IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

Download this owner's manual at http://www.lg.com

Safety Messages

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and follow all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or injure you and others. All safety messages will follow the safety alert symbol and either the word WARNING or CAUTION.

These words mean:

WARNING

You may be killed or seriously injured if you do not follow instructions.

CAUTION

You may be injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what may happen if the instructions are not followed.

Anti-tip Device

To reduce the risk of tipping, the appliance must be secured by a properly installed anti-tip device. To check if the device is installed properly, verify that the anti-tip device is engaged, or grasp the top rear edge of the range back guard and carefully attempt to tilt it forward. Refer to the installation section for instructions.

⚠ WARNING

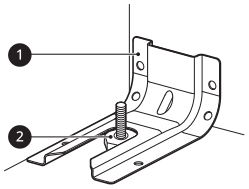
- A child or adult can tip the range and be killed.



- Install the anti-tip device to the structure and/or the range. Verify the anti-tip device has been properly installed and engaged by following the guide on the anti-tip bracket template.
- Engage the range to the anti-tip device by following the guide on the anti-tip bracket template. Ensure the anti-tip device is re-engaged when the range is moved by following the guide on the anti-tip bracket template.
- Re-engage the anti-tip device if the range is moved. Do not operate the range without the anti-tip device in place and engaged.
- See installation instructions for details.
- Failure to do so can result in death or serious burns to children or adults.
- Do not rest large, heavy items such as whole turkeys on the open oven door. The range could tip forward and cause injury.

- Do not step or sit on the oven door. The range could be tipped and injury might result from spilled hot liquid, food, or the range itself.

- Never remove the oven legs. The range will not be secured to the anti-tip bracket if the legs are removed.



❶Anti-tip bracket

❷Leveling leg

WARNING

⚠ WARNING

- To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Installation

- Do not line the oven walls, racks, bottom, or any other part of the oven with aluminum foil or any other material. Doing so will disrupt heat distribution, produce poor baking results and cause permanent damage to the oven interior. (Aluminum foil will melt to the interior surface of the oven.)
- To eliminate the risk of burns or fire by reaching over heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5 inches beyond the bottom of the cabinets.
- Do not use aluminum foil or any other material to line the oven bottom. Improper installation of these liners may result in a risk of electric shock or fire.
- Make sure your range is properly installed and grounded by a qualified installer, according to the installation instructions. Any adjustment and service should be performed only by qualified range installers or service technicians.

Operation

- Do not leave children alone or unsupervised near the appliance when it is in use or is still hot. Children should never be allowed to sit or stand on any part of the appliance as they could be injured or burned.
- Children should not be allowed to play with controls or other parts of the appliance.
- DO NOT TOUCH HEATING ELEMENTS OR INTERIOR SURFACES OF OVEN. Heating elements may be hot even though they are dark in color. Interior surfaces of an oven become hot enough to cause burns. During and after use, do not touch or let clothing or other flammable materials contact heating elements or interior surfaces of the oven until they have had sufficient time to cool. Other surfaces, such as oven vent openings and surfaces near these openings, oven doors, and windows of oven doors, also get hot and may cause burns if not cooled.
- Surface units may be hot even though they are dark in color. Areas near surface units may become hot enough to cause burns. During and after use, DO NOT TOUCH SURFACE UNITS OR AREAS NEAR UNITS or let clothing or other flammable materials contact surface units or areas near units until they have had sufficient time to cool. This includes the cooktop and the area above the oven door.
- Use care when opening the oven door. The hot air and steam that escape can cause burns to hands, face and eyes. Let hot air or steam escape from the oven before removing or replacing food in the oven.
- Do not use plastic to cover food. Use foil or oven-safe lids only.

- Never attempt to dry a pet in the oven.
- Never use your appliance for warming or heating the room.
- Always use pot holders or oven mitts when removing food from the oven or the surface element. Cookware will be hot. Use only dry pot holders. Moist or damp pot holders on hot surfaces may result in burns from steam. Do not let the pot holder touch hot heating elements. Do not use a towel or other bulky cloth to remove food.
- Do not heat unopened food containers. Pressure in the containers may cause them to burst which may result in injury.
- Be certain that all packing materials are removed from the appliance before operating. Keep plastic, clothes, paper, and other flammable materials away from parts of the appliance that may become hot.
- Do not allow aluminum foil or the temperature probe to contact heating elements.
- Do not touch the hot surface between the bottom of the oven door and the top of the drawer on the front of the oven while the oven is in operation. The surface becomes hot and can cause burns and other injury.
- Do not touch the oven racks while they are hot.
- If a rack must be moved while the oven is hot, do not let the pot holder contact the hot heating element in the oven.
- Pull the oven rack to the stop-lock position when loading and unloading food from the oven. This helps prevent burns caused by touching hot surfaces of the door and oven walls.
- Do not use the oven if a heating element develops a glowing spot during use or shows other signs of damage. A glowing spot indicates the heating element may fail and present a potential burn, fire, or shock hazard. Turn the oven off immediately and have the heating element replaced by a qualified service technician.
- During oven operation, the upper surface of the drawer cavity becomes hot and may cause burns. Never allow children to remain unsupervised near the oven or cooktop.
- Do not put your hand inside the drawer while the oven is operating.
- Keep Oven Vent Duct Unobstructed. Areas near the vent may become hot during operation and may cause burns. Do not block the vent opening. Avoid placing plastics near the vent as heat may distort or melt the plastic.
- REMOTE OPERATION - This appliance is configurable to allow remote operation at any time. Do not store any flammable materials or temperature sensitive items inside, on top or near surface units of the appliance.

Maintenance

- Do not allow children to crawl into the oven.
- Let hot cookware and utensils cool in a safe place, out of reach of small children.
- If the door glass, cooktop glass, surface, or oven heating unit of the range are damaged, discontinue use of the range and call for service.
- Do not allow anyone to climb, stand or hang on the door, storage drawer or cooktop. They could damage the range and even tip it over, causing severe personal injury.
- Always disconnect power from the appliance before servicing.
- Before replacing the oven light, switch off the electrical power to the oven at the main fuse or circuit breaker panel. Failure to do so can result in severe personal injury, death, or electrical shock.
- Never pour cold water over a hot oven for cleaning. Doing so may cause the oven to malfunction.

Risk of Fire and Flammable Materials

- Do not store or use flammable material in the oven or near or on the cooktop. Flammable materials include paper, plastic, pot holders, linens, wall coverings, curtains, and gasoline or other flammable

vapors and liquids such as grease or cooking oil. These materials can be ignited when the oven and cooktop are in use.

- Use extreme caution when moving or disposing of hot grease.
- Wear proper apparel. Do not wear loose-fitting or hanging garments, which may ignite if they contact hot surfaces, and cause severe burns.
- Do not use the oven for drying clothes. Only use the oven for its intended purpose.
- If cabinet storage is provided directly above the cooking surface, only use it to store items that are not frequently used and can be safely stored in an area subjected to heat. Temperatures may be unsafe for volatile items such as flammable liquids, cleaners or aerosol sprays.
- Do not use water on grease fires. Should an oven fire occur, leave the oven door closed and turn the oven off. If the fire continues, throw baking soda on the fire or use a fire extinguisher. Do not put water or flour on the fire. Flour may be explosive and water can spread a grease fire and cause personal injury.

CAUTION

⚠ CAUTION

- To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

Operation

- Always heat fat slowly, and watch as it heats.
- If frying combinations of oils and fats, stir them together before heating.
- Use a deep fat thermometer, if possible, to prevent overheating fat beyond the smoking point.
- Use the least possible amount of fat for effective shallow or deep-fat frying. Filling the pan with too much fat can cause spillovers when food is added.
- Accessible parts may become hot when the broiler is in use.
- Do not place food or cookware on the bottom of the oven cavity. Doing so will cause permanent damage to the oven bottom finish.
- When using cooking or roasting bags in the oven, follow the manufacturer’s directions.

Maintenance

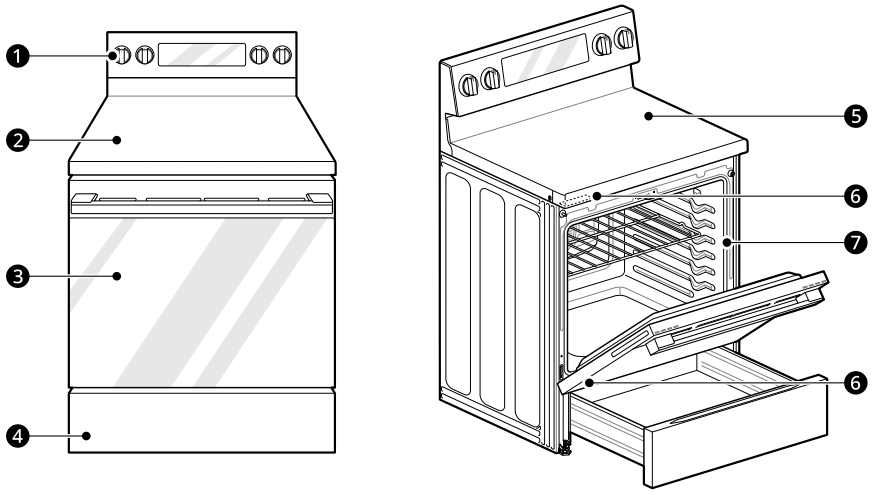
- Do not store items of interest to children in cabinets above a range or on the back guard of a range. Children climbing on the range to reach items could be seriously injured.
- Do not repair or replace any part of the appliance unless specifically recommended in the manual. All other servicing should be performed by a qualified technician.
- Do not use harsh etching, abrasive cleaners or sharp metal scrapers to clean the oven door glass because they can scratch the surface. Scratches may cause the glass to shatter.
- Make sure oven lights are cool before cleaning.
- Do not clean the door gasket. The door gasket is essential for a good seal. Care should be taken not to rub, damage, or move the gasket.
- Clean in the self-clean cycle only parts listed in this manual. Before self-cleaning the oven, remove the broiler pan, all oven racks, the meat probe and any cookware, utensils or food from the oven.

SAVE THESE INSTRUCTIONS

PRODUCT OVERVIEW

Product Features

Exterior & Interior



1. Cooktop Controller
2. Cooktop
3. Oven Door
4. Storage Drawer
5. Glass-ceramic Cooktop
6. Model & Serial Number Plate (location may vary)
7. Gasket

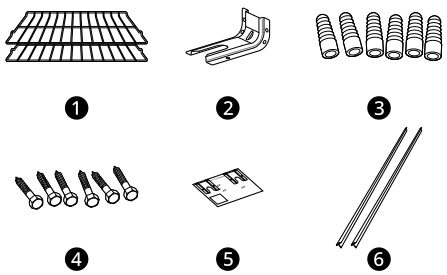
Product Specifications

The appearance and specifications listed in this manual may vary due to constant product improvements.

Oven Range Models	LREN6321**
Description	Electric Range
Electrical requirements	120/240 V:13.0 kW, 120/208 V: 9.8 kW
Exterior Dimensions	29 7/8" (W) x 46 1/2" (H) x 26 3/4" (D) (D with door closed and excluding door handle) 75.9 cm (W) x 118.1 cm (H) x 68.0 cm (D) (D with door closed and excluding door handle)
Height to cooking surface	36" (91.4 cm)
Total capacity	6.3 cu. ft.

Accessories

Included Accessories



❶ Standard Rack (2 ea)

❷ Anti-tip Bracket (1ea)

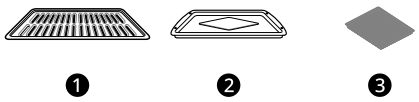
❸ Anchor Sleeves (6 ea)

❹ Lag Bolts (6 ea)

❺ Template (1 ea)

❻ Rubber Gasket (2 ea)

Optional Accessories



❶ Grid

❷ Broiler Pan

❸ Air Fry Tray (1 ea)

NOTE

- Optional accessories are not included with the unit. These accessories are available for purchase on the www.lg.com web page.
- Contact LG Customer Service at 1-800-243-0000 (1-888-542-2623 in Canada) if any accessories are missing.
- For your safety and for extended product life, only use authorized components.
- The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased, unauthorized components or parts.
- The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.

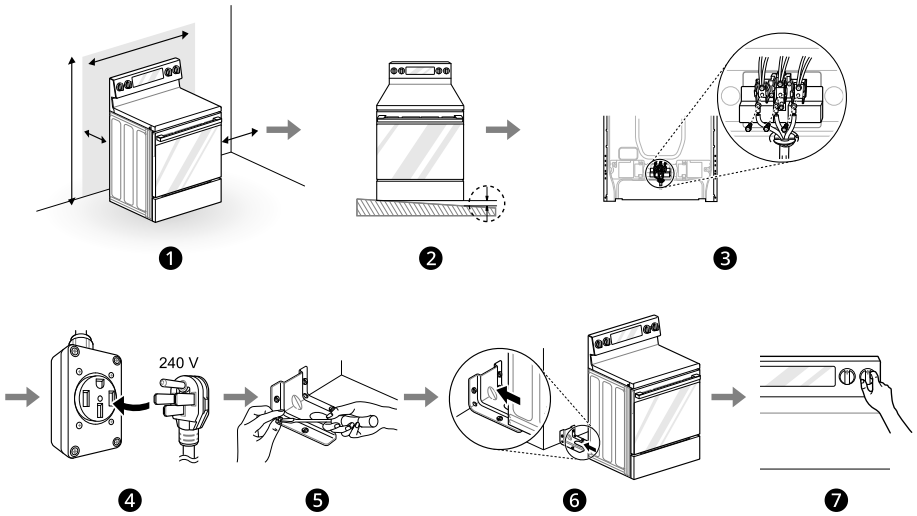
INSTALLATION

Before Installing

Installation Overview

Please read the following installation instructions first after purchasing this product or transporting it to another location.

The images in this guide may be different from the actual components and accessories, which are subject to change by the manufacturer without prior notice for product improvement purposes.



❶ Check and choose the proper location

❷ Level the range

❸ Connect electric range (Only USA)

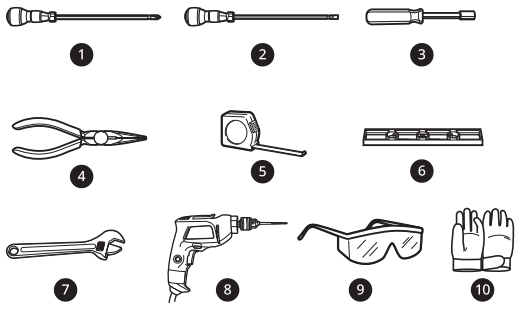
❹ Plug in the power cord

❺ Install anti-tip device

❻ Engage the anti-tip device

❼ Test run

Tools Needed



❶ Phillips Screwdriver

❷ Flat-blade Screwdriver

❸ 1/4" Nut Driver

❹ Pliers

❺ Tape Measure

❻ Level

❼ Adjustable Wrench

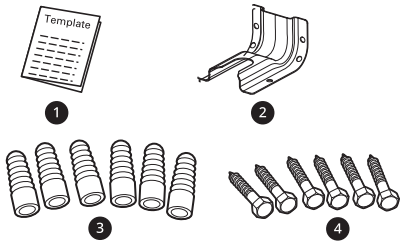
❽ Drill

❾ Safety Glasses

❿ Gloves

Parts

Parts Provided



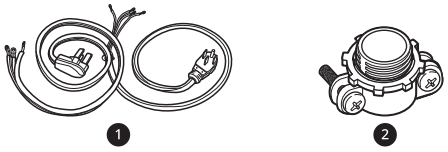
❶ Template (1 ea)

❷ Anti-tip Bracket Kit (1 ea)

❸ Anchor Sleeves (6 ea)

❹ Lag Bolts (6 ea)

Parts Not Provided



❶ 4-Wire Cord or 3-Wire Cord (UL approved 40 or 50 AMP)

❷ Strain Relief (for conduit installations only)

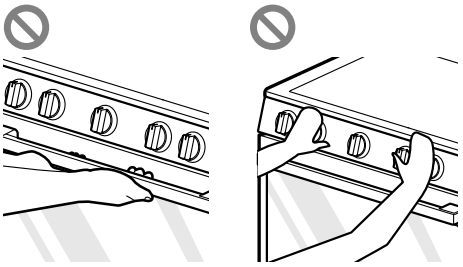
NOTE

- Observe all governing codes and ordinances.
- Have the installer show you the location of the circuit breaker or fuse. Mark it for easy reference.
- As when using any appliance generating heat, there are certain safety precautions you should follow.
- Be sure your range is installed and grounded properly by a qualified installer or service technician.

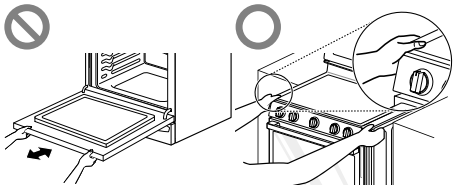
Unpacking and Moving the Range

⚠ WARNING

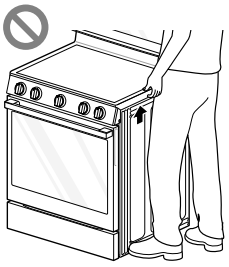
- You should use two or more people to move and install the range. (Excessive Weight Hazard) Failure to do so can result in back or other injury.
- Do not use the door handles or knobs to push or pull the range during installation or when moving the range out for cleaning or service. Doing so can result in serious damage to the range.



- Do not push or pull the range by grabbing the open oven door or cooktop only. Doing so can result in serious damage to the range.



- Do not lift the range using the cooktop or door handle. Doing so can cause damage and improper operation of the range.



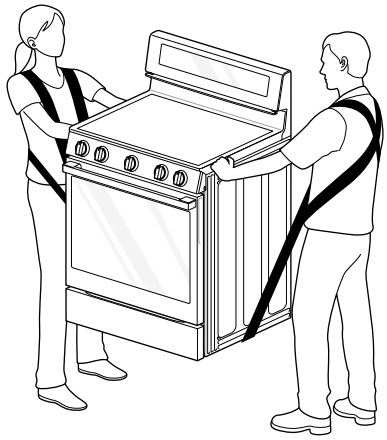
- To reduce the risk of burns, do not move this appliance while it is hot.

NOTE

- The image may differ from the actual model.

NOTE

- Your range is heavy and can be installed on soft floor coverings such as cushioned vinyl or carpeting. Use care when moving the range on this type of flooring. Use a belt when moving the range to prevent damaging the floor. Or slide the range onto cardboard or plywood to avoid damaging the floor covering.



- Remove packing material, tape and any temporary labels from your range before using. Do not remove any warning-type labels, the model and serial number label, or the Tech Sheet that is located on the back of the range.
- To remove any remaining tape or glue, rub the area briskly with your thumb. Tape or glue residue can also be easily removed by rubbing a small amount of liquid dish soap over the adhesive with your fingers. Wipe with warm water and dry.
- Do not use sharp instruments, rubbing alcohol, flammable fluids, or abrasive cleaners to remove tape or glue. These products can damage the surface of your range.

Choosing the Proper Location

Electricity

The range should always be plugged into its own individual properly grounded electrical outlet.

- This prevents overloading house wiring circuits which could cause a fire hazard from overheated wires.
- It is recommended that a separate circuit serving only this appliance be provided.

Electrical Connection Requirements

The range must be installed in accordance with Local US or Canadian Electrical Codes (latest edition). See rating plate for total connected amp rating.

NOTE

- Only a range cord rated at 40 amps with 120/240 minimum volt range is required. If a 50 amp range cord is used, it should be marked for use with 1 $^{3}/_{8}$" diameter connection openings.

Flooring

⚠ CAUTION

- Use an insulated pad or 1/4 in. (0.64 cm) plywood under the range if installing the range over carpeting.

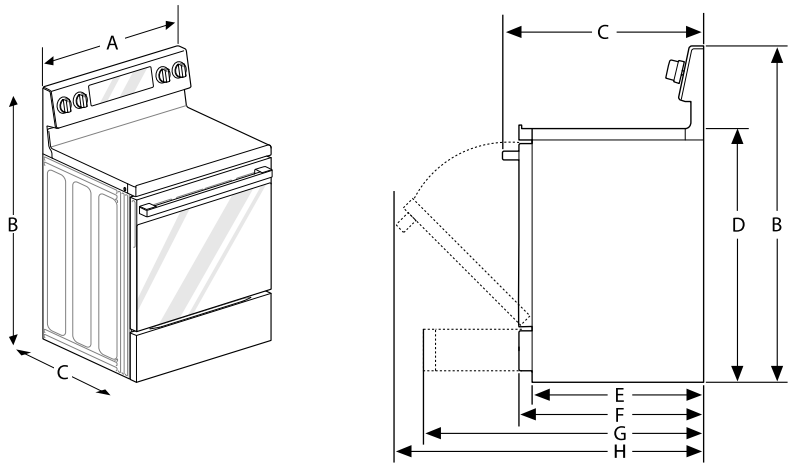
Ambient Temperature

⚠ CAUTION

- Make sure wall coverings, countertops and cabinets around the range can withstand the heat (up to 194 °F) generated by the range. Discoloration, delamination or melting may occur. This range has been designed to comply with the maximum allowable wood cabinet temperature of 194 °F.
- Before installing the range in an area covered with linoleum or other synthetic floor covering, make sure the floor covering can withstand temperatures of at least 200 °F (93 °C).

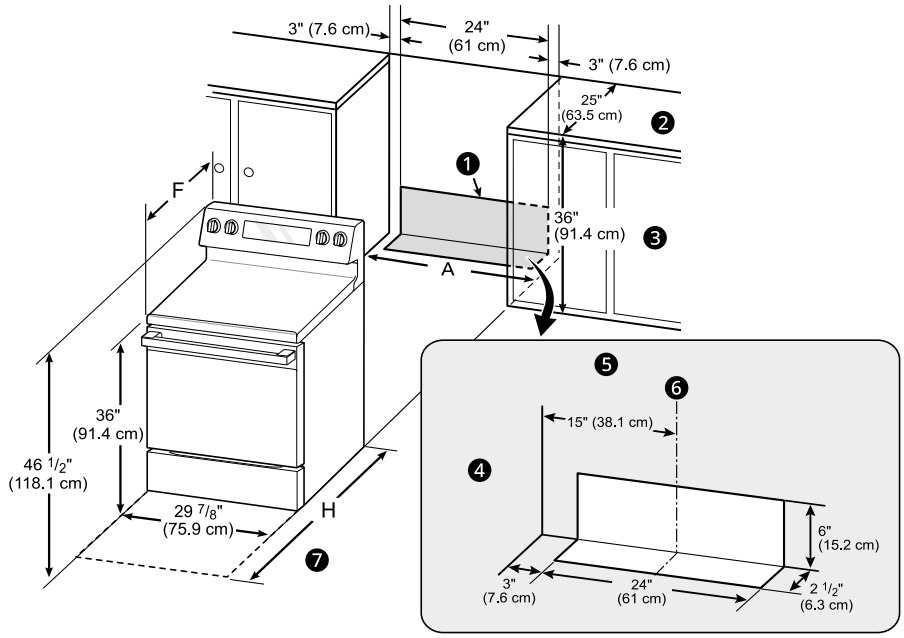
Dimensions and Clearances

Dimensions



-	Dimensions	LREN6321**
A	Width	29 7/8" (759 mm)
B	Height	46 1/2" (1,181 mm)
C	Depth (Includes Door Handle)	29 1/8" (740mm)
D	Height (Excludes Controller)	36" (914 mm)
E	Depth (Includes only the product body that is loaded into the cabinet. Excludes door, drawer, and handles)	24 5/8" (627 mm)
F	Depth (Excludes Door Handle)	26 3/4" (680 mm)
G	Depth when drawer is fully opened	36 13/16" (935mm)
H	Depth when door is fully opened	49 13/16" (1,265 mm)

Clearances



❶ Acceptable electrical outlet area

❷ Normal counter top depth

❸ Counter top height

❹ Cabinet

❺ Wall

❻ Center

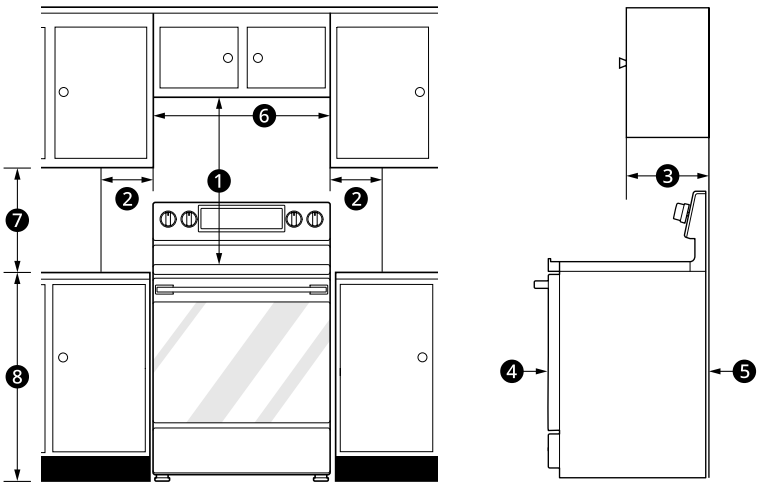
❼ Depth with door open

A (Cabinet opening)

= 30" (76.2 cm) For U.S.A

= 30" (76.2 cm) ~ 31" (78.7 cm) For CANADA

Minimum Dimensions



❶ Minimum distance from top of range to combustible surface overhead	30" (76.2 cm)
❷ Minimum clearance to left/right wall	5" (12.7 cm)
❸ Maximum depth for cabinets above countertops	13" (33.0 cm)
❹ Front edge of the range side panel forward from cabinet	2 1/4" (6.3 cm)
❺ To cabinets below cooktop and at the range back	0"
❻ Minimum opening in overhead cabinets	30" (76.2 cm)
❼ Minimum distance from countertop to overhead cabinets at side	15" (38.1 cm)
❽ Height of countertop	36" (91.4 cm)

NOTE

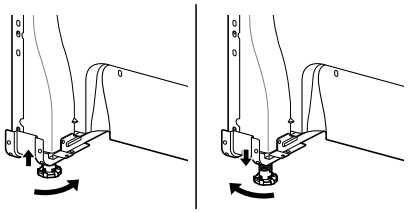
- ❶ 30" (76.2 cm) minimum clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet; or 24" (60.9 cm) minimum when bottom of wood or metal cabinet is protected by not less than 1/4" (0.64 cm) flame retardant millboard covered with not less than no. 28 MSG sheet steel, 0.015" (0.381 mm) stainless steel, 0.024" (0.610 mm) aluminum or 0.020" (0.508 mm) copper.
- ❼ 15" (38.1 cm) minimum between countertop and adjacent cabinet bottom.
- Important – Save for the use of the local electrical inspector.
- For installation in Canada, a free-standing range is not to be installed closer than 15/32" (12 mm) from any adjacent surface.

Leveling

Leveling the Range

Level the range by adjusting the leveling legs with a wrench. Extending the legs slightly may also

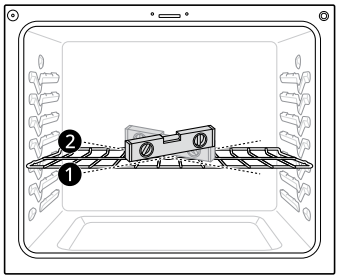
make it easier to insert the rear leg into the anti-tip bracket.



Checking Adjustments

1 Place a level diagonally on the oven rack, and check each direction for level.

- First check direction ❶. Then check direction ❷.



2 If the level doesn't show that the rack is level, adjust the leveling legs with a wrench.

Connecting Electricity

Electrical Requirements

This appliance must be installed and grounded on a branch circuit by a qualified technician in accordance with the National Electrical code ANSI/NFPA NO. 70 - latest edition.

All wiring should conform to local and NEC codes. This range requires a single-phase, 3 wire, AC 120/208 V or 120/240 V 60 Hz electrical system. Use only a 3-conductor or a 4-conductor UL - listed range cord with closed-loop terminals, open-end spade lugs with upturned ends or similar termination. Do not install the power cord without a strain relief.

A range cord rated at 40 amps with 120/240 V minimum range is required.

If a 50 amp range cord is used, it should be marked for use with 1 3/8" diameter connection openings. This appliance may be connected by means of a conduit or power cord. If a conduit is being used, refer to "3-Wire Connection: Conduit" or "4-Wire Connection: Conduit" sections.

⚠ WARNING

- Allow 2 to 3 ft (61.0 cm to 91.4 cm) of slack in the line so that the range can be moved if servicing is ever necessary.
- The power supply cord and plug should not be modified. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.
- Using an extension cord to connect the power is prohibited. Connect the power cord and plug directly.
- Electrical ground is required on this appliance.
- Make sure that the power cord is not pinched by the range or heavy objects. Failure to do so can result in serious burns or electrical shock.

Specified Power Cord Kit Rating

Case 1

- Voltage: 120/240 volts (3-wire)
- Range rating: 8,750 W - 16,500 W
- Specified rating of power supply-cord kit, amperes: 40 A or 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/8"
  - Conduit: 1 1/8"

Case 2

- Voltage: 120/240 volts (3-wire)
- Range rating: 16,501 W - 22,500 W
- Specified rating of power supply-cord kit, amperes: 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/4"
  - Conduit: 1 3/8"

Case 3

- Voltage: 120/208 volts (3-wire)
- Range rating: 7,801 W- 12,500 W
- Specified rating of power supply-cord kit, amperes: 40 A or 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/8"
  - Conduit: 1 1/8"

Case 4

- Voltage: 120/208 volts (3-wire)
- Range rating: 12,501 W - 18,500 W
- Specified rating of power supply-cord kit, amperes: 50 A
- Diameter (inches) of range connection opening
  - Power cord: 1 3/4"
  - Conduit: 1 3/8"

3, 4 - Wire Electrical Wall Receptacle



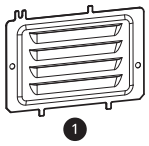
4 Wire receptacle (14-50R)



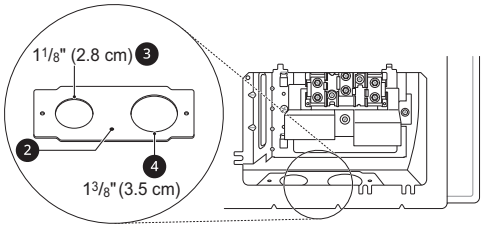
3 Wire receptacle (10-50R)

Connecting the Power Cord / Conduit

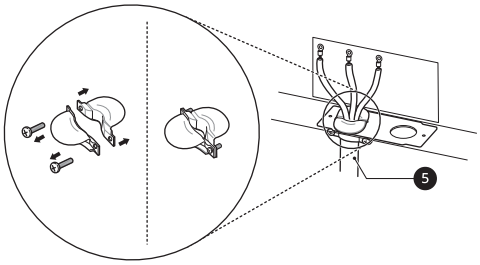
The rear access cover ❶ must be removed. Loosen the two screws with a screwdriver. The terminal block will then be accessible.



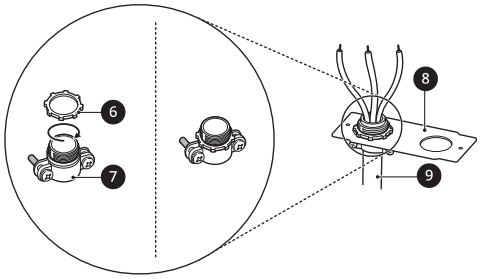
Use the cord/conduit connection plate ❷ to install the power cord or conduit. Leave the connection plate as installed for power cord installations. Remove the connection plate for conduit installations and rotate it to use the smaller 1 1/8 in. (2.8 cm) conduit hole ❸ instead of the 1 3/8 in. (3.5 cm) power cord hole ❹.



For power cord ❺ installations, hook the strain relief over the 1 3/8 in. (3.5 cm) power cord hole located below the rear of the oven. Insert the power cord through the strain relief and tighten it.



For conduit installations, insert the conduit strain relief in the 1 1/8 in. (2.8 cm) conduit hole. Then install the conduit through the body of the strain relief and fasten the strain relief with its ring.



❻ Ring

❼ Body

❽ Cord/Conduit Connection Plate

❾ Conduit

3-Wire Connection: Power Cord

⚠ WARNING

- The white middle (neutral or ground) wire of a 3-wire power cord or a 3-wire conduit has to be connected to the middle post of the main terminal block. The remaining two wires of the power cord or conduit have to be connected to the outside posts of the main terminal connection block. Failure to do so can result in electrical shock, severe personal injury or death.
- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

1 For power cord installations, hook the strain relief over the power cord hole (1 3/8") located below the rear of the oven.

2 Insert the power cord through the strain relief and tighten it.

⚠ CAUTION

- Do not install the power cord without a strain relief.

3 Remove the lower 3 screws from the terminal block and retain them.

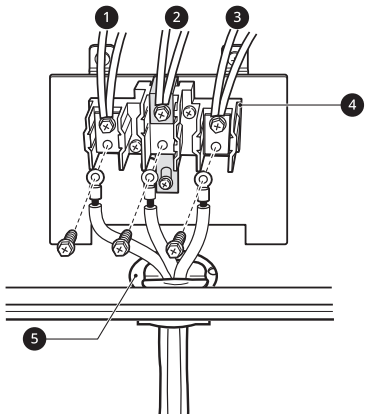
4 Insert the 3 screws through each power cord terminal ring and into the lower terminals of the terminal block.

- Make sure that the white center wire is connected to the center lower position of the terminal block.

5 Tighten the 3 screws securely into the terminal block.

⚠ CAUTION

- Do not remove the ground strap connections.



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Cord/Conduit Connection Plate

4-Wire Connection: Power Cord

⚠ WARNING

- Only a 4-conductor power-supply cord kit rated 120/240 volts, 50 amperes and marked for use with ranges with closed-loop connectors or opened spade lugs with upturned ends must be used. The white middle (neutral) wire of the power cord or 4-wire conduit has to be connected to the middle post of the main terminal block. The other two wires of the power cord or conduit have to be connected to the outside posts of the main terminal connection block. The 4th ground wire (green) must be connected to the frame of the range with the ground screw. Failure to do so can result in electrical shock, severe personal injury or death.
- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

1 For power cord installations, hook the strain relief over the power cord hole (1 3/8") located below the rear of the oven.

2 Insert the power cord through the strain relief and tighten it.

⚠ CAUTION

- Do not install the power cord without a strain relief.

3 Remove the lower 3 screws from the terminal block and retain them.

4 Remove the ground screw and bend the end of the ground strap up so the slot is over the hole of the center screw removed in step 3.

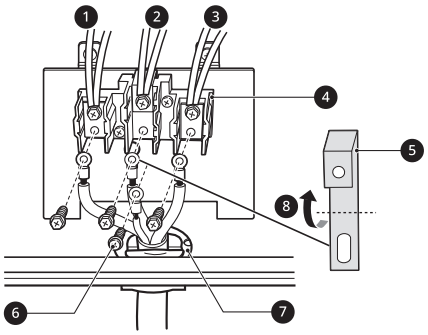
5 Insert the ground screw into the power cord ground wire (green) terminal ring and secure it to the range frame.

6 Insert the 3 screws through each power cord terminal ring and into the lower terminals of the terminal block.

- Make sure that the white center (neutral) wire is connected to the center lower position of the terminal block.

7 Tighten the 3 screws securely into the terminal block.

- The center screw now attaches the bent up ground strap to the block.



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Ground Strap

❻ Ground Screw

❼ Cord/Conduit Connection Plate

❽ Bend strap up and attach.

3-Wire Connection: Conduit

⚠ WARNING

- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

Conduit Installations

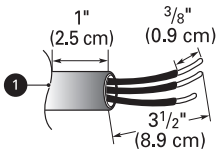
⚠ CAUTION

- Do not install the conduit without a strain relief.

1 Remove the cord/conduit connection plate from the rear of the oven and rotate it.

- The conduit hole (1 1/8") must be used.

2 Prepare the conduit wires as shown below.



❶ Cord/Conduit connection plate

3 Install the conduit strain relief.

1) Insert the strain relief in the 1 1/8 in. (2.8 cm) conduit hole.
2) Install the conduit through the body of the strain relief and fasten the strain relief with its ring.

NOTE

- For conduit installations, purchase a strain relief.

4 Reinstall the cord/conduit connection plate.

Conduit Connections

If the wire in the conduit is copper it must be 8 or 10 AWG wiring.

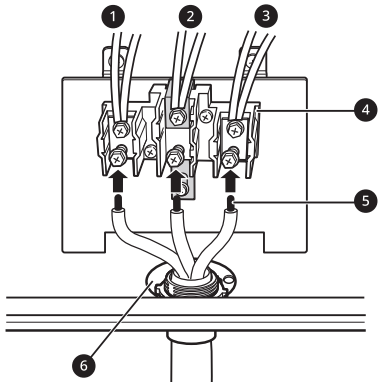
If the wire in the conduit is aluminum it must be 6 or 8 AWG wiring.

1 Loosen the lower 3 screws from the terminal block.

2 Insert the bare wire (white/neutral) end through the center terminal block opening. Do not remove the ground strap connections.

3 Insert the two side bare wire ends into the lower left and the lower right terminal block openings.

4 Tighten the 3 screws securely into the terminal block. (approximately 35 - 50 IN-LB)



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Wire Ends

❻ Conduit Connection Plate

4-Wire Connection: Conduit

⚠ WARNING

- The white middle (neutral) wire of the power cord or 4-wire conduit has to be connected to the middle post of the main terminal block. The other two wires of the power cord or conduit have to be connected to the outside posts of the main terminal connection block. The 4th ground wire (green) must be connected to the frame of the range with the ground screw. Failure to do so can result in electrical shock, severe personal injury or death.
- If screws are not tightened securely, it can result in electrical spark and severe personal injury or death.

Conduit Installations

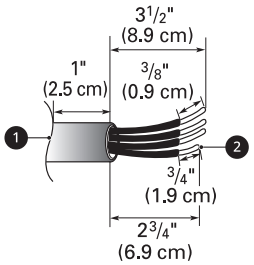
⚠ CAUTION

- Do not install the conduit without a strain relief.

1 Remove the cord/conduit connection plate from the rear of the oven and rotate it.

- The conduit hole (1 1/8") must be used.

2 Prepare the conduit wires as shown below.



❶ Cord/Conduit Connection Plate

❷ Ground Wire

3 Install the conduit strain relief.

1) Insert the strain relief in the 1 1/8 in. (2.8 cm) conduit hole.
2) Install the conduit through the body of the strain relief and fasten the strain relief with its ring.

NOTE

- For conduit installations, purchase a strain relief.

4 Reinstall the cord/conduit connection plate.

Conduit Connections

If the wire in the conduit is copper it must be 8 or 10 AWG wiring.

If the wire in the conduit is aluminum it must be 6 or 8 AWG wiring.

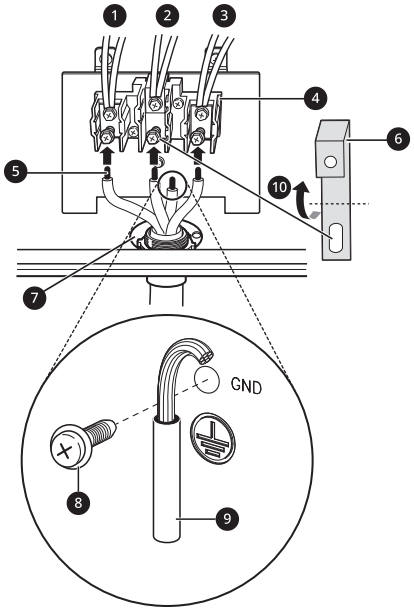
1 Loosen the 2 lower left and right screws from the terminal block. Remove the lower 2 center screws. Do not discard any screws.

2 Remove the ground screw and bend the end of the ground strap up so the slot is over the hole of the center screw removed in step 1.

3 Attach the ground (green) bare wire end to the range frame and secure it in place with the ground screw.

4 Insert the bare wire (white/neutral) end through the center terminal block opening. The center screw now attaches the bent up ground strap to the block.

5 Insert the two side bare wire ends into the left and the right terminal block openings. Tighten the 3 screws securely into the terminal block. (approximately 35 - 50 IN-LB)



❶ Black

❷ White

❸ Red

❹ Terminal Block

❺ Wire Ends

❻ Ground Strap

❼ Conduit Connection Plate

❽ Ground Screw

❾ Ground Wire

❿ Bend strap up and attach.

Anti-tip Device

Installing the Anti-tip Device

Tip Hazard

⚠ WARNING

- A child or adult can tip the range and be killed.



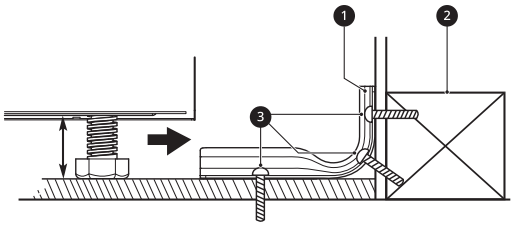
- Install the anti-tip device to the structure and/or the range. Verify the anti-tip device has been properly installed and engaged by following the guide on the anti-tip bracket template.
- Engage the range to the anti-tip device by following the guide on the anti-tip bracket template. Ensure the anti-tip device is re-engaged when the range is moved by following the guide on the anti-tip bracket template.
- Re-engage the anti-tip device if the range is moved. Do not operate the range without the anti-tip device in place and engaged.
- See installation instructions for details.
- Failure to follow these instructions can result in death or serious burns to children or adults.
- Range must be secured with an approved anti-tip device.
- The range could be tipped by standing, sitting or leaning on an open door if the range or anti-tip device is not properly installed.
- The use of this device does not preclude tipping of the range when not properly installed.

- After installing the anti-tip device, verify that it is in place by carefully attempting to tilt the range forward.
- This range has been designed to meet all recognized industry tip standards for all normal conditions.
- The installation of the anti-tip device must meet all local codes for securing the appliance.

Using the Anti-tip Bracket Template

- The anti-tip bracket is packaged with an installation template. The instructions include necessary information to complete the installation. Read and follow the range installation instruction sheet.

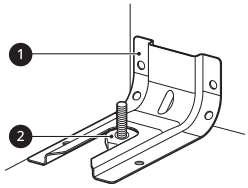
- Screws ❸ must enter wood or concrete.



❶ Anti-tip Bracket

❷ Wall Plate

Engaging the Anti-tip Device



❶ Anti-tip Bracket

❷ Leveling Leg

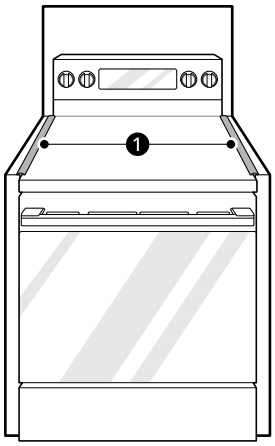
1 Slide the range against the wall, making sure the back leg slides into and engages the anti-tip bracket.

2 Check for proper installation by grasping the front edge of the cooktop and carefully attempting to tilt the range forward.

Rubber Gaskets

Installing the Rubber Gaskets

- Install one of the rubber gaskets provided on each side of the range between the range and the adjoining countertop.



❶ Rubber Gasket

Test Run

Test the Range Before Use

Check if the range is properly installed and run a test cycle.

1 Before using the cooktop for the first time, clean it with a ceramic cooktop cleaner. This helps protect the top and makes cleanup easier.

2 Press **CLEAR/OFF**.

3 Turn each knob to the **HI** position to check that the surface heating elements are working properly. The elements should glow red and radiate heat, and they should cycle on and off periodically even when the knob is in the **HI** position. This cycling prevents the glass-ceramic from being cracked by thermal shock.

NOTE

- The Warm Zone does not consume enough power to glow red.

4 After checking all the surface heating elements, check the locking system by pressing **CLEAR/OFF** for three seconds. The oven controller should lock while the Control Lock function is turned on. Press **CLEAR/OFF** for three seconds to disable Control Lock.

5 Now check the oven's operation. Press **Bake** button once. 350 °F appears in the display. Press **START**.

6 The oven should finish preheating in 15 minutes, and the convection fan should operate while the oven is preheating.

7 After checking the oven's operation, turn the temperature up to 450 °F and leave the oven on for at least an hour to help remove any oil which might cause smoke and odors when first using the oven.

NOTE

- Smoke may come out of the range when it is first used.