OFFICINE GULLO
FIRENZE

INSTRUCTIONS
FOR INSTALLATION

FIORENTINA

OGG/OGS 304FCU - OGG/OGS 366FCU
OGG/OGS 486FCU - 2OGG/2OGS 304FCU

RANGE WITH ELECTRIC OVEN FOR RESIDENTIAL USE

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IMPORTANT: Save these instructions for the local electrical inspector use.

INSTALLER: Please leave this manual with owner for future reference.

OWNER: Please keep this manual for future reference.

GLOSSARY OF TERMS: **NG - Natural Gas**
LP - Liquid Propane

Pay attention to these symbols present in this manual:

⚠ DANGER

You can be killed or seriously injured if you don't IMMEDIATELY follow instructions.

⚠ WARNING

This is the safety alert symbol. This symbol alerts you to potential hazards that can kill or hurt you and others. You can be killed or seriously injured if you don't follow these instructions.

READ AND SAVE THESE INSTRUCTIONS.

To installer:
Leave these instructions with the appliance.

To customer:
Retain these instructions for future reference.

⚠ WARNING

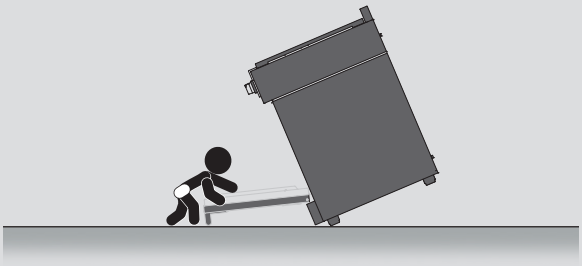
If the information in this manual is not followed exactly, a fire or explosion may resulting in product and property damage and / or personal injury or death.
Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.

Anti-Tip Bracket Installation

⚠ WARNING

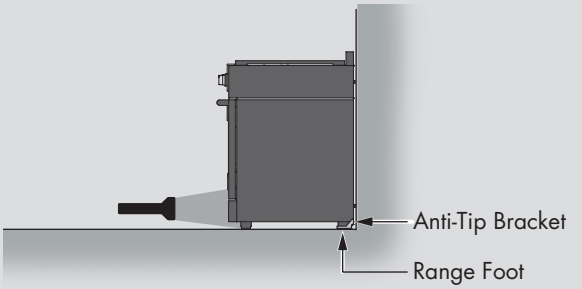
Tip Over Hazard

A child or adult can tip the range and be killed.
Ensure the anti-tip bracket is engaged when the range is moved.
Do not operate range without anti-tip bracket installed and engaged.
Failure to follow these instructions can result in death or serious burns to children and adults.



To verify the anti-tip bracket is installed and engaged:

- Slide range forward.
- Look for the anti-tip bracket securely attached to floor or wall.
- Slide range back so rear range foot is under anti-tip bracket.
- See installation instructions for details.



IMPORTANT INSTRUCTION

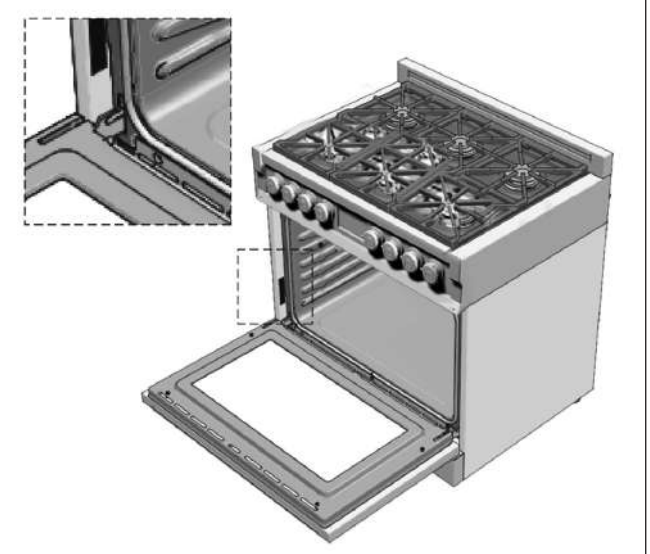
Please read all instructions before using this appliance.

Proper installation is your responsibility. Have a qualified technician install this range.

IMPORTANT

- Observe all governing codes and ordinances.
- Write down the model and serial numbers before installing the range. Both numbers are on the serial rating plate refer to the illustration below.

LOCATION OF RATING PLATE



Before Starting Installation

- Check location where range will be installed. The location should be away from strong drafty areas, such as windows, doors and strong heating vents or fans.
- Electrical grounding is required. See "Electrical Requirements".
- Refer to manufacturer specifications of flexible gas line to ensure sufficient gas flow is provided to the appliance.
- Assure that electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 - latest edition**, or Canadian Electrical Code, part 1 C22.1 (latest edition)*** and all local codes and ordinances.
- Assure that gas connection conforms with local codes and ordinances. In the absence of local codes, installations must conform with American National Standard, National Fuel Gas Code ANSI Z223.1/NFPA 54 - latest edition** Canadian CAN/ CGA_B 149.1 or CAN/CGA-149.2 latest edition**

Copies of the standards listed may be obtained from:

** National Fire Protection Association One Batterymarch Park Quincy, Massachusetts 02269

*** CSA International 8501 East Pleasant Valley Rd. Cleveland, OH 44131-5575

NOTE: This range is manufactured for use with Natural gas or Propane.
To convert to LP (propane) or NG (natural gas), see instructions in the gas conversion kit provided in the literature package. Proper gas supply connection must be available. See gas supply requirements.

WARNING

Before connecting the appliance to the gas supply line, ensure that its gas setting is appropriate.
The type of gas adjusted and shipped from the factory is indicated on the rating plate.

Mobile Home Installation

The installation of this appliances must conform to the Manufactured Home Construction and Safety Standards, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety; Title 24 HUD part 280); or when such standard is not applicable, the Standard for Manufactured Home Installations (Manufactured Home Sites, Communities and Setups), ANSI A225.1 - latest edition, or with local codes.
When this range is installed in a mobile home, it must be secured to the floor during transit. Any method of securing the range is adequate as long as it conforms to the standards listed above.

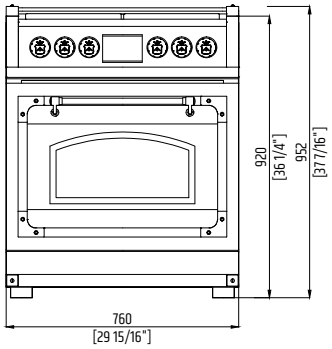
In Canada, the installation of this appliances must conform with the current standards CAN/CSA-Z240 - latest edition, or with local codes.

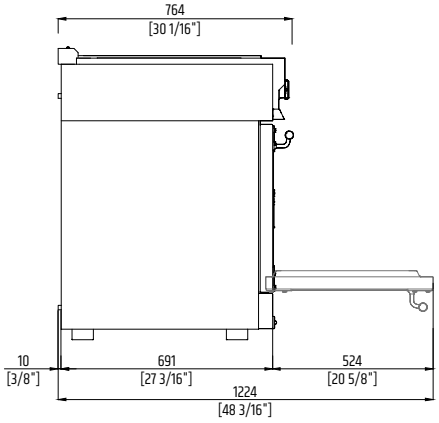
Recreational Park Trailers

The installation of this appliances designed for Recreational Park Trailers must conform with state or other codes or, in the absence of such codes, with the Standard for Recreational Park Trailers, ANSI A119.5.

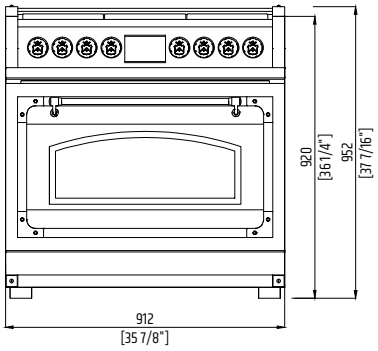
PRODUCT DIMENSIONS

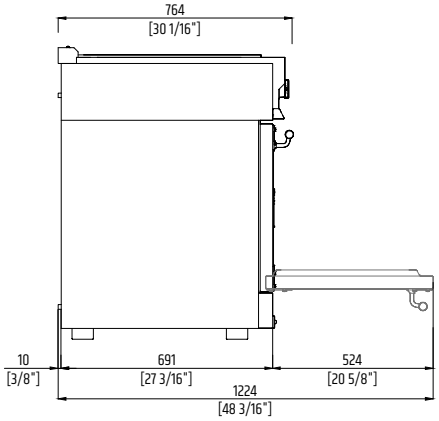
30″ RANGE



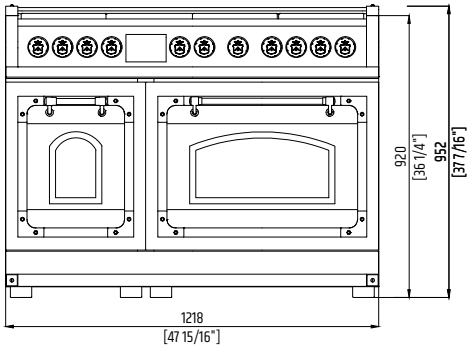


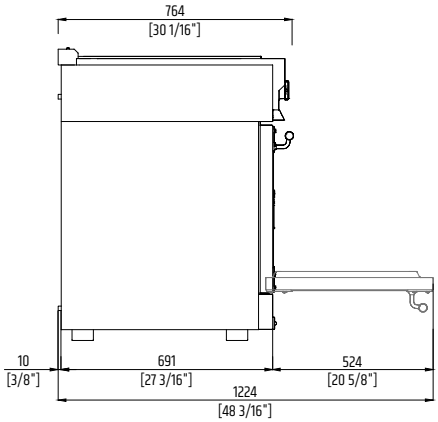
36″ RANGE



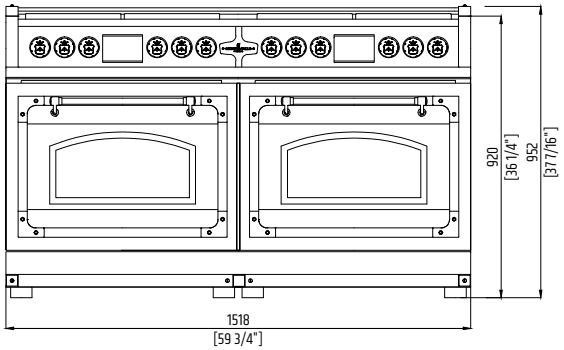


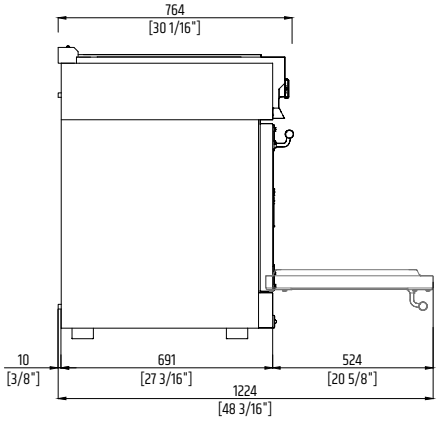
48″ RANGE





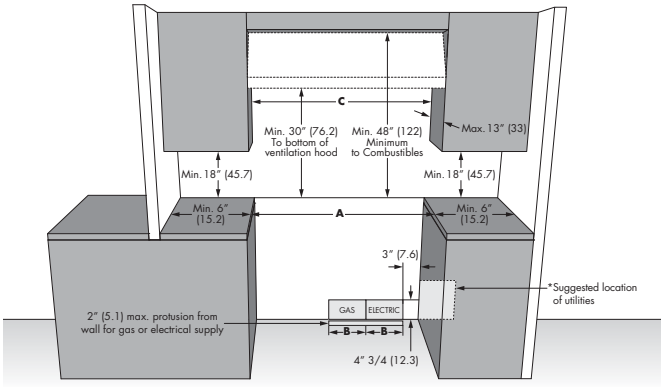
60″ RANGE



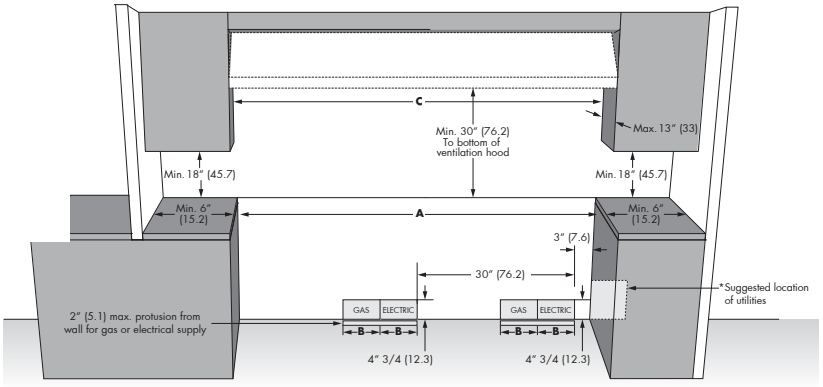


CUTOUT REQUIREMENTS

30" 36" 48" RANGE



60" RANGE



**NOTE: Ensure your installation also complies with local and national building and fire codes.
The surface of the entire back wall above the range and below the hood must be covered with a noncombustible material.

*Consult local code for exact location requirements.

OPENING WIDTH	A & C	B
Range 30"	30" 1/16" (76.4)	6" (15.2)
Range 36"	36" 1/16" (91.6)	7" (17.8)
Range 48"	48" 1/8" (122.2)	7" (17.8)
Range 60"	60" (152.4)	2x6" (15.2)

Note: Clearances from non-combustible materials are not part of the ANSI Z21.1 scope and not certied.
Clearances to non-combustible materials must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54.

Minimum clearances:

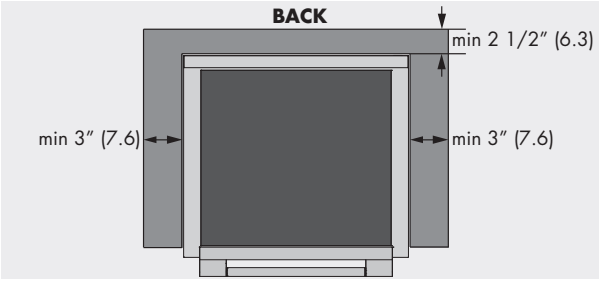
Above cooking surface (above 36" [91.4 cm])

- Sides - 6" (15.2 cm)
- Within 6" (15.2 cm) side clearance, wall cabinets no deeper than 13" (33.0 cm) must be minimum 18" (45.7 cm) above cooking surface
- Wall cabinets directly above product must be a minimum of 48" (122 cm) above cooking surface, no deeper than 13" (33.0 cm).
- Rear - 0" with 9 " backguard; 0" with non-combustible rear wall.
- Below cooking surface (36" [91.4 cm] and below)
- Install with zero clearance between adjacent combustible construction below the cooking surface and the back and sides of the appliance.

ADDITIONAL CLEARANCES:

For island installation, maintain 2-½ in. minimum from cutout to back edge of countertop and 3 in. minimum from cutout to side edges of countertop (see top view).
For installation in a stepped island, 12" (30.5 cm) minimum clearance is required from the back or sides of the range to a combustible riser. The island installation is not part of the ANSI Z21.1 scope and not certied.

FLUSH ISLAND INSTALLATION



Before moving the range, protect any finished flooring and secure oven door(s) closed to prevent damage.

Vent hood Combinations:
It is recommended that these ranges be installed in conjunction with a suitable overhead vent hood.
Due to the high heat capacity of this unit, particular attention should be paid to the hood and ductwork installation to assure it meets local building codes.
A hood with suitable capture area and capable of at least 450 cfm is suggested to effectively evacuate odors, steam and heat. Choosing to install a hood of lower cfm or configured for recirculating may compromise the effectiveness of eliminating the aforementioned factors.

Note: some State / Provincial building codes will require make up air systems be installed for hoods above a certain cfm threshold (300 cfm is typical).
It is your responsibility to understand and comply with the local requirements for gas, electrical and ventilation where these appliances are being installed.s.

⚠ WARNING

Air curtain or other overhead hoods, which operate by blowing a downward air flow on to a range, shall not be used in conjunction with ranges with gas cooktop other than when the hood and range have been designed, tested and certified by an independent test laboratory for use in combination with each other.
Clearances to horizontal surfaces above the range, measured to the cooking surface are below. Failure to comply may result in fire hazard.

- Installations without a hood require 48" (122) minimum to combustibles.
- For other installations with a hood, refer to the hood installation instructions for specific hood clearances.

⚠ CAUTION

These ranges weigh up to 530 pounds. Some disassembly will reduce the weight considerably. Due to the weight and size of the range and to reduce the risk of personal injury or damage to the product:

TWO PEOPLE ARE REQUIRED FOR PROPER INSTALLATION.

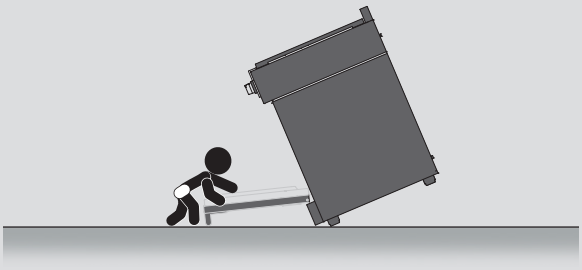
Anti-Tip Bracket Installation

⚠ WARNING

Tip Over Hazard

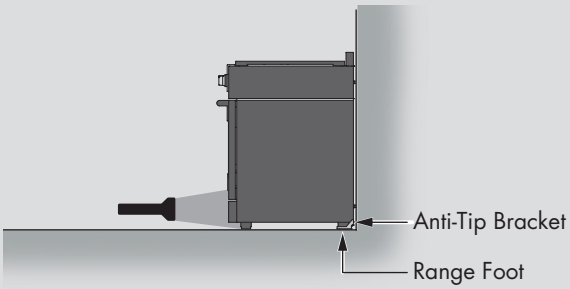
A child or adult can tip the range and be killed.
Ensure the anti-tip bracket is engaged when the range is moved.
Do not operate range without anti-tip bracket installed and engaged.
Failure to follow these instructions can result in death or serious burns to children and adults.

⚠ WARNING

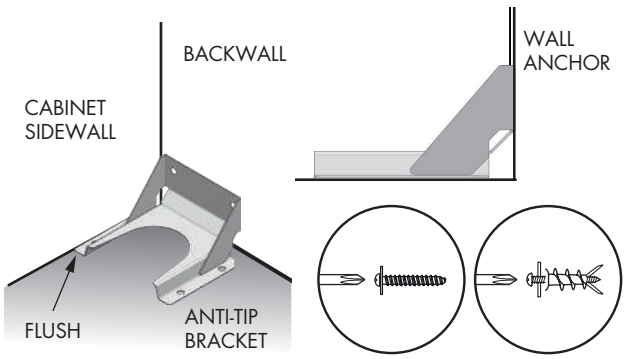


To verify the anti-tip bracket is installed and engaged:

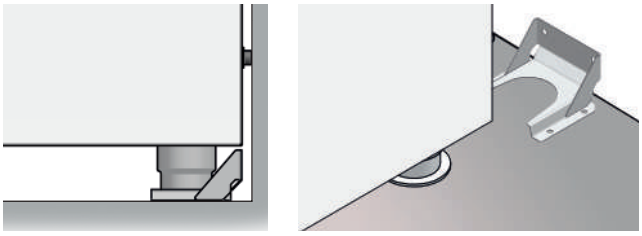
- Slide range forward.
- Look for the anti-tip bracket securely attached to floor or wall.
- Slide range back so rear range foot is under anti-tip bracket.
- See installation instructions for details.



ANTI-TIP BRACKET INSTALLATION



For Concrete or Cement Construction:
You must use appropriate fastening hardware (not provided).
Secure the bracket to the wall and/or floor with at least 4 wood screws (provided).



The anti-tip bracket should be inserted into the opening on the anti-tip brace on the range.

⚠ WARNING

- **Excessive Weight Hazard**

  Use two or more people to move and install range.

  Failure to do so can result in back or other injury.

- **Cut Hazard**

  Beware of sharp edges. Use the polystyrene ends when carrying the product. Failure to use caution could result in minor injury or cuts.

Do not obstruct the flow of combustion air at the oven vent nor around the base or beneath the lower front panel of the range. Avoid touching the vent openings or nearby surfaces as they may become hot while the oven is in operation. This range requires fresh air for proper burner combustion.
NEVER cover any slots, holes or passages in the oven or cover an entire rack with aluminum foil. Doing so blocks air flow through the oven and may cause carbon monoxide poisoning. Aluminum foil linings may also trap heat, causing a fire hazard.

CHOOSING RANGE LOCATION

Carefully select the location where the range will be placed.
The range should be located for convenient use in the kitchen, but away from strong drafts.
Strong drafts may be caused by open doors or windows, or by heating and/or air conditioning vents or fans.

⚠ IMPORTANT NOTE

When installing against a combustible surface, a minimum riser is required for a the range, Follow all minimum clearances to combustible surfaces shown in the illustration on the previous pages.

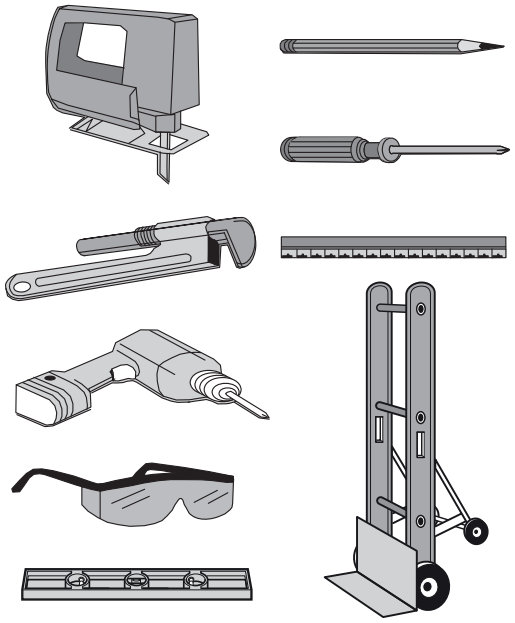
Before moving the range, protect any finished flooring and secure oven door(s) closed to prevent damage.

Do not lift or carry the range door by the door handle.

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 inches beyond the bottom of the cabinets.

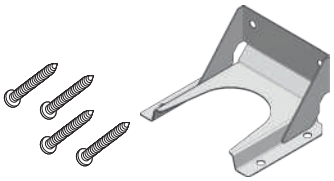
All openings in the wall or floor where the range is to be installed must be sealed.

TOOLS WILL YOU NEED

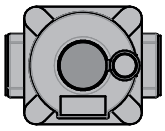


Remove packaging materials and literature package from the cooktop before beginning installation.
Remove Installation Instructions from the literature pack and read them carefully before you begin

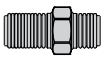
MATERIALS PROVIDED



Anti-tip bracket brace and screws



Appliance pressure regulator

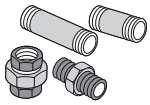


Flare union adaptor

Gasket

MATERIALS REQUIRED (not provided)

Joint Sealant



Pipe Fittings

Shut-Off Valve

from 3-foot to 5-foot maximum (*) lengh, 5/8'' O.D. CSA-approved flexible metal gas supply.
* If a longer connection line is used it may result in noticeably reduced performance if using many of the burners simultaneously.

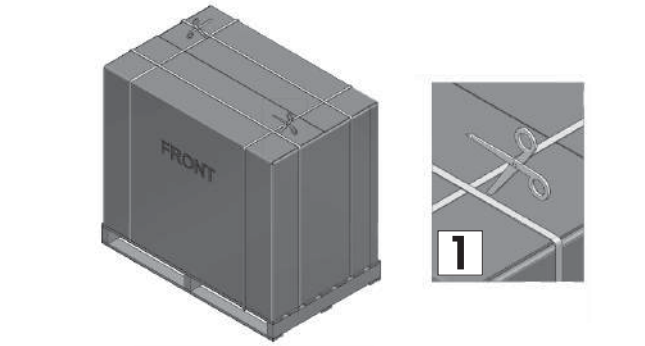
NOTE: Purchase new flexible line; do not use previously used flexible gas line.

STEP 1

Cut the banding (1) and remove the Installation Instructions from the top of range and read them carefully before you begin.

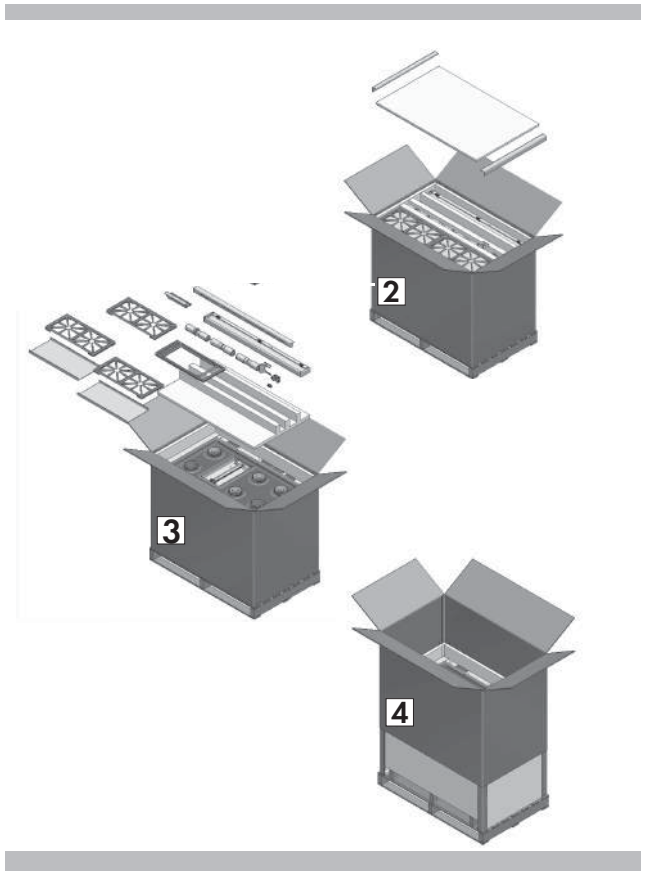
⚠ CAUTION

Stand clear. The ends of the cut banding may snap toward you.



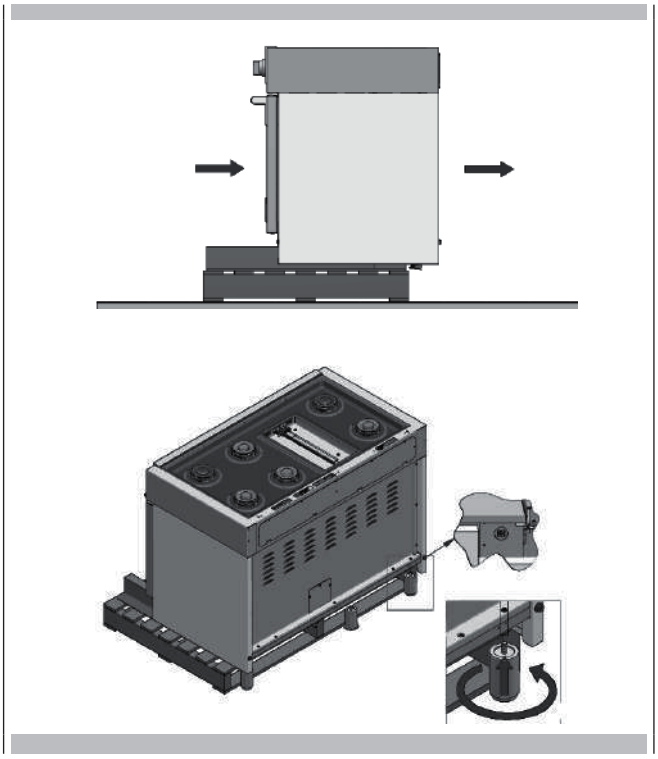
STEP 2

Open the top (2) and remove the accessories (3) then lift off the cardboard sheath (4).



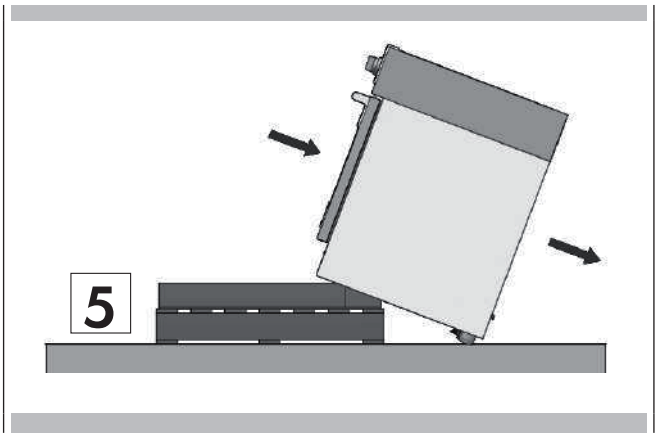
STEP 3/4 (For 48" range only)

Slide the range back just enough to allow the rear feet to be installed.



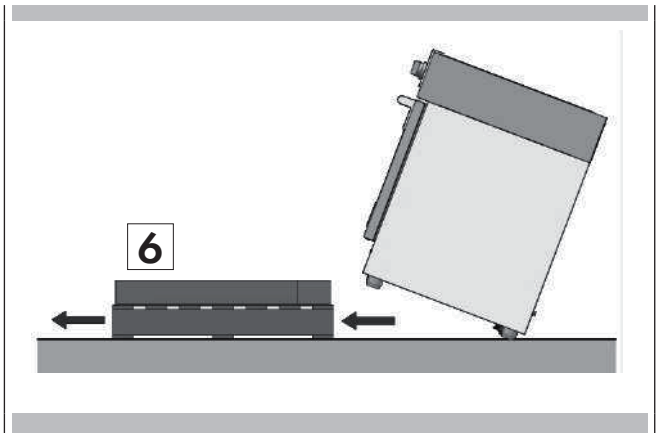
STEP 5

Slide back more and tilt back (5), putting the rear legs on the floor and then mount the front legs while in this angled position supported by the rear legs and the skid.



STEP 6/7

Remove the base while supporting the front of the range (6) and lower to the floor in a controlled manner.



STEP 8

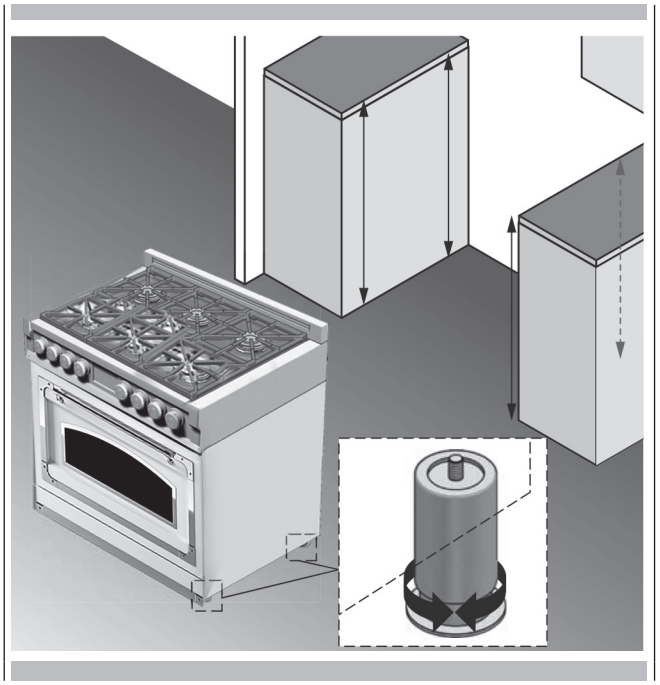
After completing the electrical and gas connections (see included instructions) measure the four corners in cutout area to verify if flooring is level. Adjust the leveling legs to the desired height and ensure range is level. Turn the bottom section of each leg counter-clockwise to raise the leg and clockwise to lower it.

⚠ IMPORTANT

When the unit first powers on, it must complete a safety door lock test. Ensure doors are reinstalled if they were removed to ease movement of the range prior to sending power to the appliance. Do not open the oven door or attempt to use the oven until you are sure the test has been completed successfully. Opening / closing the door during the test could result in damage to the lock mechanism. Refer to the instruction manuals for more details if needed.

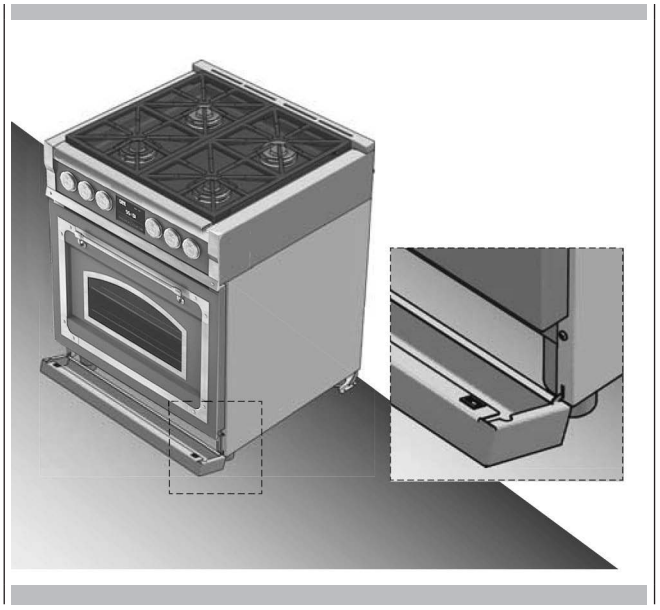
STEP 9

Ensure floor is protected. Slide unit into place making sure to engage the anti-tip bracket.



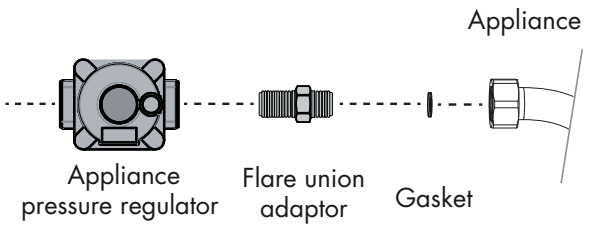
STEP 10

Hook tabs on bottom of toekick into slots on either side of the frame and rotate up until the magnets at the top of toekick make contact and hold it in place securely



QUALIFIED SERVICE MAN OR GAS APPLIANCE INSTALLER MUST MAKE THE GAS SUPPLY CONNECTION.

Leak testing of the appliance shall be conducted by the installer according to the instructions given.
You must install the supplied connection parts seen here in this configuration to the main gas manifold on the appliance. Issues arising from a failure to do so will not be covered by warranty.
Do not install the pressure regulator backwards as the gas will not flow correctly. Check that the arrow on the back points in the direction of gas flow.
Parts required for connection from gas supply to regulator are the responsibility of the installer / owner



⚠ ATTENTION

Use Teflon tape rated for gas applications at all threaded connections. Do not overtighten the connection at the manifold or you could damage the gasket causing a leak.

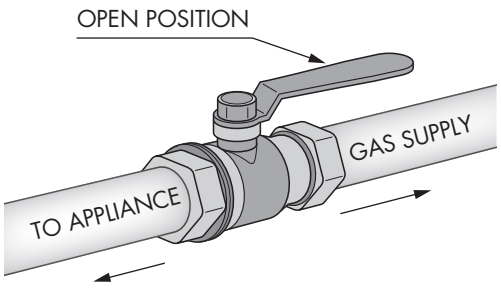
⚠ WARNING

If the line pressure supplying the appliance pressure regulator exceeds 14 inches W.C. (any gas), an external regulator must be installed in the gas line ahead of the appliance regulator to reduce the pressure to no more than 14 inches W.C. Failure to do this can result in malfunction and damage to the appliance.

Important Notes for Gas Connection

The appliance and its individual gas shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).
The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

GAS SHUT OFF VALVE



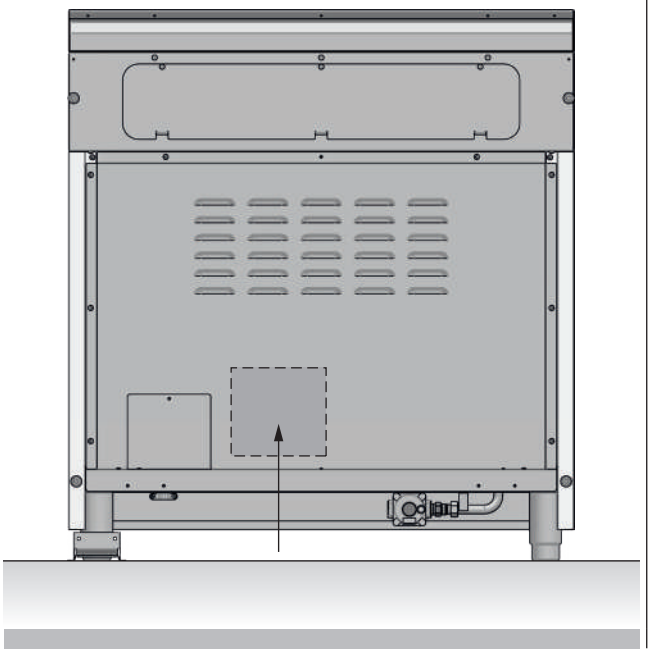
All supply piping, except as noted, should use common National Pipe Thread (N.P.T.). For all pipe connections use an approved pipe joint compound resistant to the action of LP gas.

This appliance is designed for use with NG gas or LP gas.
The gas pressure regulator is supplied with this appliance.
It must be installed in the gas ahead of the manifold entrance. It is pre-set for use with natural gas. To use it with different gas it must be converted, as described in the Gas Conversion paragraph.
If at any time the appliance is to be used with a different type of gas, all the conversion adjustments must be made by a qualified technician before attempting to operate the range with that gas.
The gas should be supplied to the appliance's pressure regulator at line pressure between 6 and 14 inches of water column for NG, and between 11 and 14 inches of water column for LP.

GAS REQUIREMENTS	
NATURAL GAS	**WC**
Manifold Pressure	5" (12.5 mb)
Min Line Pressure	6" (15 mb)
Max Line Pressure	14" (34.9 mb), .5 psi (3.5 kPa)

LP GAS	**WC**
Manifold Pressure	10" (25 mb)
Min Line Pressure	11" (27.4 mb)
Max Line Pressure	14" (34.9 mb), .5 psi (3.5 kPa)

LOCATION OF GAS RATING PLATE



IMPORTANT

NEVER REUSE OLD CONNECTORS WHEN INSTALLING THIS RANGE.

To reduce the likelihood of gas leaks, apply teflon tape or a thread compound approved for use with LP or Natural gases to all threaded connections.
Apply a non-corrosive leak detection fluid to all joints and fittings in the gas connection between the supply line shut-off valve and the cooktop inlet.
Check for leaks!
Bubbles appearing around fittings and connections will indicate a leak. If a leak appears, turn off supply line gas shut-off valve, tighten connections, turn on the supply line gas shutoff valve, and retest for leaks. Never test for gas leaks with an open flame.

NEVER TIGHTEN TO MORE THAN 35 ft lbs OF TORQUE

CAUTION

Do not attempt to attach the flexible connector directly to an external pipe thread.
Connection requires flare union adapters.
For Massachusetts Installations:

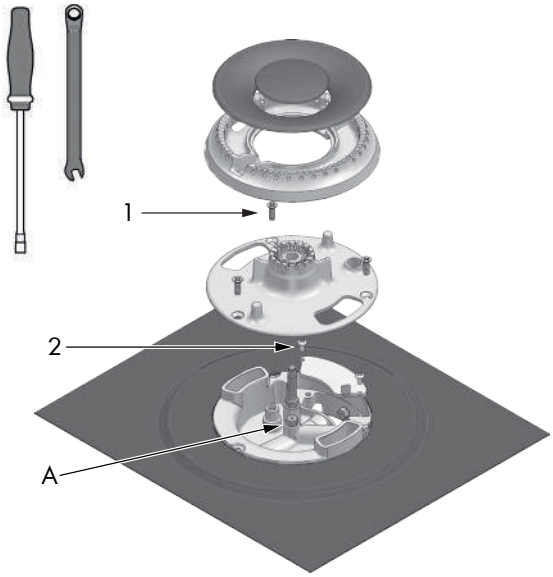
1. Shut-off valve must be a "T" handle gas valve.
2. Flexible gas connector must not be longer than 36 inch.
3. Not approved for installation in a bedroom or a bathroom unless unit is direct vent.

Pressure Testing

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 PSIG (3.5 kPa).
This appliance, as well as its individual shut-off valve, must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 PSIG (3.5 kPa).
When checking appliance regulator function, make certain pressure of natural gas supply is between 6 and 14 inches of water column or, if converted for LP gas, between 11 and 14 inches.

THE PRESSURE TESTING SHOULD BE PERFORMED BY MEANS OF THE INJECTOR THREAD ZONE

EXPLODED VIEW OF BURNER



Pressure Test Method

- Remove grate and burner cap (**1**).
- Remove aluminum gas spreader (**2**).
- Temporarily remove the injectors (**A**).
- Connect the pressure Test instrument into injector holder thread zone (M6x0,75).
- Check if the cooktop has the correct pressure.
- Fix the injector removed for testing and replace the parts in the right position.

Gas Connection

- Thread the appliances pressure regulator with 1/2" male end connection both supplied with this appliance.
- Join the pressure regulator to the entrance threads of the Gas Manifold with gasket supplied with this appliance. The regulator is marked with a directional arrow indicating correct direction of gas flow. Ensure the appliance regulator is installed with the arrow pointing toward the gas manifold entrance.
- Connect a manual shut-off valve to the gas supply in an accessible location for turning on or shutting off gas to the appliance.
- Install a coupling between the regulator and the shutoff valve to complete the connection.
- Assure all pipe joint connections are gas tight.
- Check alignment of valves after connecting the cooktop to the gas supply to be sure the manifold pipe has not been moved.

FOR ALTERNATIVE PIPING METHODS TO CONNECT THE APPLIANCE TO THE GAS SUPPLY, A TRAINED SERVICE TECHNICIAN OR GAS APPLIANCE INSTALLER MUST MAKE THE GAS SUPPLYCONNECTION. Leak testing of the appliance shall be conducted by the Installer according to the Instructions given.

Unless prohibited by local codes or ordinances, a new A.G.A. - Certified, flexible metal appliance connector may be used to connect this appliance to its gas supply.
The connector must have an internal diameter not less than nominal 1/2" NPT pipe and be no more than 5 feet in length.
A 1/2" NPT x 1/2" flare union adapter is required at each end of the flexible connector.

If a flexible connector is used assure that both the appliance pressure regulator and manual shut-off valve are joined solidly to other permanent hard piping (either gas supply or the appliance manifold) so as to be physically stationary.

⚠ CAUTION

Do not attempt to attach the flexible connector directly to an external pipe thread.
Connection requires flare union adapters.

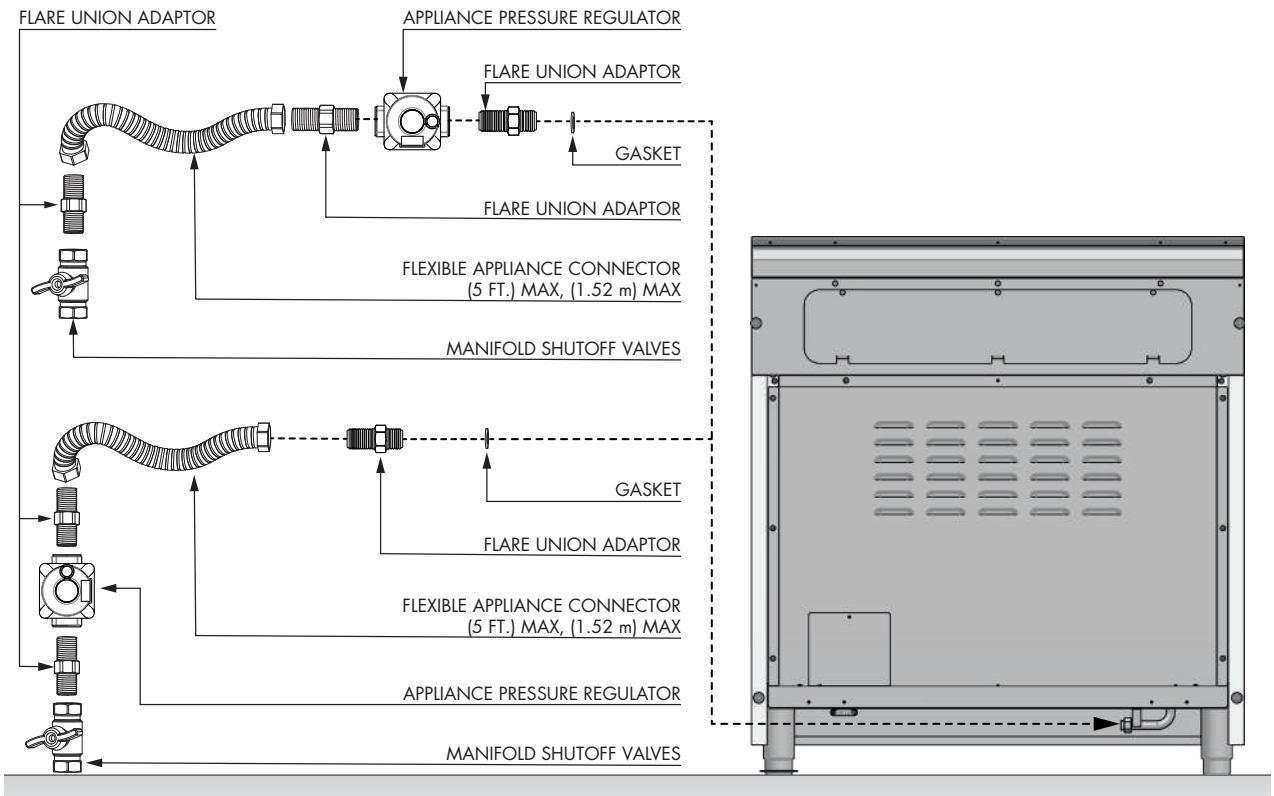
MAXIMUM GAS POWER	
NATURAL GAS	
30"	74,000 Btu/h
36"	112,000 Btu/h
48"	123,500 Btu/h

PROPANE GAS	
30"	60,000 Btu/h
36"	90,000 Btu/h
48"	101,500 Btu/h

For Massachusetts Installations:

1. Shut-off valve must be a "T" handle gas valve.
2. Flexible gas connector must not be longer than 36 inches.
3. Not approved for installation in a bedroom or a bathroom unless unit is direct vent.

GAS CONNECTION



Converting Appliance for Use with LP Gas

⚠ WARNING

Conversion is to be performed by an AUTHORIZED SERVICER (or other qualified agency) in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury or property damage.
The qualified agency performing this work assumes responsibility for this conversion.

⚠ CAUTION

Before proceeding with the conversion, shut off the gas supply to the appliance prior to disconnecting the electrical power.

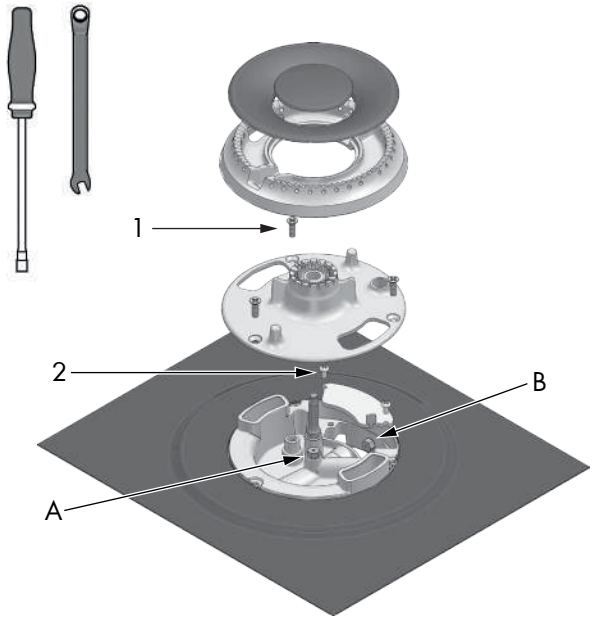
If this appliance is to converted for use with gas LP (propane or butane), each of the following modifications must be performed:

Gas conversion label (aluminium) to be placed on the back of the appliance, near the data plate, after conversion has been carried out;

Replace Injectors (two ring flame burner)

1. Remove the grates and burner caps.
2. Remove aluminium gas spreader.
3. Remove the three screws from the simmer gas spreader (**1**).
4. Remove the two screws of the injector cover (**2**).
5. Remove injector (**A**) by using a 9-32" (7mm) nut driver counter clockwise.
6. Remove injector (**B**) by using a 9-32" (7mm) box wrench counter clockwise.
7. Install the injectors supplied with this appliance in the appropriate burner. The injectors have small numbers stamped on the side, this number corresponds with the orifice diameter and its correct burner location (refer to illustrations in the section: "Injectors Position").
8. Turn clockwise to tighten (tighten to a torque of 15 to 20 inch-lbs).
9. Replace all parts following the reverse order.
10. Save the injectors removed from the appliances for future use.

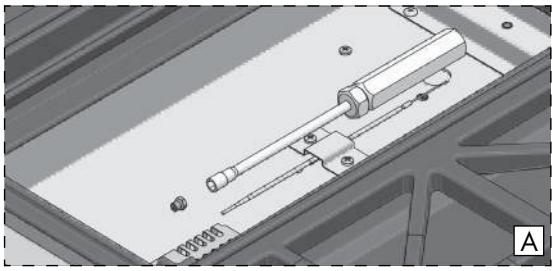
EXPLODED VIEW OF BURNER

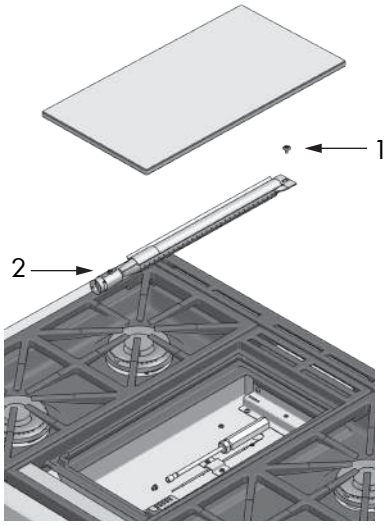


Replace Injector (griddle)

1. Remove griddle plate.
2. Remove the burner fixing screw (1).
3. Remove the springs (2) from thermocouple and ignitor to shift the burner.
4. Remove injector (A) by using a 9-32" (7mm) nut driver counter clockwise.
5. Install the injector supplied with this appliance. The injector has small numbers stamped on the side, this number corresponds with the orifice diameter.
6. Turn clockwise to tighten (tighten to a torque of 15 to 20 inch-lbs.)
7. Replace all parts following the reverse order.
8. Save the injectors removed from the appliances for future use.

EXPLODED VIEW OF BURNER





Proceed to Pressure Regulator Conversion noting the LP / Propane position to complete the conversion.

After replacing the injectors adjust the burner flame (see Low Flame Adjustment paragraph).
Check the appearance of each burner's flame at HILO settings, if the flame appears too large or too small make sure that all steps were completed correctly.

Converting Appliances for Use with NG Gas

If this appliance should be converted for use with gas NG (natural gas), each of the following modifications must be performed.

1. Convert the pressure regulator to NG position as per the section "Pressure Regulator Conversion".
2. Replace all injectors following the step described on the previous pages, observe the number stamped on the side, this number corresponds to the orifice diameter and its correct burner location (refer to the illustrations in section: "Injectors Position").
3. Adjust the burner flame (see Low Flame Adjustment section).

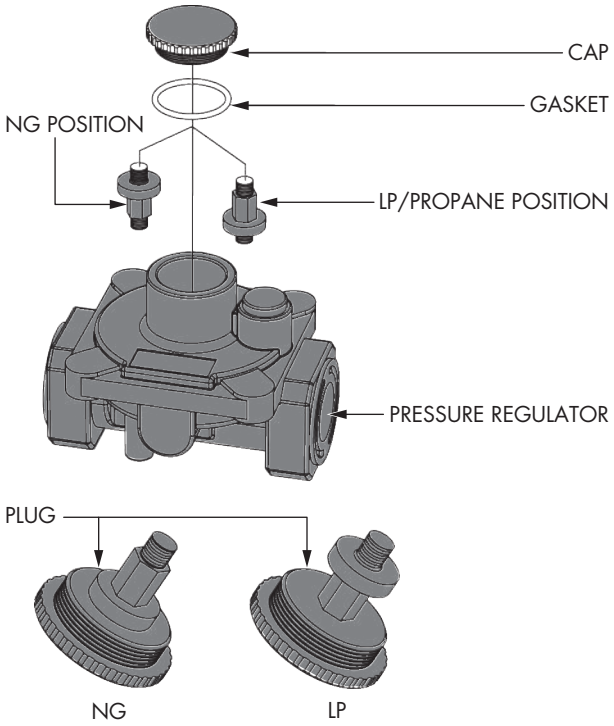
Check the appearance of each burner's flame at HI - LO settings, if the flame appears too large or too small make sure that all steps were completed correctly.

Pressure regulator conversion

The appliances is designed for use with NG gas or LP gas. The gas pressure regulator is supplied. It must be installed in the gas supply line ahead of the manifold entrance.
It is pre-set for use with the gas as indicated on the appliance label supplied with the appliance. For use with different gas the appliance must be converted.
For the pressure regulator conversion follow the instructions below:

- Disconnect all electrical power, at the main circuit breaker or fuse box.
- Shut off the gas supply to the cooktop by closing the manual shut-off valve.
- Adjust the pressure regulator, by following the instruction (see figure)
  1. Unscrew the regulator cap
  2. Unscrew the plastic conversion plug from the cap turn over and screw back (wide section away from cap for LP and against cap for NG) see figures below.
  3. Replace the regulator cap ensuring gasket is in place.

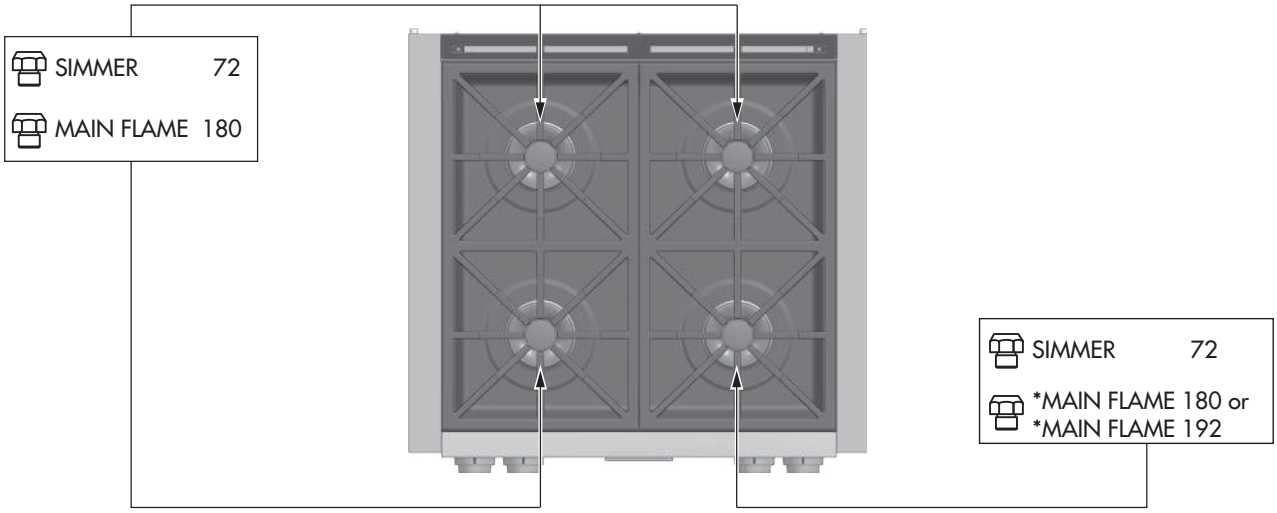
PRESSURE REGULATOR CONVERSION



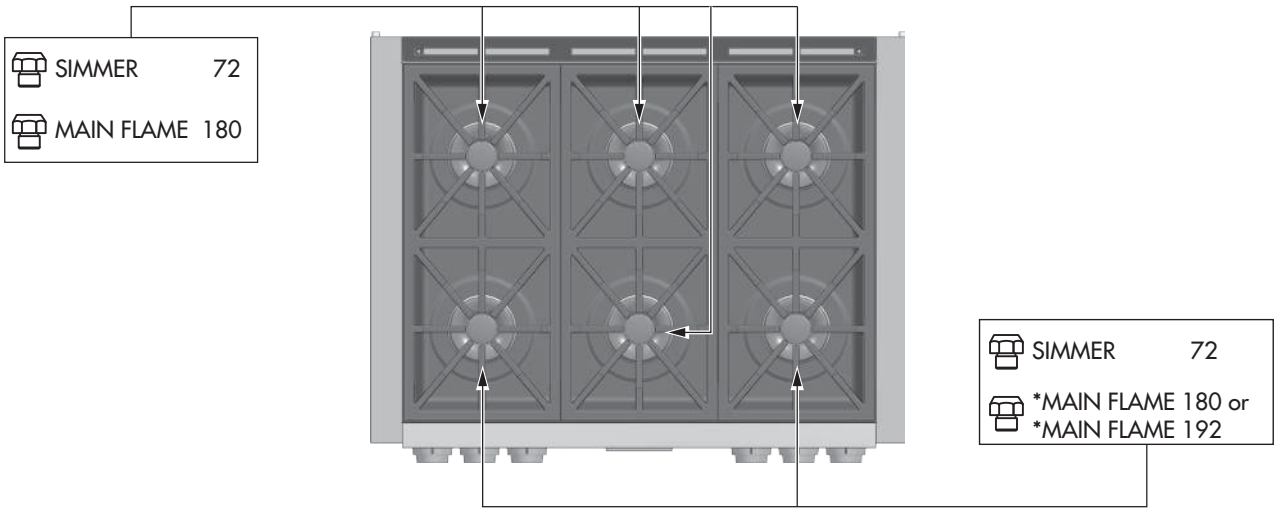
Before replacing the regulator cap, check if the position of plug is suitable for the gas

INJECTORS POSITION

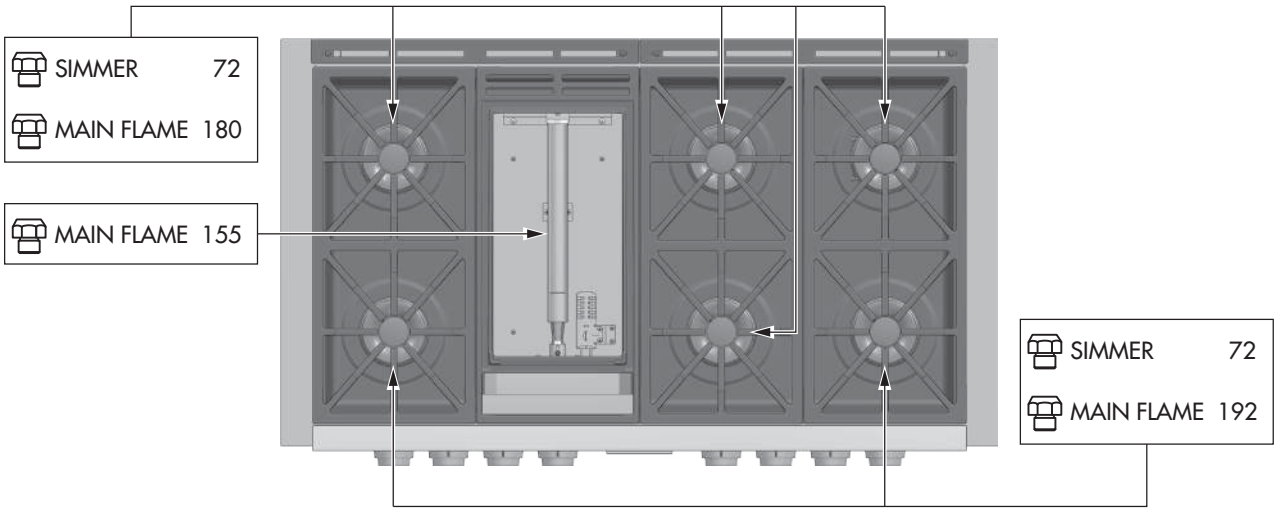
NG- DUAL FLAME RING 30"



NG- DUAL FLAME RING 36"



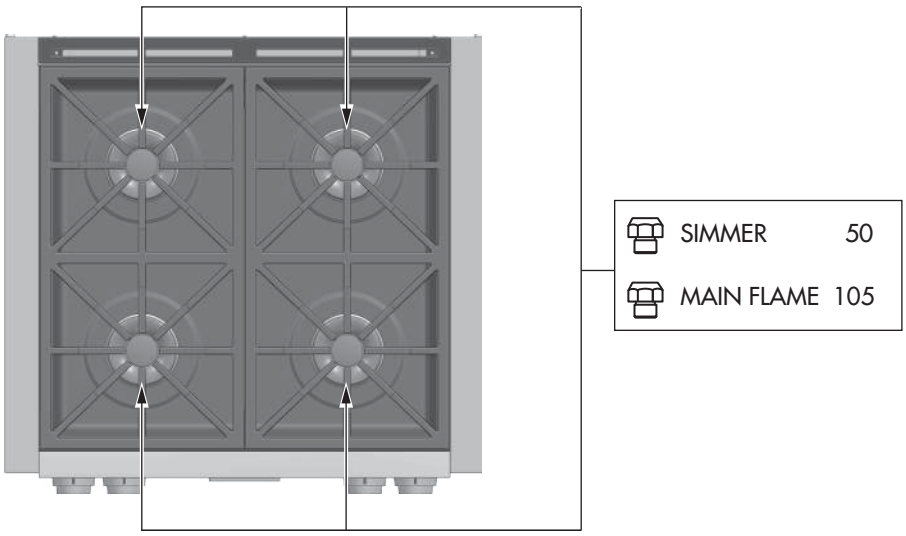
NG- DUAL FLAME RING & GRIDDLE 48"



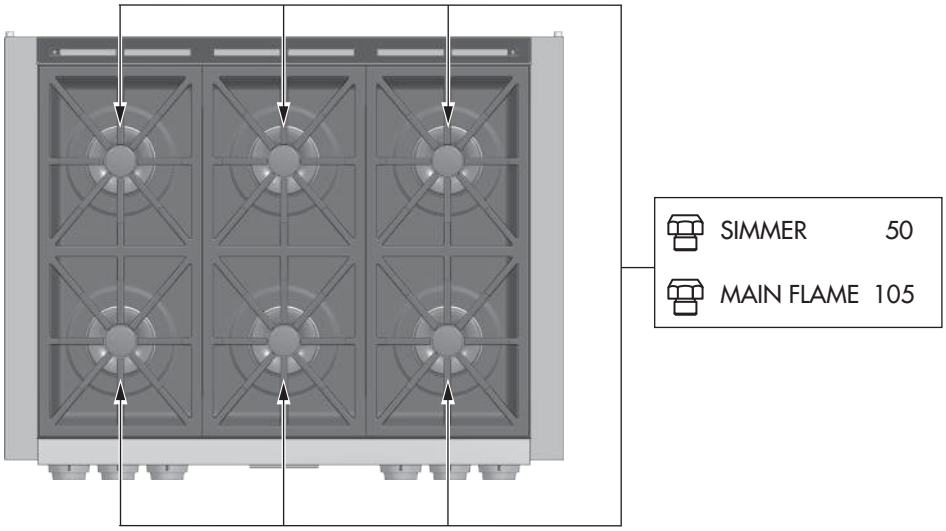
* depending on the model

INJECTORS POSITION

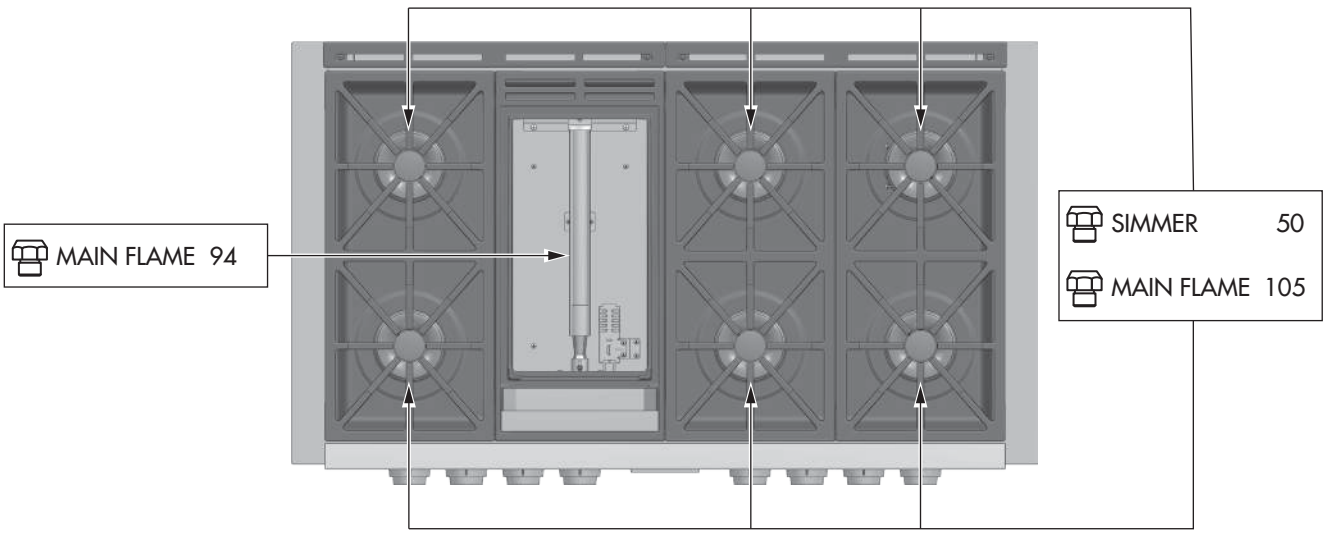
LP- DUAL FLAME RING 30”



LP- DUAL FLAME RING 36”



LP- DUAL FLAME RING & GRIDDLE 48”



Low Flame Adjustment

⚠ DANGER

Lighting gas burners with a match is dangerous.
You should match light the burners only in an emergency.
Light a match and hold the flame near the burner you want to light.
Wooden matches work best.
Push in and turn the control knob slowly.
Be sure you are turning the correct knob for the burner you are lighting.

NOTE: If the burner does not light within five seconds, turn the knob off and wait one minute before trying again.

⚠ CAUTION

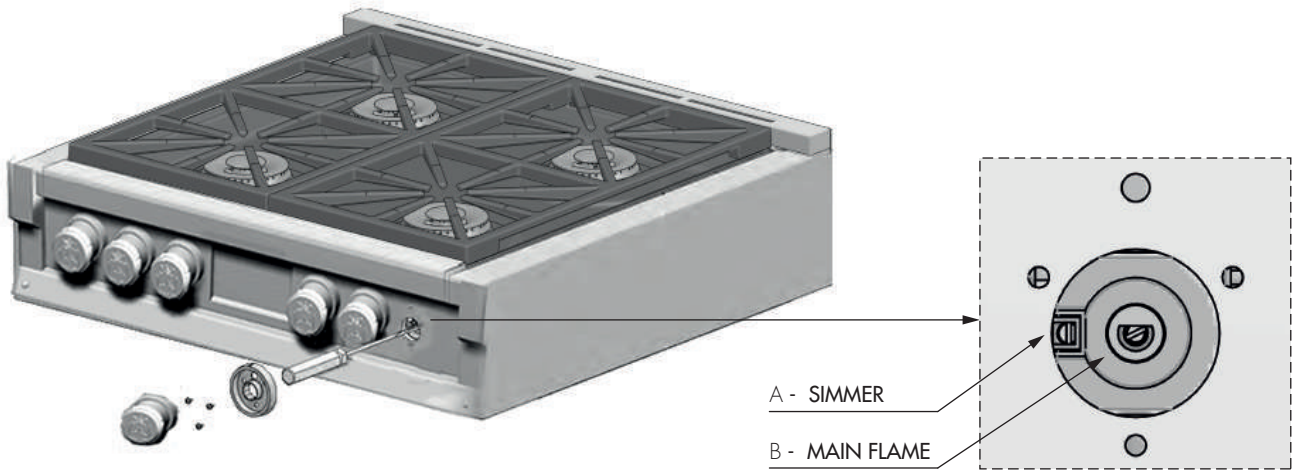
If you attempt to measure the inner cone of the flame, please use caution.
Burns could result.

This appliance is shipped from the factory with low and medium flame settings adjusted.
If further adjustment is necessary, proceed as follows:

Adjustment for Burners with one or two flame rings:

1. Light burner and set control knob for low flame.
2. Remove control knob from valve stem.
3. Remove knob seat from control panel.
4. Insert a slender, thin-blade screwdriver into the recess behind the control knob (**A**, **B** or **C**) and engage blade with slot in adjusting screw.
5. Turn adjusting screw to set flame size:
   - clockwise to reduce
   - counterclockwise to increase
6. Replace control knob when adjustment is completed.

LOW FLAME ADJUSTMENT



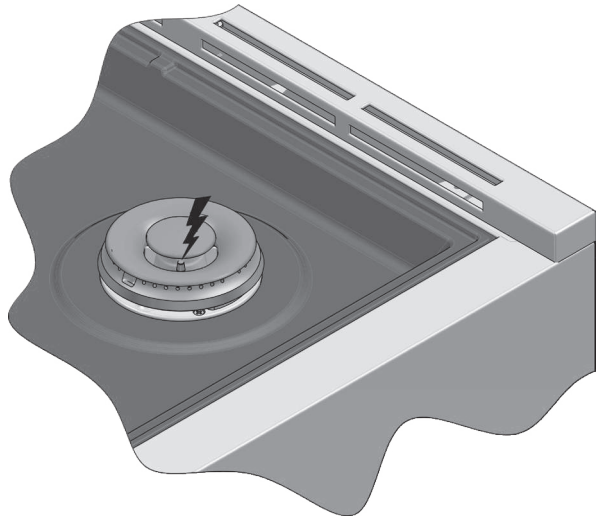
Proper adjustment will produce a stable, steady blue flame of minimum size.
The final adjustment should be checked by turning the knob from high to low several times without extinguishing the flame.
This adjustment, at low setting, will automatically provide the proper flame size at medium setting.
After Conversion steps have been completed, check the appearance of each burner's flame at the HI and LO settings, if the flames appear too large or too small
review each step to make sure it was completed correctly.

NOTE: To obtain the correct minimum setting with LP gas, turn clockwise tightening the valve(s) fully with the thin-blade screwdriver into the recess behind control knob (A and / or B).

Electric Gas Ignition

The gas burners use an electric ignition device located near each burner ensures burners ignite automatically.

ELECTRIC IGNITION

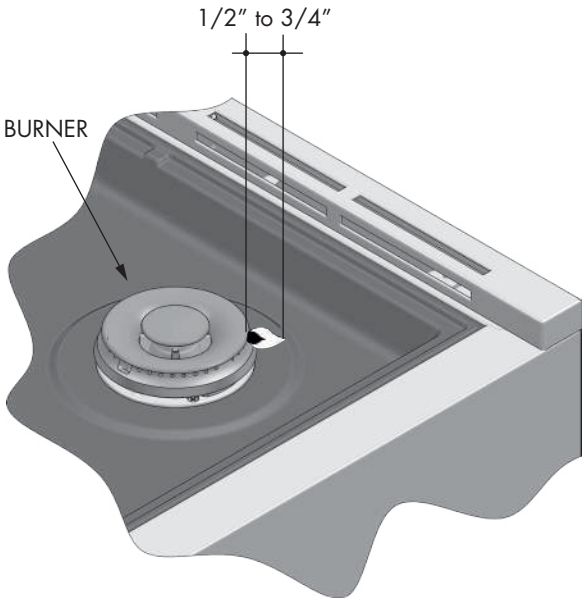


See Use & Care manual for better explanation and its control.

The Burner Flames

Turn each burner on. Flames should be blue in color with no trace of yellow. The burner flames should not flutter or blow away from the burner The inner cone of the flame should be between 1/2" and 3/4" long.

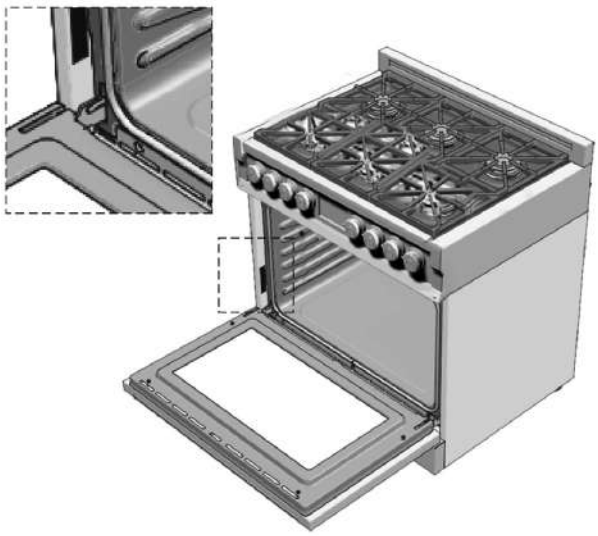
BURNER FLAMES



7 - Electrical supply

Before installing the oven have a qualified electrician verify that your home is provided with adequate electrical service and that the addition of the oven will not overload the branch circuit on which it is to be installed.
Be sure your appliance is properly installed and grounded by a qualified technician. Ask your dealer to recommend a qualified technician or an authorized repair service.
This appliance is manufactured with a green GROUND wire connected to the oven chassis Junction Box or Wall Receptacle Location.
Suggested location of the junction box or wall receptacle is showed in "Cutout requirements" Figure.

LOCATION OF RATING PLATE



Your local codes and ordinances, of course, take precedence over these instructions. Complete electrical connections according to local codes and ordinances.
A UL listed conduit connector must be provided at each end of the power supply conduit (at the range and at the junction box).

- Wire sizes and connections must conform with the rating of the range.
- The wiring diagram is located on the back of the range or in a clear plastic bag.

In the United States:
Be sure that the electrical and grounding connections and also wire size are adequate and in conformance with the National Electrical Code, ANSI/ NFPA 70-latest edition and all local codes and ordinances.

In Canada:
Be sure that the electrical connection and wire size are adequate and in conformance with CSA Standard C22.1, Canadian Electrical Code, Part 1 - latest edition, and all local codes and ordinances.

⚠ WARNING

Risk of Electric Shock, frame grounded to neutral of appliance through a link

Grounding through the neutral conductor is prohibited for new branch-circuit installations (1996 NEC); mobile homes; and recreational vehicles, or in an area where local codes prohibit grounding through the neutral conductor. For installations where grounding through the neutral conductor is prohibited:

- Disconnect the ground from the neutral at free end of conduit;
- Use grounding terminal or lead to ground unit; and
- Connect neutral terminal or lead to branch circuit neutral in usual manner.

A 3-wire* or 4-wire single phase 120/240 or 120/208 Volt, 60 Hz AC only electrical supply is required on a separate circuit fused on both sides of the line (time-delay fuse or circuit breaker is recommended). DO NOT fuse neutral.
NOTE: FOR USE WITH 208 V, 60 HZ SUPPLY VOLTAGE, SEE CONNECTING TO 208 VOLT CIRCUIT.

ELECTRICAL REQUIREMENTS 30" or 36" OVEN RANGE	
Electrical Supply	120-240V or 120-208V, 60 Hz
Service	30 amp dedicated circuit
Total Amps	120/240V 16.9 Amps 120/208V 17.5 Amps
Max Connected Load	120/240V 3.84 kW 120/208V 3.54 kW
Min Supply Wire	L1, L2, ground 12 AWG Neutral 16 AWG

ELECTRICAL REQUIREMENTS 48" DOUBLE OVEN RANGE	
Electrical Supply	120-240V or 120-208V, 60 Hz
Service	50 amp dedicated circuit
Total Amps	120/240V 31.3 Amps 120/208V 29.5 Amps
Max Connected Load	120/240V 7.00 kW 120/208V 6.00 kW
Min Supply Wire	L1, L2, ground 10 AWG Neutral 12 AWG

⚠ WARNING

ELECTRICAL SHOCK HAZARD

- The electrical power to the appliance branch circuit must be shut off while line connections are being made.
- Do not use an extension cord with this appliance.
- Electrical ground is required on this appliance.
- The free end of the green wire (the ground wire) must be connected to a suitable ground. This wire must remain grounded to the appliance.
- If cold water pipe is interrupted by plastic, non metallic gaskets, union connections or other insulating materials, DO NOT use for grounding.
- DO NOT ground to a gas pipe.
- DO NOT have a fuse in the NEUTRAL or GROUNDING circuit. A fuse in the NEUTRAL or GROUNDING circuit could result in an electrical shock.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.
- Failure to follow these instructions could result in serious injury or death.

⚠ CAUTION

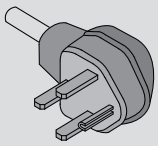
Do not repair or replace any part of the appliance unless specifically recommended in the manual. All other servicing should be done by a qualified technician. This may reduce the risk of personal injury and damage to the appliance.
Never modify or alter the construction of the appliance by removing panels, wire covers, screws, or any other part of the product.

Factory Connected Power Supply Cord

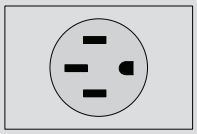
Your range is equipped with a factory-connected power cord. Cord must be connected to a grounded 120/240 volt or 120/208 volt range outlet. If no outlet is available, have one installed by a qualified.

Only the 4-wire power supply cord with NEMA 14-50P plug included with the product is considered part of the ETL certified product. If the included cord is removed or replaced, the alternate power connection solution will not be considered as part of the certified product. Any damage or personal injury resulting from an alternative power supply solution will not be the responsibility of the manufacturer and may void the warranty.

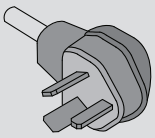
PLUG POWER SUPPLY CORD



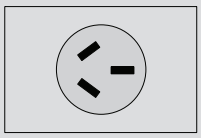
NEMA 14-50P Plug



NEMA 14-50R Receptacle



NEMA 10-50P Plug
(for US only)



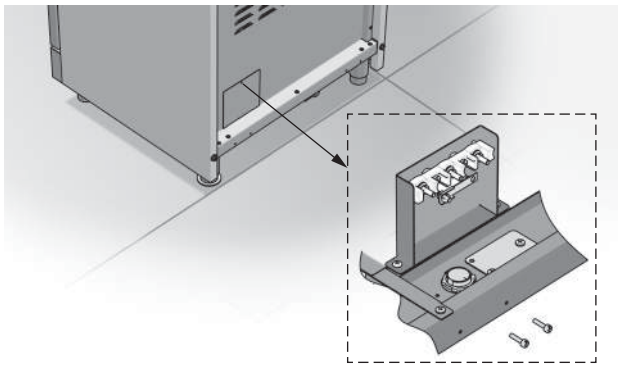
NEMA 10-50R Receptacle
(for US only)

Power Supply Cord Kit or Flexible Conduit (for US only)

The user is responsible for connecting the power supply cord to the connection block located behind the back panel access cover.
This appliance may be connected by means of permanent "hard wiring" (flexible armored or nonmetallic shielded copper cable), or by means of a power supply cord kit. Use only a power supply cord kit rated at 125/250 volts minimum and marked for use with ranges. Cord must have either 3 or 4 conductors. Terminals on end of wires must either be closed loop or open-end spade lugs with upturned ends. For 30", 36" and 48" ranges use a power supply cord kit rated at minimum 50A that is marked for use with nominal 1-3/8 in (34.93 mm) diameter connection openings.

1) Disconnect power.
2) Remove the terminal block cover screws located on the back of the range.

LOCATION OF ELECTRICAL CONNECTION



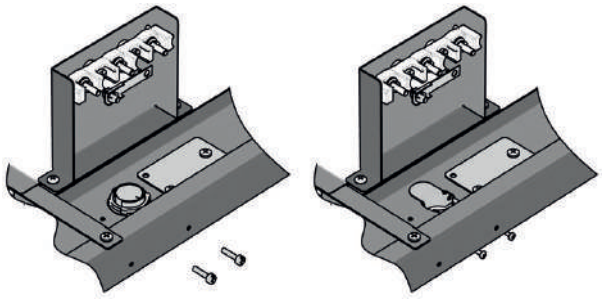
3) Add strain relief if not provided.

NOTE: If necessary remove the knockout to insert the strain relief.

Power supply cord strain relief

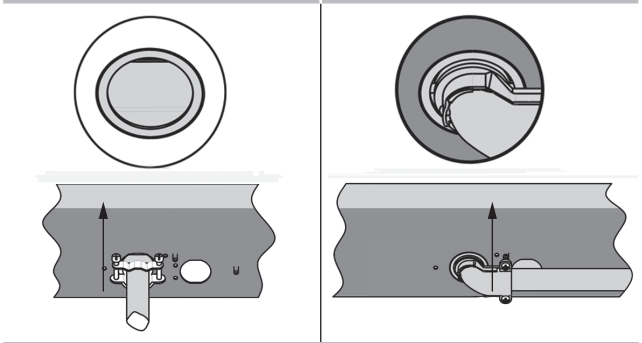
- Assemble a UL listed strain relief in the opening.

UL LISTED STRAIN RELIEF

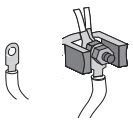
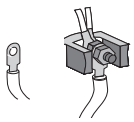
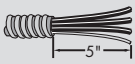
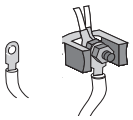
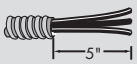
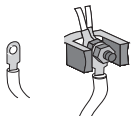


- Feed the power supply cord or flexible conduit through the strain relief in the cord/conduit plate on bottom of range. Allow enough slack to easily attach the wiring to the terminal block.
- Tighten strain relief screw against the power supply cord or flexible conduit.

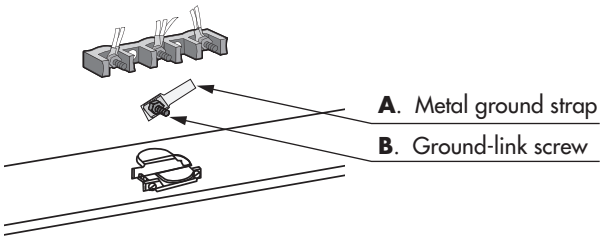
POWER SUPPLY CORD | **FLEXIBLE CONDUIT**



4) Complete installation following instructions for your type of electrical connection:
   - 4-wire (recommended)
   - 3-wire (if 4-wire is not available)

ELECTRICAL CONNECTION OPTIONS					
IF YOUR HOME HAS	**AND YOU WILL BE CONNECTING TO:**	**CONNECTION TYPE:**	**IF YOUR HOME HAS**	**AND YOU WILL BE CONNECTING TO:**	**CONNECTION TYPE:**
4-wire receptacle (NEMA type 14-50R)	A UL listed, 250-volt minimum, 30-amp, range power supply cord		**3-wire receptacle (NEMA type 10-50R)**	A UL listed, 250-volt minimum, 30-amp, range power supply cord	
4-wire direct 	A fused disconnect or circuit breaker box		**3-wire direct** 	A fused disconnect or circuit breaker box	

TERMINAL BLOCK - GROUND STRAP

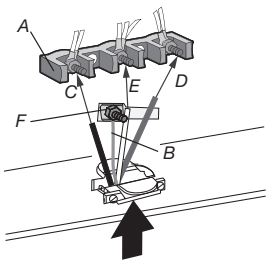


4-wire connection

Part of metal ground strap must be removed.

1) Use Phillips screwdriver to remove the ground-link screw from the back of the range. Save the ground-link screw and the end of the ground link under the screw.
2) Feed the power supply cord through the strain relief in the cord/ conduit plate on bottom of range. Allow enough slack to easily attach the wiring to the terminal block.
3) Use Phillips screwdriver to connect the green ground wire from the power supply cord to the range with the ground-link screw. The ground wire must be attached first.
4) Use 3/8" nut driver to connect the neutral (white) wire to the enter terminal block post with one of the 10-32 hex nuts.
   (Refer to the "Electric Connection Options" table to see the appropriate connection type)
5) Connect line 1 (black) and line 2 (red) wires to the outer terminal block posts with 10-32 hex nuts.
6) Securely tighten hex nuts.
7) Replace terminal block access cover.

4-WIRE CONNECTION



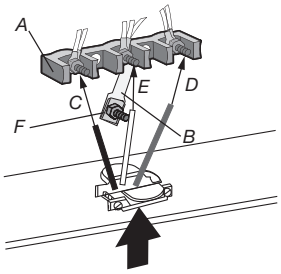
A. Terminal block
B. Bare or Green wire
C. L1 Black wire
D. L2 Red wire
E. Neutral White wire
F. Ground Link screw

3-wire connection

Use this method only if local codes permit connecting chassis ground conductor to neutral wire of power supply cord:

1) Feed the power supply cord through the strain relief in the cord/ conduit plate on bottom of range. Allow enough slack to easily attach the wiring to the terminal block.
2) Use 3/8 nut driver to connect the neutral (white) wire to the center terminal block post with one of the 10-32 hex nuts.
   (Refer to the "Electric Connection Options" table to see the appropriate connection type)
3) Connect line 1 (black) and line 2 (red) wires to the outer terminal block posts with 10-32 hex nuts.
4) Securely tighten hex nuts.
5) Replace terminal block access cover.

3-WIRE CONNECTION



A. Terminal block
B. Ground strap
C. L1 Black wire
D. L2 Red wire
E. Neutral White wire
F. Ground Link screw

3-WIRE BRANCH CIRCUIT (for US only)

Direct Electrical Connection to the Circuit Breaker, Fuse Box or Junction Box

If the appliance is connected directly to the circuit breaker, fuse box or junction box, use flexible, armored or non metallic sheathed copper cable (with grounding wire).

Refer to Figure A:

where local codes allow the connection of GROUND wire from the range to the branch circuit NEUTRAL wire (gray or white colored wire):

- If local codes permit, connect the green GROUND wire from the range and the white wire from the oven to the branch circuit NEUTRAL wire (gray or white colored wire).
- Connect the red and black leads from the range to the corresponding leads in the junction box.

DO NOT ground to a gas supply pipe.

DO NOT connect to electrical power supply until appliance is permanently grounded. Connect the ground wire before turning on the power.

4-WIRE BRANCH CIRCUIT (for US only)

Refer to Figure B:

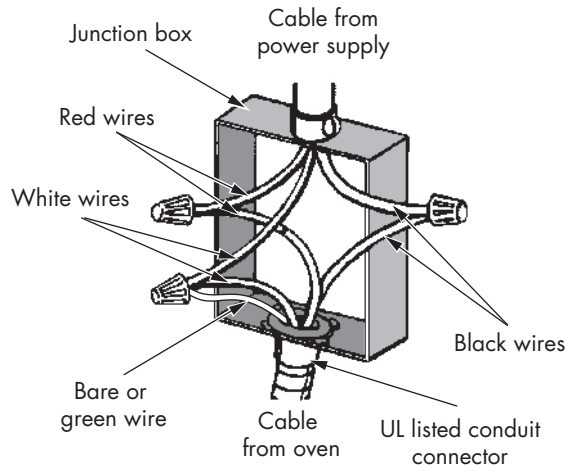
- Disconnect ground from neutral at free end of conduit.
- Connect the green GROUND wire from the range to the GROUND wire in the junction box (bare or green colored wire).
- Connect the red and black leads from the range to the corresponding leads in the junction box.
- Connect the white wire from the range to the NEUTRAL (gray or white) wire in the junction box.

DO NOT ground to a gas supply pipe.

DO NOT connect to electrical power supply until appliance is permanently grounded. Connect the ground wire before turning on the power.

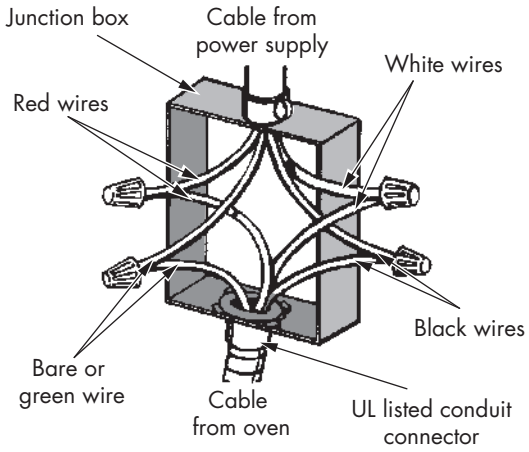
GROUNDED NEUTRAL

A



UNGROUNDED NEUTRAL

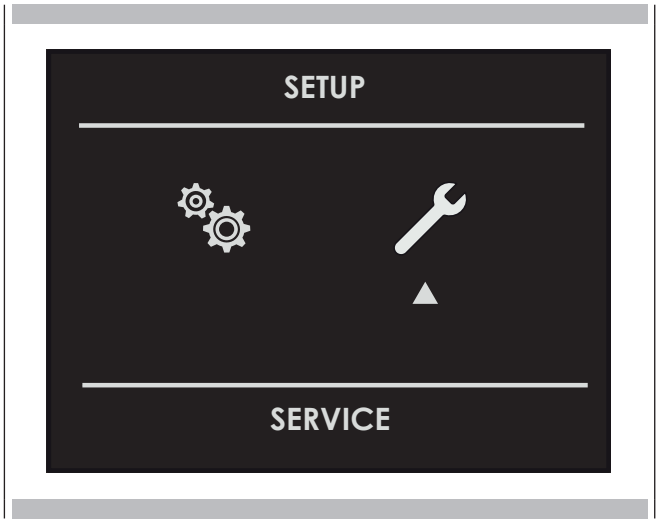
B



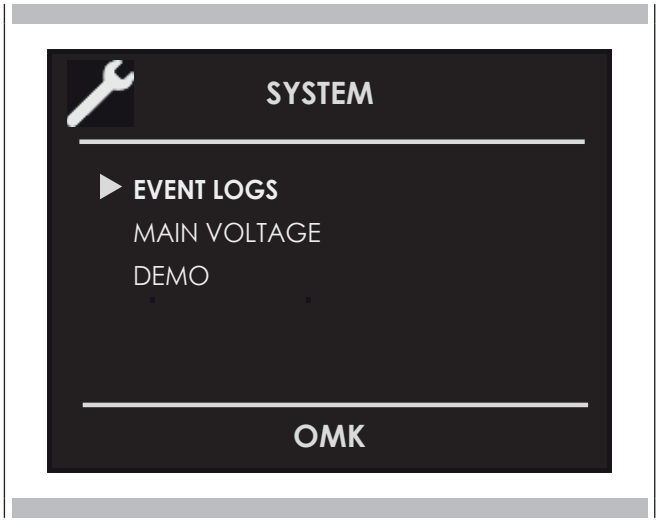
Connecting to 208 volt circuit

This option is provided for areas where standard 240 Volt service is not available. This option must be accessed with the oven connected to power source, and using the following sequence:

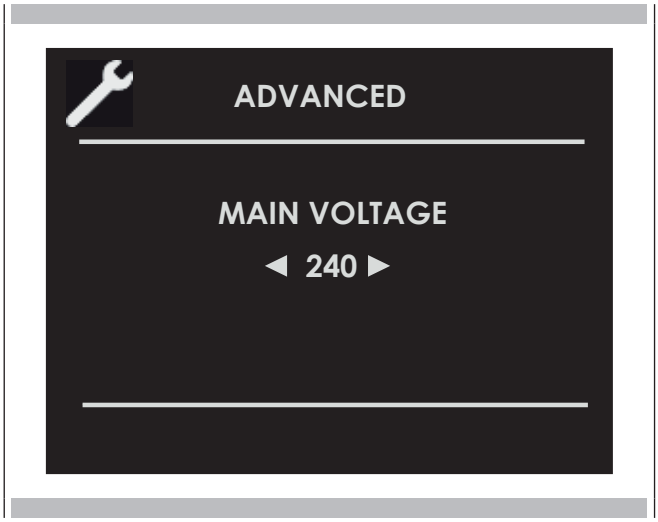
a) With the oven on, select the icon and confirm with the function knob to enter the SETTINGS menu. Rotate the [FUNCTION] knob to select the sub menu "SERVICE" and confirm by means of pressing the [FUNCTION] knob.



b) From the "SYSTEM" menu select the "MAIN VOLTAGE" option by means of the [FUNCTION] knob and confirm.



c) By means of the [FUNCTION] knob, select the "208V" option and confirm with the same knob.



The voltage setting is stored and kept even after a long power-off.

Note / Note / Nota