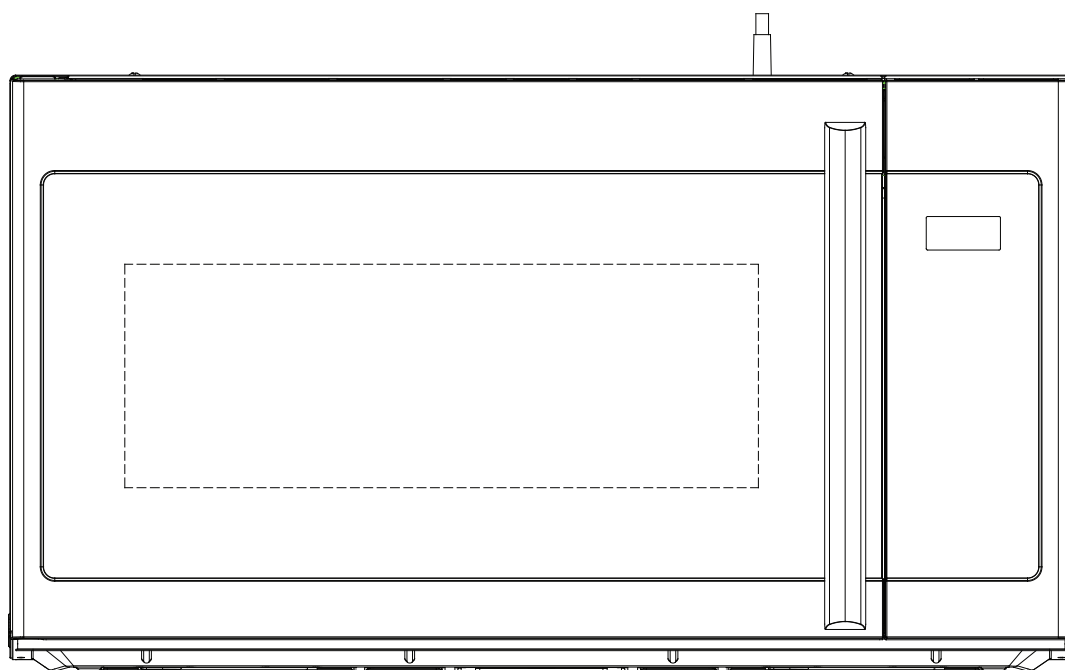


1.6 Cu. Ft. Over-the-Range Microwave

NS-OTR16SS9 / NS-OTR16WH9



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SAFETY INFORMATION

Precautions to avoid possible exposure to excessive microwave energy:

- 1 Do not attempt to operate this microwave with the door open because this can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- 2 Do not place any object between the microwave front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- 3 Do not operate the microwave if it is damaged. It is particularly important that the microwave door closes properly and that there is no damage to the:
 - (a) DOOR (bent)
 - (b) HINGES and LATCHES (broken or loosened)
 - (c) DOOR SEALS and SEALING SURFACES
- 4 The microwave should not be adjusted or repaired by anyone except properly qualified service personnel.

IMPORTANT SAFETY INSTRUCTIONS

Warning

To reduce the risk of burns, electric shock, fire, injury to persons, or exposure to excessive microwave oven energy when using your oven, follow these basic safety precautions.

- 1 Read all instructions before using the oven.
- 2 Read and follow the specific: ["Precautions to avoid possible exposure to excessive microwave energy:" on page 3.](#)
- 3 This appliance must be grounded. Connect only to a properly grounded outlet. See ["GROUNDING INSTRUCTIONS" on page 4.](#)
- 4 Install or locate this appliance only in accordance with the provided installation instructions.
- 5 Some products such as whole eggs and sealed containers (closed glass jars, for example) are able to explode and should not be heated in this oven.
- 6 Use this appliance only for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
- 7 As with any appliance, close supervision is necessary when used by children.
- 8 To reduce the risk of fire in the oven cavity:
 - a) Do not overcook food. Carefully monitor the appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b) Remove wire twist-ties from paper or plastic bags before placing the bag in the oven.
 - c) If materials inside the oven should ignite, keep the oven door closed, turn the oven off, and disconnect the power cord or shut off power at the fuse or circuit breaker panel.
 - d) Do not use the cavity for storage purposes. Do not leave paper products, cooking utensils, or food in the cavity when not in use.
- 9 Liquids, such as water, coffee, or tea can be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID.
 - a) Do not overheat the liquid.
 - b) Stir the liquid both before and halfway through heating it.
 - c) Do not use straight-sided containers with narrow necks.
 - d) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
 - e) Use extreme care when inserting a spoon or other utensil into the container.
- 10 Do not heat oil or fat for deep-frying. It is difficult to control the temperature of oil in the microwave oven.
- 11 Pierce foods with heavy skins such as potatoes, whole squash, apples, and chestnuts before cooking.
- 12 The contents of feeding bottles and baby jars should be stirred or shaken and the temperature should be checked before serving in order to avoid burns.

- 13 Cooking utensils may become hot because of heat transferred from the heated food. Potholders may be needed to handle the utensil.
- 14 Do not cover or block any openings on the appliance.
- 15 Do not store or use this appliance outdoors. Do not use this product near water, for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
- 16 Do not operate this appliance if it has a damaged cord or a plug, if it is not working properly, or if it has been damaged or dropped.
- 17 Do not immerse the cord or plug in water. Keep the cord away from heated surfaces. Do not let the cord hang over the edge of a table or counter.
- 18 Use only thermometers which are specifically designed for use in microwave ovens.
- 19 Be certain the glass tray and roller rings are in place when you operate the oven.
- 20 This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
- 21 When cleaning surfaces of the door and oven that come together on closing the door, use only mild, nonabrasive soaps, or detergents applied with a sponge or soft cloth.
- 22 VENTILATING HOODS:
 - a) Clean Ventilating Hoods Frequently-Grease should not be allowed to accumulate on hood or filter.
 - b) When flaming foods under the hood, turn the fan on.
- 23 Use care when cleaning the vent-hood filter. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the filter.
- 24 To reduce the risk of fire and electric shock, install only above electric cooking equipment. If the over-the-cooktop microwave oven is intended to be used with either a gas or electric range, the following words or the equivalent shall be included: Suitable for use above both gas and electric cooking equipment.

Unpacking instructions

Carefully remove the microwave from the box. Save the box as it may make installation easier.

- 1 Remove all packing materials from inside the oven cavity. However, DO NOT REMOVE THE WAVEGUIDE COVER, which is located on the ceiling in the oven cavity. Make sure that you have all items from the ["Package contents"](#) on page 7. Read and save the instructions.
- 2 Remove the feature sticker from the outside of the door, if there is one.
- 3 Check the oven for any damage, such as misaligned or bent door, damaged door seals and sealing surfaces, broken or loose door hinges and latches, and dents inside the cavity or on the door. If there is any damage, do not operate the oven and contact your dealer.

See the *Installation Guide* for more information.

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Warning

Improper use of the grounding plug can result in a risk of electric shock. Consult a qualified electrician or serviceman if the grounding instructions are not completely understood or if doubt exists as to whether the appliance is properly grounded.

Electrical requirements

The electrical requirements are a 120 volt 60 Hz, AC only, 20 amp outlet. It is recommended that a separate circuit serving only the oven be provided. The oven is equipped with a 3-prong grounding plug. It must be plugged into a wall receptacle that is properly installed and grounded.

Power Supply Cord

- 1 A short power supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
- 2 Longer cord sets or extension cords are available and may be used if care is exercised in their use.
- 3 If a long cord or extension cord is used:

- a) The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.
- b) The extension cord must be a grounding-type 3-wire cord, and the longer cord should be arranged so that it will not drape over the counter top or table top where it can be pulled on by children or tripped over unintentionally.
- c) If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-blade grounding plug, and a 3-slot receptacle that will accept the plug on the appliance. The marked rating of the extension cord shall be equal to or greater than the electrical rating of the appliance.

Notes

- If you have any questions about the grounding or electrical instructions, consult a qualified electrician or service person.
- Insignia does not accept any liability for damage to the oven or personal injury resulting from failure to observe the electrical connection procedures.

Radio or TV interference

Should there be any interference caused by the microwave oven to your radio or TV, make sure that the microwave oven is on a different circuit. Relocate the radio or TV as far away from the oven as feasible or check the position and signal of the receiving antenna.

SAVE THESE INSTRUCTIONS

Cookware and cooking materials

Warning

Personal Injury Hazard
Tightly-closed containers could explode. Closed containers should be opened and plastic pouches should be pierced before cooking.

Cookware and other materials must fit on the turntable. Always use oven mitts or pot holders because cookware may become hot.

Refer to the **Materials you can use** and **Materials to be avoided** tables as a guide, then test before using.

Cookware and Materials Test:

- 1 Fill a microwave-safe container with 1 cup (250 ml) of cold water, along with the cookware or materials in question.
- 2 Cook on maximum power for one minute. **Do not exceed one minute cooking time.**
- 3 Carefully feel the cookware or material. If the empty cookware or material is warm, do not use it for microwave cooking.

Materials you can use

MATERIAL	REMARKS
Aluminum foil	Use as shielding only. Small, smooth pieces can be used to cover thin parts of meat or poultry to prevent overcooking. Arcing can occur if the foil is wrinkled or too close to oven walls. The foil should be at least 1 inch (2.5 cm) away from oven walls.
Browning dish	Follow the manufacturer's instructions. The bottom of the browning dish must be at least 3/16-in. (5mm) above the turntable. Incorrect usage may cause the turntable to break.
Dinnerware	Use microwave-safe only. Follow the manufacturer's instructions. Do not use cracked or chipped dishes.
Glass jars	Always remove the lid. Use only to heat food until just warm. Most glass jars are not heat resistant and may break.
Glassware	Use heat-resistant oven glassware only. Make sure there is no metallic trim. Do not use cracked or chipped dishes.
Oven cooking bags	Follow the manufacturer's instructions. Do not close with a metal tie. Make slits to allow steam to escape.
Paper plates and cups	Use for short-term cooking/warming only. Do not leave the oven unattended while cooking.
Paper towels	Use to cover food for reheating and absorbing fat. Use with supervision for short-term cooking only.
Parchment paper	Use as a cover to prevent splattering or a wrap for steaming.
Plastic	Use only if labeled "Microwave Safe." Follow the manufacturer's instructions. Some plastic containers soften as the food inside gets hot. "Boiling bags" and tightly closed plastic bags should be slit, pierced, or vented, as indicated on the package.
Plastic wrap	Use microwave-safe only. Use to cover food during cooking to retain moisture. Do not allow plastic wrap to touch food.
Thermometers	Use microwave-safe only (such as meat and candy thermometers).
Wax paper	Use as a cover to prevent splattering and retain moisture.

Materials to be avoided

MATERIAL	REMARKS
Aluminum tray	May cause arcing. Use a microwave-safe dish instead.
Food carton with metal handle	May cause arcing. Use a microwave-safe dish instead.
Metal or metal trimmed utensils	Metal shields the food from microwave energy. The metal trim may cause arcing.
Metal twist ties	May cause arcing and could cause a fire in the oven.
Paper bags	May cause a fire in the oven.
Plastic foam	Plastic foam may melt or contaminate the liquid inside when exposed to high temperature.
Wood	Wood will dry out when used in the microwave oven and may split or crack.

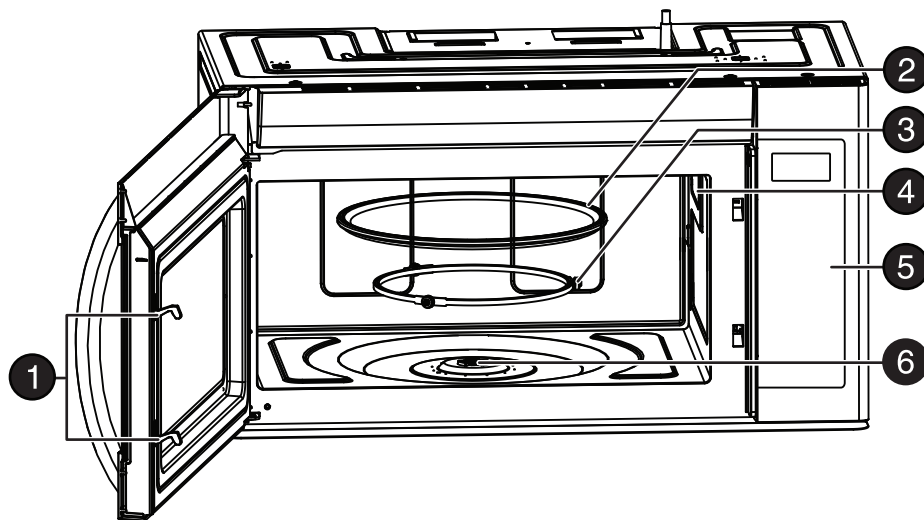
Features

- 9 auto-cook settings
- 10 variable power levels
- 1000 watts of power
- 30-second express cooking
- Energy saving (eco) mode
- Exhaust fan with two speeds
- Hidden vent
- Task lighting
- Child lock
- 12.4-inch glass turntable

Package contents

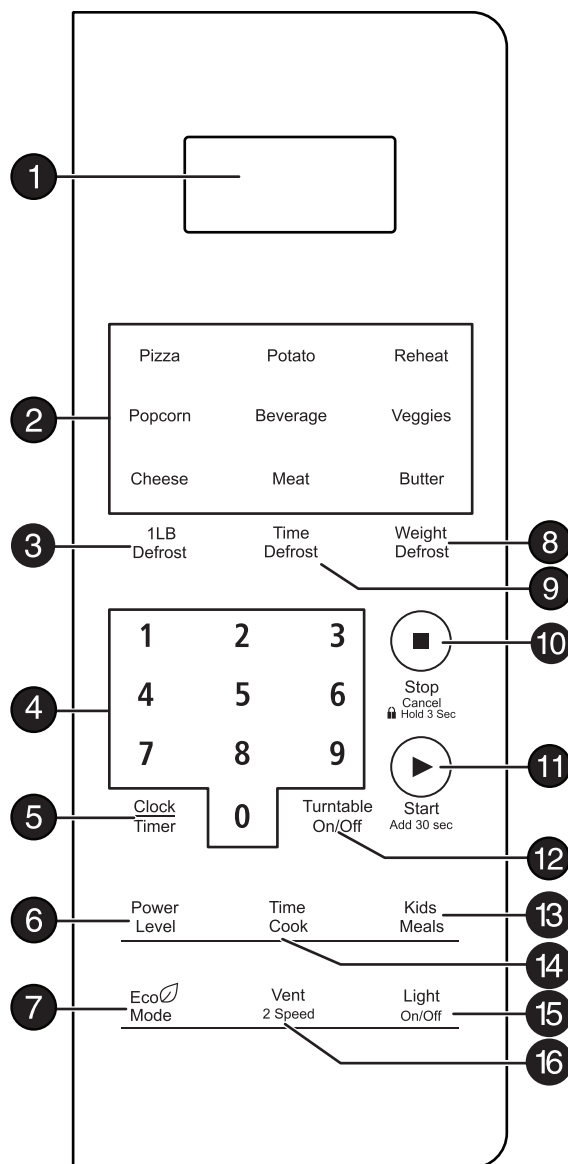
- 1.6 cu. ft. over-the-range microwave oven
- Turntable (with ring)
- Installation hardware
- Grease filter
- Exhaust damper
- *Installation Guide*
- *User Guide*

Microwave oven



#	ITEM	DESCRIPTION
1	Safety interlock system	Prevents the microwave from operating when the door is open.
2	Glass turntable	Allows food to cook evenly.
3	Turntable ring assembly	Allows the turntable to rotate to cook food evenly.
4	Waveguide cover	Covers the waveguide. DO NOT REMOVE.
5	Control panel	Use to set cooking times and enter other information as needed.
6	Turntable shaft	Rotates the turntable assembly.

Control panel



#	ITEM	DESCRIPTION
1	Display	In standby mode, displays the time. In cooking mode, displays cooking time, weight, and other information.
2	Auto menu	Press one of these buttons to automatically cook the item indicated. See "Cooking with the auto menu" on page 11 .
3	1LB Defrost	Quickly defrost one pound (16 oz.) of food. See "Quickly defrosting one pound" on page 11 .
4	Number pad	Press to enter cook time, defrost time, clock time, and other information.
5	Clock / Timer	- Press and hold for three seconds to set or check the clock. See "Setting the clock" on page 10 - Press this button, then enter the time you want to count down. See "Using the kitchen timer" on page 10.
6	Power Level	Press to set the power level of your microwave, then press the number buttons to set the level you want (0-10). See "Cooking in your microwave" on page 10 .
7	Eco Mode	Puts the microwave in the lowest power consumption mode which turns off the display, cooking lights, and fans. See "Using energy saver (eco) mode" on page 12 .
8	Weight Defrost	Press this button, then enter the weight of the item you want to defrost. The cooking time is set automatically. See "Defrosting by weight" on page 10 .
9	Time Defrost	Press this button, then enter the time you want for an item to defrost. See "Defrosting by time" on page 11 .
10	Stop	Press to stop the cooking process. Press again to cancel the cooking operation.

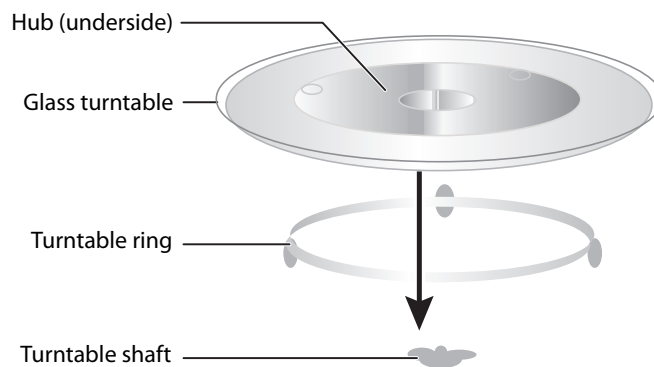
#	ITEM	DESCRIPTION
11	Start	In standby mode, press this button to begin cooking. While cooking, press this button to add 30 seconds to cooking time.
12	Turntable On/Off	Press this button to turn the turntable on or off. See "Using the turntable" on page 13.
13	Kids Meals	Press to cook kids' foods. See "Cooking kids' meals" on page 12.
14	Time Cook	Press this button, then enter the time you want for an item to cook. See "Cooking in your microwave" on page 10.
15	Light	Press to turn on/off the light underneath your microwave. See "Using the light" on page 12.
16	Vent	Press to turn on/off your vent fan and remove odors from cooking. See "Using the vent fan" on page 12.

Setting up your microwave oven

See the *Installation Guide* (included in your box) to install and set up your microwave.

You can also find the *Installation Guide* online at www.insigniaproducts.com by searching for **NS-OTR16SS9 / NS-OTR16WH9**. On your microwave's product page, select **Support & Downloads**, then next to *Installation Guide*, select the language you want.

Installing the turntable



Notes

- Never place the glass tray upside down. The glass tray should never be restricted.
- Both the glass tray and turntable ring must always be used during cooking.
- Always place all food and containers of food on the glass tray for cooking.
- If the glass tray or turntable ring cracks or breaks, contact your nearest authorized service center.

- 1 Place the turntable ring in the round depression in the bottom of the microwave oven so that it turns freely.
- 2 Place the glass turntable (flat side up) on the turntable ring so that the hub engages the turntable shaft in the bottom of the oven. The glass turntable should not turn freely when it is correctly installed.

Using your microwave

Cooking in your microwave

- 1 Press **Time Cook**, then use the number pad to enter the cooking time that you want.

Note

For example, to enter 3 minutes and 15 seconds, press **3**, **1**, and then **5**.

- 2 Press **Power Level**, then enter the power level that you want (0-10).

LEVEL	10	9	8	7	6	5	4	3	2	1	0
Power	100%	90%	80%	70%	60%	50%	40%	30%	20%	10%	0%
Display	PL10	PL-9	PL-8	PL-7	PL-6	PL-5	PL-4	PL-3	PL-2	PL-1	PL-0

Note

- You can check the power level during cooking by pressing **Power Level**. To change it, enter a new power level (0–10).
- If “PL-0” is selected, the microwave fan turns on with 0% power. You can use this level to remove an odor in the microwave.

- 3 Press **Start** to begin heating.
OR
For two-stage cooking, repeat steps 1-2 to program the second stage.

Note

Two-stage cooking lets you program two cook times and power levels at the same time.

Setting the clock

- 1 In standby mode, press and hold **Clock/Timer** for three seconds. The display shows “Hr 12” for 12-hour mode. If you want to use 24-hour mode (“Hr 24”), press **Clock/Timer** again.
- 2 Use the number pad to enter the current time (1:00–12:59), then press **Start** to confirm the setting. If the microwave beeps twice, the numbers entered are not invalid.

Using the kitchen timer

- 1 In standby mode, press **Clock/Timer**. The display shows “00:00” and “TIMER”.
- 2 Use the number pad to enter the time (the maximum time is 99 minutes and 99 seconds), then press **Start**. When the time reaches 0, the buzzer rings once.

Cooking quickly

- 1 Press **Start** to instantly cook something at 100% power for 30 seconds.
- 2 To increase the time in 30 second increments (except Auto Cook and 1LB Defrost), press **Start** repeatedly. The maximum cooking time is 99 minutes and 99 seconds.

Defrosting in your microwave

Defrosting by weight

- 1 Press **Weight Defrost**. The display shows “0” and “DEF.”
- 2 Use the number pad to enter the weight of the item to be defrosted (in ounces). Input the weight must be between 1~96 ounces.
- 3 Press **Start** to start defrosting. The remaining cooking time is displayed.

Note

While defrosting, the microwave pauses and beeps to remind you to open the door and check the food. Turn your food over for uniform defrosting, then press **Start** to defrost for the remaining time.

Defrosting by time

- 1 Press **Time Defrost**. The display shows "00:00" and "DEF."
- 2 Use the number pad to enter the defrosting time you want. The time range must be between 00:01 and 99:99.
- 3 Press **Start** to start defrosting. The remaining cooking time is displayed.

Note

While defrosting, the microwave pauses and beeps to remind you to open the door and check the food. Turn your food over for uniform defrosting, then press **Start** to defrost for the remaining time.

Quickly defrosting one pound

- Press **1 LB Defrost**. Your microwave starts defrosting.

Note

While defrosting, the microwave pauses and beeps to remind you to open the door and check the food. Turn your food over for uniform defrosting, then press **Start** to defrost for the remaining time.

Cooking with the auto menu**Cheese or butter**

- 1 Press the food item (**Cheese** or **Butter**) that you want to heat.
- 2 Press **1** or **2** on the number pad, depending on weight (oz.) of the item (see table below).
- 3 Press **Start**.

FOOD	AMOUNT	NUMBER PAD	TOTAL TIME
Cheese	4 oz.	1	1:00
	8 oz.	2	1:30
Butter	1 serving (4 oz.)	1	0:30
	2 servings (8 oz.)	2	0:45

Pizza, potato, meat, reheat, or veggies

- 1 Press the food item (**Pizza**, **Potato**, **Meat**, **Reheat**, or **Veggies**) that you want to heat.
- 2 Enter the food weight (in ounces) with the number pad. The weight must be within the range in the table below.
- 3 Press **Start**.

FOOD	WEIGHT
Pizza	10–28 oz.
Potato	1–48 oz.
Meat	1–32 oz.
Reheat	1–37 oz.
Veggies	1–48 oz.

Popcorn

- 1 Press **Popcorn**. The display shows "1_" and "OZ."
- 2 Use the number pad to enter the amount of popcorn:
 - Press **1** for 1.7 oz.
 - Press **2** for 3.0 oz.
 - Press **3** for 3.2 oz.
- 3 Press **Start**.

Beverage

- 1 Press **Beverage**.
- 2 Use the number pad (1-6) to enter the amount from 1-6 cups (7.0 oz./cup).
- 3 Press **Start**.

Cooking kids' meals

Hot dogs or frozen sandwiches

When cooking one serving of hot dogs or frozen sandwiches:

- 1 Press **Kids Meals**.
- 2 Use the number pad to enter the number for your food:
 - Press **2** for hot dogs.
 - Press **4** for frozen sandwiches.
- 3 Press **Start**.

Chicken nuggets or french fries

- 1 Press **Kids Meals**.
- 2 Use the number pad to enter the number for your food:
 - Press **1** for chicken nuggets.
 - Press **3** for french fries.
- 3 Use the number pad to enter the food weight:
 - Press **1** for 4 oz.
 - Press **2** for 8 oz.
- 4 Press **Start**.

Using energy saver (eco) mode

Energy saver mode puts the microwave in the lowest power consumption mode which turns off the display, cooking lights, and fans.

- To enter the energy saver mode, press **Eco Mode**. The display, cooking lights, and fans turn off.
- To use your microwave, press any button. The microwave enters standby mode for one minute and you can use your microwave as usual.
- To exit energy saver mode, press any button to awaken the display, then press **Eco Mode**.

Checking the time and power level while cooking

- To check the power level while cooking a meal, press **Power Level**. The display shows the power level being used for five seconds, then returns to the cooking time remaining.

Note

You can change the power level by pressing **Power Level**, then entering the new power level (0–10).

Using the light

- Press **Light** to turn on or off the light underneath your microwave.

Note

To change a light bulb, see [“Changing the light bulbs” on page 15](#).

Using the vent fan

Your microwave's vent fan works as a range hood to filter out smoke and other odors from cooking.

- Press **Vent** repeatedly to cycle between low speed, high speed, or off.

Note

You can choose the vent speed while cooking in the microwave.

- The fan automatically starts at low speed when cooking starts. It cannot be turned off manually during this time. This protects the microwave from excessive temperatures.

- When the fan automatically starts, you can press **Vent** to switch to high speed. The fan runs at high speed for eight minutes, then returns to its low speed.
- If you turned the fan on, it doesn't turn off automatically when cooking is finished. Press **Vent/2 Speed** to turn it off.

Using the child lock

- To lock the microwave, press and hold **Stop** for three seconds. The microwave beeps and a lock indicator appears on the display.
- To unlock the microwave, press and hold **Stop** until the lock indicator disappears (about three seconds).

Using the turntable

- To turn off the turntable, press **Turntable On/Off** while cooking your food. The display shows "off" for 10 seconds.
- To turn the turntable back on after turning it off, press **Turntable On/Off** while cooking your food. The display shows "on" for 10 seconds.

Notes

- Your microwave defaults to having the turntable on.
- You can only turn the turntable on or off while food is cooking.

Cleaning and maintaining your microwave

Cleaning the outside of your microwave

Exterior

The outside surface is precoated steel and plastic. Clean the outside with mild soap and water, then rinse and dry with a soft cloth. Do not use any type of household or abrasive cleaner.

Door

Wipe the window on both sides with a damp cloth to remove any spills or spatters. Metal parts will be easier to maintain if wiped frequently with a damp cloth. Avoid the use of spray and other harsh cleaners as they may stain, streak, or dull the door surface.

Control panel

If the control panel is dirty, open the microwave door before cleaning. Wipe the panel with a cloth dampened slightly with water only. Dry with a soft cloth. Do not scrub or use any sort of chemical cleaners. Close the door and press **Stop** to clear any buttons you may have pressed.

Cleaning the inside of your microwave

Interior

Wipe with a soft cloth and warm water. Do not use abrasive or harsh cleaners or scouring pads. For baked-on food, use baking soda or a mild soap, then rinse thoroughly with hot water.

Waveguide cover

The waveguide cover is located on the ceiling inside the microwave cavity. It is made from mica so requires special care. Keep the waveguide cover clean to assure good microwave performance. Carefully wipe with a damp cloth any food spatters from the surface of the cover immediately after they occur. Built-up splashes may overheat and cause smoke or possibly catch fire. DO NOT REMOVE THE WAVEGUIDE COVER.

Removing odors

Occasionally, a cooking odor may remain in the microwave. To remove, combine one cup water, grated peel and juice of one lemon, and several whole cloves in a two-cup glass measuring cup. Boil for several minutes using 100% power, then let it cool in the microwave. Wipe the interior with a soft cloth.

Turntable and turntable support

Remove the turntable and turntable support and wash them in mild, sudsy water. For stubborn stains, use a mild cleanser and non-abrasive scouring sponge. You can also wash them in the top rack of a dishwasher.

The turntable motor shaft is not sealed, so excess water or spills should be wiped up immediately.

Cleaning and replacing the filters

Cleaning the grease filters

Clean the filters at least once a month. Never use the fan or microwave without the filters in place.

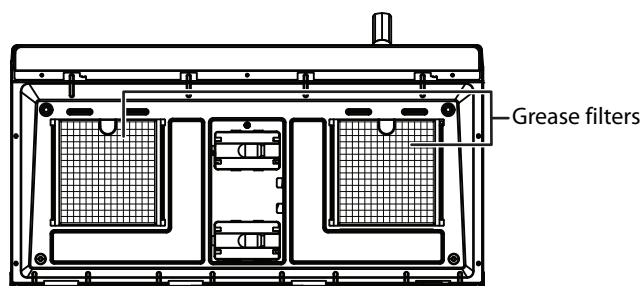
- 1 Pull down slightly on the tab toward the front of the microwave to remove the filter. Repeat for the other filter.
- 2 Soak the filter in a sink or dish pan filled with hot water and detergent.

CAUTION

DO NOT use ammonia or other alkali. They will react with the filter material and darken it.

- 3 Agitate and scrub the filter with a brush to remove embedded dirt.
- 4 Rinse thoroughly and shake dry.
- 5 Replace by fitting the filter back into the opening.

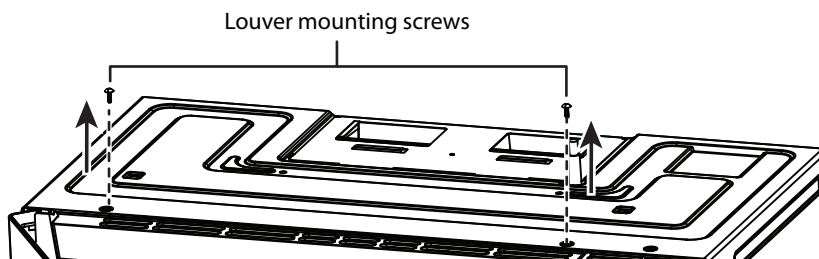
BOTTOM



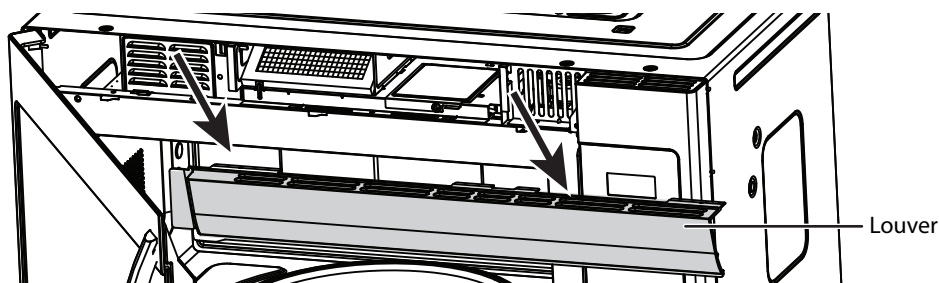
Replacing the charcoal filter

A charcoal filter is used for nonvented, recirculated installation. The filter should be changed every 6 to 12 months depending on use.

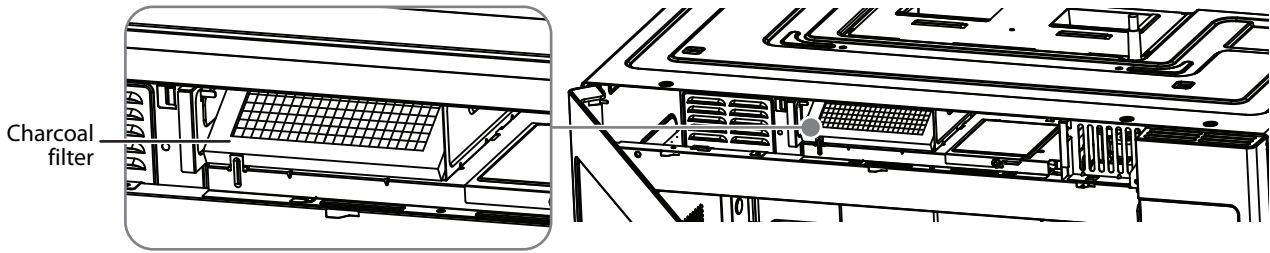
- 1 Disconnect power to the microwave at the circuit breaker or by unplugging it.
- 2 Remove the louver mounting screws from the top center of the louver, then push down on the tabs at each end of the louver to disengage it.



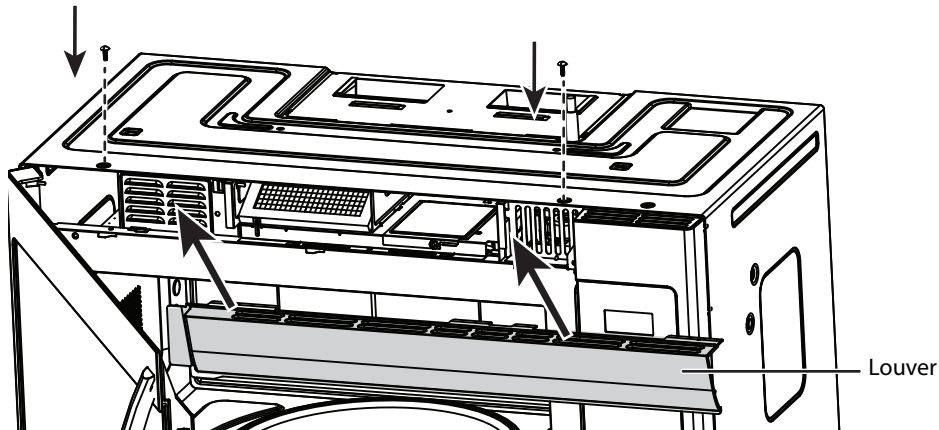
- 3 Pull the louver away from the unit.



- 4 Replace the charcoal filter. Make sure that the wire mesh is visible from the front.



- 5 Carefully push the louver back into place and replace the louver mounting screws.



Changing the light bulbs

Countertop light (exterior)

- 1 Disconnect power to the microwave at the circuit breaker or by unplugging it.
- 2 Remove the screw holding the light cover in place, then remove the light cover.

CAUTION

The light cover may become very hot. Do not touch the glass when the light is on.

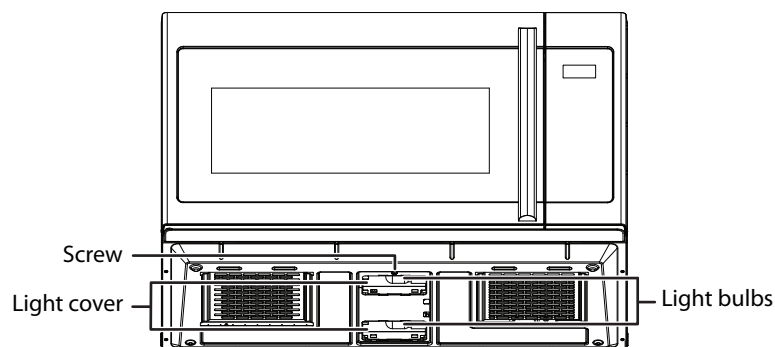
- 3 Remove the old light bulb, then replace with a new bulb.

CAUTION

Do not use a bulb larger than 30 watts.

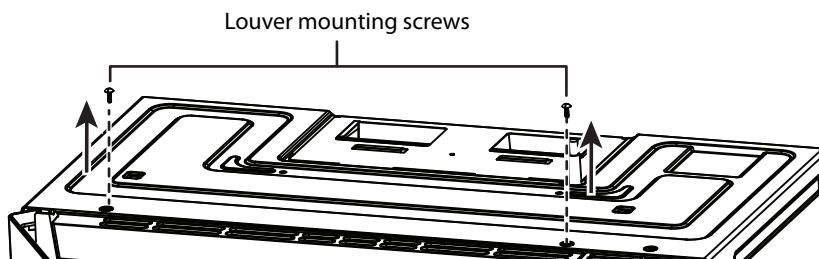
- 4 Replace the light cover and secure it with the screw.

BOTTOM

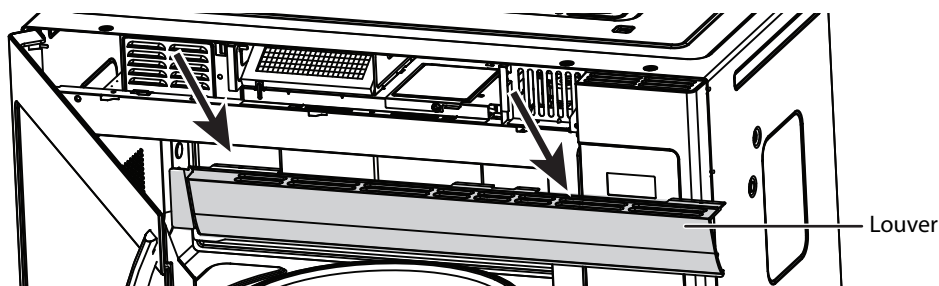


Microwave light (interior)

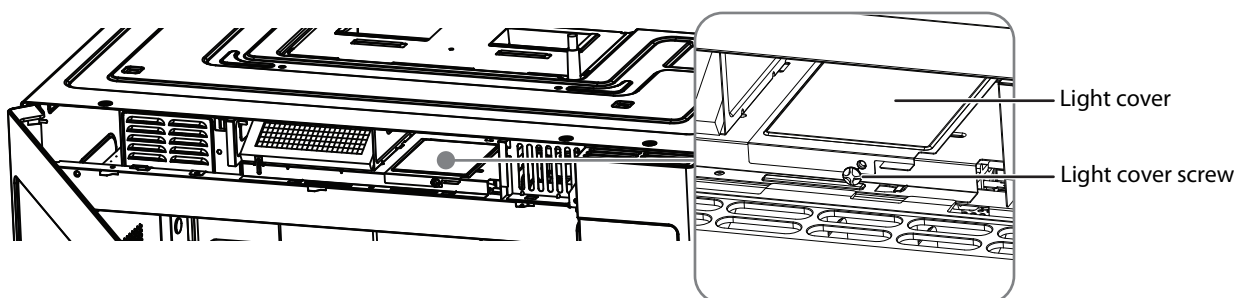
- 1 Disconnect power to the microwave at the circuit breaker or by unplugging it.
- 2 Remove the louver mounting screws from the top center of the louver, then push down on the tabs at each end of the louver to disengage it.



- 3 Pull the louver away from the unit.



- 4 Open the light cover located behind the filter by removing the light cover screw, then carefully pulling up on the front edge.

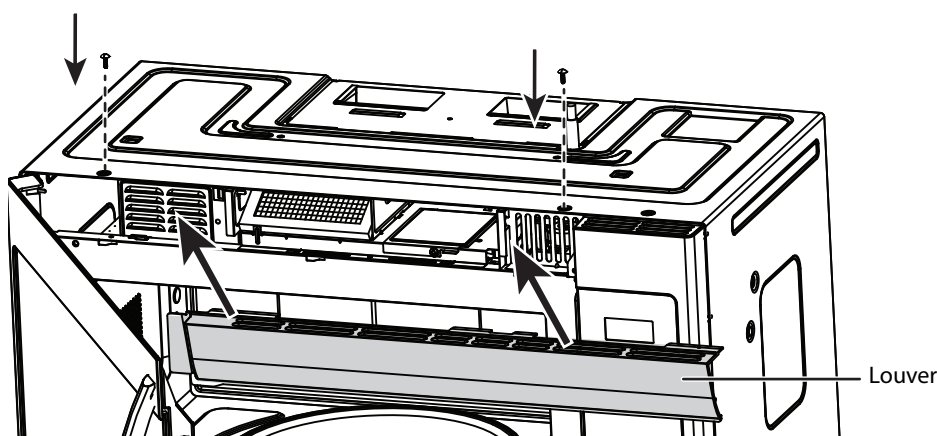


- 5 Remove the old light bulb, then replace with a new bulb.

CAUTION

Do not use a bulb larger than 30 watts.

- 6 Replace the microwave light cover by carefully pushing it into place.
- 7 Push the louver back into place and replace the louver mounting screws.



Troubleshooting

If you have a problem with your microwave, review the following chart for a possible solution. If the microwave still does not work properly, contact the nearest authorized service center.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
Microwave will not start	The electrical cord is not plugged in.	Plug in the electrical cord.
	The door is open.	Close the door and try again.
	The wrong operation is set.	Check the instructions and try again.
Arcing or sparking in the microwave	You are attempting to use incorrect materials in the microwave.	Use only microwave-safe materials.
	You are attempting to use the microwave when it's empty.	Do not operate the microwave when it's empty.
	Spilled food remains in the microwave.	Clean the microwave with a wet towel.
Unevenly cooked foods	You are attempting to use incorrect materials in the microwave.	Use only microwave-safe materials.
	The food is not defrosted completely.	Defrost the food completely before attempting to cook it.
	The cooking time or power level is not adequate to cook the food.	Use the correct cooking time and power level.
	The food is not turned or stirred.	Turn or stir the food.
Overcooked foods	The cooking time or power level is not adequate to cook the food.	Use the correct cooking time and power level.
Undercooked foods	You are attempting to use incorrect materials in the microwave.	Use only microwave-safe materials.
	The food is not defrosted completely.	Defrost the food completely before attempting to cook it.
	The cooking time or power level is not adequate to cook the food.	Use the correct cooking time and power level.
	The microwave ventilation ports are blocked or restricted.	Make sure that the ventilation ports are not blocked or restricted.
Improper defrosting	You are attempting to use incorrect materials in the microwave.	Use only microwave-safe materials.
	The cooking time or power level is not adequate to cook the food.	Use the correct cooking time and power level.
	The food is not turned or stirred.	Turn or stir the food.
The vent fan turns on by itself	This protects the microwave from excessive temperatures.	Your microwave is operating normally. The fan cannot be turned off manually during this time.

Obtaining replacement parts

Call Insignia Customer Service at 1-877-467-4289.

Specifications

Model	NS-OTR16SS9 / NS-OTR16WH9
Rated voltage	120 V / 60 Hz
Rated input power	1500 W
Rated output power	1000 W
Microwave capacity	1.6 cu. ft.
Turntable diameter	12.4 in. (31.5 cm)
External dimensions (HxWxD)	16.9 x 29.9 x 17.6 in. (42.9 x 75.9 x 44.6 cm)
Internal dimensions (HxWxD)	10.2 x 21.1 x 14.6 in. (25.9 x 54.1 x 37.1 cm)
Charcoal filter dimensions (L x W)	5.65 x 3.7 in. (14.4 x 9.4 cm)
Certifications	UL and CUL approved
Power cord length	39.8 in. (101 cm)
Net weight	52.5 lbs. (23.8 kg)

Legal notices

FCC statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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ONE-YEAR LIMITED WARRANTY

Definitions:

The Distributor* of Insignia branded products warrants to you, the original purchaser of this new Insignia-branded product ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period").

For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy branded retail store or online at www.bestbuy.com or www.bestbuy.ca, and is packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy retail store location or from a Best Buy online website (www.bestbuy.com or www.bestbuy.ca), please take your original receipt and the Product to any Best Buy store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain warranty service, in the United States and Canada call 1-877-467-4289. Call agents may diagnose and correct the issue over the phone.

Where is the warranty valid?

This warranty is valid only in the United States and Canada at Best Buy branded retail stores or websites to the original purchaser of the product in the country where the original purchase was made.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to weather, lightning, and other acts of God, such as power surges
- Accidental damage
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Insignia to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed
- Loss or Theft of this product or any part of the product
- Display panels containing up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289

www.insigniaproducts.com

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