GE Appliances & Lighting

Technical Service Guide

September 2014

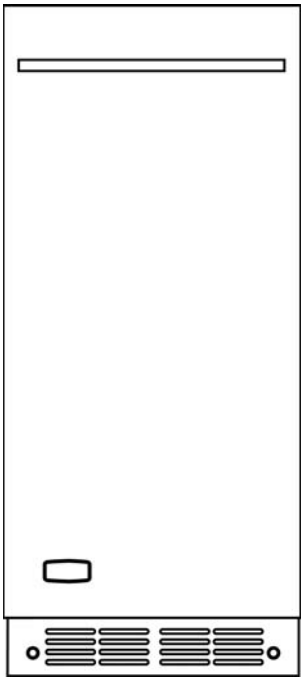
Monogram Under-the-Counter Icemaker

ZDIS150ZSSE

ZDIC150ZBBE

ZDIS15SSHALH

ZDIS15SSHARH



GE Appliances & Lighting
General Electric Company
Louisville, Kentucky 40225

Safety Information

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 its use.

Warning

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.

GE Appliances & Lighting

Technical Service Guide

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Safety Requirements

GE Factory Service Employees are required to use safety glasses with side shields, safety gloves & steel toe shoes for all repairs.

Steel Toed Work Boot

Electrically Rated Glove and Dyneema® Cut Resistant Glove Keeper

Dyneema®Cut Resistant Glove

Cut Resistant Sleeve(s)

Plano Type Safety Glasses

Prescription Safety Glasses

Safety Glasses must be ANSI Z87.1-2003 compliant

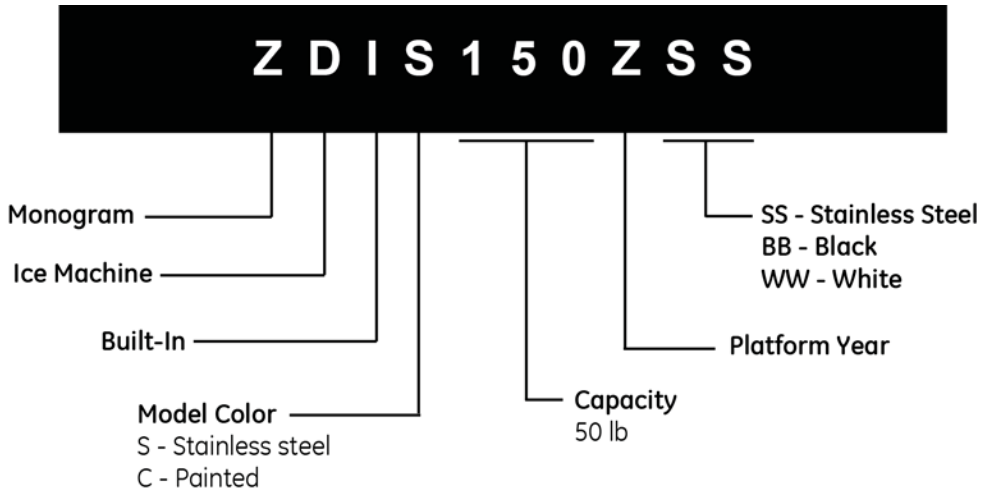
Brazing Glasses

⚠ WARNING

Prior to disassembly of the ice machine to access components, GE Factory Service technicians are REQUIRED to follow the Lockout / Tagout (LOTO) 6 Step Process:

Step 1 Plan and Prepare	**Step 4** Apply LOTO device and lock
Step 2 Shut down the appliance	**Step 5** Control (discharge) stored energy
Step 3 Isolate the appliance	**Step 6** “Try It” verify that the appliance is locked out

Nomenclature



Serial Number

The nomenclature breaks down and explains what the letters and numbers mean in the model number. The first two characters of the serial number identify the month and year of manufacture.

Example: LA123456S = June, 2013

A – JAN	2024 – Z
D – FEB	2023 – V
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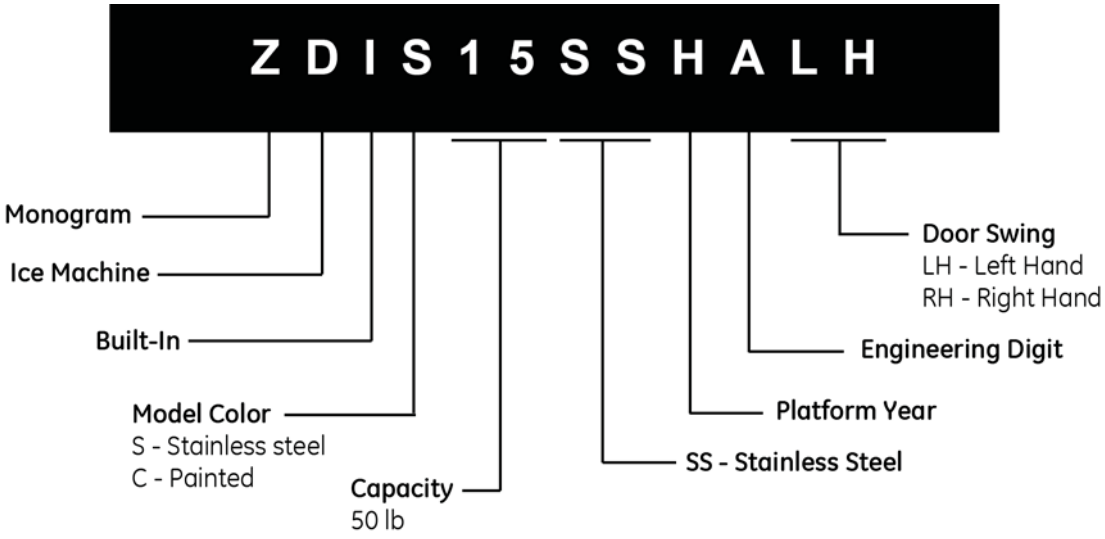
G – APR	2021 – S
H – MAY	2020 – R
L – JUN	2019 – M
M – JUL	2018 – L
R – AUG	2017 – H
S – SEP	2016 – G
T – OCT	2015 – F
V – NOV	2014 – D
Z – DEC	2013 – A

The Model Serial ID Tag is located on the right inside wall of the ice bin.

The Mini Manual is located behind the front cover.

The letter designating the year repeats every 12 years.

Vertical handle icemakers with model numbers ZDIS15SSHALH or ZDIS15SSHARH have a slightly different nomenclature.



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Product Specifications

AC Power Supply	97 to 127 VAC (rated 115 VAC), 60 Hz
Amperage	6.5 Amps (max)
Minimum Circuit Capacity	15 Amps
Ice Shape	3/4 in. x 3/4 in. Square Ice
Ice Thickness (Approx.) Medium	0.32 in. (8.1 mm) — Normal Setting
Ice Thickness (Approx.) Small	0.28 in. (7.1 mm)
Ice Thickness (Approx.) Large	0.3915 in. (9.9 mm)
Storage Capacity (Approximate)	25 lb (11.3 kg)
Exterior Dimensions (W x D x H)	15 in. x 24 in. x 34 in.
Exterior Finish	Stainless Steel or Painted Steel
Net Weight	15 in. = 94 lb (42.6 kg)
Cube Thickness Control	Water Level Sensor & Control Board
Harvest Control	Thermistor under Evaporator
Bin Ice Level Control	Thermistor in bin compartment
Refrigerant	R134a
Charge	5.75 ounces
Ambient Temperature	55°F to 100°F
Water Pressure	30 to 120 psi

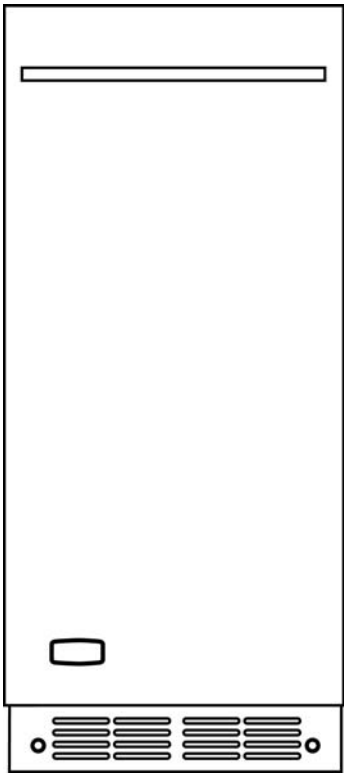
Water consumption (dependent on water pressure) is 6 to 10 gallons per 4 hours.

Daily Ice Production at Ambient Temperatures

Ambient Temperature	Water Temperature 60°F (15°C)
70°F (21°C)	46 lb (21 kg)
80°F (27°C)	47 lb (21 kg)
90°F (32°C)	40 lb (18 kg)
100°F (38°C)	40 lb (18 kg)
110°F (43°C)	38 lb (17 kg)

Features and Benefits

- Hidden electronic controls allow for a fully integrated look
- Clean algorithm with LED Indicator
- Lighted bin with ice scoop
- Reversible door
- Daily ice production up to 50 pounds
- Water level sensor
- Electronic, LED controls
- Clean light
- Automatic shutoff



Tools Needed

- 1/4 in. nut driver
- 5/16 in. nut driver
- T15 Torx bit
- T20 Torx bit
- T25 Torx bit
- Flat blade driver
- #2 Phillips head screw driver
- Needle nose pliers
- Slip joint pliers
- Volt/ohm meter
- Needle point probes
- Level (to be used if icemaker is pulled out from installation for servicing)

NOTICE
It is recommended to remove ice when working in the ice bin compartment.

Product Information

ZDIC150ZBB, ZDIS150ZSS

Available in black and stainless steel.

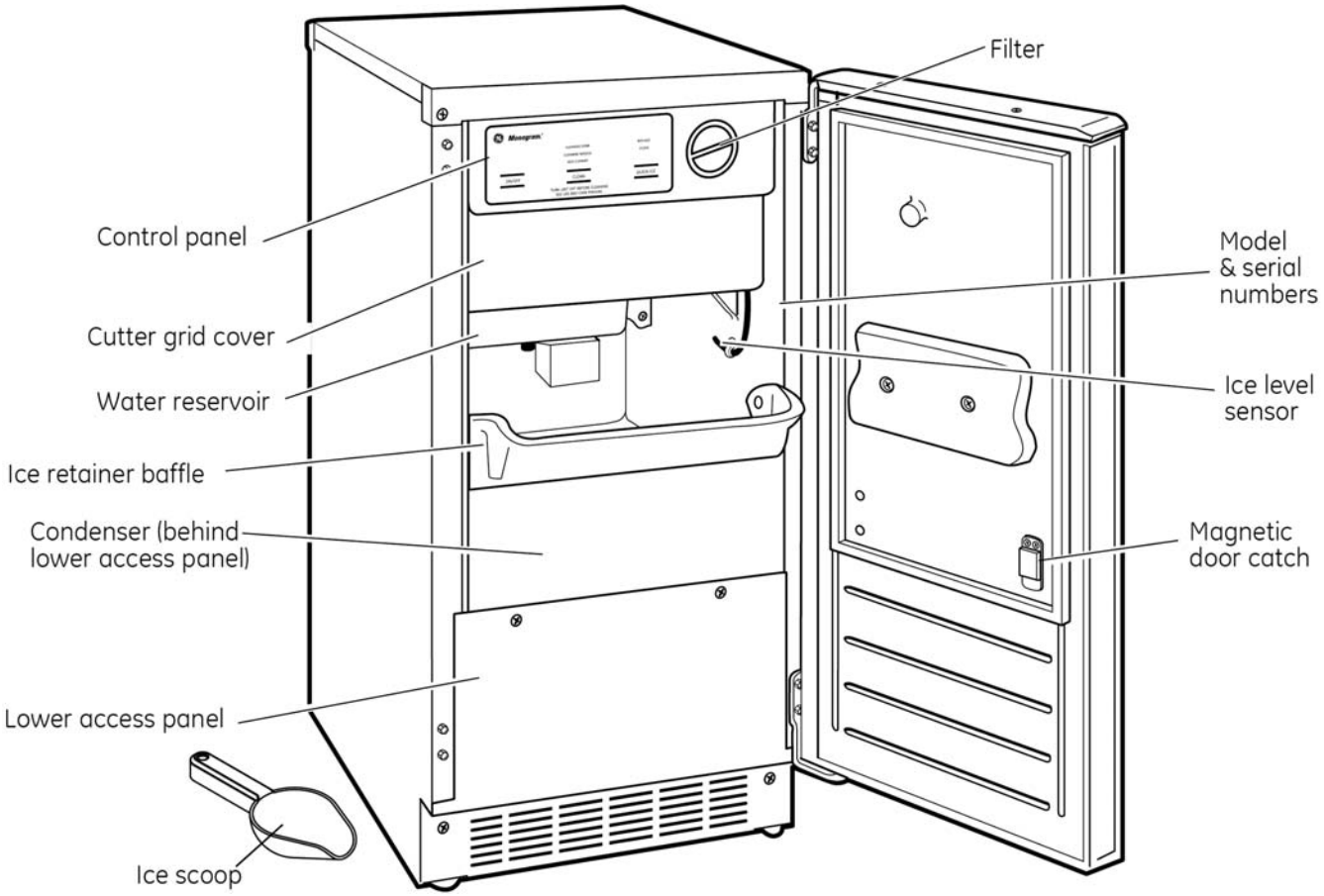
OPTIONAL ACCESSORIES

ZIP75BB: For the installation of a trimless 3/4 in. thick custom panel on black models (not for stainless steel models). This kit provides a handle that can be installed with the custom panel. A custom handle may be installed onto the 3/4 in. panel. See the Installation Instructions.

The icemaker may be installed below a counter top or used free-standing.

ZPK2 Drain Pump Kit: For use when a floor drain is not available. The drain pump must be installed inside the unit, and can pump discharge water at a maximum vertical height of **10 feet**. Ten feet of tubing is supplied with the kit.

Icemaker Locator



Installation Instructions

LOCATION REQUIREMENTS:

- **NOT** designed for outdoor installation and must be protected from outdoor elements such as wind, rain, water spray or drip. The area should be ventilated with 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 icemaker may be closed in on the top and three sides as long as the front is unobstructed for air circulation and proper operation. Installation should be such that the icemaker can be moved forward for servicing, if necessary. The bottom grille on the front must be unobstructed to provide proper air flow.

WATER SUPPLY

A cold water supply with water pressure of between 30 and 120 psi is required to operate the icemaker. If there are questions about water pressure, call a licensed and qualified plumber.

⚠ WARNING

(Please read carefully). FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED. Do not remove ground plug. Do not use an adapter. Do not use an extension cord. Failure to follow these instructions can result in death, fire or electrical shock.

Before moving the icemaker into its final location, it is important to make sure it has the proper electrical connection: A 115 volt, 60 Hz, AC only, 15 or 20 amp electrical supply, properly grounded in accordance with the National Electrical Code and local codes and ordinances, is required. Use an outlet which cannot be turned off by a switch or pull chain.

NOTICE

GFCI (Ground Fault Circuit Interrupter) is NOT recommended, equipment outlet or nuisance tripping may occur resulting in loss of cooling. Ice quality may be affected. If nuisance tripping has occurred, and if the condition of the ice appears poor, dispose of the ice.

Recommended Grounding Method

The icemaker must be grounded. The icemaker is equipped with a power supply cord having a 3 prong grounding plug. The cord must be plugged into a mating, 3 prong, grounding-type wall outlet, grounded in accordance with the National Electrical Code and local codes and ordinances. If a mating wall receptacle is not available, one must be installed by a qualified electrician.

DRAINING REQUIREMENTS

Determine a method of drainage. If a floor drain is to be installed, the drain must be accurately located. The installation of a custom door panel will affect the drain location.

A drain pump kit, ZPK2, is available and will not interfere with placement of the icemaker.

BEFORE BEGINNING:

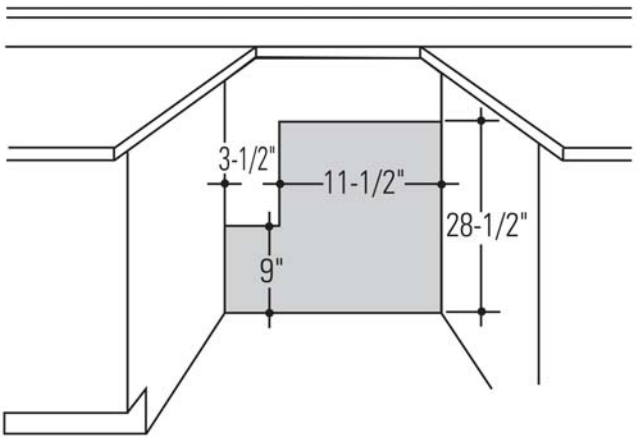
1. If a custom panel is to be installed, refer to the Installation Instructions.
   - Order ZIP75 (black) panel kit.
   - Order the custom panel from the cabinet manufacturer.
   - Secure the custom panel onto the icemaker.

2. The door swing is reversible. If desired, change the door swing before installation following the instructions from the Door Reversal section of this guide.
3. Slide the icemaker into the installation location.
    - Open and close the door to be sure there is no interference.
    - Check to be sure the icemaker can be moved back into the opening, flush with adjacent cabinetry. There should be no interference with the floor drain.
    - Check to be sure the icemaker is level. The icemaker will not operate properly if it is not level. See the **Leveling Icemaker** section of this Guide.

NOTICE

(Please read carefully). The power cord of this appliance is equipped with a 3 prong (grounding) plug that mates with a Standard 3 prong grounding wall receptacle to minimize the possibility of electric shock. The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded and has the correct polarity. Where a standard 2 prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to have it replaced with a properly grounded 3 prong wall receptacle. **Do not, under any circumstances, cut or remove the third (ground) prong from the power cord. DO NOT USE AN EXTENSION CORD.**

WATER SUPPLY SET-UP



Water Supply Should Enter From Back Wall In Shaded Area

- To allow sufficient water flow to the icemaker, a minimum 1/2 in. diameter home supply line is recommended.

Reverse Osmosis Water Supply

IMPORTANT: Performance of the icemaker may be affected when it is connected to a reverse osmosis system.

- The pressure of the water supply coming out of a reverse osmosis system going to the water inlet valve of the icemaker needs to be between 30 and 120 psi.
- **Reverse osmosis water systems can be used only with icemaker installations that have a gravity drain.** *ZPK2 uses sensing rods to determine when to pump the water out. The rods need minerals in the water to sense the water level. RO systems remove minerals and other materials from the water causing the sensors in the pump not to detect properly.*
- **Do not use copper tubing when the icemaker is connected to a reverse osmosis water system.** *RO water is highly aggressive to metallic pipe or substances that can ionize and dissolve in water. Water is often called the universal solvent; it always "wants" to have substances dissolved in it. The less substances it has, the more aggressive it becomes in attacking things that can dissolve. Copper is more soluble in RO water than in tap water.*

IMPORTANT: The performance of the icemaker may be affected when connected to a Reverse Osmosis system. A RO system may also reduce water pressure and affect the fill cycle, which is dependent on time and flow. The reduced water pressure may cause the reservoir not to fill and flush properly during the ice making cycle.

If a reverse osmosis water filtration system is connected to the cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 psi. The reverse osmosis system must provide 1 gallon of water per hour to the icemaker for proper icemaker operation.

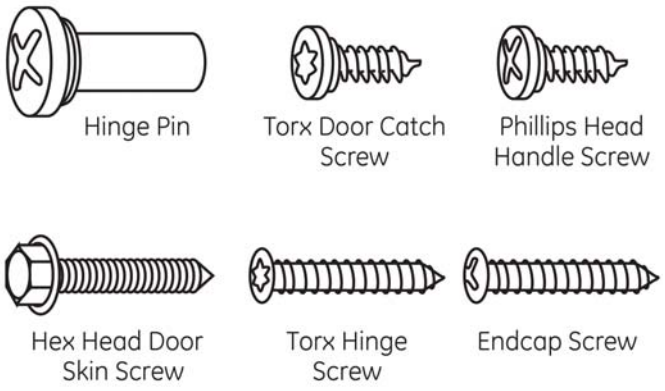
Door Reversal

REVERSE THE DOOR SWING

IMPORTANT: Disconnect power to the icemaker.

Tools Required:

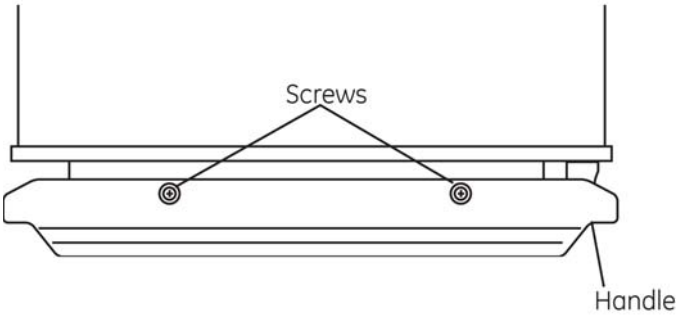
- 1/4 in. wrench (SS models)
- T25 Torx driver
- T20 Torx
- #2 Phillips screwdriver



REMOVE DOOR

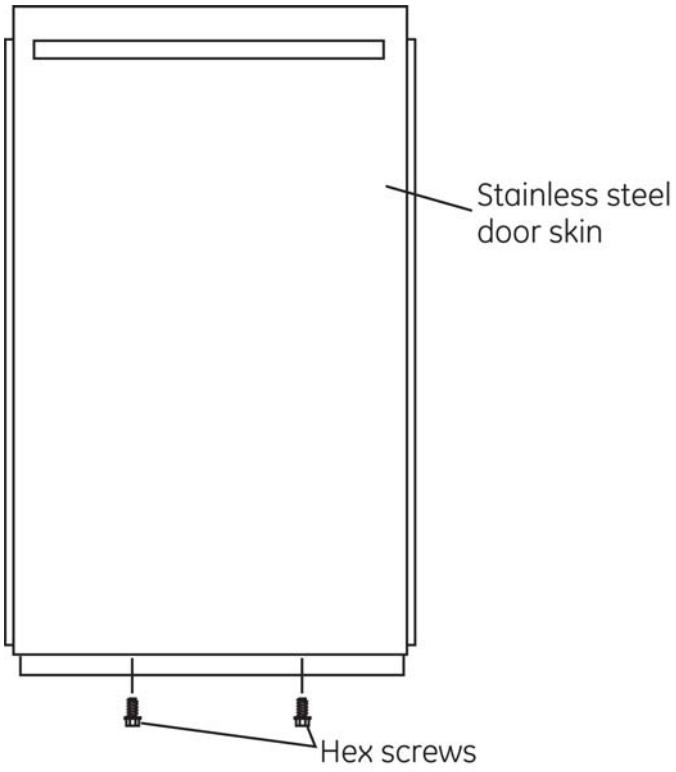
For Black Model:

Remove the handle screws and lift off the handle.



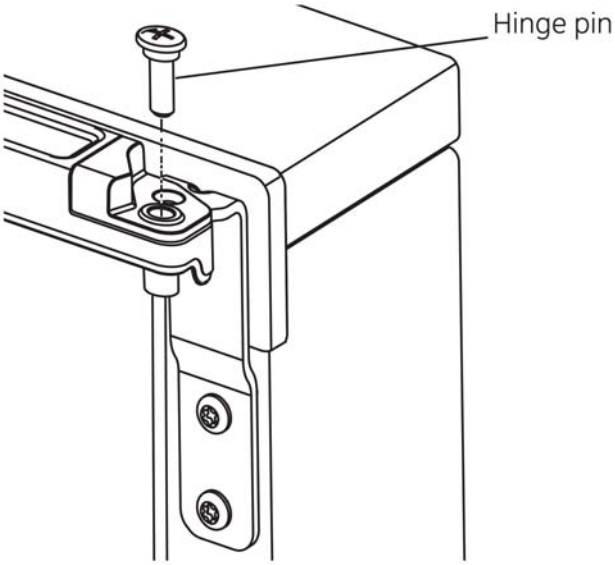
For Stainless Steel Model:

1. Remove the two 1/4 in. hex screws each from the bottom of the stainless steel door clad.
2. Pull out on the bottom portion of the door clad and lift up to remove.



DOOR STOP AND END CAP REVERSAL

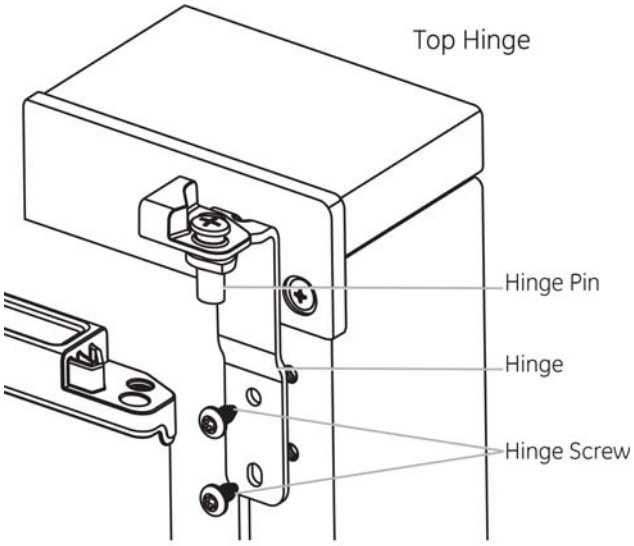
1. Remove the hinge pin from the top hinge, using a #2 Phillips screwdriver.
2. Remove the door from the hinges and replace the top hinge pin.



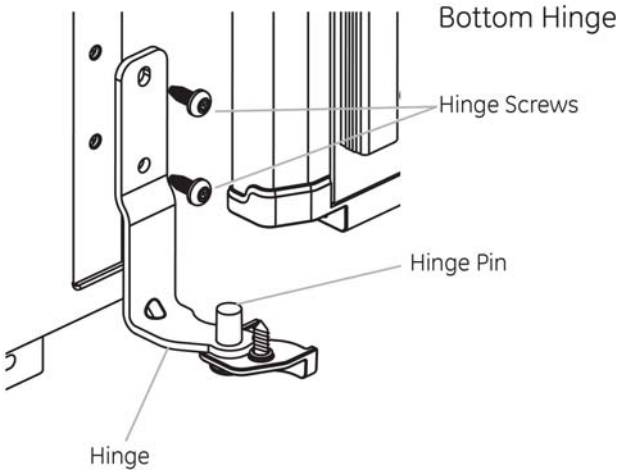
3. Remove the #2 Phillips screw and door stop at the upper left corner of door. Remove the screw and end cap at the lower right corner. Place the door stop at the lower right corner and tighten the #2 Phillips screw. Place the end cap at the upper left corner and tighten screw.
4. Remove the #2 Phillips screw and door stop at the lower left corner. Remove the screw and end cap from the upper right corner. Place the door stop at the upper right corner and tighten the #2 Phillips screw. Place the end cap at the lower left corner and tighten the screw.

REVERSE HINGES

1. Unscrew the hinge T25 Torx screws and remove the top hinge. Replace the screws in the empty hinge holes.
2. Remove the T25 Torx screws from the opposite side of the icemaker cabinet. Turn the top hinge upside down so that the hinge pin points up. Place the hinge on the bottom opposite side of the icemaker and tighten the T25 Torx screws.



3. Remove the original bottom hinge T25 Torx screws and hinge. Replace the T25 Torx screws in the empty hinge holes.



4. Remove the T25 Torx screws from the top of the opposite side of the icemaker cabinet. Turn the hinge upside down so that the hinge pin points down. Place the hinge on top of the opposite side of icemaker cabinet and tighten the T25 Torx screws.
5. Remove the top hinge pin.

REPLACE DOOR

For Black Model:

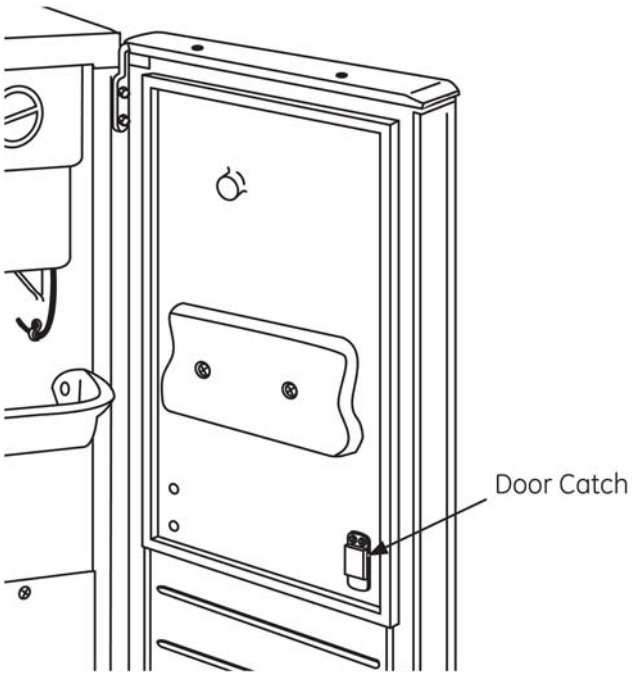
Align handle with the holes in the door and replace screws. Tighten.

For Stainless Steel Model:

1. Replace the door clad on the door. Start by placing the top of the clad over the top of the door. Slide the sides in behind the side protectors. Line up the bottom of the clad with the two holes on the bottom of the door.
2. Replace the two 1/4 in. hex screws in the bottom of the stainless steel door clad.

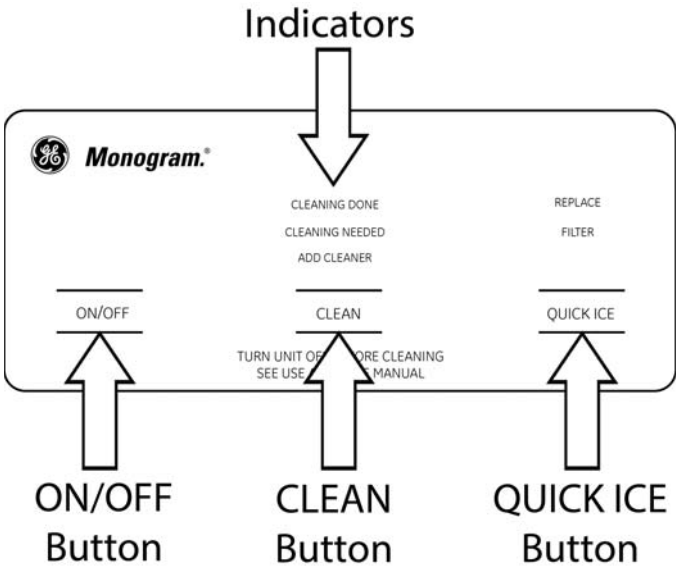
REVERSE DOOR CATCH

1. Remove the T20 Torx screws from the opposite side of the door.
2. Remove the T20 Torx screws from the magnetic door catch and reinstall on the opposite side of the door.
3. Install the T20 Torx screw into place on the opposite side of the door.



User Controls

User Interface Overview



Setting Control

ON/OFF

Press **ON/OFF** to start ice production or stop icemaker operation. When the icemaker is in the ON mode, ice production is in progress and the **ON/OFF** LED light will be on. When the icemaker is in the OFF mode and the icemaker operations are turned off, the **ON/OFF** LED will remain off. If the **ON/OFF** is flashing, refer to **The Problem Solver** section of this Guide.

NOTICE

Allow 24 hours to produce the first batch of ice after installing the icemaker. Discard the first two batches of ice produced after installation. To stop icemaker operation, press **ON/OFF**.

Power to the icemaker is not shut off when the icemaker is in OFF mode.

When ice production is turned on, the icemaker will automatically enter Quick Ice Mode for the first 24 hours.

NOTICE

QUICK ICE MODE

Press **QUICK ICE** to start or stop more rapid ice production. Select the **QUICK ICE** feature when there is an upcoming need for a large amount of ice and the bin is low or empty. Quick Ice Mode will produce a greater quantity of ice in a 24 hour period.

NOTICE

Quick ice reverts to a **Normal** size ice thickness for faster production, even if setting is on **Thick** ice.

The **QUICK ICE** indicator light is illuminated when the icemaker is in Quick Ice Mode.

Pressing **QUICK ICE** to turn Quick Ice Mode off will not stop ice production.

CLEAN

It is recommended to clean the icemaker if the **CLEANING NEEDED** light is illuminated; 6 months has elapsed since the last cleaning; or if ice production decreases significantly. See the **Care and Cleaning** section of this Guide.

Control Messages

- **REPLACE FILTER** will illuminate when the control system recommends installing a new filter or when the control system senses that a filter is not inserted in the icemaker. See the **Care and Cleaning** section of this Guide.
- **CLEANING NEEDED** will illuminate when the control system recommends a CLEAN cycle. See the **Care and Cleaning** section of this Guide
- **ADD CLEANER** will illuminate when a CLEAN cycle has been initiated but no cleaning solution is in the reservoir. See the **Care and Cleaning** section of this Guide

NOTICE
Since the water is removed from the reservoir pan, the water level sensor senses the added cleaner. If no icemaker cleaner is added, the sensor notifies the consumer to add cleaner.

- **CLEANING DONE** will illuminate when the CLEAN cycle is complete.

  The Door Alarm feature will sound an alarm when the icemaker door has been open for 5 minutes. The alarm will repeat every 2 minutes. Close the door to turn off the alarm and reset the feature.

Care and Cleaning

Icemaker System Care

CLEANING NEEDED will illuminate when the electronic control senses that the need for cleaning is approaching. At this time purchase Nickel Safe Icemaker Cleaner by Nu Calgon, available at most appliance repair shops or through GE Parts and Accessories. Order part number **WX08X42870**. In the U.S.A., call 1.800.626.2002. or visit GEApplianceParts.com. In Canada call 1.800.561.3344. The icemaker must be cleaned, otherwise ice production may decrease significantly or stop.

REPLACE FILTER will illuminate when the electronic control senses that the filter needs to be replaced. At this time purchase a replacement filter, part number IMWF, through GE parts at www.gewaterfilters.com or in the US call 1.800.626.2002. Product designed and tested for use with genuine GE water filters. Non-GE filters are not covered under product warranty.

Exterior Surfaces

Keep the outside clean. Wipe with a clean cloth, lightly dampened with mild liquid dish detergent. Dry with a clean, soft cloth. Do not wipe the icemaker with a soiled dish cloth or wet towel. These may leave a residue that can damage the finish. Do not use scouring pads, powdered cleaners, bleach or cleaners containing bleach because these products can scratch and damage the finish.

Stainless steel Regularly clean and polish the stainless steel door panels and handles (on some models) with a commercially available stainless steel cleaner such as Stainless Steel Magic™ to preserve and protect the fine finish. Order part number **WX10X15**. In the U.S.A. call 1.800.626.2002 or visit GEApplianceParts.com. In Canada call 1.800.561.3344.

Refer to cleaning instructions in the Use and Care Owners Manual.

Interior Components

⚠ WARNING

Disconnect electrical power to the icemaker before cleaning. Failure to do so can result in death, fire, or electrical shock.

1. Open the storage bin door and remove any ice that is in the bin.
2. Pull out on the bottom of the cutter grid cover until the snaps release to remove.
3. Remove the ice scoop and the ice scoop holder. Remove the two screws using a 1/4 in. ratchet.

NOTICE

Do not remove hoses. Do not wash plastic parts in dishwasher. They cannot withstand temperatures above 145°F (63°C).

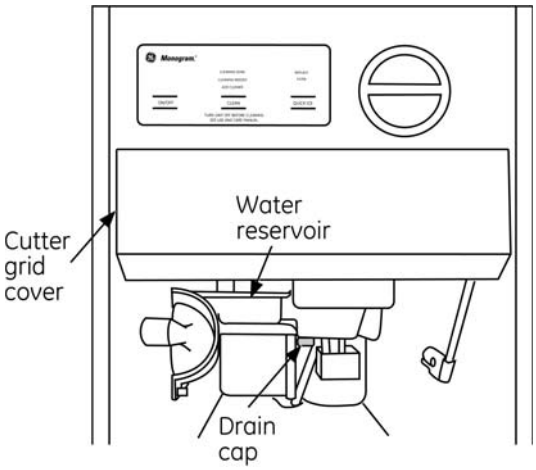
4. With mild soap and warm water, wash the storage bin, ice scoop and holder, cutter grid cover, door gasket, and secured interior components (cutter grid, exterior of hoses, and water reservoir). Rinse with clean water.
5. Clean the same parts again with a solution of 1 tbsp. (15 ml) of household bleach in 1 gal. (3.8 L) warm water. Rinse thoroughly with clean water.
6. Gently wipe the control panel with a soft, clean dishcloth using warm water and a mild liquid dish detergent.
7. Replace the ice scoop holder.
8. Replace the cutter grid cover by aligning the top tabs and pushing to snap into place.
9. Restore power to the icemaker.

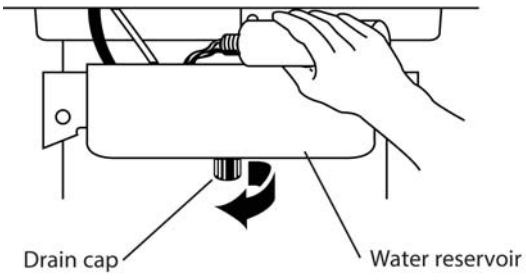
The air cooled condenser needs to be cleaned regularly for efficient ice production and energy conservation. See **Condenser**, later in this section.

Cleaning Cycle

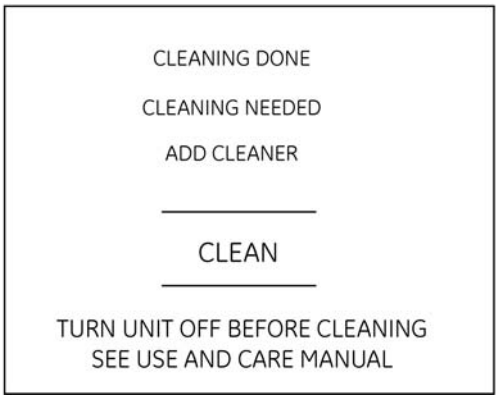
For best performance, perform a cleaning cycle every six months. Nickel Safe Icemaker Cleaner by Nu Calgon is available at appliance repair shops, or through GE Parts and Accessories. Order part number WX08X42870. In the U.S.A., call 1.800.626.2002 or visit GEAppliancesParts.com. In Canada, call 1.800.561.3344. To clean icemaker system, follow these instructions.

1. Turn the icemaker off. Remove all ice from the storage bin.
2. To improve accessibility, remove the cutter grid cover by pulling the bottom of the cover down and then forward.
3. Unscrew the drain cap from the bottom of the water reservoir. Drain all water in reservoir.





4. Replace the drain cap securely. If the cap is not securely tightened, water can leak, causing thin ice or no ice.
5. Pour the entire 16 ounce bottle of Nickel Safe Icemaker Cleaner into the water reservoir. Follow all safety precautions on the bottle. Fill the bottle twice with tap water and pour it into the water reservoir.
6. Replace the cutter grid cover. Insert the top tabs first, and then push toward the cutter grid to snap into place.
7. Touch the **CLEAN** button. The **CLEAN** LED will illuminate and the cleaning cycle will begin. If the *Invalid Tone* plays, press the **ON/OFF** button to turn the icemaker off and try again. If **ADD CLEANER** illuminates, see previous steps.



8. When the cycle is complete the **CLEAN** LED will turn off, the *Cycle Complete* tone will sound, and the **CLEANING DONE** text will illuminate.
9. After the cleaning cycle is complete, remove the drain cap from the water reservoir to see if any of the green cleaning solution is left in the water reservoir. If cleaning solution drains from the water reservoir, run the clean cycle again adding only tap water to the reservoir. Be sure to replace the drain cap before running the cycle again.

NOTICE

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

10. Press the **ON/OFF** button to resume ice production. Discard the first batch of ice.

To stop the cleaning cycle prematurely, press **ON/OFF**. The **CLEAN** LED will turn off and the *Power Off* tone can be heard. If power is lost before the cycle is complete, cleaning will continue when the icemaker powers on.

Condenser

⚠ WARNING

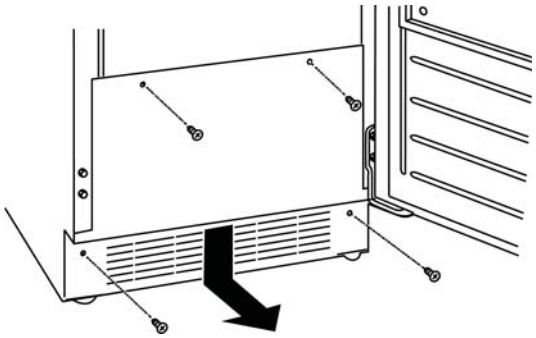
Disconnect electrical power to the icemaker before cleaning. Failure to do so can result in death, fire, or electrical shock.

For best performance, brush or vacuum lint and dirt from the condenser at least once a year.

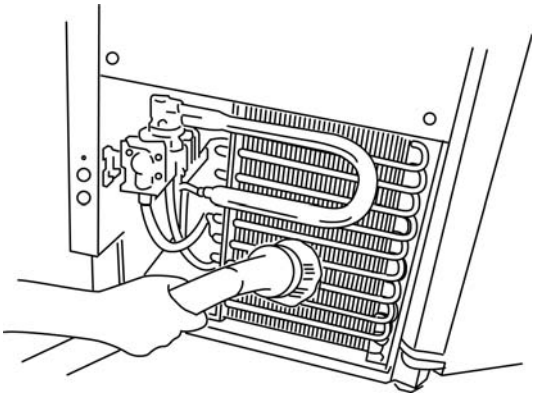
A dirty or clogged condenser:

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

1. Remove power.
2. Remove the two T20 Torx screws in the lower access panel, and the two T20 Torx screws from the base grille area of the front panel support.



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.



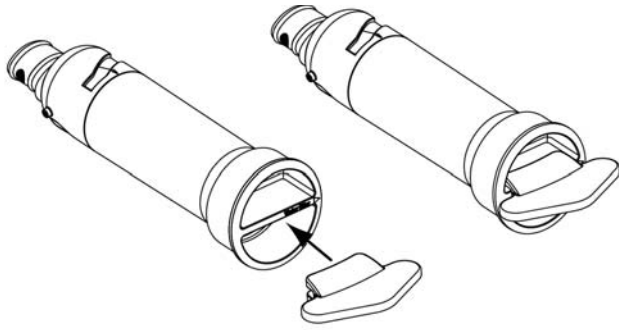
5. Replace the lower access panel using the four T20 Torx screws.
6. Restore power to the icemaker.

Filter Removal

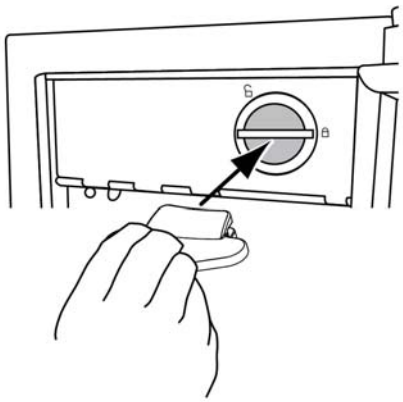
Depending on the water supply and usage of the icemaker, your filter may reach end of life earlier and need to be removed prior to the recommended 6 months. When the filter reaches the end of it's life, it can cause thin ice, slow or no ice production. If you experience any of these problems, please remove the filter and verify that the removal of the filter resolves the ice production problem.

If you experience difficulties removing the water filter, please utilize the filter wrench included in the product literature package as indicated below:

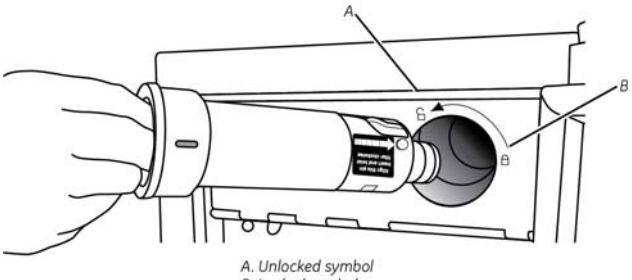
1. The filter wrench should attach to the water filter as shown below.



Make sure that the filter wrench is securely attached before rotating the filter to remove.



2. Rotate the water filter counterclockwise until the filter pulls out of the filter housing.



A. Unlocked symbol
B. Locked symbol

If you need to obtain a replacement wrench (Part No. WR01X21095), please call 1-800-626-2002 or GEApplianceParts.com. In Canada, call 1-800-561-3344.

NOTICE
If the filter is not correctly locked into place, the icemaker will not produce ice.

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. If the ambient temperature of the room will drop below 32° F (0°C), water must be removed from the drain line.

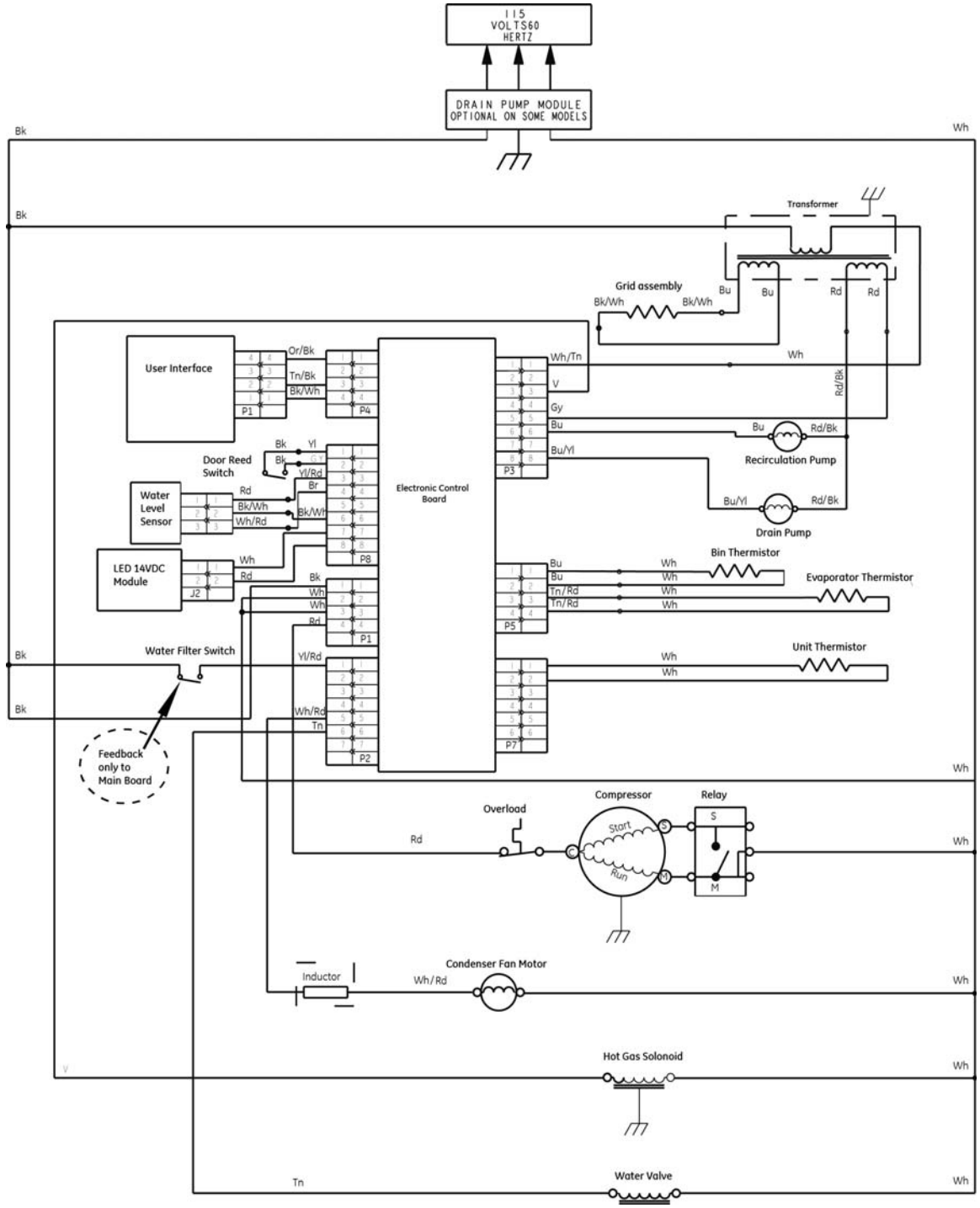
For icemakers with a drain pump installed:

1. Plug in the icemaker or reconnect power.
2. Turn ice production off and remove all remaining ice from the ice bin.
3. Pour 1 gallon (3.78541 L) of water into the ice bin near the drain and let the icemaker stand for approximately 5 minutes. This will allow the water in the bin to drain into the drain pump so that the pump will remove the remaining water from the ice bin and drain the pump.
4. Unplug the icemaker or disconnect power.

Before using again, clean the icemaker and storage bin. Plug in the icemaker or reconnect power and turn on the water supply to resume ice making operation.

Electrical System

The icemaker electrical system provides power for the refrigeration and water systems and controls the operation of each component.

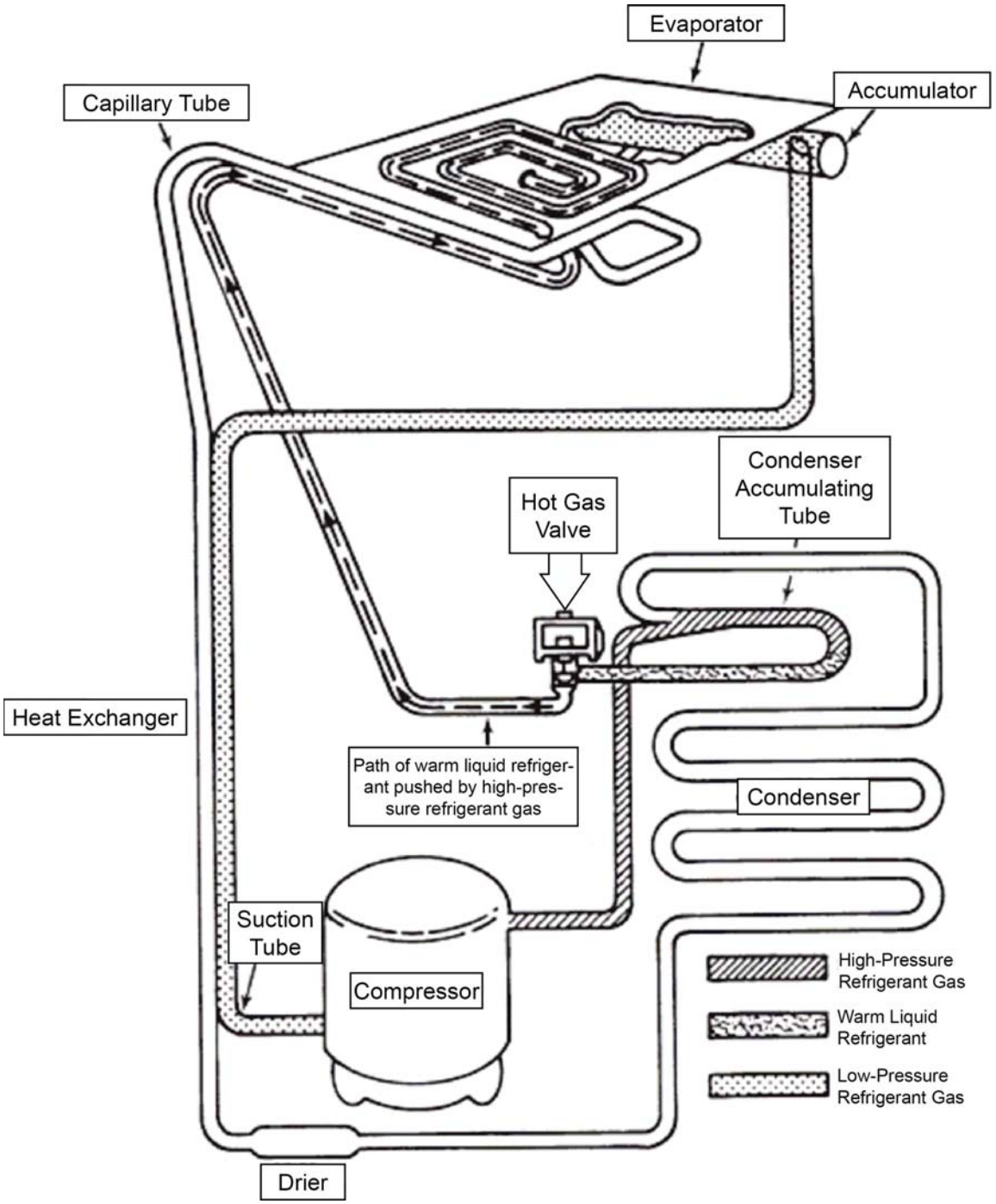


Refrigeration System

The refrigeration system is very similar to the system used in other refrigeration appliances. The refrigerant used in this unit is R134a.

There are 2 very important additions to the refrigeration system in this icemaker: the **hot gas valve** and the **condenser accumulator tube**.

1. The **hot gas valve** allows high pressure refrigerant gas to bypass the condenser and flow through the condenser accumulator tube.
2. Hot gas pushes liquid refrigerant through the **condenser accumulator tube** into the evaporator, helping to evenly heat the evaporator plate so that the ice slab releases quickly and evenly.



Water System

The water system provides:

- Filtered water for ice production
- Water recirculation as ice is produced
- Water removal after ice is produced

The water system circulates water on the evaporator to freeze into ice during the freeze cycle. During the harvest cycle, it drains away minerals and contaminates. During the clean cycle, cleaning solution is circulated to clean the system of minerals and contaminates.

The hardness of the water supplied to the icemaker will affect the quality of the ice that is produced. It may also affect the operation of the water system.

A water softener, or poly-phosphate feeder, will not cure all of the problems associated with hard water, but they can be used to reduce scale buildup in the icemaker.

General Description of Basic Operation

The main control is designed to be used for all ZDIC/ZDIS150Z Model Icemaker. The function of this electronic control is to drive the ice making process. Product user interface utilizes serial communication to communicate to the main control board.

During the ice making process, water is constantly recirculated over a freezing plate. As the water freezes into ice, minerals in the water are rejected, thus producing a sheet of ice with a low mineral count. When the desired thickness is reached, harvest mode is activated and the ice is released and slides onto a cutter grid, which divides the sheet into individual cubes. The water containing the rejected minerals is drained from the water reservoir after each freeze cycle. Next, fresh water enters the icemaker for the next ice making cycle. The cubes fall into the bin from the electrified cutter grid. When the bin is full, the icemaker shuts off automatically and restarts when more ice is needed.

The door switch is monitored at all times unless it is in test mode. The door switch will alert the consumer with an audible tone if the door was left open or if the door switch has failed in the open position. The door switch also signals the board to turn the LED on.

The user interface will allow the user to select different modes. The ZDIC/ZDIS150Z models will have three operation modes used by the consumer. The **Normal** run mode is when all ice production and harvesting will take place. The **Quick Ice** mode where the control defaults to .032 thickness. The other is the **Clean** mode where the evaporator plate is heated and rinsed to remove any mineral build up.

The main board controls all aspects of the icemaker. The main control board will monitor the door (reed) switch, bin thermistor, evaporator thermistor, unit thermistor (condenser fan operation), and user interface. Based on the inputs, the main board will control the bin light, cutter grid, compressor, condenser fan, recirculation pump, drain pump, water valve, and the hot gas solenoid.

The system utilizes a separate transformer that provides low voltage power to the cutter grid, and main control board.

The Problem Solver

Normal sounds

New icemakers may make sounds that are unfamiliar. Most of the sounds are normal. Hard surfaces such as floors, walls and cabinets can make the sounds seem louder than they actually are. The following describes the kinds of sounds that might be heard and what may be making them.

- A buzzing sound may be heard when the water valve opens to fill the water pan for each cycle.
- Rattling noises may come from the flow of the refrigerant or the water line. Items stored on top of the icemaker can also make noises.
- The high-efficiency compressor may make a pulsating or high pitched sound.
- Water running over the evaporator plate may make a splashing sound.
- Water running from the evaporator plate to the water pan may make a splashing sound.
- As each cycle ends, there may be a gurgling sound due to the refrigerant flowing in the icemaker.
- Sounds may be produced by air being forced over the condenser by the condenser fan.
- During the harvest cycle, there may be a “thud” when the ice sheet slides from the evaporator onto the cutter grid.
- When the icemaker is first started, there may be water running continuously. The icemaker is programmed to run a rinse cycle before it begins to make ice. If the icemaker is connected to a water supply pressure in excess of 60 psi, there may be a loud sound during water filling associated with the flow of water through the inlet valve. Call a licensed, qualified plumber to determine the best method to reduce the supply water pressure (50 psi is recommended).

Questions? Use this problem solver!

Problem	Possible cause
ON/OFF LED is flashing	This signifies an ice level sensor error. Unplug icemaker and remove the cutter grid cover (see the **Care and Cleaning – Interior Components** section of this Guide). Make sure that the white wiring connector going up to the control housing on the right side is connected securely.
Icemaker will not turn on	Check that it is plugged into a grounded 3 prong outlet. Be sure that the control is turned on. See the **User Control** section in this Guide. Replace the fuse or reset the circuit breaker. **If problems continue, contact an electrician.** Room temperature must be above 55°F (13° C). Otherwise, the bin thermostat may sense cold room temperature and shut off even though the bin is not full of ice. If there was a large amount of water added to the icemaker, wait a few minutes for the drain pump to clear. If there is still water in the bin, check to see whether the drain hose is kinked. For models with drain pumps, check that the drain hose is not damaged, or kinked or pinched between cabinet and icemaker. Use only GE approved drain pump kit, Part ZPK2.

Icemaker seems noisy	**Is the water in the water pan over flowing?** This is normal. This overflow helps to purge minerals that were removed from the water during ice making process. **Is there a *whooshing* sound?** Check the following things: • Make sure that the water supply is hooked up and turned on. • Make sure that the drain cap is tight and the water drain pan pump is securely attached to the water pan. **Is there ice between the evaporator plate and the cutting grid?** Check that the icemaker is level. See the **Leveling Icemaker** section of this Guide. If the icemaker is level, and the problem persists, run a cleaning cycle. See the **Care and Cleaning** section of this Guide. If the icemaker is connected to a water supply pressure in excess of 60 psi, there may be a loud sound during the water filling associated with the flow of water through the inlet valve. Call a licensed, qualified plumber to determine the best method to reduce the supply water pressure (50 psi is recommended).
Icemaker runs but produces no ice	Make sure that the control is turned on. Make sure the water supply is properly connected and turned on. If the drain cap is loose, water will empty from the water pan, and will result in either thin ice or no ice. Tighten the drain cap. Clean the drain tube. Be sure that there are no kinks in the drain line.
Icemaker runs but produces very little ice	**Is the QUICK ICE feature turned on?** This feature increases the ice production rate to provide more ice in the same amount of time. See the Control Settings. Room temperatures of more than 90ºF (32ºC) will normally reduce ice production. Dirt or lint may be blocking the airflow through the condenser. See **Condenser** in the **Care and Cleaning** section of this Guide. If there is a white scale buildup in the interior of the icemaker, clean the icemaker. See **Interior Components** in the **Care and Cleaning** section of this Guide. If the drain cap is loose, water will empty from the water pan, which will result in either thin ice or no ice. Tighten the drain cap.
Off taste, odor or color in the ice	**Is there unusually high mineral content in the water supply?** The water may need to be treated or the filter may need to be replaced. **Is there mineral scale build up?** Clean the icemaker. See **Icemaker System Care** in the **Care and Cleaning** section of this Guide. Do not store any foods in the ice bin until this issue is resolved Clean the ice storage bin. Make sure that all packaging materials were removed at the time of installation.

Thin, soft or clumps of ice	**Is there unusually high mineral content in the water supply?** The water may need to be treated or the filter may need to be replaced. **Is there mineral scale build up?** Clean the icemaker. See **Icemaker System Care** in the **Care and Cleaning** section of this Guide. **Are there clumps of ice in the ice bin?** If ice is not used regularly, it will melt and form clumps. Break the clumps with the ice scoop provided.
Water not entering drain properly	**Is the drain hose aligned over the drain?** Move the icemaker to align with the drain.

User Interface Behaviors

Control Behavior	System Feedback
Press ON/OFF button when icemaker is off	**ON/OFF** icon LED is on. **QUICK ICE** icon LED is on. Plays *Power On* tone. System starts making ice in **QUICK ICE** mode. **QUICK ICE** will automatically turn off after 24 hours.
Press ON/OFF button when icemaker is on	**ON/OFF** icon LED is off. **QUICK ICE** icon LED is off if (it was on). Plays *Power Off* tone. System stops making ice.
Pressing ON/OFF button while icemaker is cleaning	Blinks **CLEAN** icon LED 3 times, then turns off. Plays *Power Off* tone. Stops cleaning cycle. Icemaker stays off. **NOTE**: If clean cycle is canceled (icemaker turned off), the icemaker will start in a normal run mode when the unit is turned back on.
Bin thermistor failure	If a bin thermistor failure is detected, blinks **ON/OFF** icon LED. **NOTE**: Critical error, the icemaker will not operate.
Harvest failure	If a harvest mode failure is detected, blinks **ON/OFF** icon and **QUICK ICE** icon LED only if **ON/OFF** key is active. The icemaker will default to a 3 minute timed harvest cycle if the harvest thermistor is open or shorted. The harvest (evaporator) thermistor terminates harvest when 52°F is reached.
Power on after power loss	Icemaker will resume to the state of operation prior to power loss, or continue cleaning if it was in a cleaning cycle, or **QUICK ICE**.
Press QUICK ICE button when icemaker is off	**QUICK ICE** icon LED is on. **ON/OFF** icon LED is also on. System starts making ice in **QUICK ICE** mode. **QUICK ICE** will not be turned off until user presses **QUICK ICE** button again.

Control Behavior	System Feedback
Press QUICK ICE button when icemaker is on and QUICK ICE LED is on	Turns off **QUICK ICE** icon LED. Turns off **QUICK ICE** mode. Icemaker stays on. Turning off **QUICK ICE** mode won't automatically turn off icemaker.
Press QUICK ICE button when icemaker is on and QUICK ICE LED is off	**QUICK ICE** icon LED is on **QUICK ICE** mode is on. Refer to the **Setting Control** section of this Guide for a QUICK ICE explanation.
Filter status changes to Replace, no matter if icemaker is on or off (Water filter is timed with the "clean" cycle) **First time icemaker door is opened, after icemaker reaches a replace filter threshold** **Icemaker door is open (after first time) either icemaker is on or cleaning is on**	REPLACE FILTER animation: • Blinks **REPLACE FILTER** and **REPLACE FILTER** icon 7 times, then stays steady. Plays *Alert* tone three times, synchronized with the beginning of the blink. • Displays **REPLACE FILTER**.
Filter is removed or not properly installed, while door is open and either icemaker is on or cleaning is on	Displays **REPLACE FILTER**. Icemaker will operate without a water filter due to having an internal bypass. However, the **REPLACE FILTER** LED will continue to flash.
Filter is just installed, while door is open	Replace filter, or ('Ice' or 'Water') turn off. Filter is a N.O. switch. **Filter light will flash continuously while door is open if no filter is detected.**
Water level sensor error occurs	Turns on **Water** icon and **REPLACE FILTER** will remain on. No *Alert* tone.
Short Freeze cycle has occurred	Turns on **Ice** icon and **REPLACE FILTER** will remain on. No *Alert* tone. **Short Freeze cycle**: A freeze cycle that takes less than 9 minutes.

Control Behavior	System Feedback
Icemaker reaches cleaning needed threshold, no matter if icemaker is on or off, (Icemaker plugged into power source) **First time icemaker door is opened, after icemaker reaches cleaning needed threshold (time to clean)**	**CLEANING NEEDED** Indicator: • Blinks **CLEANING NEEDED** 7 times, then stays steady. • Plays *Alert* tone three times, synchronized with the beginning of the blink.
Pressing CLEAN button while icemaker is on	Play tone three times
Pressing CLEAN button while icemaker is off **NOTE: Icemaker cleaner is detected by the water level sensor.** **NOTE: If no cleaner is detected, the icemaker will not go into a clean cycle and will stay in a "add cleaner" state.**	If cleaner is detected: • Blinks **ADD CLEANER** 7 times, then turns off. • Plays *Alert* tone three times, synchronized with the beginning of the blink. • **CLEAN** icon LED is on. • System starts clean cycle. If no cleaner is detected: • Blinks **ADD CLEANER** 7 times, then stays steady until cleaner is detected. • Plays *Alert* tone three times, synchronized with the beginning of the blink. **WATER LEVEL SENSOR**: The water level sensor detects the cleaning solution as it does with sensing water.
Pressing and holding CLEAN button while icemaker is off	Pressing and holding **CLEAN** button for at least 3 seconds. • Plays *Key Press* tone once. • *System starts clean cycle (skip the cleaner check). Pressing and holding **CLEAN** button for less than 3 seconds. • *Same as use case described in the row above
Clean cycle is completed	Plays tone 3 times. **CLEAN** icon LED is off. **CLEANING DONE** LED will be on while door is open, until user presses one of the three buttons, **ON/OFF**, **CLEAN**, or **QUICK ICE**.
Pressing ON/OFF button while icemaker is cleaning	• Blinks **CLEAN** icon LED 3 times. • Plays *Power Off* tone. • Stops cleaning cycle. • Icemaker stays off.

Control Behavior	System Feedback
Pressing QUICK ICE button while icemaker is cleaning	No change to cleaning cycle.
If the icemaker door is left open for 5 minutes (“Door Ajar Condition”) while icemaker is on or in cleaning cycle	Repeats *Alert* tone until the door is closed.
In case of a door switch failure (switch in open position) while door is closed, pressing a button	Plays *Invalid* tone once. No function will be executed for the pressed button.
Machine compartment thermistor failure (open or shorted)	Water LED icon will come on solid when door is open, when door is closed water LED will turn off and 3 audible tones will play. **NOTE**: Condenser fan motor will continuously run during the ice making cycle. *See the **Machine Compartment Components** section in this Guide for thermistor operation information.*

Setting Ice Size

Ice Thickness Selection

1. Turn icemaker on.
2. Within 20 seconds of turning the icemaker on, simultaneously press and hold the **ON/OFF** and **QUICK ICE** buttons.
3. Release both buttons when the **CLEAN** LED begins to flash.
4. Press and release the **CLEAN** button to cycle between settings. The **CLEAN** LED will blink the current ice thickness setting:
   - 2 Blinks - Thin
   - 4 Blinks - Normal
   - 6 Blinks - Thick

Setting ice thickness can also be performed while in Manual Service Diagnostics. See the Manual Service Steps Diagnostic Chart section in this Guide for additional information.

Adjusting Ice in Manual Diagnostic Mode

When adjusting the ice size while in the **Manual Service Diagnostic Mode** at step 10, press the **CLEAN** button to change the ice size. See the **Manual Service Diagnostic Mode** section in this Guide.

Manual Service Diagnostic Mode

NOTICE

Drain the reservoir by unscrewing the sump cap before entering the Service Test Mode. The cap is located on the bottom of the sump. Screw the cap back to the sump once the water has drained.

*Not draining the reservoir prior to entering diagnostic mode will not allow the Service Mode to properly check the water level sensor and water fill check.

1. Turn the icemaker on.
2. Within 20 seconds of the icemaker turning on, simultaneously press and hold the **ON/OFF** and the **CLEAN** buttons. Release the buttons when the LEDs begin to flash.
3. Within in 5 seconds of all LEDs flashing, press and release the **QUICK ICE** button.

This begins the manual diagnostics. The **QUICK ICE** button is used to advance through each of the 12 steps in the following table.

If the **QUICK ICE** button is not pressed after entering into the Service Test Mode, the unit goes into an automatic diagnostic mode and will advance through the first 9 steps in the following table.

The product will turn off after stepping through last step. To exit Service Diagnostic Mode, *without* stepping through the components steps, press the **ON/OFF** button. The service mode shall exit to a normal mode after a maximum time of 20 minutes.

Step	Max Time	Component	On/Off LED	Clean LED	Quick Ice LED	Cleaning Complete
1	5 SEC Start of step 2	Entry into test mode (all LEDs turn on)	On	On	On	On
2	20 MIN. TIME OUT (unit cycles off)	Bin Thermistor	On solid = OK 2 Blinks = Open 4 Blinks = Short	Off	Off	Off
3	20 MIN. TIME OUT (unit cycles off)	Evaporator Thermistor	Off	On solid = OK 2 Blinks = Open 4 Blinks = Short	Off	Off
4	20 MIN. TIME OUT (unit cycles off)	Unit Thermistor	Off	Off	On solid = OK 2 Blinks = Open 4 Blinks = Short	Off
5	1 MIN. (Water valve time out)	Water valve turns on until water is detected by touch (water) sensor or max time is reached	Off	On	On solid = Reservoir full Blinking = Reservoir empty	Off

Step	Max Time	Component	On/Off LED	Clean LED	Quick Ice LED	Cleaning Complete
6	20 MIN. TIME OUT (unit cycles off)	Recirculation Pump	On	On	On	Off
7	20 MIN. TIME OUT (unit cycles off)	Reservoir Drain Pump	On	Off	Off	Off
8	20 MIN. TIME OUT (unit cycles off)	Compressor & Condensor Fan Motor	On solid when cooling	On solid when cooling	Off while cooling, evap them > 4.6F Blinking when evap thermistor < = 4.6F	Off
9	20 MIN. TIME OUT (unit cycles off)	Compressor & Hot Gas valve	On solid when heating	On solid when heating	On solid while heating, evap therm < 52F Blinking when evap therm > = 52F	Off
10	20 MIN. TIME OUT (unit cycles off)	Ice Thickness	Off	Off	2 Blinks = Thin 4 Blinks = Normal 6 Blinks = Thick Press CLEAN button to cycle between settings	Off
11	20 MIN. TIME OUT (unit cycles off)	Software version	Blinks = numeric value for Major	Blinks = numeric value for Minor	Blinks = numeric value for test	Off
12	20 MIN. TIME OUT (unit cycles off)	ACU Software version	Blinks = numeric value for Major	Blinks = numeric value for Minor	Blinks = numeric value for test	On

Steps for Automatic Diagnostics

NOTICE

Drain the reservoir by unscrewing the sump cap before entering the Service Test Mode. The cap is located on bottom of sump. Screw the cap back to the sump once the water has drained.

*Not draining the reservoir prior to entering diagnostic's will not allow the Service Mode to properly check the water level sensor and water fill check.

1. Turn the icemaker on.
2. Within 20 seconds of icemaker turning on, simultaneously press and hold the **ON/OFF** and the **CLEAN** buttons. Release the buttons when the LEDs begin to flash.
3. Test mode begins.

The product will turn off after stepping through the last step. To exit Service Diagnostic Mode, without stepping through the components steps, press the **ON/OFF** button. The service mode shall exit to a normal mode after a maximum time of 20 minutes.

Order	Max Time	Component	On/Off LED	Clean LED	Quick Ice LED
1	1 sec if OK. 20 sec (when fault found)	Bin Thermistor	On solid = OK 2 Blinks = Open 4 Blinks = Short	Off	Off
2	1 sec if OK. 20 sec (when fault found)	Evaporator Thermistor	Off	On solid = OK 2 Blinks = Open 4 Blinks = Short	Off
3	1 sec if OK. 20 sec (when fault found)	Unit Thermistor	Off	Off	On solid = OK 2 Blinks = Open 4 Blinks = Short
4	10 sec (to step 5)	Compressor	On	Off	On
5	5 sec (to step 6)	Water Valve	Off	On	On solid = Reservoir Full Blinking = Reservoir Empty
6	5 sec (to step 7)	Condensor Fan	On	On	Off
7	5 sec (to step 8)	Hot Gas Valve	On	Off	On
8	5 sec (to step 9)	Recirculation Pump	On	On	On
9	5 sec (finish)	Reservoir Pump	On	On	Off

Leveling Icemaker

Moving the icemaker for servicing may effect the leveling of the unit. The icemaker must be level to ensure proper functioning. Make sure prior to reinstallation that the icemaker is level using the leveling legs:

- 4 point leveling.
- Adjust side to side, and front to rear.
- Use level to confirm that the icemaker is level.

Cabinet and Structures

Door Removal

For Stainless Steel Models

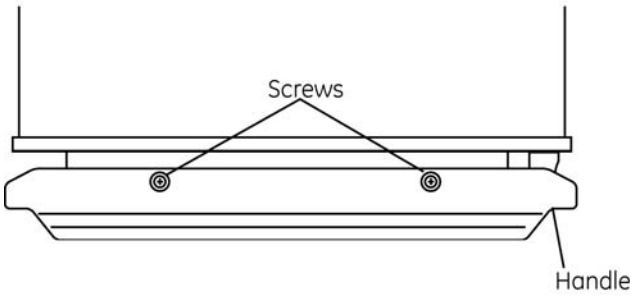
1. Remove the two 1/4 in. hex head screws from the bottom of the door.

2. Pull out the bottom portion of the door clad and lift up to remove.

For Black Models

NOTICE

If the unit has a handle attached to the top of the door, the handle must be removed to access the hinge screw.



3. To remove the door, remove the large #2 Phillips hinge pin screw from the top of the icemaker door. Pull the door open, and lift the door off the bottom hinge. Refer to the **Door Reversal** section in this Guide.
4. Remove the threaded hinge pin using a #2 Phillips driver. Pull the door forward to clear the hinge and remove the door.

Hinge Removal

Remove the two T25 Torx screws from the upper and lower hinges.

Gasket

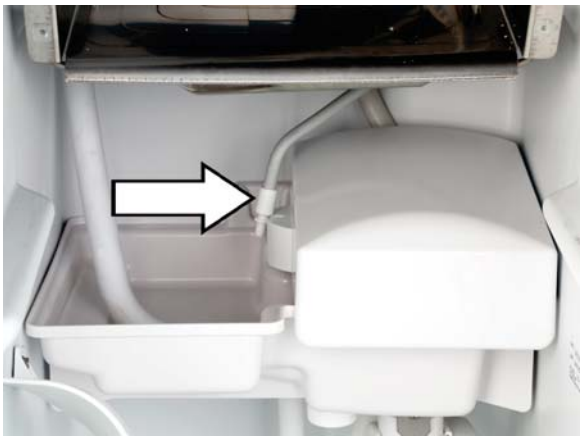
To remove the door gasket, open the icemaker door and pull the gasket out of the door track.

Check any new replacement gasket for a proper seal after it is installed.

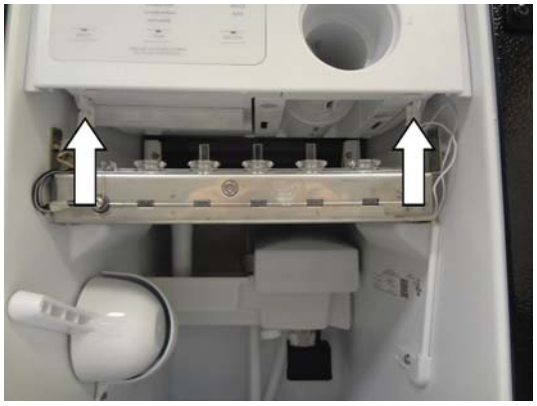
Removing Top

1. Disconnect power to the icemaker.
2. Turn off the water supply.
3. Place hand under the cutter grid cover, pull down on the cover and then pull out to disengage the tabs.
4. Pull the cover away from the cutter grid while pulling downward.

5. Remove the fill hose from the circulation pump cover.



6. Disconnect the cutting grid and bin thermistor connectors.



7. Remove the T25 Torx screw from the upper hinge and push to the side. Also, remove the two T20 Torx screws from the top cover.

8. Carefully pull the icemaker out of the cabinet.
9. Remove the two 1/4 in. hex head screws from the back of the top cover.
10. Carefully lift the top to unplug the harness and ground screw. **The ground screw must be fastened when reinstalling the top back to the icemaker.**

Access Covers and Cabinet

Front Access Panel

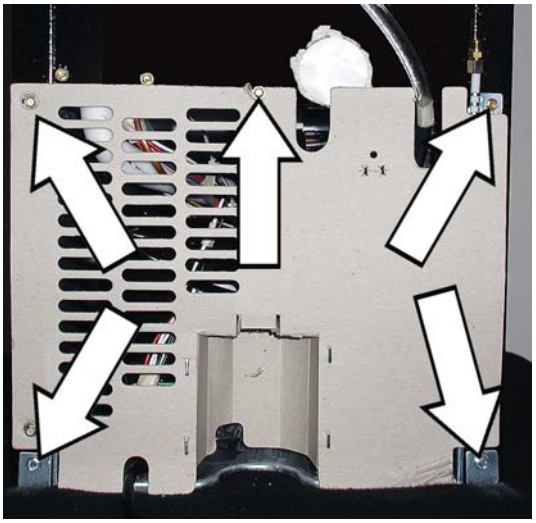
1. Disconnect power to the icemaker.
2. Turn off the water supply.
3. Remove the four T20 Torx screws from the front access cover.

NOTICE

The icemaker may need to be tilted back slightly to clear the lower hinge. The unit may need to be carefully pulled out a few inches depending on the installation.

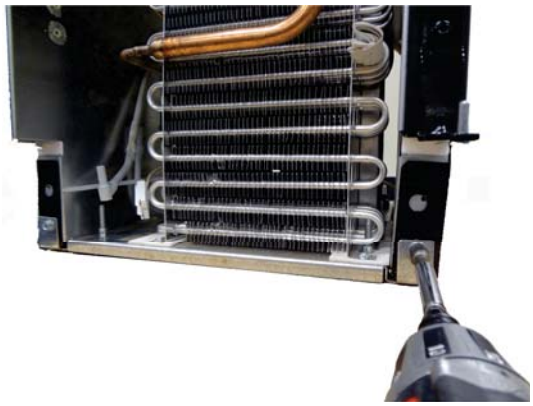
Rear Cover

1. Remove the five 1/4 in. hex head screws from the rear cover.

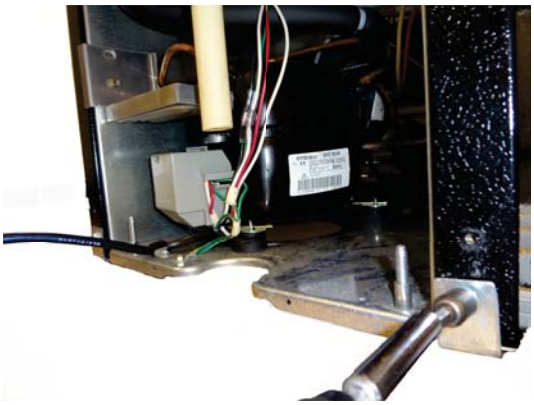


Cabinet

1. Remove the two 5/16 in. screws from the front of the icemaker.
2. Disconnect the inlet and outlet from the water valve.



3. Remove the two 5/16 in. screws from the rear of the icemaker.



Bin Components

Bin Thermistor

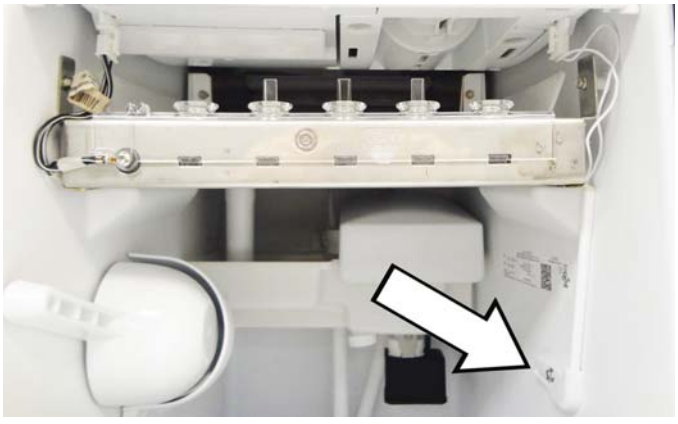
The Bin Thermistor monitors ice production in the ice bin. When ice reaches the thermistor, the bin thermistor shuts off the ice maker until the ice level drops below the bin thermistor. If the bin thermistor fails to open, or is shorted, or is at a temperature lower than prescribed for operation, the icemaker will not operate.

Bin Thermistor: 2.7k ohm at 77°F; 5 VDC. Refer to the **Thermistor Temperature/ Resistance Conversion** chart in this Guide.

Temperature (°F)	Resistance (kΩ)
32	8.78499
59	4.22624
77	2.7

To remove the bin thermistor:

1. Remove the cutter grid cover.
2. Unplug and remove the cutter grid.
3. Disconnect the thermistor connector from the bottom of the control panel.
4. Remove the hex head screw and clamp, securing the thermistor to the side wall and remove the thermistor.

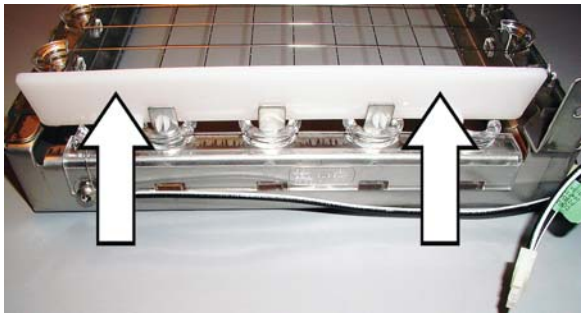


Cutter Grid

Cutter Grid: 5 ohm; the Icemaker Transformer supplies the cutter grid with a constant 9.4 VAC.

To remove the cutter grid:

1. Remove the cutter grid cover.
2. Disconnect the cutter grid and bin thermistor connectors from the bottom of the control housing.
3. Remove the two 1/4 in. hex head screws from both sides of the cutter grid. The longer screw and white spacer are on the right side.
4. Slide the cutter grid forward and out of the unit and place it on a protected work surface. **Take care not to scratch the icemaker liner.**
5. Remove the spacer from the right cutter grid bracket tab.
6. Unsnap the two ice guides, if necessary, from the cutter grid tabs. There should be a slight outward tilt after the guides are reinstalled.
7. Bend the metal tabs outward, if necessary.



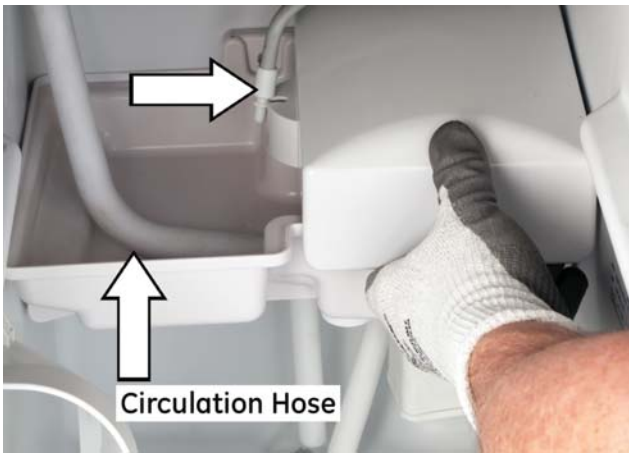
Reservoir Funnel

1. Remove the cutter grid.
2. Remove the two 1/4 in. hex head screws from the reservoir funnel.
3. Pull the funnel forward and remove.

Accessing Water Recirculation Assembly

The Water Recirculation Assembly is shielded by the recirculation assembly cover.

1. Unscrew the drain cap from the reservoir, drain the water, and place the cap back to the reservoir.
2. Remove the cutter grid.
3. Remove the reservoir funnel.
4. Disconnect the fill hose from the circulation pump cover.
5. Pull the pump cover forward.



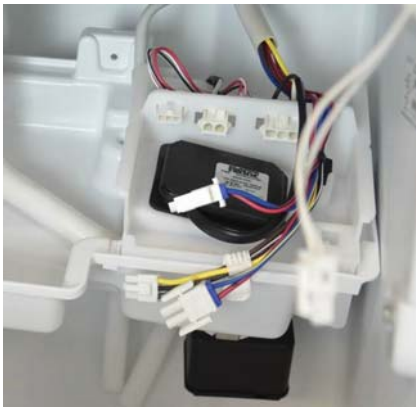
Water Recirculation Pump and Water Level Sensor

The Circulation Pump recirculates water from the reservoir over the evaporator. The water is taken from the sump through the circulation hose to the evaporator where it freezes into a slab. The remaining water exits the evaporator through the reservoir funnel back to the reservoir where the process repeats.

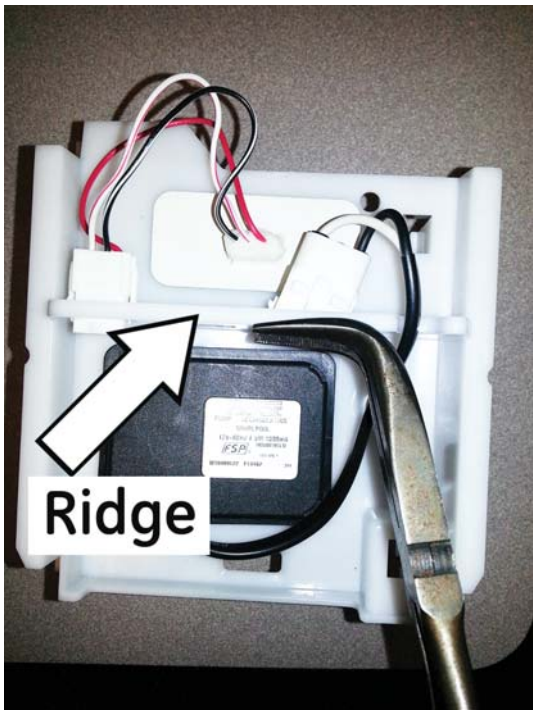
Circulating Pump: 12.8 VAC; 3.6 ohms; 7.5 - 8.5 watts

Water Recirculation Pump Removal

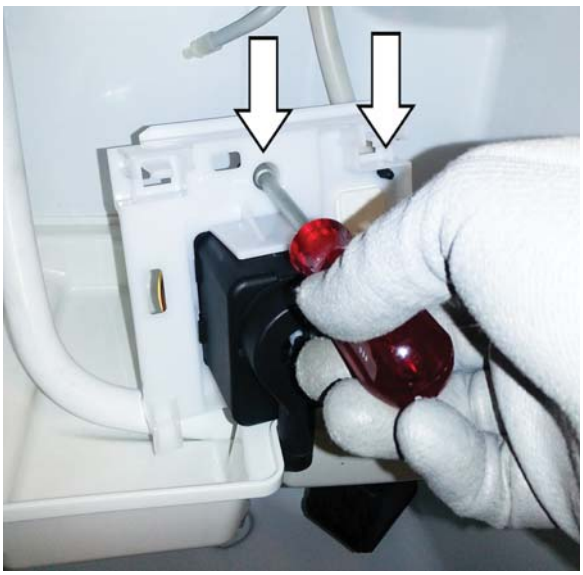
1. Disconnect the Circulation Hose from the Circulation Pump.
2. Unplug the connectors.



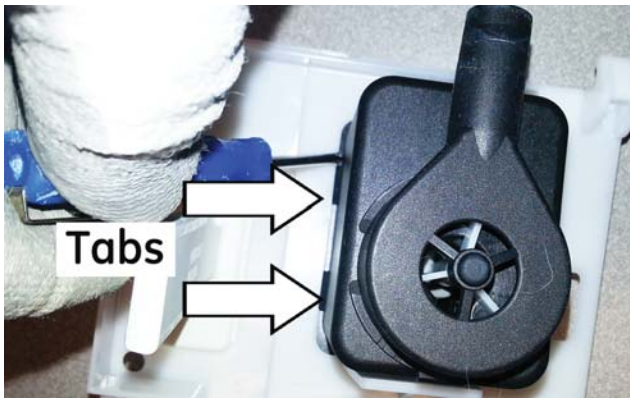
3. Release the Drain Pump connectors from the housing using a small flat blade screwdriver or needle nose pliers.



4. Pull up on the ridge section of circulation assembly to release it from sump body.
5. Raise the pump to a vertical position to remove the circulation pump from the sump.
6. Disconnect the wire harness from the circulation pump housing using a 1/4 in. nut driver. There are two “Christmas tree” fasteners. To release these fasteners, insert and push up using a 1/4 in. nut driver.



7. To remove Circulation Pump, use small flat blade screwdriver, placing it between the pump and the pump housing support to release the tabs.



8. Remove the Water Level Sensor. Use thumb and push the sensor away from the housing.

Water Level Sensor Operation

When the water level rises up the sensor, it interrupts the magnetic field, allowing the sensor to detect the disturbance. This initiates a 5 VDC signal to the main control board, indicating that the reservoir is full.

Testing Water Level Sensor

Approximately 14 VDC is supplied to the Water Level Sensor through **black**/**white** – **brown** at the water sensor connector.

If approximately 14 VDC is not present at the water level sensor, check the supply voltage at the main control board, terminal P8, pin 3 and 6. If voltage is present, then check the wire and connections. If voltage is not present, replace the main control board.

When the sump is empty, approximately 0 VDC will display on the meter through **yellow**/**red** – **brown** at the Water Level Sensor connector.

NOTICE

If voltage is present and the reservoir is empty, replace the water level sensor.

When water is present in the sump, the meter will display approximately 5 VDC through **yellow**/**red** – **brown** at the Water Level Sensor connector.

Approximately 14 VDC is supplied to water level sensor through **black**/**white** – **brown** at the water level sensor connector.

NOTICE

If voltage is not present and the reservoir has water, replace the water level sensor.

Reservoir and Drain Pump

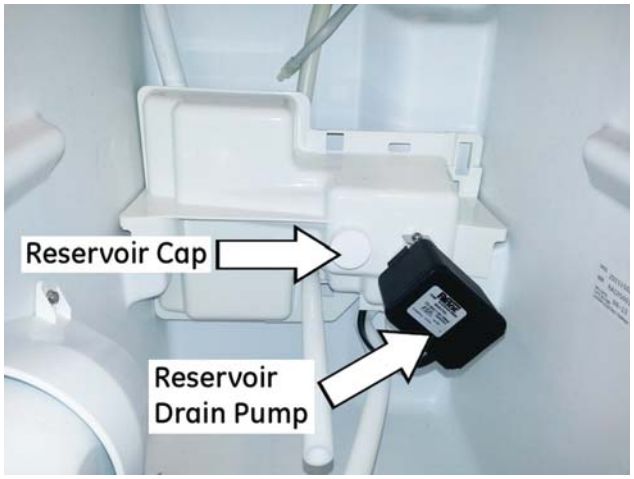
The Reservoir Pump is activated during the harvest mode to remove minerals from the reservoir left over from the previous freeze cycle.

Drain Pump: 12.8 VAC; 3.6 ohms, 4.5 watts

Reservoir Drain Pump Removal

1. Remove the cutter grid.
2. Unscrew the drain cap from the reservoir, then drain the water, and replace the cap tightly.
3. Remove the pump cover.
4. Pull the reservoir fill hose away from the pump cover.
5. Pull the pump cover forward.
6. Remove the 1/4 in. hex head screw from the reservoir assembly.

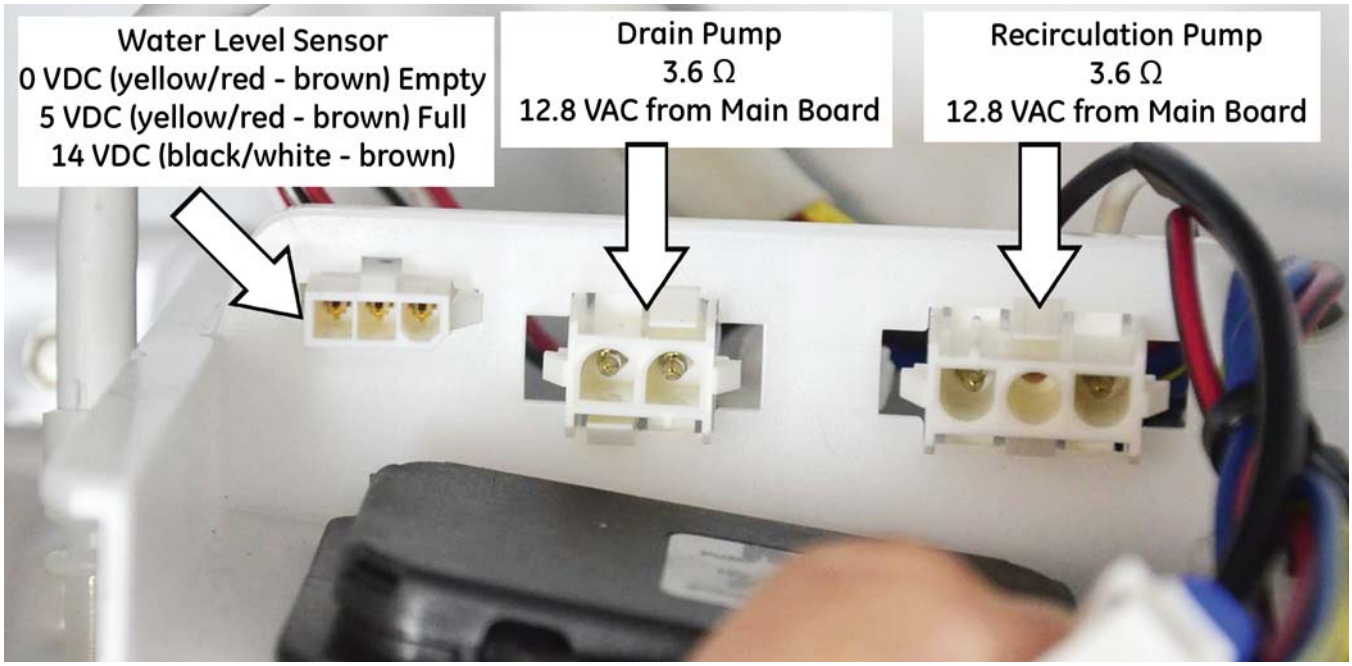
7. Rotate the reservoir to access the drain pump.

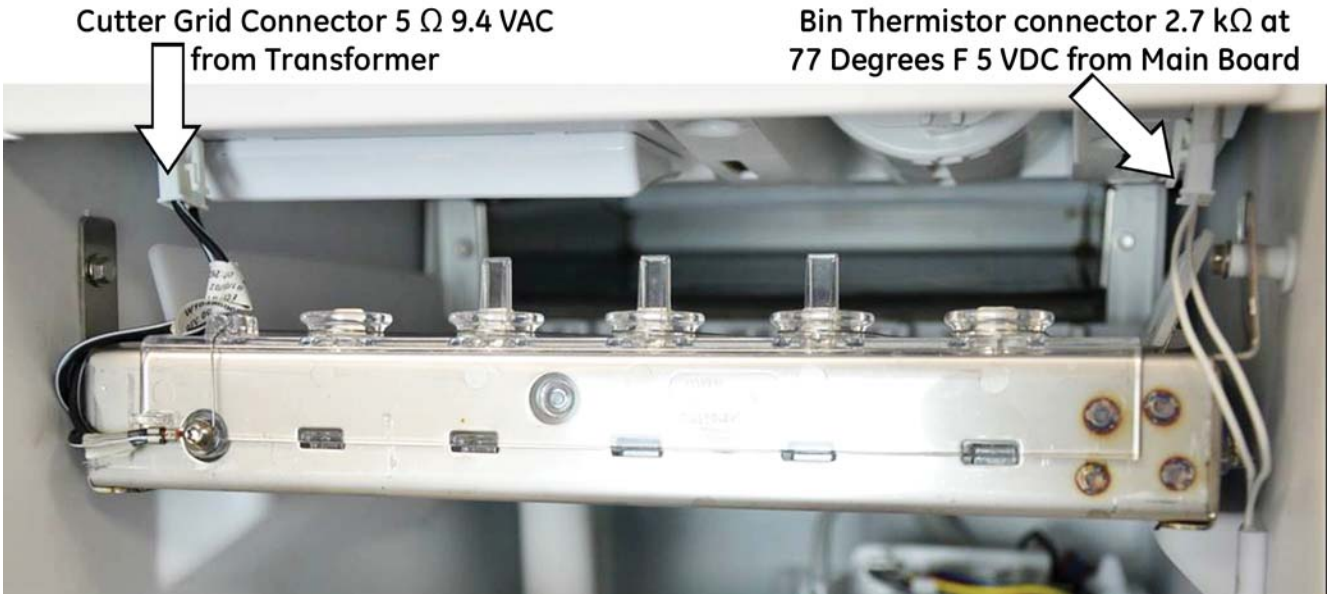


8. Remove the T15 Torx screw.
9. Rotate the pump a 1/4 in. turn in either direction to remove.

To install components, reverse the procedure.

Bin Component Connector





Accessing Control Compartment

Evaporator Thermistor

The evaporator thermistor initiates and ends the harvest mode. If the evaporator (harvest) thermistor fails to open or is shorted, a default 3 minute harvest cycle will be initiated.

End of Harvest Mode

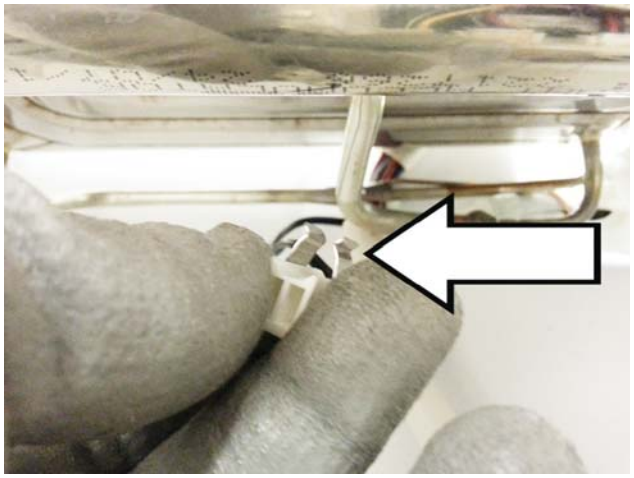
- **Evaporator Temperature**: 52°F ±0.3°F
- **Evaporator Resistance**: 5.1K ohm ±1%

To remove the evaporator thermistor:

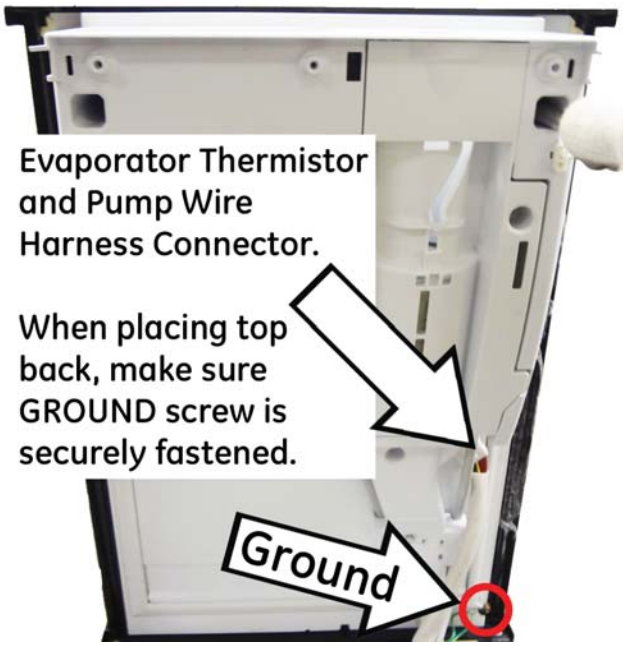
1. Disconnect power to the icemaker.
2. Turn off the water supply.
3. Disconnect the water supply and drain the connections.
4. Remove the door.
5. Remove the cutter grid cover.
6. Unplug the bin thermistor, and the cutter grid connectors.
7. Remove the cutter grid.
8. Remove the reservoir funnel.
9. Remove the fill hose from the circulation pump cover.
10. Remove the top T25 Torx screw from the door hinge.
11. Remove the two T20 Torx screws from the front of the cover.

12. Carefully pull the icemaker out
13. Remove the two 1/4 in. hex head screws from the back of the icemaker.

14. Remove the evaporator thermistor from the evaporator tubing. See table below for End of Harvest Mode.



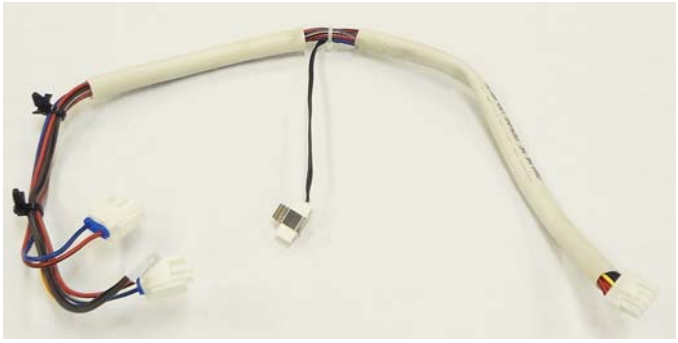
15. Lift the top and remove the ground screw, then unplug the pump and the thermistor harness.



Accessing Control Housing

1. Remove the top.
2. Lift the top and remove the five 1/4 in. hex head screws from the bottom side of the control housing.
3. Disconnect the wire harness plugged into the right side of the control housing.
4. Remove the one 1/4 in. ground screw from the bottom of top cover.

The evaporator thermistor is only available by ordering the “Pump wire harness assembly”. The evaporator thermistor is not available as a separate part.



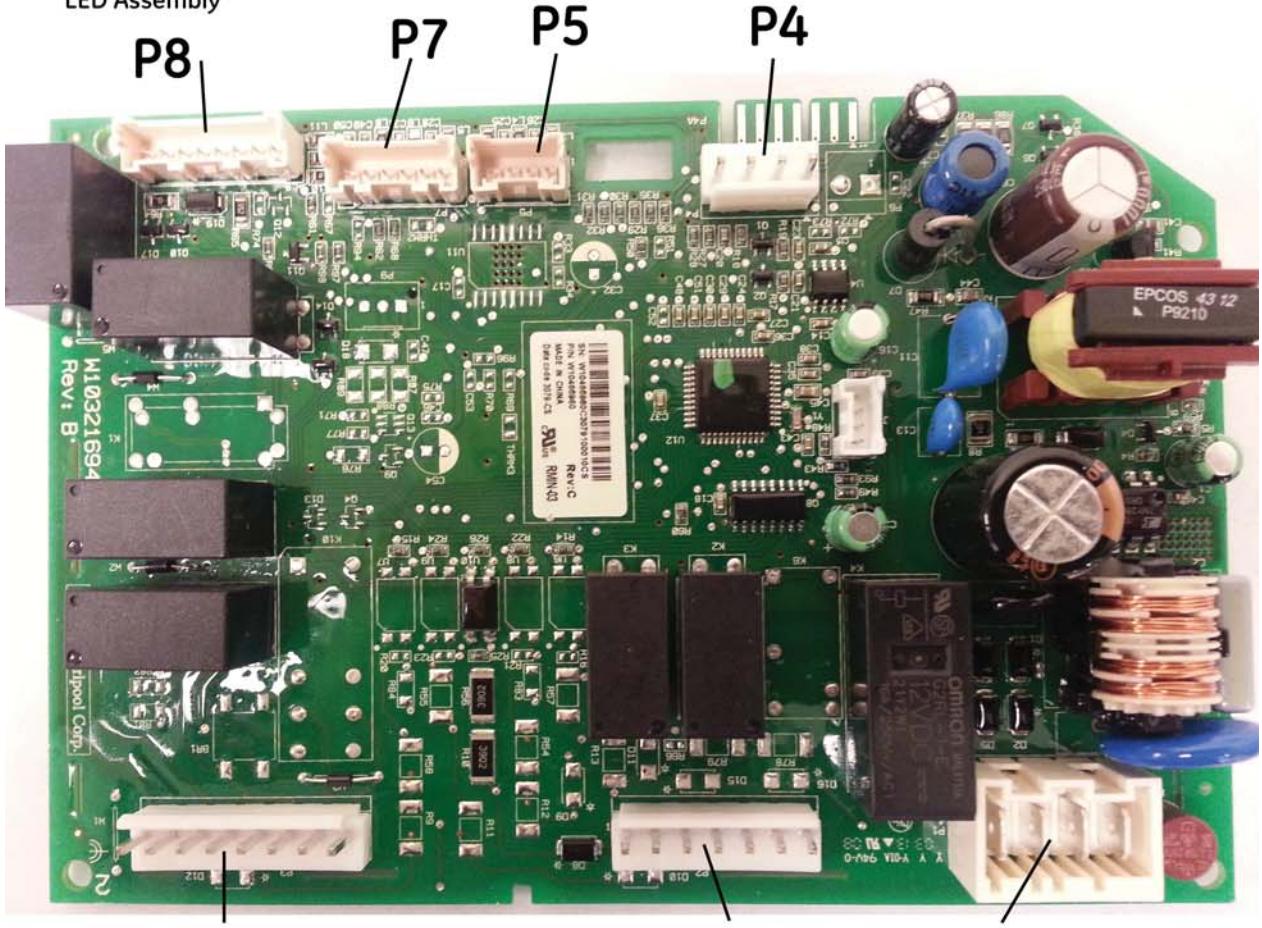
Control Board

- 5 VDC Input Door Reed Switch
- 5 VDC Input Water Level Sensor
- 14 VDC Output Water Level Sensor
- 14 VDC Output Bin LED Assembly

5 VDC Input Machine Compartment Thermistor

- 5 VDC Input Bin Thermistor
- 5 VDC Input Evaporator Thermistor

- 14 VDC Output User Interface
- Communication



- 120 VAC Neutral Output For Transformer
- 120 VAC Output to Hot Gas Valve
- 12.8 VAC Input from Transformer
- 12.8 VAC Output to Recirculation Pump
- 12.8 VAC Output to Drain Pump

- 120 VAC Input Water Filter Switch Feedback
- 120 VAC Output to Condensor Fan
- 120 VAC Output to

- 120 VAC Input When Plugged In
- 120 VAC Output to Compressor
- 120 VAC Input Neutral

Control Board Check Points

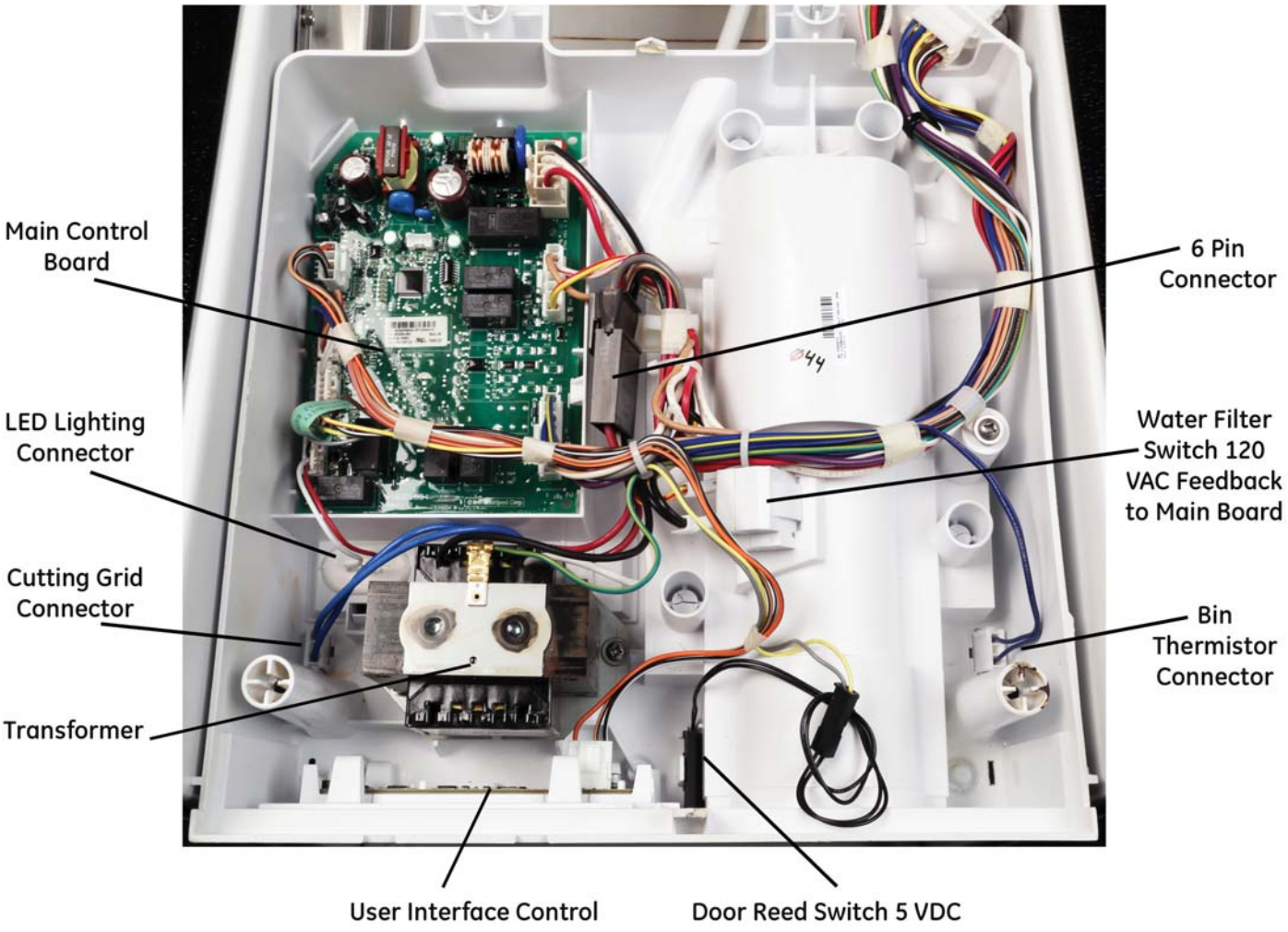
		Voltage Check Points				
		FROM	COLOR	TO	COLOR	CONDITIONS
Main Control	P1	P1-1	BK	P1-2	WH	120 VAC INPUT, UNIT PLUGGED IN
		P1-4	RD	P1-2	WH	120 VAC OUTPUT TO COMPRESSOR
	P2	P2-1	YL/RD	P1-2	WH	120 VAC INPUT WATER FILTER SWITCH FEEDBACK
		P2-5	WH/RD	P1-2	WH	120 VAC OUTPUT TO CONDENSER FAN
		P2-6	TN	P1-2	WH	120 VAC OUTPUT TO WATER VALVE
	P3	P3-1	WH/TN	P1-1	BK	120 VAC NEUTRAL OUTPUT FOR TRANSFORMER
		P3-3	V	P1-2	WH	120 VAC OUTPUT TO HOT GAS VALVE
		P3-5	GY	4 CKT PIN 2	RD/BK	12.8 VAC INPUT FROM TRANSFORMER
		P3-6	BU	4 CKT PIN 2	RD/BK	12.8 VAC OUTPUT TO RECIRCULATION PUMP
		P3-8	BU/YL	4 CKT PIN 2	RD/BK	12.8 VAC OUTPUT TO DRAIN PUMP
	P4	P4-1	OR/BK	P4-4	BK/WH	14V DC OUTPUT USER INTERFACE
		P4-3	TN/BK	P4-4	BK/WH	COMMUNICATION
	P5	P5-1	BU	P5-2	BU	5 VDC INPUT BIN THERMISTOR
		P5-3	TN/RD	P5-4	TN/RD	5 VDC INPUT EVAPORATOR THERMISTOR
	P7	P7-1	WH	P7-2	WH	5 VDC INPUT UNIT THERMISTOR
	P8	P8-1	YL	P8-2	GY	5 VDC INPUT DOOR REED SWITCH
		P8-3	YL/RD	P8-4	BR	5 VDC INPUT WATER LEVEL SENSOR
		P8-6	BK/WH	P8-4	BR	14 VDC OUTPUT WATER LEVEL SENSOR
		P8-7	WH	P8-8	RD	14 VDC OUTPUT LED

VOLTAGE TEST POINTS						
		From	**Color**	**To**	**Color**	**Conditions**
UI	J1	J1-4	OR/BK	J1-1	BK/WH	14 VDC INPUT USER INTERFACE
	J2	J1-2	TN/BK	J1-1	BK/WH	COMMUNICATION
VOLTAGE TEST POINTS DIAMOND LED						
	J2	J2-1	WH	J2-2	RD	14 VDC INPUT LED LIGHT

VOLTAGE TEST POINTS TRANSFORMER				
4 PIN CONNECTOR TERMINAL 3	WH	4 PIN CONNECTOR TERMINAL 4	BK	120VAC INPUT TO TRANSFORMER
4 PIN CONNECTOR TERMINAL 1	RD	4 PIN CONNECTOR TERMINAL 2	RD	12.8VAC OUTPUT FROM TRANSFORMER To Control Board
3 PIN CONNECTOR TERMINAL 1	BU	3 PIN CONNECTOR TERMINAL 3	BU	9.4VAC OUTPUT FROM TRANSFORMER To Cutter Grid

Control Compartment

NOTICE
Make sure that the power is disconnected and the 6 steps of LOTO are applied.



Control Compartment Components

Electronic Control Housing Components

⚠ WARNING

Disconnect power prior to accessing.

Control housing components consist of:

- Electronic control board
- Transformer
- Light switch (reed)
- User interface control
- Water filter feedback switch

Removing Electronic Control Board

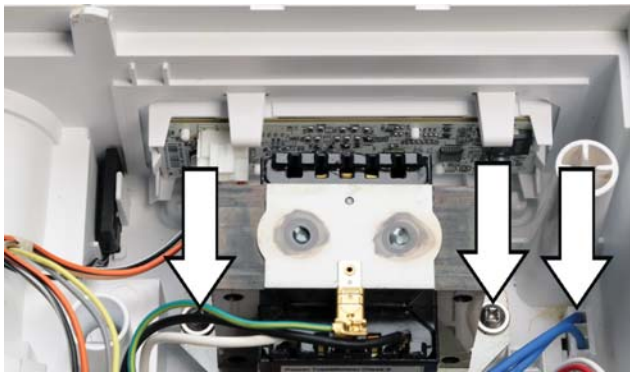
1. Disconnect the seven harness connectors from the board terminals.
2. Push out on the tab, then lift up on the board and remove.

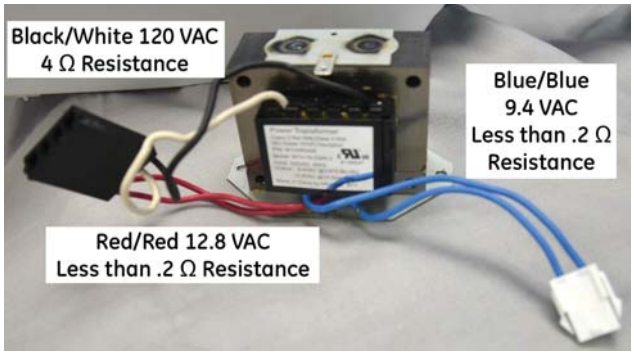
Transformer

The transformer steps down 120 VAC to 12.8 VAC and 9.4 VAC. Low voltage from the transformer provides power 12.8 VAC through the board to the circulation and reservoir pumps, and 9.4 VAC to the cutter grid.

Transformer Removal

1. Disconnect the four pin black connector and the ground wire.
2. Remove the two Phillips screws, and then disconnect the wires from the transformer.
3. Disconnect the cutter grid connector from the control housing.





Door Reed Switch

The door switch signals the main board to activate the LED and allows the control panel to illuminate. If the door is left open more than 5 minutes, the LED will cycle off.

5 VDC is supplied to the door switch from the main control board,
through terminal P8, **yellow** – **grey**.

⚠ WARNING

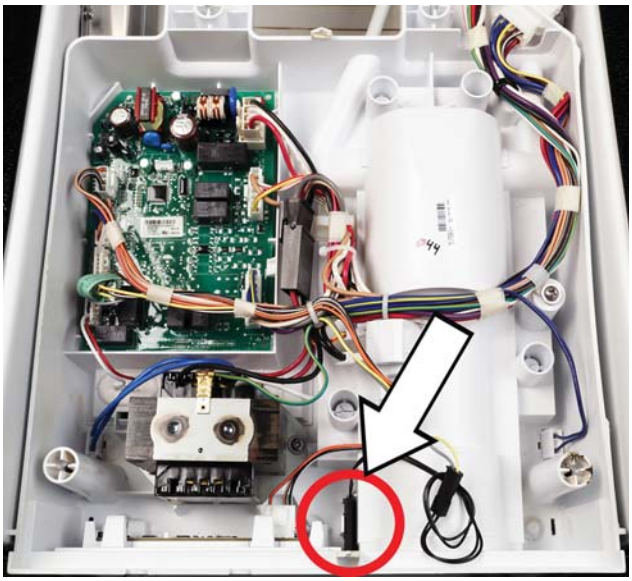
Disconnect power prior to accessing.

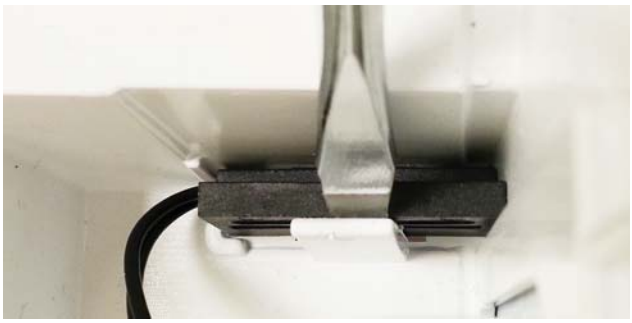
Removing Door (Reed) Switch

1. Unplug the connector and remove the door switch.

NOTICE

Use a flat blade screwdriver to remove the door switch.





Checking Door Reed Switch

The reed switch is a N.O. reed switch. To check:

- Set the meter to ohms (use needle leads WX05X10013).
- Unplug the reed switch connector.
- Use a magnet to close the contacts in the reed switch.

If the contacts are open replace the door reed switch.

Checking Water Filter Switch

The water filter switch provides feedback to the main control board where it see's if a filter is installed. If no filter is installed or if the switch failed in the open position the **REPLACE FILTER** will illuminate.

120 VAC is supplied to the water filter switch from terminal P2, **yellow**/**red** - **white**.

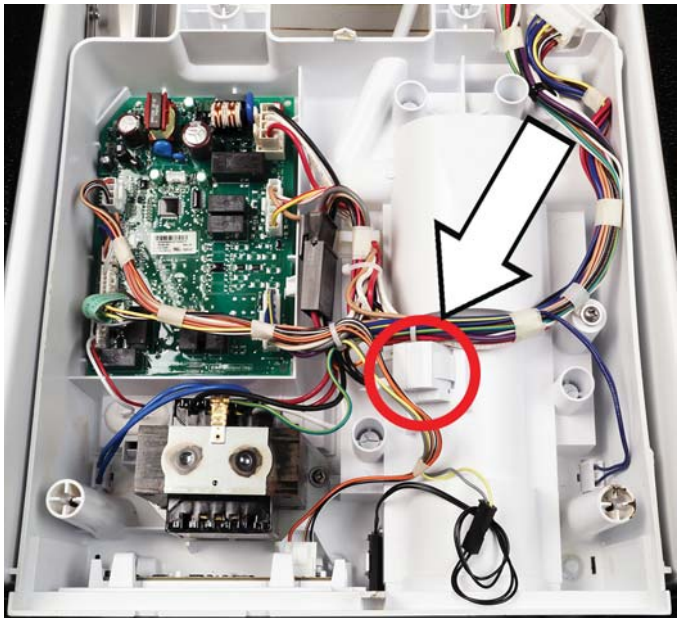
The water filter switch is a N.O. switch. To check:

- Set the meter to ohms (use needle leads).
- Unplug the wires from the switch.
- Press the actuator on the switch.
- Check for continuity.

If the switch is open, replace the switch.

Water Filter Switch

1. Remove the filter cartridge.
2. Disconnect the filter switch connections.
3. Remove the switch by squeezing the retainer and then pushing down.



User Interface (UI) Board

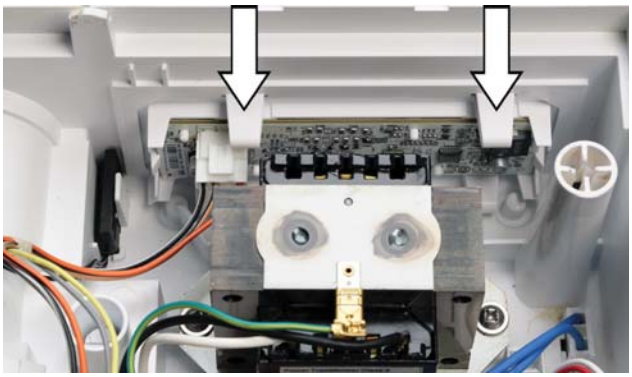
14 VDC is sent from the main board through connector P4 **orange**/**black** — **black**/**white**, communication P4 **tan**/**black** — **black**/**white**.

- Use needle leads WX05X10013.

⚠ WARNING

Disconnect power prior to removing UI board.

1. Push down on both tabs to release UI from control housing
2. Unplug connector off of UI and remove.

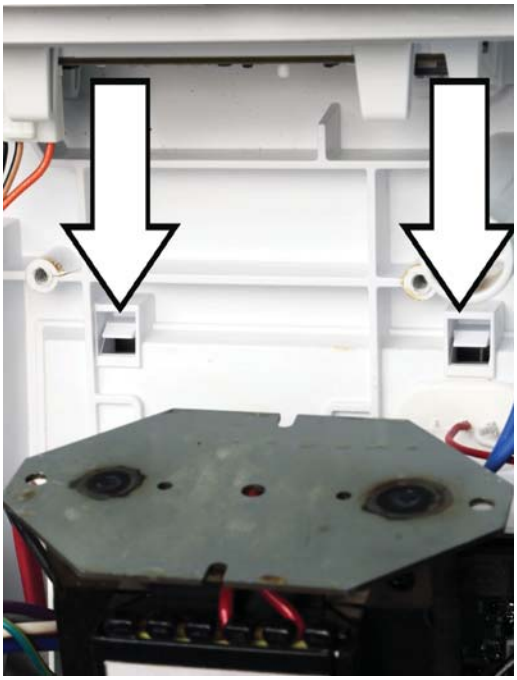


LED Lighting

When icemaker door is open 14 VDC is supplied to LED from Control board J2 connector **white** — **red**. If the LED does not operate when the door is opened, then check the door reed switch also.

- The continuity check is not applicable for the LED.

1. Remove the two Phillips screws from the transformer, and then disconnect the wires from the transformer.
2. Release the LED assembly tabs under the transformer using a small flat blade screwdriver.

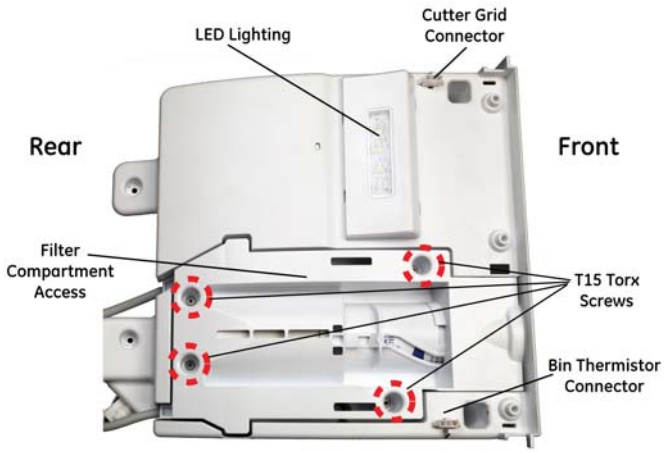


3. Support the LED assembly while releasing the tab.

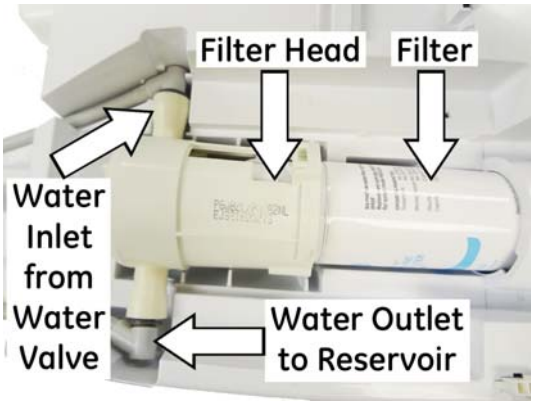
4. Unplug the connector to remove the LED.

Filter Head

Accessing Filter Head Assembly



The image below displays the layout of the filter cartridge area.



1. Disconnect power to the icemaker.
2. Remove the filter.
3. Disconnect the water and drain lines from the icemaker and remove the unit from its installation.
4. Remove the icemaker top.
5. Carefully rotate the control compartment over to the access filter head cover.
6. Remove the four T15 Torx screws.
7. Remove the cover.
8. Lift the filter head out of the assembly.

9. Release the quick connect and pull out.

Accessing Machine Compartment

Front Access Panel

Front Panel Removal

The front panel allows access to:

- Water Valve
- Condenser
- Mini Manual

1. Disconnect power to the icemaker.
2. Remove the four T20 screws from the front access cover.

NOTICE

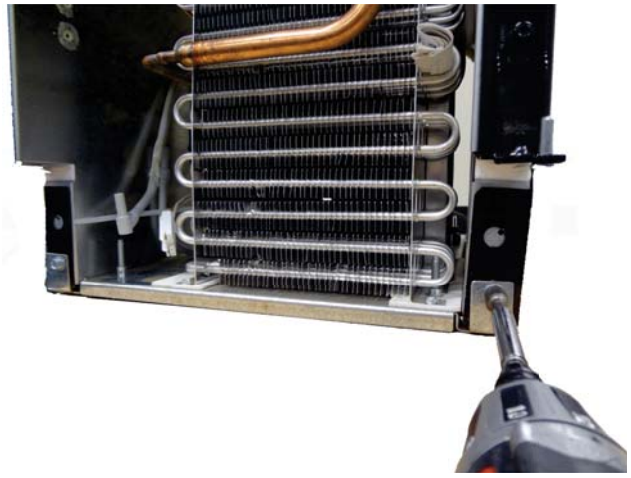
The icemaker may need to be tilted back slightly to clear the lower hinge due to floor conditions.

Rear Cover Removal

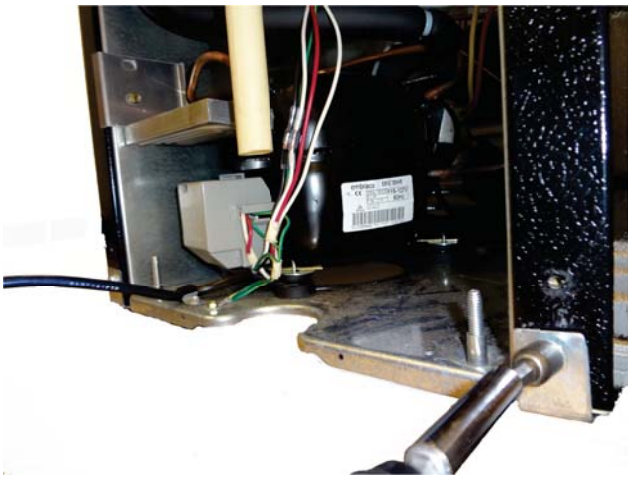
The rear panel allows access to:

- Compressor
- Condenser Fan Assembly
- Hot Gas Assembly
- Machine Compartment Thermistor
- Condenser Fan Inductor

1. Remove the five 1/4 in. hex head screws from the rear cover.
2. Remove the two 5/16 in. screws from the front of the icemaker.



3. Remove the two 5/16 in. screws from the rear of the icemaker.

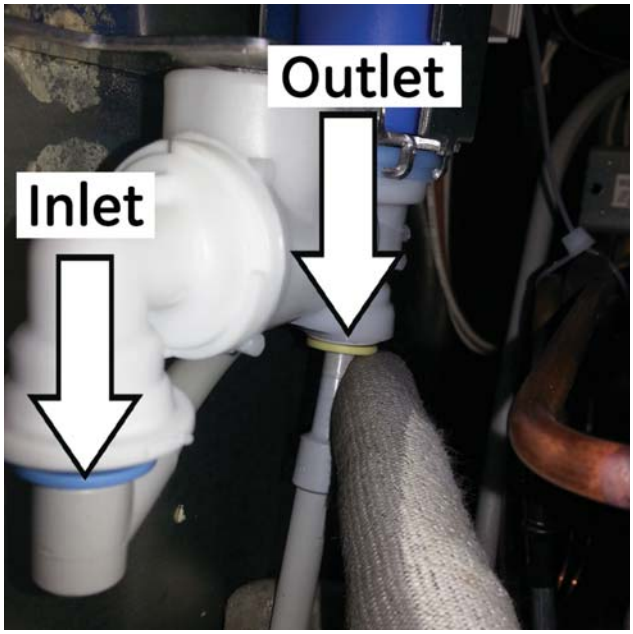


Machine Compartment Components

Water Valve: 120 VAC; 310 ohms

Water Valve Removal

1. Disconnect power to the icemaker.
2. Turn off the water supply.
3. Remove the four T20 Torx screws from the front access cover.
4. Remove the two 1/4 in. hex head screws.
5. Release the inlet and outlet quick connects to remove the water lines.
6. Unplug the water valve wire connector.



Inlet Tube to Water Valve

Outlet Tube to Water Filter Head Assembly

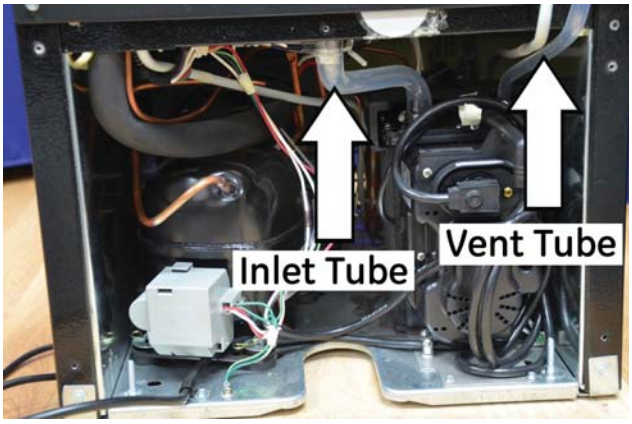
Condenser Fan Motor Removal

Condenser Fan Motor: 120 VAC; P2 pin 5 on main board **white/red** – **white** (line neutral); 8 ohms. The condenser fan is controlled by the machine compartment thermistor and is in series with the condenser fan inductor coil. See **Machine Compartment Thermistor** and **Condenser Fan Motor Inductor Coil** in this section.

1. Disconnect power to the icemaker.
2. Turn the water supply off.
3. Disconnect the water and drain lines from the icemaker and remove the unit from its installation.
4. Remove the T20 Torx screws from the front access cover. (See **Cabinet and Structures** section in this Guide.)
5. Remove the 1/4 in. screws from the rear cover. (See **Cabinet and Structures** section in this Guide.)
6. Remove the front and rear 5/16 in. case screws. (See **Cabinet and Structures** section in this Guide.)

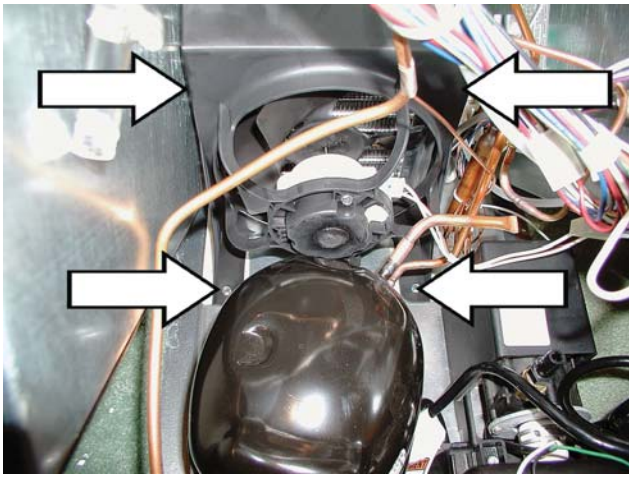
> ***NOTICE***
>
> If the unit is not equipped with an internal drain pump, skip the next step.

7. Disconnect the inlet tube and the vent tube from the internal drain pump.



8. Safely tilt the front of the cabinet forward. Secure the cabinet while working in the machine area.

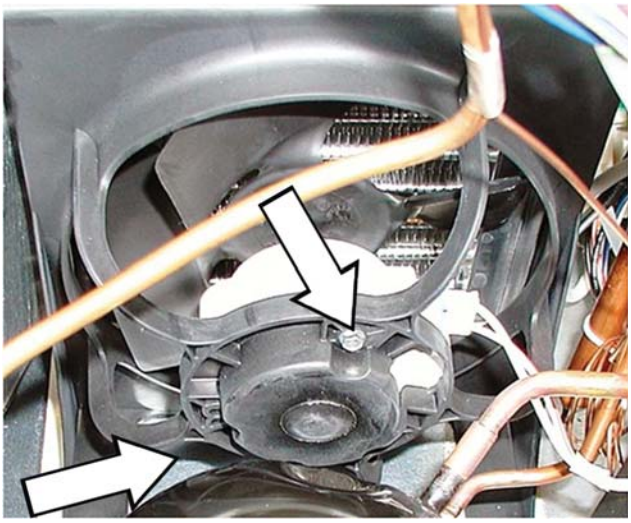
9. Disconnect the wire connector from the condenser fan motor.
10. Remove the four screws (two bottom and two side) from the condenser fan motor shroud. Slide the shroud assembly back towards the compressor, and then lift and remove the assembly from the unit.



11. Remove the condenser fan blade by pulling the fan blade straight off of the shaft.

> ***NOTICE***
>
> Make sure when reinstalling the fan blade that the blade is seated completely on the motor shaft. Take note of fan direction when removing.

12. Remove the two 1/4 in. hex head screws from the condenser fan motor and remove the motor from the shroud.



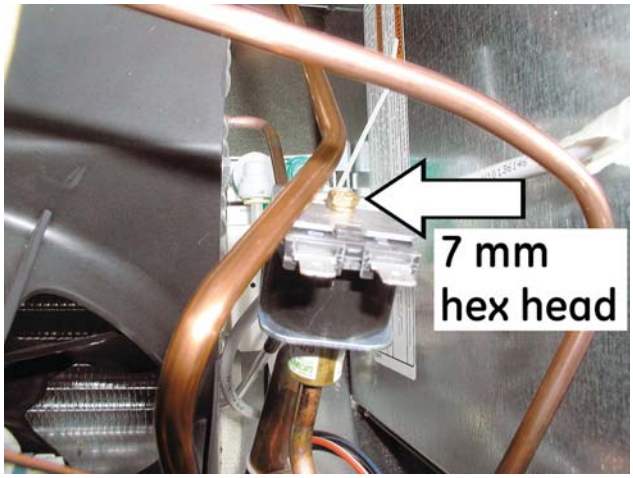
Hot Gas Solenoid

The Hot Gas Solenoid is activated during the harvest and clean modes respectively.

Hot Gas Solenoid: 120 VAC;
P3 pin 3 **violet** — **white**; 365 ohms

Hot Gas Solenoid Removal

1. Gain access to the machine compartment.
2. Disconnect the 2 wire connector from the solenoid terminals.
3. Remove the 7 mm hex head screw from the solenoid and lift the solenoid off of the hot gas valve.



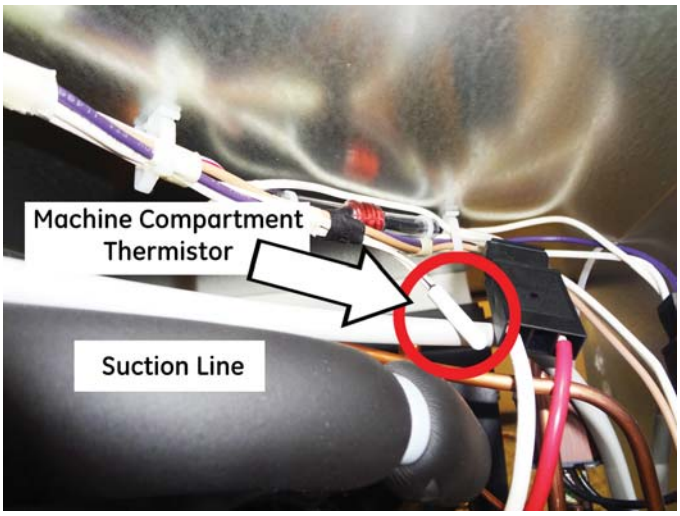
Machine Compartment Thermistor

The unit thermistor signals to the control board to turn on the condenser fan motor if the machine compartment temperature exceeds 115°F.

5 VDC is supplied to the thermistor from the main board, terminal P7 pin 1 and 2 **white — white**.

Replacing Machine Compartment Thermistor

1. Disconnect power to the icemaker.
2. Turn off the water supply.
3. Disconnect the water and drain lines from the icemaker and remove the unit from its installation.
4. Remove the door.
5. Remove the cutter grid and unplug the bin thermistor.
6. Remove the pump cover and disconnect the fill tube.
7. Remove the unit from its installation.
8. Remove the top.
9. On the back of the icemaker, remove the six 1/4 in. screws from the vertical heat exchanger and the wiring cover (refer to the Structures section, under Rear Cover for instructions).
10. Remove the rear back cover.
11. Unplug the machine and the control wire harness and replace with the new harness.



	CONDENSER FAN ON		CONDENSER FAN OFF	
	TEMPERATURE	RESISTANCE	TEMPERATURE	RESISTANCE
UNIT COMPARTMENT THERMISTOR	>=115°F ±1°F	1.10k Ω ±3%	<=114°F±1°F	1.17k Ω ± 3%

For full chart, refer to the **Thermistor Temperature/Resistance Conversion Chart** in this Guide.

Condenser Fan Motor Inductor Coil

The inductor (coil) is wired in series with the condenser fan motor. Its purpose is to smooth voltage spikes to the condenser fan motor.

Checking Inductor Coil

- Verify that the temperature in the unit compartment is above 115°F.
- Set the meter to ohms scale.
- Check at the main board connector P2 pin 5 to **white**/**red** at the condenser fan motor connector.
- Inductor will read 0 ohms for a moment (approximately 1 second), then 16 ohms.
- Check for 120 VAC at the condenser fan motor connect. If voltage is present, the inductor is good. If voltage is not present at the condenser fan motor connector, check the main board terminal at P2, pin 5 **white**/**red** — **white** (line neutral).
- If there is no voltage at the main board terminal, then replace the board.
- If there is voltage present, replace the inductor coil.

NOTICE

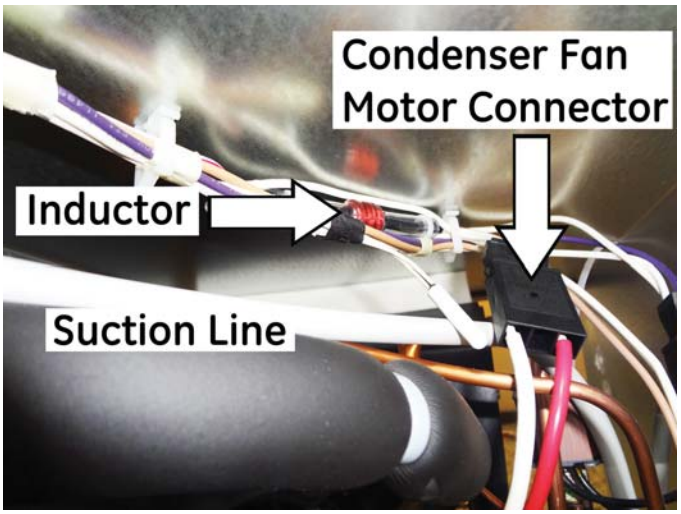
The inductor coil is part of the main wire harness. The wire harness will need to be ordered if the inductor needs replacing.

Replacing Icemaker Compartment Inductor Coil

1. Disconnect power to the icemaker.
2. Turn off the water supply.
3. Remove the door.
4. Move the upper hinge.
5. Remove the cutter grid and unplug the bin thermistor.
6. Remove the pump cover and disconnect the fill tube.
7. Remove the unit from its installation.
8. Remove the top. Remove the six 1/4 in. screws from the heat exchanger and the wiring cover.
9. Remove the rear back cover.
10. Unplug the machine and the control wire harness and replace with the new harness.

NOTICE

Voltage will not be present at the inductor coil or condenser fan motor if the machine compartment area has not reached 115°F or greater.



Sealed System

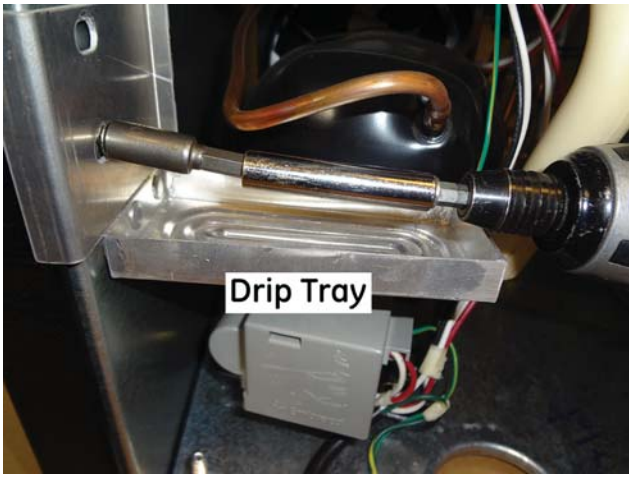
When accessing sealed system, always recover refrigerant charge and replace drier. Follow approved recovery procedures.

Charging information:

- 5.75 ounce R134a

Compressor Removal

1. Disconnect power to the icemaker.
2. Remove ice from the storage bin.
3. Disconnect the water and drain lines from the icemaker and remove the unit from its installation.
4. Remove the T20 Torx screws from the front of the access cover. (See **Cabinet and Structures** section in this Guide.)
5. Remove the 1/4 in. screws at the rear cover.
6. Remove the drip tray.

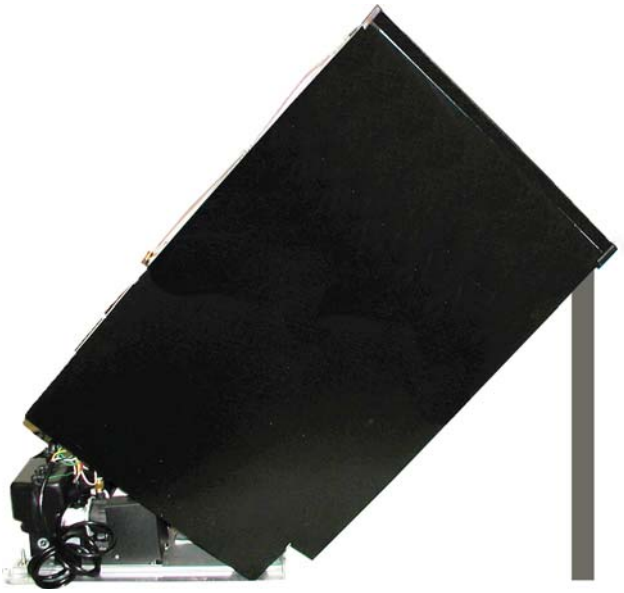


7. Remove the compressor electrical cover by inserting a flat blade screw driver into the cover and compressor.
8. Remove the front and rear 5/16 in. case screws.
9. Disconnect the relay, overload and ground wire from the compressor terminals.
10. Pull the two clips off of the rear studs of the compressor.
11. Remove the line cord retainer and the chassis ground wire.

NOTICE

Reconnect all of the ground wires and restraints when reinstalling the components and the cabinet.

12. Safely tip the front of the cabinet forward and securely prop it up.



13. Cut the suction and discharge the lines from the compressor, or unbraze.
14. Cut the dryer filter from the system.

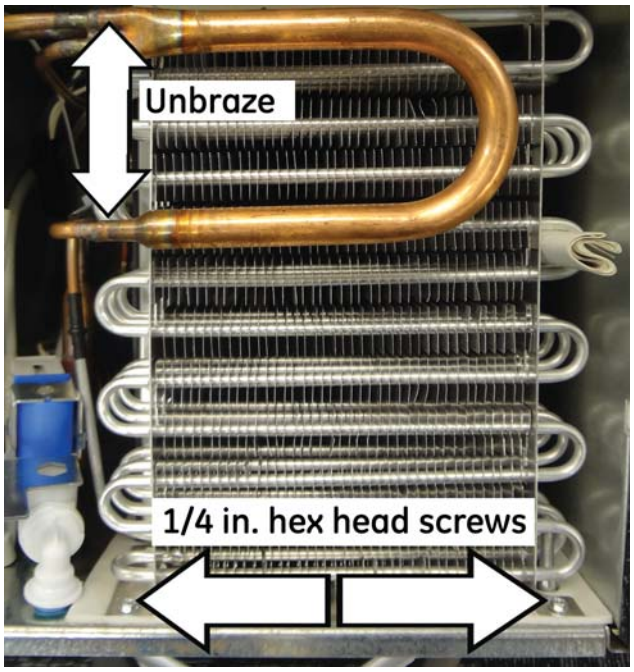
⚠ CAUTION

Do not use a torch to remove the drier.

15. Pull the clips off of the compressor mounting studs.
16. Lift the compressor off of the four mounting studs and remove it from the unit.
17. Remove the four metal spacers and the rubber isolators from the compressor stud locations.
18. When accessing the sealed system, properly recover the refrigerant and replace the drier.

Condenser

1. Disconnect power.
2. Disconnect the water and drain the lines from the icemaker and remove the unit from its installation.
3. Access the machine compartment.
4. Safely tip the front of the cabinet forward and prop it up.
5. Remove the four condenser fan motor screws from the fan motor shroud. Pull the motor assembly back away from the condenser as far as possible, but do not remove it.
6. Remove the two mounting screws from the condenser bracket flanges.



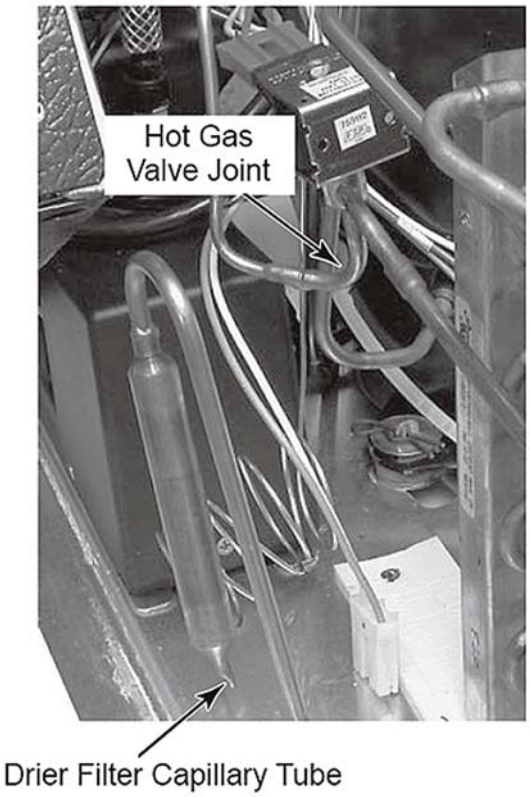
7. Unbraze the 2 condenser joints from tubing.

Hot Gas Valve Removal

1. Remove the solenoid from the hot gas valve.
2. When accessing the sealed system, properly recover the refrigerant charge and replace the drier.
3. Unbraze the hot gas valve from the tubing.

NOTICE

Apply thermal paste WX5X8927 on the hot gas valve body prior to brazing. Remove excess thermal paste before reconnecting solenoid to hot gas valve body.

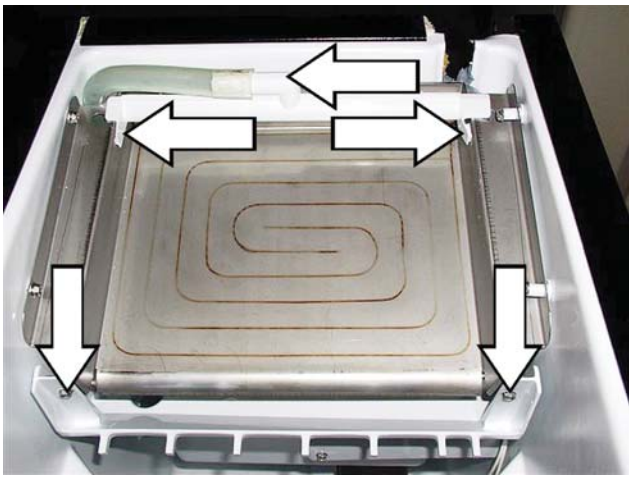


Evaporator Removal

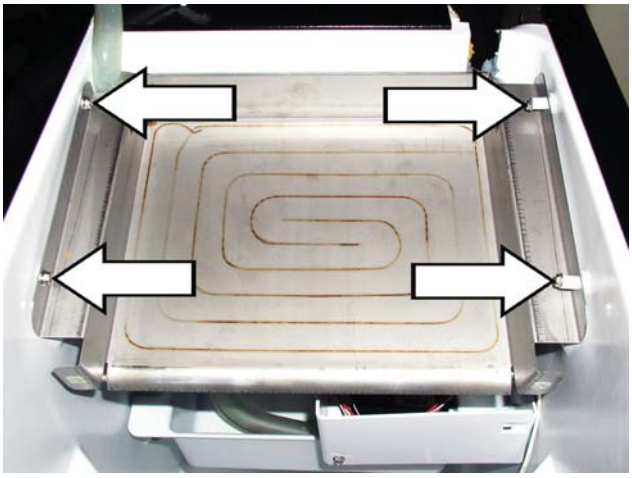
1. Remove the door.
2. Move the upper hinge.
3. Remove the cutter grid and unplug the bin thermistor.
4. Remove the pump cover, disconnect the fill tube and remove recirculation funnel.
5. Remove the unit from its installation.
6. Remove the top
7. Remove the six 1/4 in. screws from the heat exchanger and the wiring cover.
8. Remove the rear back cover.

   When accessing the sealed system, properly recover the refrigerant charge and replace the dryer.
9. Remove the EPS barrier.

10. Pull out on the left and right water distributor retainers and remove the tabs from the slots in the evaporator.
11. Disconnect the hose from the water distributor and remove the water distributor.



12. Remove the four 1/4 in. screws from the evaporator, lift evaporator and remove the spacers on the right side.



13. Lift the evaporator out of the cabinet and carefully lay it out of the way.

14. Unbraze (or cut) the evaporator from the tubing at the following locations:
    - Suction line at the compressor
    - Hot gas line at the hot gas valve
    - Cut the capillary tube at the dryer filter

After any sealed system repair, install a new dryer and a process stub on the compressor. Evacuate and recharge.

Charge Information:

- 5.75 ounce R134a

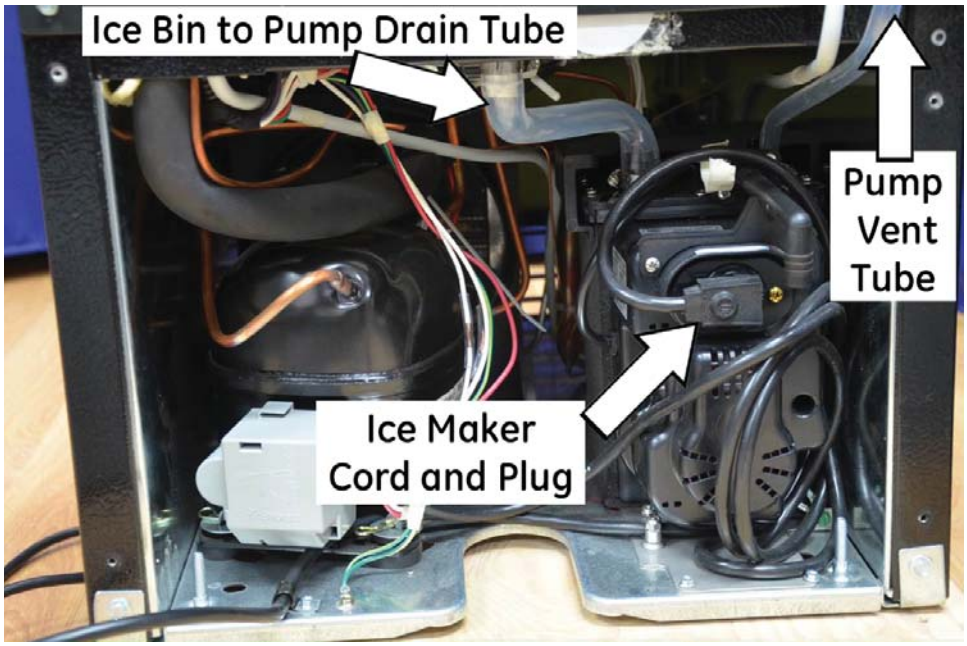
ZPK2 Auxiliary Pump

The ZPK2 Auxiliary Pump is an accessory for icemakers where a gravity drain is not available. Excess water from the icemaker flows into the ZPK2 during normal ice melting or when the unit reservoir pump is activated. The water collects in the ZPK2 pump until water reaches the ZPK2 pump sensing rods, where the minerals cause continuity between the two rods, triggering pump operation. The ZPK2 discharges the water through the outlet and the check valve.

NOTICE
If water level in the ZPK2 continues to rise, due to a slow or blocked drain, or a blocked vent hose, and touches the “overfill” contact, power will be turned off to the ZPK2’s 120 VAC outlet, causing the icemaker to turn off.

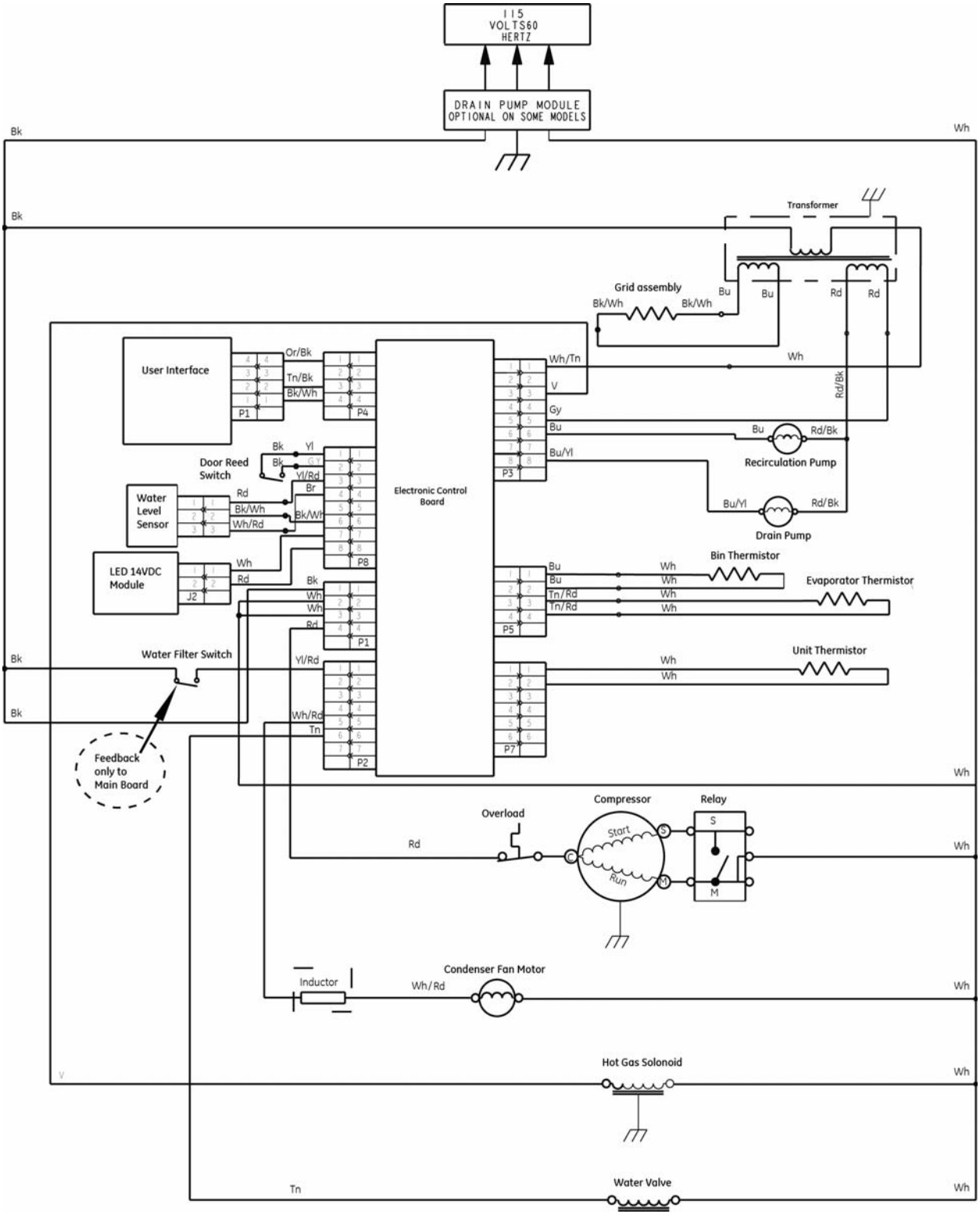
ZPK2 Features

- **Pump Vent Tube**: This vents air out of the pump to the atmosphere.
- **Ice Bin to Pump Drain Tube**: Specially formed tube that is resistant to collapse.
- **Icemaker Plug**: Icemaker plugs into the condensate pump. If the pump is not working, the voltage to the icemaker is interrupted.

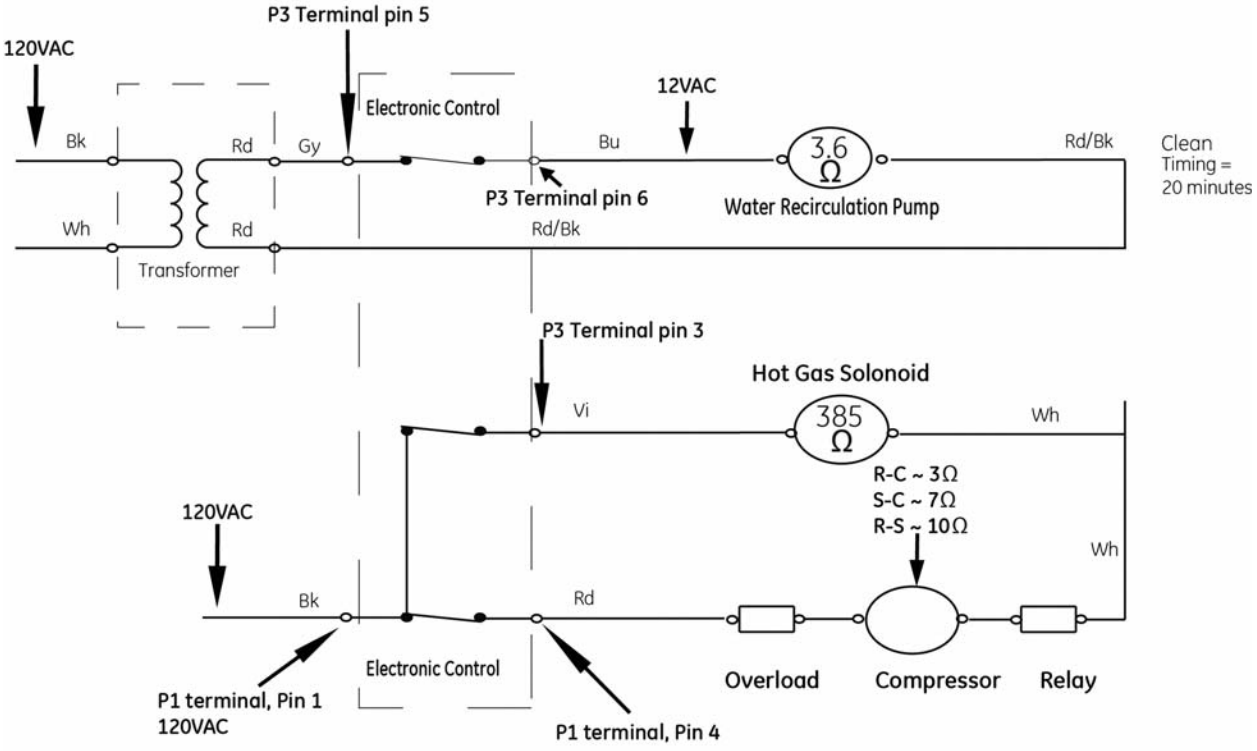


Schematics and Strip Circuits

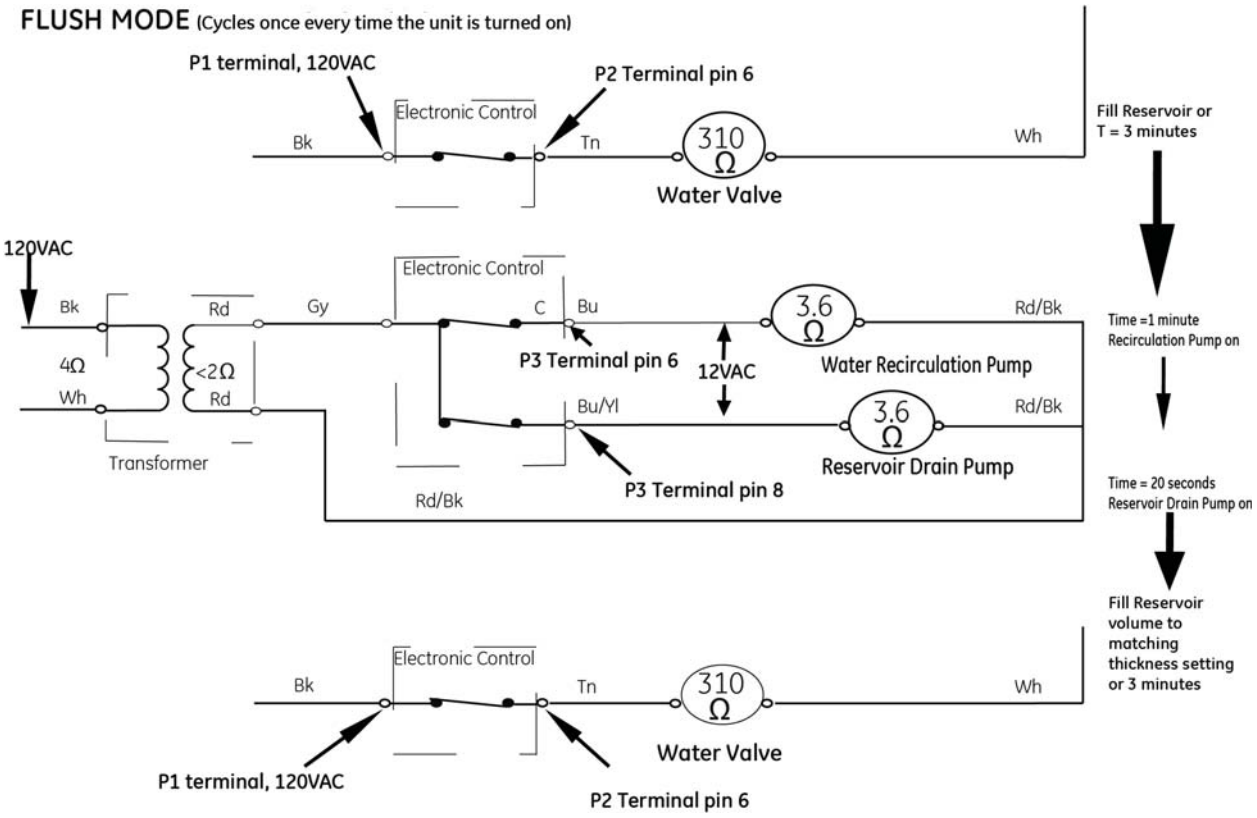
The following individual circuits are for use in diagnoses, and are shown in the ON position. Do not continue with the diagnosis of the icemaker if a fuse is blown, a circuit breaker is tripped, or if there is less than a 120 volt supply at the wall outlet.



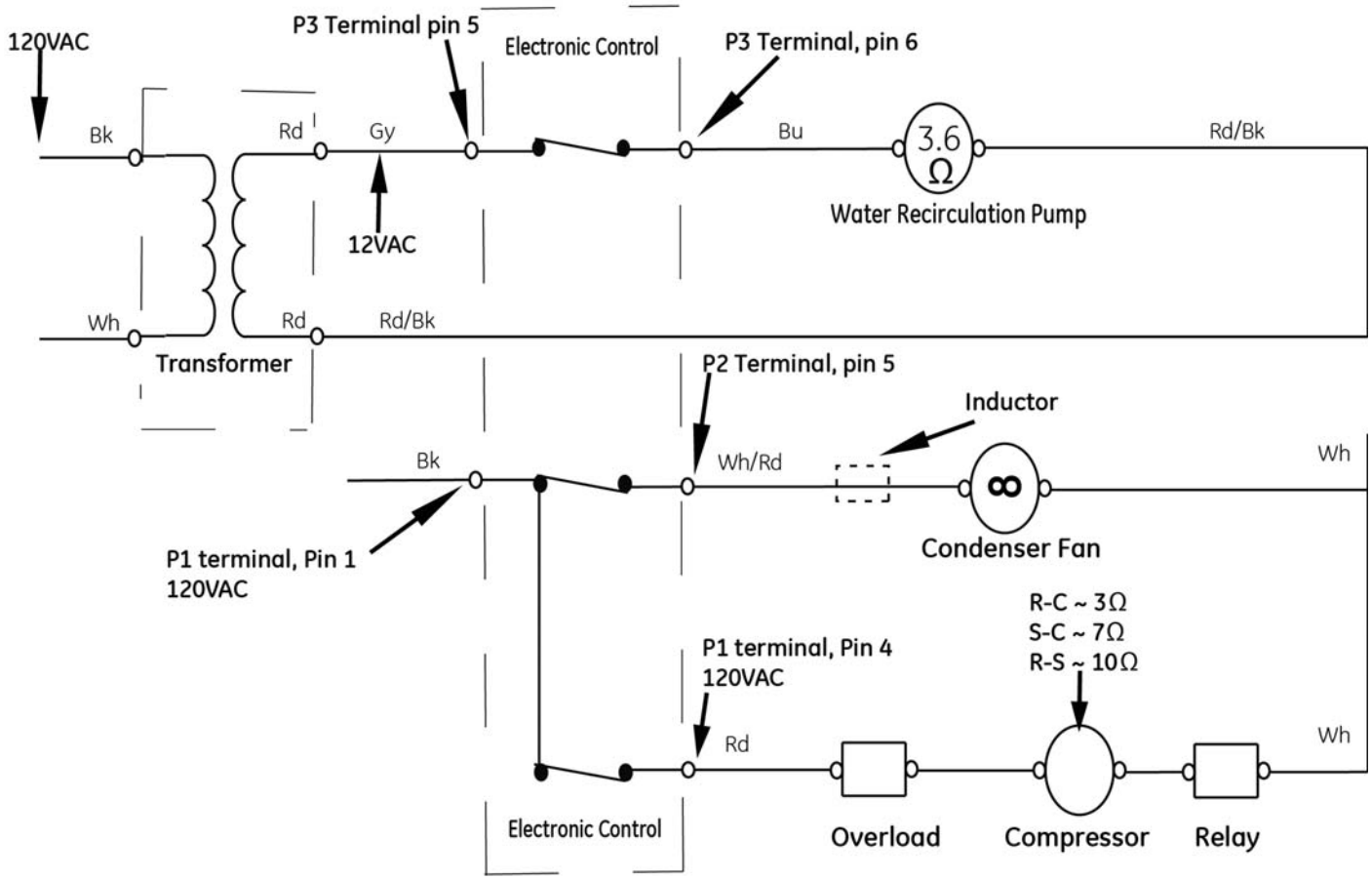
CLEAN MODE



FLUSH MODE (Cycles once every time the unit is turned on)

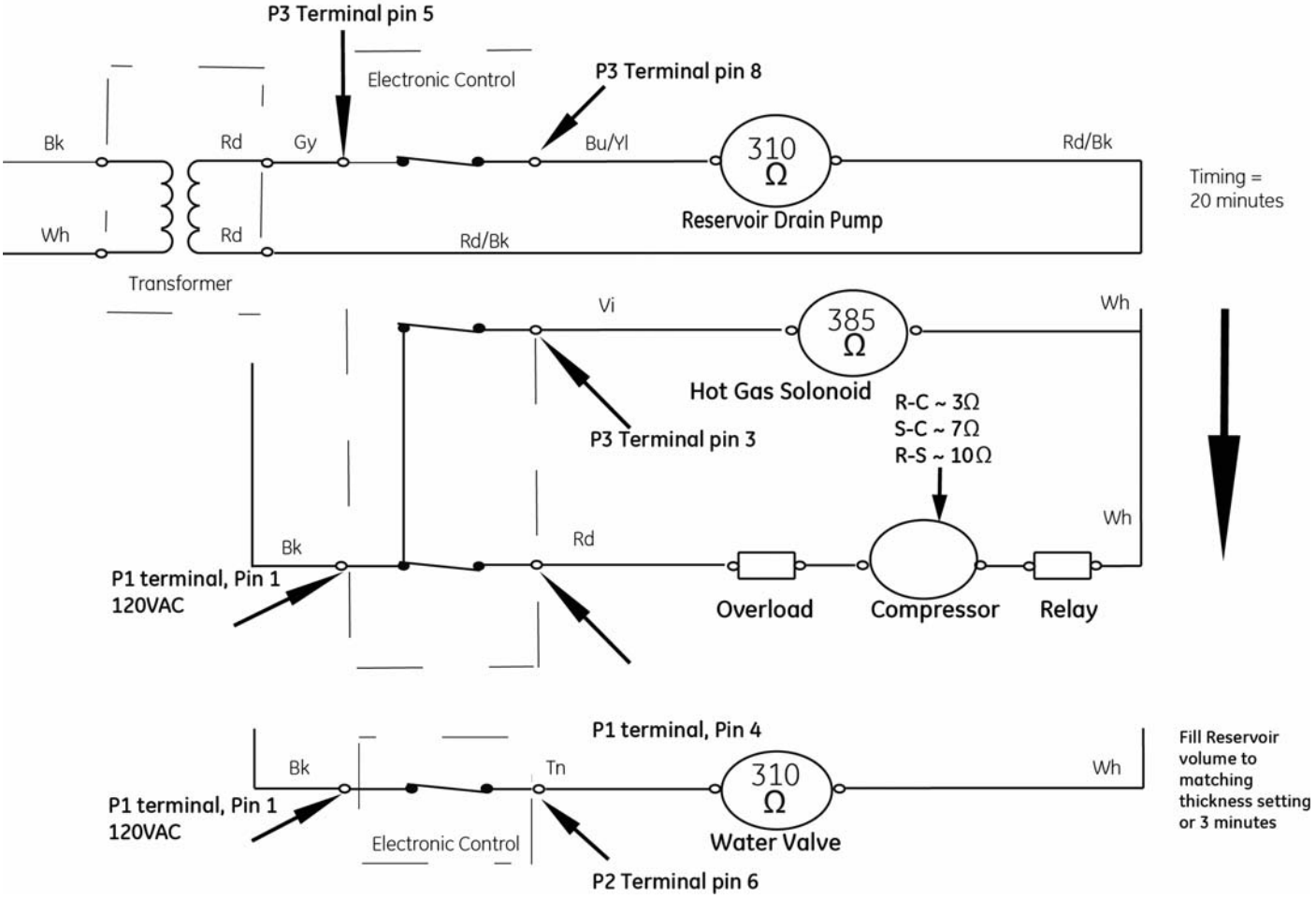


ICE MAKING MODE



	END OF HARVEST MODE	
	TEMPERATURE	RESISTANCE
EVAPORATOR	52°F ± 0.3°F	5.1KΩ ± 1%

HARVEST MODE



Clean Cycle and Filter Timing

The CLEANING NEEDED icon will light after:

- *10k hung slabs, or
- 20k freezing cycles, or
- 2k gallons of water used, or
- 6 months of time (power up time)

The reason for the high hung slab and freeze cycle count is to sync the **CLEANING NEEDED** icon with the **REPLACE FILTER** icon, so that the consumer is replacing the water filter at the same time that the product is being cleaned.

To clean the product, the icemaker is turned off, then the **CLEAN** button can be pressed to enter the clean cycle. When the clean cycle is complete (approximately 40 minutes), the **CLEANING NEEDED** icon will turn off and **CLEANING DONE** icon will light.

Refer to **Clean Cycle and Filter Timing** section or refer to product door for complete instructions on initiating the cleaning cycle.

NOTICE
The Clean and Water Filter icon (WFI) indicators will be reset independently. If the WFI indicators are reset, the clean indicators will not be reset. The clean indicators will only reset when the clean cycle is complete.

When the clean indicators are reset they will not follow WFI indicators until the freeze cycles are greater than or equal to 600.

***HUNG SLAB**: The control assumes a hung slab if the freeze cycle takes less than 5 minutes. Typically a hung slab “frees” itself on its own after one or more additional cycles. There is no special change in operation to recover from a hung slab.

Thermistor Temperature/Resistance Conversion Chart

Temperature (°F)	Resistance (kΩ)	Temperature (°F)	Resistance (kΩ)	Temperature (°F)	Resistance (kΩ)	Temperature (°F)	Resistance (kΩ)
-40	87.825	6.8	18.5026	53.6	4.86351	100.4	1.56868
-38.2	82.5133	8.6	17.5112	55.4	4.63956	102.2	1.50687
-36.4	77.5437	10.4	16.5781	57.2	4.42736	104	1.44781
34.6	72.8738	12.2	15.6992	59	4.22624	105.8	1.39134
-32.8	68.4776	14	14.8712	60.8	4.03555	107.6	1.33736
-31	64.3381	15.8	14.0909	62.6	3.85468	109.4	1.28572
-29.2	60.4433	17.6	13.3552	64.4	3.68306	111.2	1.23633
-27.4	56.7832	19.4	12.6614	66.2	3.52017	113	1.18907
-25.6	53.8434	21.2	12.07	68	3.3655	114.8	1.14385
-23.8	50.1292	23	11.3896	69.8	3.21858	116.6	1.10057
-22	47.1157	24.8	10.8069	71.6	3.07897	118.4	1.05913
-20.2	44.2971	36.6	10.257	73.4	2.94626	120.2	1.01945
-18.4	41.6627	28.4	9.73793	75.2	2.82005	122	0.98146
-16.6	39.2014	30.2	9.24781	77	2.7	123.8	0.94507
- 14.8	36.9021	32	8.78499	78.8	2.58575	125.6	0.91021
- 13	34.754	33.8	8.34787	80.6	2.47669	127.4	0.87681
- 11.2	32.466	35.6	7.93495	82.4	2.37341	129.2	0.8448
- 9.4	30.87	37.4	7.54482	84.2	2.27473	131	0.81412
- 7.6	29.1146	39.2	7.17616	86	2.1807	132.8	0.78472
- 5.8	27.4717	41	6.82771	87.8	2.09106	134.6	0.75653
- 4	25.9331	42.8	6.49828	89.6	2.00558	136.4	0.7295
- 2.2	24.491	44.6	6.18678	91.4	1.92404	138.2	0.70358
- 0.04	23.1384	46.4	5.89216	93.2	1.84623	140	0.67871
1.4	21.869	48.2	5.61342	95	1.77197		
3.2	20.6767	50	5.34964	96.8	1.70107		
5	19.5562	51.8	5.09994	98.6	1.16336		

GE Icemaker Warranty

All warranty service provided by out Factory Service Centers or an authorized Customer Care® technician. To schedule service, visit us on-line at GEAppliances.com, or call 800.GE. CARES (800.432.2737). Please have serial number and model number available when calling for service.

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	***GE Will Replace:***
One Year *From the date of the original purchase*	For the period of one year from the date of the original purchase. GE will provide ***any*** part of the range which fails due to a defect in materials or workmanship. During this ***limited one-year warranty***, GE will also provide ***free of charge***, all labor and in-home service to replace the defective part.

What GE Will Not Cover

- Service trips to your home to teach you how to use the product
- Improper installation, delivery or maintenance
- Replacement of house fuses or resetting of circuit breakers
- Product not accessible to provide required service
- Damage to the product caused by accident, fire, floods or acts of God.
- Failure of the product if it is abused, misused, modified or used for other than the intended purpose or used commercially
- Incidental or consequential damage caused by possible defects with this appliance.
- Cleaning or servicing of the air gap device in the drain line.
- Damage caused after delivery, including damage from items dropped on the door.

EXCLUSION OF IMPLIED WARRANTIES – Your sole and exclusive remedy is product repair as provided in this Limited Warranty. Any implied warranties, including the implied warranties of merchantability or fitness for a particular purpose, are limited to one year or the shortest period allowed by law.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. If the product is located in an area where service by a GE Authorized Servicer is not available, you may be responsible for a trip change or you may be required to bring the product to an Authorized GE Service location for service. Proof of original purchase date is needed to obtain service under the warranty. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. 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, consult your local or state consumer affairs office or your state's Attorney General.

Warrentor: General Electric Company, Louisville, KY 40225