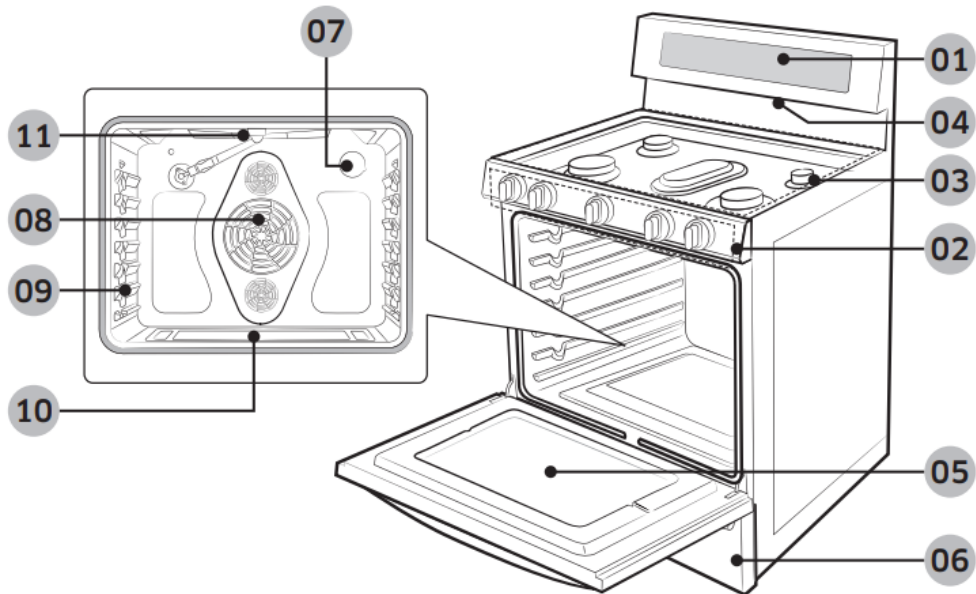


Overview

Layout



01. Display

02. Surface burner knobs (5 pcs)

03. Surface burners

04. Oven vent

05. Removable oven door

06. Drawer

07. Oven light *

08. Convection fan/ Convection heater

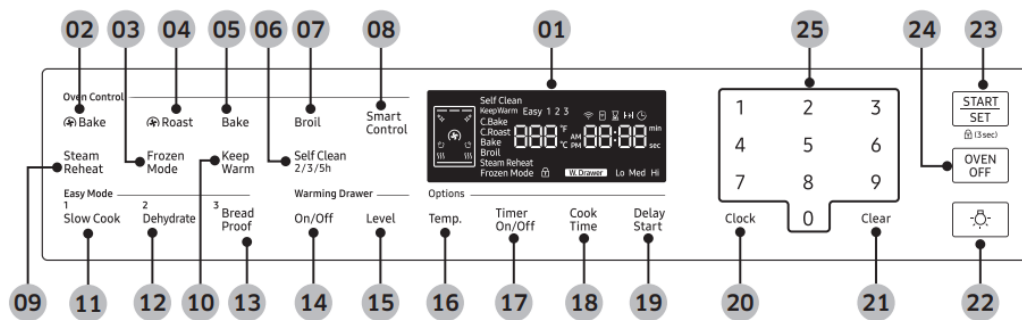
09. Oven rack system

10. Bake oven burner

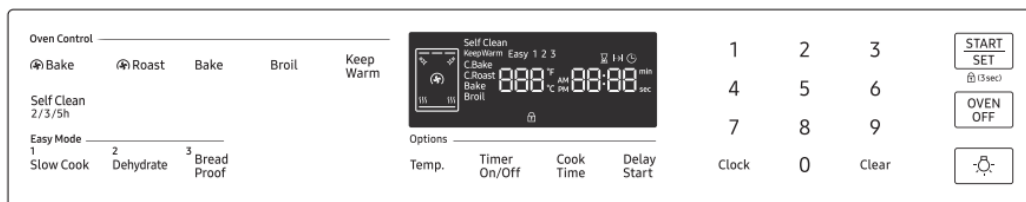
11. Broil oven burner

Control panel

NX58M6650W*



NX58M6630S*



01. Display: Shows the time of day, oven temperature, whether the oven is in the bake, broil, or self-cleaning mode, and the time set for timer or automatic oven operations.

- ✨ : When you use the self-cleaning feature, this icon appears in the display.
-))) : When the oven is pre-heating, this icon appears in the display

02.  Bake (Convection Bake): Activates convection baking.

03. Frozen Mode: Activates the cooking mode for frozen foods. (NX58M6650W* only)



04.  Roast (Convection Roast): Activates convection roasting.

05. Bake: Activates standard baking.

06. Self Clean: Burn off food residues in the oven using very high temperatures.

07. Broil: Activates the broiler.

08. Smart Control: Activates the Easy-connection. (NX58M6650W* only)

-  : When you use the Easy connection, this icon appears in the display.
-  : When the oven is connected to Wifi, this icon appears in the display.

09. Steam Reheat: Activates the steam reheating feature. (NX58M6650W* only)

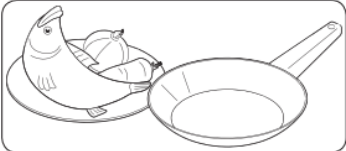

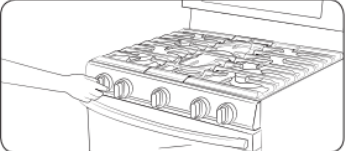
10. Keep Warm: Keep cooked food warm at lower temperatures.

11. Slow Cook: Activates Slow Cook which cooks food slowly at lower temperatures.

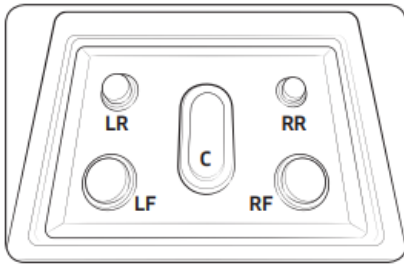
12. Dehydrate: Activates the Dehydrate function.

- 13. Bread Proof:** Activates the Bread proof function.
- 14. On/Off:** Turn on or turn off the warming drawer. (NX58M6650W* only)
- 15. Level:** Determine warming temperature level. (NX58M6650W* only)
- 16. Temp.:** Change cooking temperature of the oven.
- 17. Timer On/Off:** Activates or deactivates the timer.
- 18. Cook Time:** Set the cooking time.
- 19. Delay Start:** Set the oven to start at a certain time.
- 20. Clock:** Set the clock time.
- 21. Clear:** Clear the numbers just inputted.
- 22. Oven Light:** Turn on/Turn off the oven light.
- 23. START/SET:** Start a function or set the time.
 - (3sec): Press and hold for 3 seconds to lock the control panel and the door to prevent accidents.
- 24. OVEN OFF:** Cancel oven operation.
- 25. Numbers:** Use to set the times, temperature, or presets.

Gas range

	<p>STEP 1; Put all ingredients into a cooking container (pan, pot, etc).</p>
	<p>STEP 2; Place the container on a surface burner.</p>
	<p>STEP 3; Ignite the surface burner.</p>

Gas burners



Each burner has a corresponding knob that lets you to set the flame level from LO to HI. In addition, each burner knob has a Lite setting. Turning a knob to Lite ignites the corresponding burner. The burner indicators are located above each knob and show which burner the knob controls. Each burner is designed for specific cooking purposes. See the table below.

Position	Purpose	Food type	Characteristics
Right Front (RF) 20,000 BTU ¹ 18,000 BTU ²	Power heating	Boiling food	Maximum output
Right Rear (RR) 5,000 BTU	Low simmering	Chocolate, casseroles, sauces	Delicate food that requires low heat for a long time
Center (C) 10,000 BTU	Grilling/Griddling	Pancakes, hamburgers, fried eggs, hot sandwiches	General-purpose cooking
Left Front (LF) 15,000 BTU ¹ 16,000 BTU ²	Quick heating	General	General-purpose cooking
Left Rear (LR) 9,500 BTU	General heating/ Low simmering	General food, casseroles, tomato sauce*	General-purpose cooking

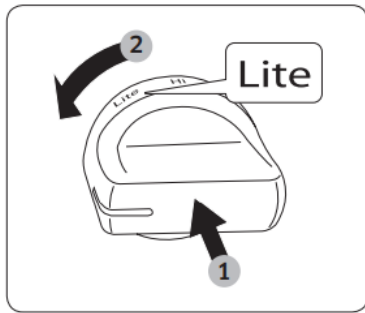
¹ NX58M6650W*

² NX58M6630S*

* Tomato sauce needs to be stirred while it is simmering

Ignition

Make sure all surface burners are properly installed. To light a burner:



1. Push in the control knob, and then turn it to the Lite position. You will hear a "clicking" sound indicating the electronic ignition system is working properly.
2. After the surface burner lights, turn the control knob to shift it out of the Lite position and turn off the electronic ignition system.
3. Turn the control knob to adjust the flame level.

Maintenance

Cleaning

Control panel

First, lock the control panel and the door to prevent accidental operations and/or product tipping.

1. Press and hold the START/SET pad for 3 seconds to lock both the control panel and the door.
2. Clean the control panel using a soft cloth dampened with plain water, warm soapy water, or glass cleaner. Do not spray cleansers directly onto the control panel.
3. When done, press and hold the START/SET pad again for 3 seconds.

Stainless steel surface

1. Remove any spills, spots, and grease stains using a soft, wet cloth.
2. Apply an approved stainless steel cleanser to a cloth or paper towel.
3. Clean one small area at a time, rubbing with the grain of the stainless steel if applicable.
4. When done, dry the surface using a soft, dry cloth.
5. Repeat steps 2 through 4 as many times as necessary

Racks

To keep the racks clean, remove them from the cavity, and soak them in lukewarm, soapy water. Then, scour impurities off of the racks using a plastic scouring pad. If the racks do not slide in and out smoothly after you have cleaned them, rub the side rail guides with wax paper or a cloth containing a few drops of cooking oil. This will help the racks glide more easily on their tracks.

Door

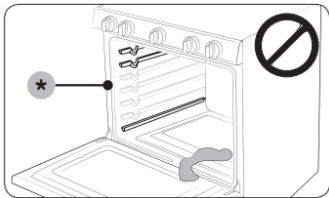
Do not remove the inner gasket of the oven door for cleaning.

Inner side

- Inner surface: Clean the inner side of the door manually using a soapy plastic scouring pad, and then wipe with a dry cloth. Take care not to get the gasket wet or allow moisture into the door.
- Inner glass: The inner glass is cleaned automatically during the self-cleaning cycle.

Outer side

- Outer surface: Follow the cleaning instructions for stainless steel surfaces in the previous section.
- Outer glass: Clean the outer glass using a glass cleanser or soapy water. Rinse and dry thoroughly. Take care not to get the gasket wet or allow moisture into the door.



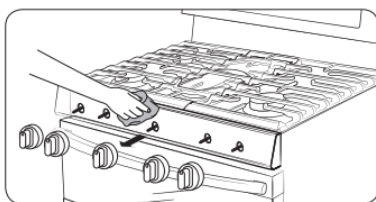
CAUTION

- Do not let moisture enter the door or contact the door gasket (*). Moisture may reduce the gasket's performance.
- Do not let moisture or water enter the burners, electrical controls, or switches.

Surface burners

Burner controls

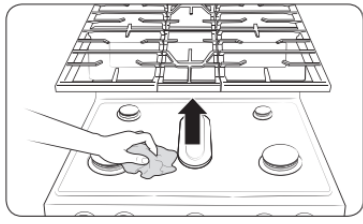
Make sure all surface burner knobs are in the OFF position



1. Pull the knobs off the control valve stems as shown.
2. Clean the knobs in warm, soapy water. Then, rinse and dry them thoroughly.
3. Clean the stainless steel surfaces using stainless steel cleaner.
4. Push the knobs back onto the control valve stems.

Cooktop surface

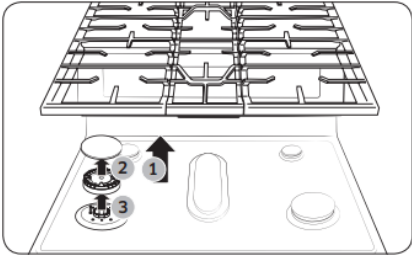
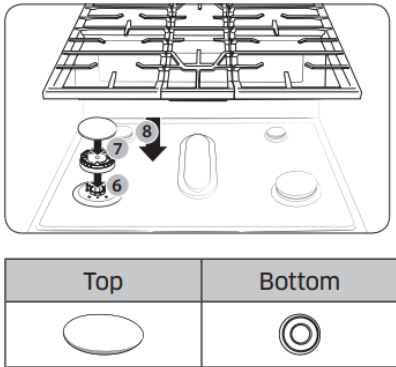






The porcelain-enameled cooktop surface needs to be kept clean. We recommend that you remove food spills immediately after they take place.



1. Turn off all surface burners.
2. Wait until all burner grates cool down, and then remove them.
3. Clean the cooktop surface using a soft cloth. If food spills run into the gaps of the burner components, remove the burner cap and the head, and then wipe up the spills.
4. When cleaning is finished, re-install the burner components, and then put the burner grates into position.

Burner grates and components

Turn off all surface burners, and make sure they have all cooled down.

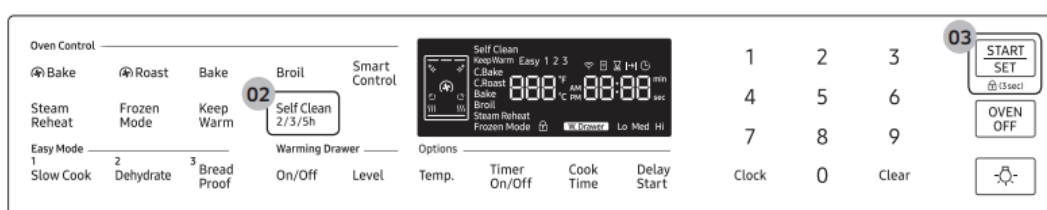
	<ol style="list-style-type: none"> 1. Remove the burner grates. 2. Remove the burner caps from the burner heads. 3. Remove the burner heads from the valve manifolds to reveal the starter electrodes. 4. Clean all removable grates and burner components in warm, soapy water. Do not use steel-wool pads or abrasive cleaners. 				
	<ol style="list-style-type: none"> 5. Rinse and dry grates and burner components thoroughly 				
 <table border="1" data-bbox="352 1052 746 1162"> <tr> <td>Top</td> <td>Bottom</td> </tr> <tr> <td></td> <td></td> </tr> </table>	Top	Bottom			<ol style="list-style-type: none"> 6. Return the burner heads to their positions on top of the manifold valves. Make sure a starter electrode is inserted through the hole in each burner head. 7. Return the burner caps to their positions on top of burner heads. To ensure proper and safe operation, make sure the burner caps lie flat on top of the burner heads. 8. Re-install the burner grates in their respective positions. 9. Turn on each burner and check if it operates properly. After verifying that a burner operates normally, turn it off.
Top	Bottom				
					

Self-cleaning

This self-cleaning oven uses high temperatures (well above cooking temperatures) to burn off leftover grease and residue completely or reduce them to a finely powdered ash that you can wipe away with a damp cloth.

How to run a self-cleaning cycle

Make sure the door lock is released. Remove all racks from the oven cavity.

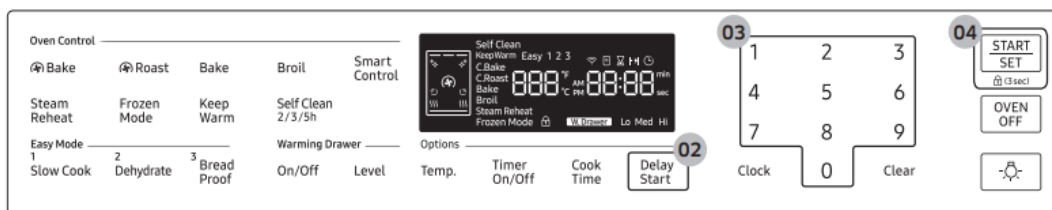


1. Make sure the oven door is unlocked and closed completely.
2. Press the Self Clean pad once. Then, select the cleaning time by pressing the Self Clean pad one or more times in accordance with the table below.

Once	Twice	Three times
3 hour	5 hour	2 hour

3. Press the START/SET pad. The oven door is locked and the oven begins to heat up.
4. When the cycle is complete, the oven beeps 6 times. The door will remain locked and the Lock icon will blink until the oven temperature falls below 400 °F (204 °C).
5. When the Lock icon changes to an open lock, you can open the oven door. The Lock icon changes to an open lock when the oven temperature drops below 400 °F (204 °C).
6. Press the OVEN OFF pad to display the time of day.

To delay starting the self-cleaning cycle



1. Repeat steps 1 and 2 on the previous page.
2. Press the Delay Start pad. The oven door locks.
3. Set the time you want the oven to start self-cleaning using the number pad.
4. Press the START/SET pad. The oven will start self-cleaning at your specified time.

To cancel the self-cleaning cycle

You may find it necessary to stop or interrupt a self-cleaning cycle due to smoke in the oven. To turn off the self-cleaning cycle, press the OVEN OFF pad. The cycle turns off, but the door remains locked and the Lock icon blinks until the oven temperature falls below 400 °F (204 °C).

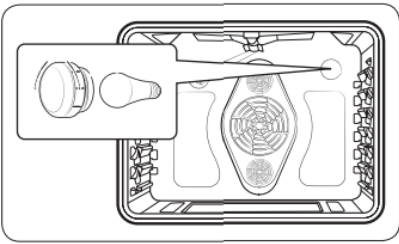
After self-cleaning

- The door stays locked until the internal oven temperature falls below 400 °F.
- When the oven has cooled down, wipe the oven surfaces with a cloth to remove ash residue.
- Stubborn stains can be removed using a steel-wool pad. Lime deposits can be removed using a vinegar-soaking cloth.

- If you are not satisfied with the cleaning results, repeat the cycle. "HOT" appears on the display until the oven cools down. Wait until the message disappears, and then start a new cycle.
- The cooling fan automatically runs for certain amount of time after self-cleaning.
- Self-cleaning does not operate within 2 hours after running the self-cleaning cycle.

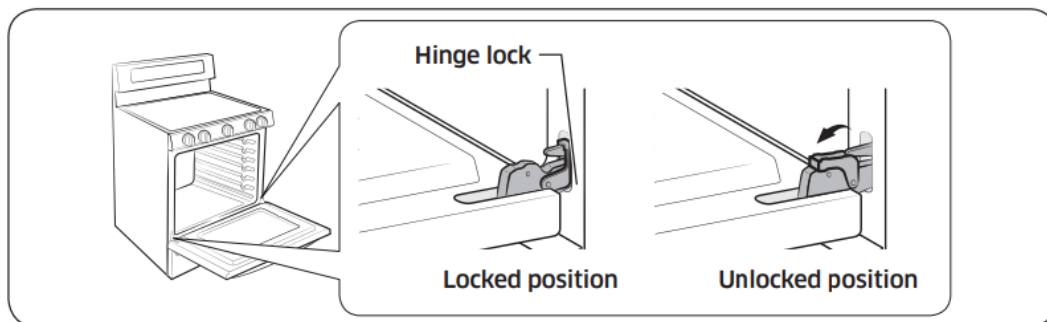
Replacing the Oven Light

The oven light is a standard 40-watt appliance bulb. It comes on when you open the oven door.

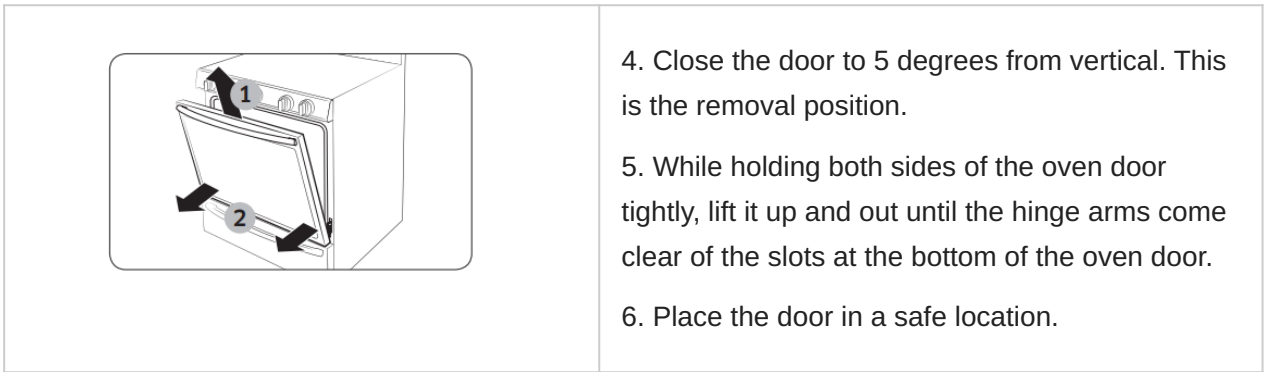
	<ol style="list-style-type: none"> 1. Turn off the oven. 2. Make sure the oven and oven light are cool. 3. Open the door, and remove the glass cover by turning it counterclockwise. 4. Remove the oven light from the socket by turning it counterclockwise. 5. Insert a new 40-watt appliance bulb into the socket, and then turn it clockwise to tighten. 6. Reinsert the glass cover, and then turn it clockwise to tighten.
---	--

Oven Door: Remove and Re-Install

To remove the oven door

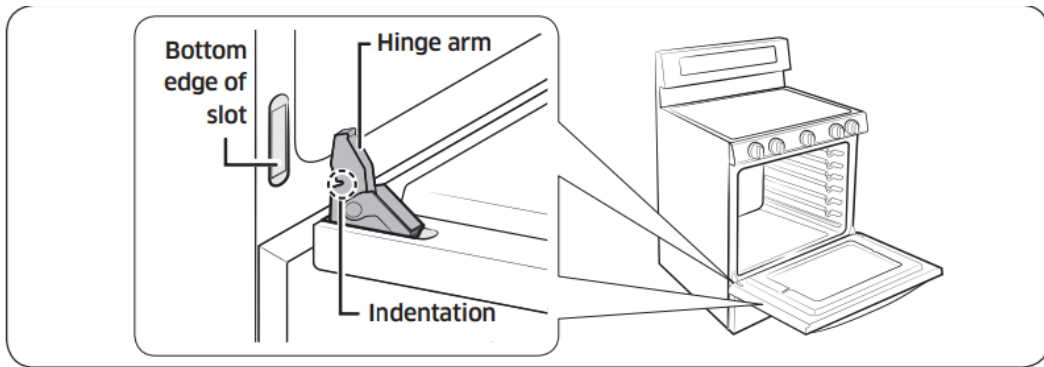


1. Turn off the oven.
2. Fully open the oven door.
3. Pull the hinge locks away from the oven body and down toward the door frame into the unlocked position.

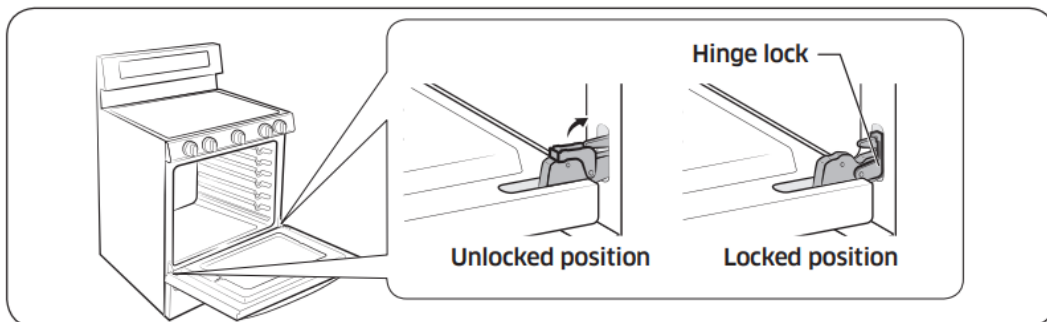


To re-install the oven door

1. Firmly grasp both sides of the door at the top.
2. With the door at the same angle as the removal position, slide the indentation of the hinge arm into the bottom edge of the hinge slot. The notch in the hinge arm must be fully inserted into the bottom of the slot.



3. Open the door fully. If the door will not open fully, the indentation is not inserted correctly in the bottom edge of the slot.
4. Push the hinge locks up against the front frame of the oven cavity into the locked position.

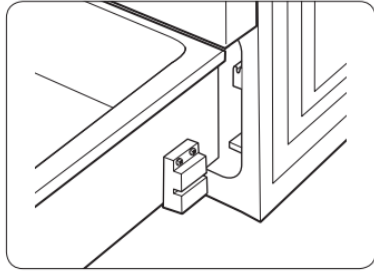


5. Close the oven door.

Warming / Storage drawer

Storage drawer (NX58M6630S* Only)





1. Slide open the drawer until it stops.
2. Pull the drawer with lifting it for removal.
3. Clean the drawer in warm, soapy water using a cloth or soft brush. Then, rinse and dry it thoroughly.
4. Push in the drawer while slightly lifting the front to close it.

Troubleshooting

If you encounter a problem with the range, check the tables starting below, and then try the suggested actions.

Checkpoints

Gas safety

Problem	Possible cause	Action
You smell gas.	The surface burner knob is not in the OFF position and the burner is not lit.	Turn the burner knob to OFF.
	There is a gas leak.	<p>Clear the room, building, or area of all occupants.</p> <p>Immediately call your gas supplier from a neighbor's phone. Do not call from your phone. It is electrical and could cause a spark that could ignite the gas. Follow the gas supplier's instructions.</p> <p>If you cannot reach your gas supplier, call the fire department.</p>

Surface burner



Problem	Possible cause	Action
All burners do not light.	The power cord is not plugged into the electrical outlet.	Make sure the electrical plug is plugged into a live, properly grounded outlet.
	A fuse in your home may be blown or the circuit breaker tripped.	Replace the fuse or reset the circuit breaker.
	The gas supply is not properly connected or turned on.	See the Installation Instructions that came with your range.



The surface burners do not light.	The control knob is not set properly.	Push in the control knob and turn it to the Lite position.
	The burner caps are not in place. The burner base is misaligned.	Clean the electrodes. Put the burner cap on the burner head. Align the burner base.
A surface burner clicks during operation.	The control knob has been left in the Lite position.	After the burner lights, turn the control knob to a desired setting. If the burner still clicks, contact a service technician.
The burners do not burn evenly.	The surface burner components and caps are not assembled correctly and level.	See page 39.
	The surface burners are dirty.	Clean surface burner components. (See page 39.)
Very large or yellow surface burner flames.	The wrong burner orifice is installed.	Check the burner orifice size. Contact your installer if you have the wrong orifice (LP gas instead of natural gas or natural gas instead of LP gas).
The surface burners light but the oven burners do not light.	The oven door lock is turned on.	The display will show the Lock icon. Hold the oven door open and press the START/SET pad for 3 seconds. The oven will beep and the Lock icon will turn off.
	The Gas Pressure Regulator shut off switch is in the off position.	Call a qualified service technician.

Oven

Problem	Possible cause	Action
The oven control beeps and displays an information code.	There may be a malfunction. See the "Information codes" chart on page 47.	Press the OVEN OFF pad, and then restart the oven. If the problem persists, disconnect all power to the range for at least 30 seconds and then reconnect the power. If this does not solve the problem, call for service.
Very large or yellow oven burner flames.	The oven burner air adjustment shutters need to be adjusted.	Call for a qualified service technician.
	The gas supply is not properly connected or turned on.	See the Installation Instructions that came with your range.
The oven temperature is too hot or cold.	Oven thermostat needs adjustment.	See page 32.
An oven burner will not shut off.	The oven door lock is turned on.	The display will show the Lock icon. Hold the oven door open and press the START/SET pad for 3 seconds. The oven will beep and the Lock icon will turn off.
	The Sabbath function has been activated.	SAB and the time of day will show in the display. All other controls and signals will be deactivated. To turn off the oven only, press the OVEN OFF pad. To cancel the Sabbath function and reactivate the controls and signals, press and hold the Bake and the Number 1 pads simultaneously for 3 seconds.

The oven light (lamp) will not turn on.	The oven door lock is turned on.	The display will show the Lock icon. Hold the oven door open and press the START/SET pad for 3 seconds. The oven will beep and the Lock icon will turn off.
	The Sabbath function has been activated.	SAb and the time of day will show in the display. All other controls and signals will be deactivated. To cancel the Sabbath function and reactivate the light switch and other controls, press and hold the Bake and the Number 1 pads simultaneously for 3 seconds.
	A loose or burned-out bulb.	See page 41.
	The switch operating the oven light needs to be replaced.	Call for a qualified service technician.
Oven smokes excessively during broiling.	Meat or food was not properly prepared before broiling.	Cut away excess fat and/or fatty edges that may curl.
	An improperly positioned top oven rack.	See broiling guide on page 24.
	The controls are not being set properly.	See page 23.
	Greasy buildup on oven surfaces.	Regular cleaning is necessary when broiling frequently.

<p>Cooking is finished, but the cooling fan is still running.</p>	<p>The fan automatically runs for a certain amount of time to ventilate the inside of the oven.</p>	<p>This is not a malfunction.</p>
<p>Oven will not self-clean.</p>	<p>The oven door lock is turned on.</p>	<p>The display will show the Lock icon. Hold the oven door open and press the START/SET pad for 3 seconds. The oven will beep and the Lock icon will turn off.</p>
	<p>The oven is too hot.</p>	<p>Let the oven cool down and reset the controls. The self-clean cycle will not lock the oven door if the oven temperature is too hot. The door must lock before the selfclean cycle can start.</p>
	<p>The self-cleaning oven controls are not properly set.</p>	<p>Reset the self-cleaning oven controls. (See page 39 and 40.)</p>
<p>Crackling or popping sound.</p>	<p>This is normal.</p>	<p>This is the sound of the metal heating and cooling during any cooking or cleaning function.</p>



<p>Excessive smoking during a self-cleaning cycle.</p>	<p>This is the first time the oven has been cleaned.</p>	<p>This is normal. The oven will always smoke more the first time it is cleaned.</p> <p>Wipe up all excessive soil before starting the self-cleaning cycle.</p> <p>If smoke persists, press the OVEN OFF pad. Open the windows to clear the smoke from the room.</p> <p>After the oven has cooled and unlocked, wipe up excessive soil and reset the oven for selfcleaning.</p>
<p>The oven door will not open after a selfcleaning cycle.</p>	<p>This is normal.</p>	<p>The oven door will stay locked until the oven temperature drops below 400 °F.</p>
<p>The oven is not clean after a self-cleaning cycle.</p>	<p>A fine dust or ash is normal.</p>	<p>This can be wiped clean with a damp cloth.</p> <p>Set the self-cleaning cycle for a longer cleaning time.</p> <p>The cycle was not long enough to burn off the dirt buildup. Extremely dirty ovens require hand-cleaning of excessive spillovers and food buildup before you start a self-cleaning cycle. Multiple self-cleaning cycles may be necessary to completely clean the oven.</p>



Steam or smoke coming from under the control panel.	This is normal.	The oven vent is located there. More steam is visible when you use the convection functions or when baking or roasting multiple items at the same time.
A burning or oily odor coming from the vent.	This is normal for a new oven and will disappear within 1/2 hour of the first bake cycle.	To speed the process, set a selfcleaning cycle for a minimum of 3 hours. (See page 39 and 40.)
A strong odor.	This is temporary.	The insulation around the inside of the oven emits an odor the first few times the oven is used.
Oven racks are difficult to slide.	This is normal.	Apply a small amount of vegetable oil to a paper towel and wipe the edges of the oven racks with the paper towel. Racks become dull and hard to slide if they are left in the oven during a self-clean cycle.
Fan noise.	This is normal.	The convection fan runs until the function is over or the door is opened.
The convection fan is not working.	This is normal.	The fan starts automatically when the oven reaches the preheat temperature.

Others

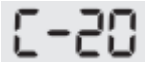
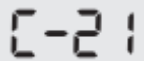
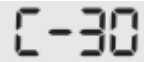
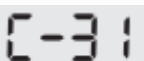

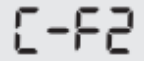
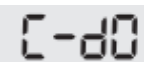
Problem	Possible cause	Action
The product is not level.	The appliance has been installed improperly. The leveling leg(s) is (are) damaged or uneven.	Make sure the floor is level, strong, and stable. If the floor sags or slopes, contact a carpenter. Check and level the range. (See the Installation Instructions.)
	The kitchen cabinets are not properly aligned and make the range appear to be not level.	Ensure that cabinets are square and provide sufficient room for installation.
The display goes blank.	<p>The electrical outlet Ground Fault Interrupter (GFI or GFCI) has been tripped and needs to be reset.</p> <p>Your digital control has been damaged.</p>	Replace fuse or reset circuit breaker.



Food does not bake or roast properly in the oven.	The wrong cooking mode is selected.	See page 22.
	The oven racks have not been positioned properly for the foods being cooked.	See page 24.
	Incorrect cookware or cookware of improper size is being used.	See page 16.
	The oven thermostat needs adjustment.	See page 32.
	There is aluminum foil on the racks and/or oven bottom.	Remove foil.
	The clock or timers are not set correctly.	See page 15.
Food does not broil properly in the oven.	The oven controls are not set properly.	See page 23.
	The oven door was not closed during broiling.	See page 22.
	The rack has not been properly positioned.	See the broiling guide on page 24.



Information codes

Code symbol	Meaning	Solution
	Check the oven sensor.	<ol style="list-style-type: none"> 1. Press the OVEN OFF pad, and then restart the oven. 2. If the problem persists, disconnect all power to the range for at least 30 seconds, and then reconnect the power.
	Oven overheating.	
	Check the PBA NTC Sensor	
	Check the PBA NTC Sensor	
	Check the door lock.	
	Check the Touch PBA signals.	
	Check the control panel pads	
<p>** If these solutions do not solve the problem, contact a local Samsung service center or call 1-800-SAMSUNG (1-800-726-7864).</p>		

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.