

Troubleshooting Guide

COOLING

Before conducting troubleshooting, make sure that the following basic requirements are met:

Service Flow	0.5 gpm (1.9 lpm)
Water Supply	Potable Water
Water Pressure	20-120 psi (138 - 827 kPa)
Operating Ambient Temperature Limits	33°F - 100°F (0.6 °C - 38 °C)
Electrical Ratings	115 Volts, 60 Hz, AC only, and fused at 15 or 20 amperes.

Problem	Possible Causes	Solutions
Refrigerator and Freezer section are not cooling.	The refrigerator control is set to OFF (some models).	Turn the control ON. Refer to the Setting the Controls section for proper temperature settings.
	Refrigerator is set to demo mode.	Demo Mode allows the lights and control display to work normally while disabling cooling to save energy while on the showroom floor. Refer to the Setting the Controls section for instructions on how to disable Demo Mode.
	Refrigerator is in the defrost cycle.	During the defrost cycle, the temperature of each compartment may raise slightly. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.
	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Refrigerator was recently relocated.	If the refrigerator was stored for a long time or moved on its side, it is necessary for the refrigerator to stand upright for 24 hours before connecting it to power.
	A fuse in your home may be blown or the circuit breaker tripped. Or the appliance is connected to a GFCI (Ground Fault Circuit Interrupter) outlet, and the outlet's circuit breaker has tripped.	Check the main electrical box and replace the fuse or reset the circuit breaker. Do not increase fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician. Reset the circuit breaker on the GFCI. If the problem persists, contact an electrician.

Problem	Possible Causes	Solutions
<p>Cooling System runs too much.</p>	<p>Refrigerator is replacing an older model.</p>	<p>Modern refrigerators require more operating time but use less energy due to more efficient technology.</p>
	<p>Refrigerator was recently plugged in or power restored.</p>	<p>The refrigerator will take up to 24 hours to cool completely.</p>
	<p>Door opened often or a large amount of food / hot food was added.</p>	<p>Adding food and opening the door warms the refrigerator, requiring the compressor to run longer in order to cool the refrigerator back down. In order to conserve energy, try to get everything you need out of the refrigerator at once, keep food organized so it is easy to find, and close the door as soon as the food is removed. (Refer to the Food Storage Guide.)</p>
	<p>Doors are not closed completely.</p>	<p>Firmly push the doors shut. If they will not shut all the way, see the Doors will not close completely or pop open section in Parts & Features Troubleshooting.</p>
	<p>Refrigerator is installed in a hot location.</p>	<p>The compressor will run longer under warm conditions. At normal room temperatures (70°F(21°C)) expect your compressor to run about 40% to 80% of the time. Under warmer conditions, expect it to run even more often. The refrigerator should not be operated above 110°F(43°C).</p>
	<p>Condenser / back cover is clogged.</p>	<p>Use a vacuum cleaner with an attachment to clean the condenser cover and vents. Do not remove the panel covering the condenser coil area.</p>

Problem	Possible Causes	Solutions
Refrigerator or Freezer section is too warm.	Refrigerator was recently installed.	It may take up to 24 hours for each compartment to reach the desired temperature.
	Air vents are blocked.	Rearrange items to allow air to flow throughout the compartment. Refer to the Airflow diagram in the Using Your Refrigerator section.
	Doors are opened often or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.
	Unit is installed in a hot location.	The refrigerator should not be operated in temperatures above 110°F(43°C).
	A large amount of food or hot food was added to either compartment.	Adding food warms the compartment requiring the cooling system to run. Allowing hot food to cool to room temperature before putting it in the refrigerator will reduce this effect.
	Doors not closed correctly.	See the Doors will not close correctly or pop open section in Parts & Features Troubleshooting.
	Temperature control is not set correctly.	If the temperature is too warm, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Defrost cycle has recently completed.	During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 30 minutes and confirm the proper temperature has been restored once the defrost cycle has completed.

Problem	Possible Causes	Solutions
<p>Interior moisture buildup.</p>	<p>Doors are opened often or for long periods of time.</p>	<p>When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. To lessen the effect, reduce the frequency and duration of door openings.</p>
	<p>Doors not closed correctly.</p>	<p>See the Doors will not close correctly section in the Troubleshooting section.</p>
	<p>Weather is humid.</p>	<p>Humid weather allows additional moisture to enter the compartments when the doors are opened leading to condensation or frost. Maintaining a reasonable level of humidity in the home will help to control the amount of moisture that can enter the compartments.</p>
	<p>Defrost cycle recently completed.</p>	<p>During the defrost cycle, the temperature of each compartment may raise slightly and condensation may form on the back wall. Wait 30 minutes and confirm that the proper temperature has been restored once the defrost cycle has completed.</p>
	<p>Food is not packaged correctly.</p>	<p>Food stored uncovered or unwrapped, and damp containers can lead to moisture accumulation within each compartment. Wipe all containers dry and store food in sealed packaging to prevent condensation and frost.</p>

COOLING/ICE & WATER

ENGLISH

Problem	Possible Causes	Solutions
Food is freezing in the refrigerator compartment.	Food with high water content was placed near an air vent.	Rearrange items with high water content away from air vents.
	Refrigerator temperature control is set incorrectly.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
	Refrigerator is installed in a cold location.	When the refrigerator is operated in temperature below 41°F (5°C), food can freeze in the refrigerator compartment. The refrigerator should not be operated in temperature below 55°F (13°C).
Frost or ice crystals form on frozen food (outside of package).	Door is opened frequently or for long periods of time.	When the doors are opened often or for long periods of time, warm, humid air enters the compartment. This raises the temperature and moisture level within the compartment. Increased moisture will lead to frost and condensation. To lessen the effect, reduce the frequency and duration of door openings.
	Door is not closing properly.	Refer to the Doors will not close correctly or pop open section in the Troubleshooting section.
Refrigerator or Freezer section is too cold.	Incorrect temperature control settings.	If the temperature is too cold, adjust the control one increment at a time and wait for the temperature to stabilize. Refer to the Setting the Controls section for more information.
Frost or ice crystals on frozen food (inside of sealed package).	Condensation from food with a high water content has frozen inside of the food package.	This is normal for food items with a high water content.
	Food has been left in the freezer for a long period of time.	Do not store food items with high water content in the freezer for a long period of time.

Problem	Possible Causes	Solutions
<p>Icemaker is not making enough ice.</p>	<p>Demand exceeds ice storage capacity.</p>	<p>The icemaker will produce approximately 100 cubes in a 24 hour period.</p>
	<p>House water supply is not connected, valve is not turned on fully, or valve is clogged.</p>	<p>Connect the refrigerator to a cold water supply with adequate pressure and turn the water shutoff valve fully open.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	<p>Water filter has been exhausted.</p>	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • Approximately every six months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	<p>Low house water supply pressure.</p>	<p>The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	<p>Reverse Osmosis filtration system is used.</p>	<p>Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to Water Pressure section.)</p>
	<p>Tubing connecting refrigerator to house supply valve is kinked.</p>	<p>The tubing can kink when the refrigerator is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.</p>

ICE & WATER

ENGLISH

Problem	Possible Causes	Solutions
<p>Icemaker is not making enough ice (continued).</p>	<p>Doors are opened often or for long periods of time.</p>	<p>If the doors of the unit are opened often, ambient air will warm the refrigerator which will prevent the unit from maintaining the set temperature. Lowering the refrigerator temperature can help, as well as not opening the doors as frequently.</p>
	<p>Doors are not closed completely.</p>	<p>If the doors are not properly closed, ice production will be affected. See the Doors will not close completely or pop open section in Parts & Features Troubleshooting for more information.</p>
	<p>The temperature setting for the freezer is too warm.</p>	<p>The recommended temperature for the freezer compartment for normal ice production is 0°F(-18°C). If the freezer temperature is warmer, ice production will be affected.</p>
<p>Dispensing water slowly.</p>	<p>Water filter has been exhausted.</p>	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • Approximately every six months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	<p>Reverse osmosis filtration system is used.</p>	<p>Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>
	<p>Low house water supply pressure.</p>	<p>The water pressure must be between 20 and 120 psi on models without a water filter and between 40 and 120 psi on models with a water filter.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>

Problem	Possible Causes	Solutions
<p>Not dispensing ice.</p>	<p>Unable to hear the sound of ice coming out?</p>	<p>In the control panel, select the modes for cubed ice and crushed ice alternately to dispense the ice.</p>
	<p>Doors are not closed completely.</p>	<p>Ice will not dispense if any of the refrigerator doors are left open.</p>
	<p>Infrequent use of the dispenser.</p>	<p>Infrequent use of the ice dispenser will cause the cubes to stick together over time, which will prevent them from properly dispensing. Check the ice bin for ice cubes clumping/sticking together. If they are, break up the ice cubes to allow for proper operation.</p>
	<p>The delivery chute is clogged with frost or ice fragments.</p>	<p>Eliminate the frost or ice fragments by removing the ice bin and clearing the chute with a plastic utensil. Dispensing cubed ice can also help prevent frost or ice fragment buildup.</p>
	<p>The dispenser display is locked.</p>	<p>Press and hold the Lock button for three seconds to unlock the control panel and dispenser.</p>
	<p>Ice bin is empty.</p>	<p>It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice. Make sure that the shutoff (arm/sensor) is not obstructed.</p> <p>Once the ice supply in the bin has been completely exhausted, it may take up to 90 minutes before additional ice is available, and approximately 24 hours to completely refill the bin.</p>

Problem	Possible Causes	Solutions
<p>Icemaker is not making ice.</p>	<p>Refrigerator was recently installed or icemaker recently connected.</p>	<p>It may take up to 24 hours for each compartment to reach the desired temperature and for the icemaker to begin making ice.</p>
	<p>Icemaker not turned on.</p>	<p>Locate the icemaker on/off switch and confirm that it is in the ON (I) position.</p>
	<p>The ice detecting sensor is obstructed.</p>	<p>Foreign substances or frost on the ice-detecting sensor can interrupt ice production. Make sure that the sensor area is clean at all times for proper operation.</p>
	<p>The refrigerator is not connected to a water supply or the supply shutoff valve is not turned on.</p>	<p>Connect refrigerator to the water supply and turn the water shutoff valve fully open.</p>
	<p>Icemaker shutoff (arm or sensor) obstructed.</p>	<p>If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors.</p>
	<p>Reverse osmosis water filtration system is connected to your cold water supply.</p>	<p>Reverse osmosis filtration systems can reduce the water pressure below the minimum amount and result in icemaker issues. (Refer to the Water Pressure section.)</p>

Problem	Possible Causes	Solutions
<p>Not dispensing water.</p>	<p>New installation or water line recently connected.</p>	<p>Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.</p>
	<p>The dispenser panel is locked.</p>	<p>Press and hold the Lock button for three seconds to unlock the control panel and dispenser.</p>
	<p>The dispenser is not set for water dispensing.</p>	<p>The dispenser can be set for ice or water. Make certain that the control panel is set for the proper operation. Press the Water button on the control panel to dispense water.</p>
	<p>Refrigerator or freezer doors are not closed properly.</p>	<p>Water will not dispense if any of the refrigerator doors are left open.</p>
	<p>Water filter has been recently removed or replaced.</p>	<p>After the water filter is replaced, dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.</p>
	<p>Tubing connecting refrigerator to house supply valve is kinked.</p>	<p>The tubing can kink when the refrigerator is moved during installation or cleaning resulting in reduced water flow. Straighten or repair the water supply line and arrange it to prevent future kinks.</p>
	<p>The house water supply is not connected, the valve is not turned on fully, or the valve is clogged.</p>	<p>Connect refrigerator to the water supply and turn the water shutoff valve fully open.</p> <p>If the problem persists, it may be necessary to contact a plumber.</p>

Problem	Possible Causes	Solutions
Ice has bad taste or odor.	Water supply contains minerals such as sulfur.	A water filter may need to be installed to eliminate taste and odor problems. NOTE: In some cases, a filter may not help. It may not be possible to remove all minerals / odor / taste in all water supplies.
	Icemaker was recently installed.	Discard the first few batches of ice to avoid discolored or bad tasting ice.
	Ice has been stored for too long.	Ice that has been stored for too long will shrink, become cloudy, and may develop a stale taste. Throw away old ice and make a new supply.
	The food has not been stored properly in either compartment.	Rewrap the food. Odors may migrate to the ice if food is not wrapped properly.
	The interior of the refrigerator needs to be cleaned.	See the Care and Cleaning section for more information.
	The ice storage bin needs to be cleaned.	Empty and wash the bin (discard old cubes). Make sure that the bin is completely dry before reinstalling it.
Dispensing warm water.	Refrigerator was recently installed.	Allow 24 hours after installation for the water storage tank to cool completely.
	The water dispenser has been used recently and the storage tank was exhausted.	Depending on your specific model, the water storage capacity will range from approximately 20 to 30 oz.
	Dispenser has not been used for several hours.	If the dispenser has not been used for several hours, the first glass dispensed may be warm. Discard the first 10 oz.
	Refrigerator is connected to the hot water supply.	Make sure that the refrigerator is connected to a cold water pipe. WARNING: Connecting the refrigerator to a hot water line may damage the icemaker.

Problem	Possible Causes	Solutions
<p>Water has bad taste or odor.</p>	<p>Water supply contains minerals such as sulfur.</p>	<p>A water filter may need to be installed to eliminate taste and odor problems.</p>
	<p>Water filter has been exhausted.</p>	<p>It is recommended that you replace the water filter:</p> <ul style="list-style-type: none"> • Approximately every 6 months. • When the water filter indicator turns on. • When the water dispenser output decreases. • When the ice cubes are smaller than normal.
	<p>Refrigerator was recently installed.</p>	<p>Dispense 2.5 gallons of water (flush for approximately 5 minutes) to remove trapped air and contaminants from the system. Do not dispense the entire 2.5 gallon amount continuously. Depress and release the dispenser pad for cycles of 30 seconds ON and 60 seconds OFF.</p>
<p>Icemaker is making too much ice.</p>	<p>Icemaker shutoff (arm/sensor) is obstructed.</p>	<p>Empty the ice bin. If your icemaker is equipped with an ice shutoff arm, make sure that the arm moves freely. If your icemaker is equipped with the electronic ice shutoff sensor, make sure that there is a clear path between the two sensors. Reinstall the ice bin and wait 24 hours to confirm proper operation.</p>

NOISE

Problem	Possible Causes	Solutions
Clicking	The defrost control will click when the automatic defrost cycle begins and ends. The thermostat control (or refrigerator control on some models) will also click when cycling on and off.	Normal Operation
Rattling	Rattling noises may come from the flow of refrigerant, the water line on the back of the unit, or items stored on top of or around the refrigerator.	Normal Operation
	Refrigerator is not resting solidly on the floor.	Floor is weak or uneven or leveling legs need to be adjusted. See the Door Alignment section.
	Refrigerator with linear compressor was jarred while running.	Normal Operation
Whooshing	Evaporator fan motor is circulating air through the refrigerator and freezer compartments.	Normal Operation
	Air is being forced over the condenser by the condenser fan.	Normal Operation
Gurgling	Refrigerant flowing through the cooling system.	Normal Operation
Popping	Contraction and expansion of the inside walls due to changes in temperature.	Normal Operation
Sizzling	Water dripping on the defrost heater during a defrost cycle.	Normal Operation

Problem	Possible Causes	Solutions
Vibrating	If the side or back of the refrigerator is touching a cabinet or wall, some of the normal vibrations may make an audible sound.	To eliminate the noise, make sure that the sides and back cannot vibrate against any wall or cabinet.
Refrigerator vibrates after you close the door.	Door is closing too hard due to damaged hinges.	Solution: Please contact the service center.
	Compressor is vibrating.	The compressor is vibrating because the door is being closed too hard.
Dripping	Water running into the drain pan during the defrost cycle.	Normal Operation
Pulsating or High-Pitched Sound	Your refrigerator is designed to run more efficiently to keep your food items at the desired temperature. The high efficiency compressor may cause your new refrigerator to run longer than your old one, but it is still more energy efficient than previous models. While the refrigerator is running, it is normal to hear a pulsating or high-pitched sound.	Normal Operation

 PARTS & FEATURES

Problem	Possible Causes	Solutions
Doors will not close correctly or pop open.	Food packages are blocking the door open.	Rearrange food containers to clear the door and door shelves.
	Ice bin, crisper cover, pans, shelves, door bins, or baskets are out of position.	Push bins all the way in and put crisper cover, pans, shelves and baskets into their correct positions. See the Using Your Refrigerator section for more information.
	The doors were removed during product installation and not properly replaced.	Remove and replace the doors according to the Removing and Replacing Refrigerator Handles and Doors section.
	Refrigerator is not leveled properly.	See Door Alignment in the Refrigeration Installation section to level refrigerator.
	The door hinges are damaged.	Please contact to the service center.
Doors are difficult to open.	The gaskets are dirty or sticky.	Clean the gaskets and the surfaces that they touch. Rub a thin coat of appliance polish or kitchen wax on the gaskets after cleaning.
	Door was recently closed.	When you open the door, warmer air enters the refrigerator. As the warm air cools, it can create a vacuum. If the door is hard to open, wait one minute to allow the air pressure to equalize, then see if it opens more easily.
Refrigerator wobbles or seems unstable.	Leveling legs are not adjusted properly.	Refer to the Leveling and Door Alignment section.
	Floor is not level.	It may be necessary to add shims under the leveling legs or rollers to complete installation.
Refrigerator lights do not work.	The refrigerator compartment lamp is LED interior lighting, and service should be performed by a qualified technician.	Refer to the Light Bulb Replacement section.
Freezer lights do not work.	The freezer compartment light bulb may need to be changed.	Refer to the Light Bulb Replacement section.

Before Calling for Service

The following occurrences are normal.

	Occurrence	Solution
Noise	Ticking or clicking sound	This is the sound of various parts expanding/contracting or various control devices operating depending on the temperature change within the refrigerator.
	Whirring or motor sound	This is the sound of compressor or fan operating when the operation of the refrigerator is starting or ending. This is similar to the sound generated when starting or turning off the engine of a car.
	Sound of water flowing	This is the sound of refrigerant changing its state from liquid to gas or vice versa.
	Whooshing sound when opening or closing door	This is the sound generated when the internal pressure is temporarily lowered when the warm air entered through the refrigerator or freezer is cooled fast.
	Vibrating sound	If the refrigerator is installed on a wooden floor or next to a wooden wall, or if the refrigerator is not leveled properly, the sound can be loud from the vibration.
	Loud sound after first installing	When you operate the refrigerator for the first time, the refrigerator will operate at high speed to cool quickly and the sound can seem louder. When the internal temperature falls below a certain level, the noise will subside.
Door open	Door bounces open slightly after being closed	Depending on the force or speed of closing the refrigerator or freezer door, the door can be bumped open from the pressure. Be careful not to close the door too hard.
Icing/ Condensation	Icing or condensation formed on the inner or outer side of the refrigerator	When external air flows into the cool inner surface of the refrigerator, icing/condensation can be formed. This will happen more easily when you open and close the refrigerator door more frequently. Also, if the humidity of the installed location is high or during the rainy season or on a rainy day, condensation can form on the outer side of the refrigerator. This is a natural phenomenon that occurs during the humid weather. Wipe the water drops with a dry cloth.
Temperature	The front of the refrigerator is warm	Heat pipes are installed around the front part of the refrigerator and on the divider of the freezer and refrigerator to prevent the condensation from forming. The refrigerator may feel warmer just after installation or during the hot summer, but this is not a problem.