

# INSTALLATION INSTRUCTIONS

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## DUAL FUEL RANGES

### IMPORTANT - PLEASE READ AND FOLLOW

- Before beginning, please read these instructions completely and carefully.
- Do not remove permanently affixed labels, warnings, or plates from the product. This may void the warranty.
- Please observe all local and national codes and ordinances.
- Please ensure that this product is properly grounded.
- The installer should leave these instructions with the consumer who should retain for local inspector's use and for future reference.

Installation must conform with local codes or in the absence of codes, the National Fuel Gas Code ANSI Z223.1-latest edition. **IN CANADA:** Installation must be in accordance with the current CAN/CGA B149.1 & 2 Gas Installation codes and/or local codes. Electrical installation must be in accordance with the current CSA C22.1 Canadian Electrical Codes Part 1 and/or local codes. **In Massachusetts:** All gas products must be installed by a "Massachusetts" licensed plumber or gasfitter. A "T" type handle manual valve must be installed in the gas supply line to the appliance.

### WARNING

Frame grounded to neutral of appliance through a link. If local codes do not permit grounding through the neutral, the 3-conductor cord or cable assembly must be replaced by a 4-conductor cord or cable assembly. See manufacturer's instructions.

**WARNING: IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.**

1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
2. **WHAT TO DO IF YOU SMELL GAS:**
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone.
  - Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
3. Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

### WARNING

If not installed, operated and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or from fuel combustion which can cause death or serious illness and which are known to cause cancer, birth defects, or other reproductive harm.

For example, benzene is a chemical which is part of the gas supplied to the cooking product. It is consumed in the flame during combustion. However exposure to a small amount of benzene is possible if a gas leak occurs. Formaldehyde and soot are by-products of incomplete combustion. Properly adjusted burners with a bluish rather than yellow flame will minimize incomplete combustion.



### WARNING!

- This range can tip.
- Injury to persons could result.
- Install anti-tip device packed with range.
- See Installation Instructions

## Specifications - Dual Fuel 30", 36" W. and 48" W. Ranges

| Description                                    | 30" W. Models   | 36" W. Models   | 48" W. Models   |
|--|---|---|---|
| Overall width                                  | 29 7/8" (75.9 cm)   | 35 7/8" (91.1 cm)   | 47 7/8" (121.6 cm)  |
| Overall height                                 | <u>Base Height</u><br>To top of grate support -<br>Min. 35 7/8" (91.1 cm) to<br>Max. 37 5/8" (95.6 cm)<br>Legs adjust 1 3/4" (4.5 cm)<br><br><u>Additions to Base Height</u><br>To top of spider grate - add 1 1/8" (2.9 cm)<br>To top of island trim - add 1 1/4" (3.2 cm)<br>To top of 6" backguard - add 6" (15.2 cm)<br>To top of 10" backguard - add 10" (25.4 cm)<br>To top of high shelf - add 23 1/2" (59.7 cm) |   |   |
| Overall depth from rear                        | To end of side panel - 24 5/16" (61.8 cm)<br>To end of control panel - 26 1.4" (66.7 cm)<br>To end of knobs - 27 3/4" (70.5 cm)   |   |   |
| Electrical requirements                        | 240-208/120 VAC, 60 Hz electrical connection box on product, connect with locally supplied 3-wire, flexible cord or "pigtail" rated 40 amp 125-250 VAC minimum. Cord must be agency approved for use with household electric ranges.  |   |   |
| Gas requirements                               | Shipped natural gas standard; field convert to LP/Propane with standard convertible regulator; accepts standard residential 1/2" (1.3 cm) ID gas service line.  |   |   |
| Maximum usage                                  | 240V-6098 watts; 25.4 amps<br>208V-4757 watts; 22.9 amps  | 6B-240V-6634 watts; 27.6 amps<br>208V-5163 watts; 24.8 amps<br>4G-240V-8050 watts; 31.1 amps<br>208V-6245 watts; 28.3 amps<br>4Q-240V-6634 watts; 27.6 amps<br>208V-5163 watts; 24.8 amps | 6G- 230V- 8914 watts; 33.5 amps<br>208V- 6994 watts; 30.0 amps<br>6Q- 230V- 8050 watts; 37.1 amps<br>208V- 6245 watts; 33.6 amps<br>4GQ-240V 8914 watts; 33.5 amps<br>208V- 6994 watts; 37.1 amps |
| Surface burner rating                          | 15,000 BTU Nat./ 13,500 BTU LP/Propane<br>(4.4 kW Nat. / 4.0 kW LP)   |   |   |
| Griddle burner rating                          | N/A   | 15,000 BTU Nat./ 13,500 BTU LP/Propane<br>(4.4 kW Nat. / 4.0 kW LP)   |   |
| Grill burner rating                            | N/A   | 18,000 BTU Nat./ 16,000 BTU LP/Propane<br>(5.3 kW Nat. / 4.7 kW LP)   |   |
| Preheat rating                                 | 240V - 5750 watts<br>208V - 4319 watts  | 240V - 6250 watts<br>208V - 4694 watts  | 240V -5750<br>208V - 4319   |
| Broil rating                                   |   | <b>240V</b><br>Maxi Broil 8 Pass 3000 watts<br>Mini Broil 4 Pass 1250 watts   | <b>208V</b><br>2250 watts<br>940 watts  |
| Bake rating (partial power from broil element) | 240V - 2935 watts<br>208V - 2247 watts  | 240V - 3440 watts<br>208V - 2620 watts  | <b>Right</b> - 240V - 2935 watts<br>208V - 2247 watts<br><b>Left</b> - 240V - 1932 watts<br>208V - 1494 watts   |
| Convection cook rating                         | '240V - 2200 watts  |   | 208V - 1650 watts   |
| Oven Interior width                            | 23" (58.4 cm)   | 29" (73.7 cm)   | <b>Right</b> - 23" (58.4 cm)<br><b>Left</b> - 12 1/8" (30.8 cm)   |
| Oven Interior height                           | 16 1/8" (41.0 cm)   |   |   |
| Oven Interior depth                            | 15 3/8" (39.1 cm)   |   | <b>Right</b> - 15 3/8" (39.1 cm)<br><b>Left</b> - 17 1/4" (43.8 cm)   |
| Oven Interior overall size                     | 3.3 cu. ft.   | 4.2 cu. ft.   | Right - 3.3 cu. ft. Left - 2.1 cu. ft   |
| Approximate Shipping wt.                       | 424 lbs. (190.8 kg)   | 6B - 465 lb. (209.3 kg)<br>4Q - 470 lb. (211.5 kg)<br>4G - 475 lb. (213.8 kg)   | 6G - 624 lb. (280.8 kg)<br>6Q - 620 lb. (279.0 kg)<br>4GQ - 629 lb. (283.1 kg)  |

Minimum clearances from adjacent combustible construction

- Cooking surface and below (36" [91.4 cm] and below)
  - Sides - 0"
  - Rear - 0" with backguard or high shelf; 0" with island trim and non-combustible rear wall; 6" (15.2 cm) with island trim and combustible rear wall.
  - Top grate support - 36" (91.4 cm)
- 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 minimum 36" (91.4 cm) above cooking surface

## GENERAL INFORMATION

1. **WARNING:** The use of cabinets for storage above the appliance may result in a potential burn hazard. Combustible items may ignite, metallic items may become hot and cause burns. If a cabinet storage is to be provided the risk can be reduced by installing a rangehood that projects horizontally a minimum of 5" (12.7 cm) beyond the bottom of the cabinets.
2. **WARNING:** This appliance shall not be used for space heating. This information is based on safety considerations.
3. All openings in the wall behind the appliance and in the floor under the appliance shall be sealed.
4. Keep appliance area clear and free from combustible materials, gasoline, and other flammable vapors.
5. Do not obstruct the flow of combustion and ventilation air.
6. Disconnect the electrical supply to the appliance before servicing.
7. When removing oven for cleaning and/or service;
  - A. Shut off gas at main supply
  - B. Disconnect AC power supply
  - C. Disconnect gas line to the inlet pipe.
  - D. Carefully remove the range by pulling outward. **CAUTION:** Range is heavy; use care in handling.
8. Electrical Requirement  
Listed on Specification sheet. Electrical installation should comply with national and local codes.
9. Gas Manifold Pressure  
Natural gas - 5.0" W.C.P.  
LP/Propane - 10.0" W.C.P.
10. Ventilation  
It is recommended that the unit be set under a powered, vented exhaust hood or downdraft of sufficient size and capacity. If the unit incorporates a char-grill feature, the unit **must** be used in conjunction with a powered, vented exhaust hood of sufficient size and capacity.
11. Flexible Connection  
If the unit is to be installed with flexible couplings and/or quick disconnect fittings, the installer must use a flexible connector approved by national and local codes.
12. The misuse of oven doors (e.g. stepping, sitting, or leaning on them) can result in potential hazards and/or injuries.

## WARNING!!

### ELECTRICAL GROUNDING INSTRUCTIONS

This appliance must be electrically grounded in accordance with local codes or, in the absence of codes, with the National Electrical Code, ANSI/NFPA 70-latest edition. Installation should be made by a licensed electrician.

**FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY GROUNDED**

### Burner Caps

1. Burner caps are packed in styrofoam top pack with the grates and burner bowls.
2. Remove grates. Remove burner cap and place one on top of burners. Place grate on grate support.

### Legs

1. Legs are packed in styrofoam top pack.
2. Legs should be installed near to where the appliance is to be used, as they are not secure for long transit. After unpacking the range, raise it about a foot to remove the bottom shipping skid. Keep the unit raised to permit the legs to be screwed into our couplings and lower it gently to keep any undue strain from the legs and internal mounting hardware. It is strongly recommended that a pallet or lift jack be used rather than tilting.

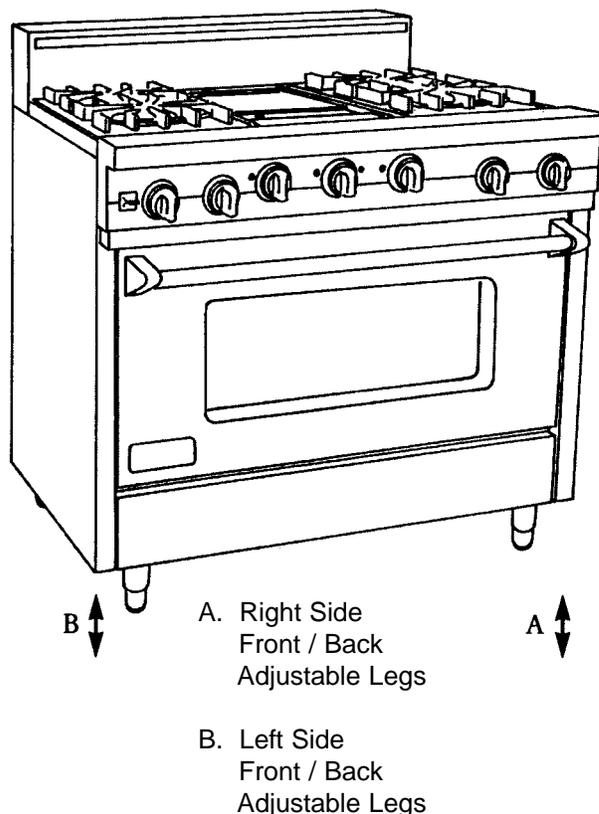
### Back Trim Accessories

Assembly and installation instructions are included with all back trim accessories.

## Important: Leveling/Adjustments/Alignment

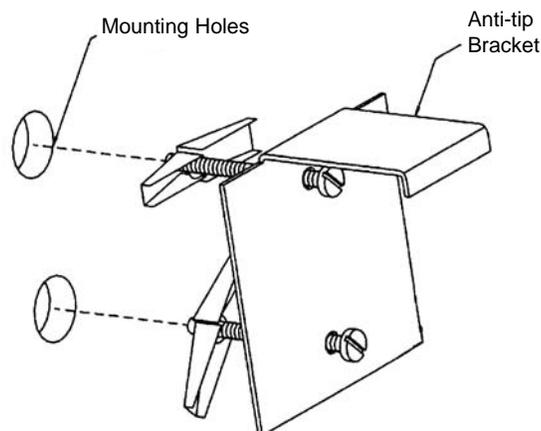
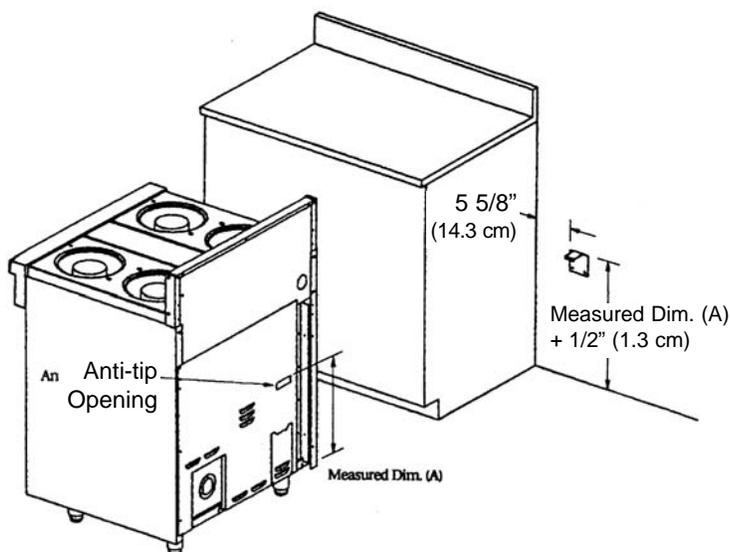
Closely follow the procedures below to ensure proper performance and appearance of the range.

1. If the floor is smooth and level, level the unit with the screw thread of the legs. Set the high corner of the range so that the top of the grate support is  $\frac{3}{8}$ " (.95cm) above the countertop, and level the range to the high corner.
2. If the floor is uneven or has a decided slope, level the unit with metal shims, as the adjustment required may exceed the thread available in the leg.
3. After the range is properly leveled, the drip tray handle may be aligned by loosening the screws and adjusting the handle horizontally within the limits provided by the slotted screw holes.
4. A level should be placed across the top of the range and the unit leveled both front-to-back and side-to-side. If it is not level, burner combustion may be erratic, liquid, or semi-liquid batters will cook at an angle, and the unit may not function efficiently.



## Stability Device Installation Instructions

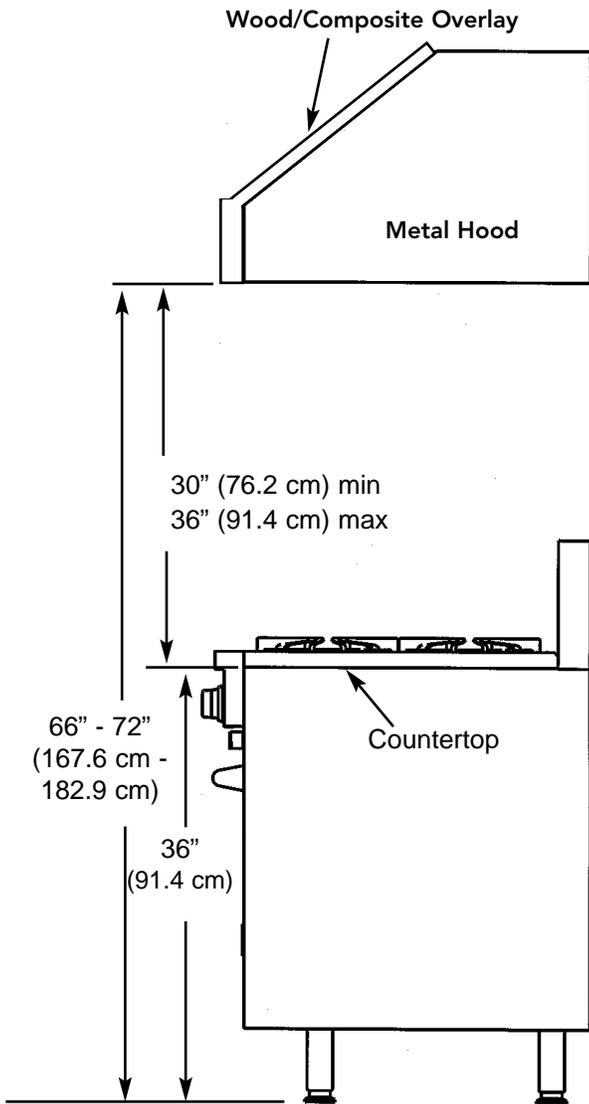
1. The anti-tip bracket is to be attached to the rear wall as shown. The dimension for the bracket location from the floor is to be determined after the range legs have been adjusted to the proper installation height shown in the installation instructions and the range has been leveled.
2. Measure from the floor to the bottom of the anti-tip opening located on the back of the range.
3. Locate the anti-tip bracket on the wall with the top left corner at the measured dimension (A) plus  $\frac{1}{2}$ " (1.3 cm) from the floor and  $5 \frac{5}{8}$ " (14.3 cm) from where the left side of the range (facing range) is to be located.
4. Slide range into place. Be sure the anti-tip bracket slides into the anti-tip opening.



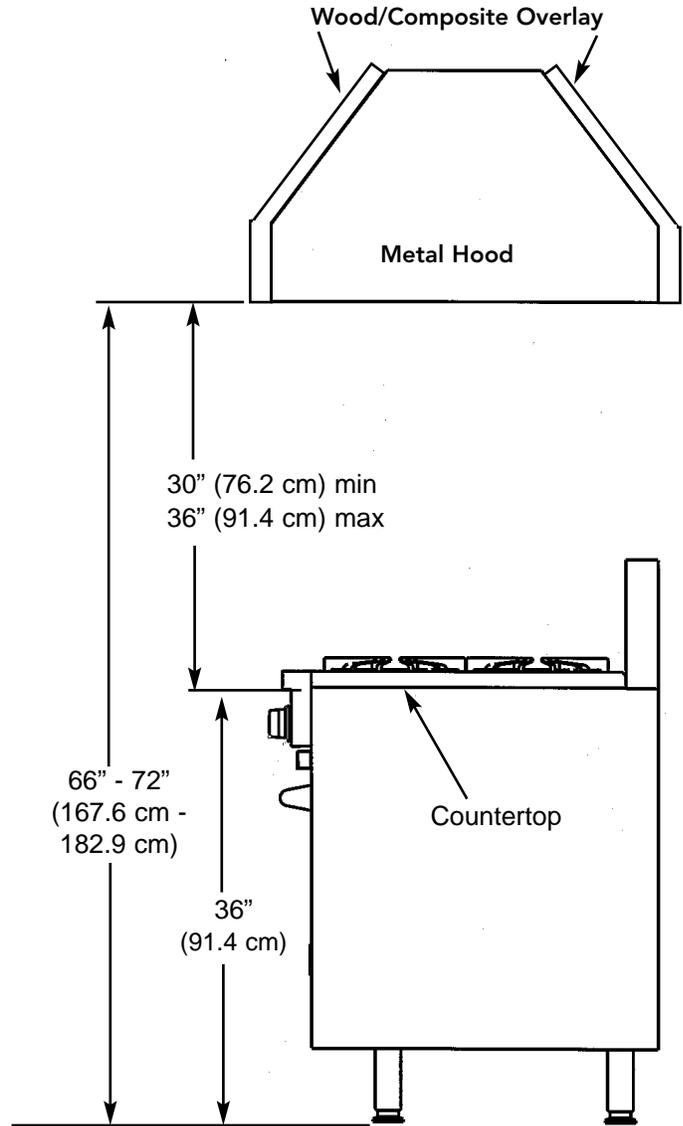
## WOOD/COMPOSITE OVERLAY INSTALLATION

The bottom of a standard hood should be 30" (76.2 cm) min to 36" (91.4 cm) max. above the countertop. This would typically result in the bottom of the hood being 66" (167.6 cm) to 72" (182.9 cm) above the floor. Refer to the rangehood installation instructions for additional information. These dimensions provide for safe and efficient operation of the hood.

### WALL INSTALLATION

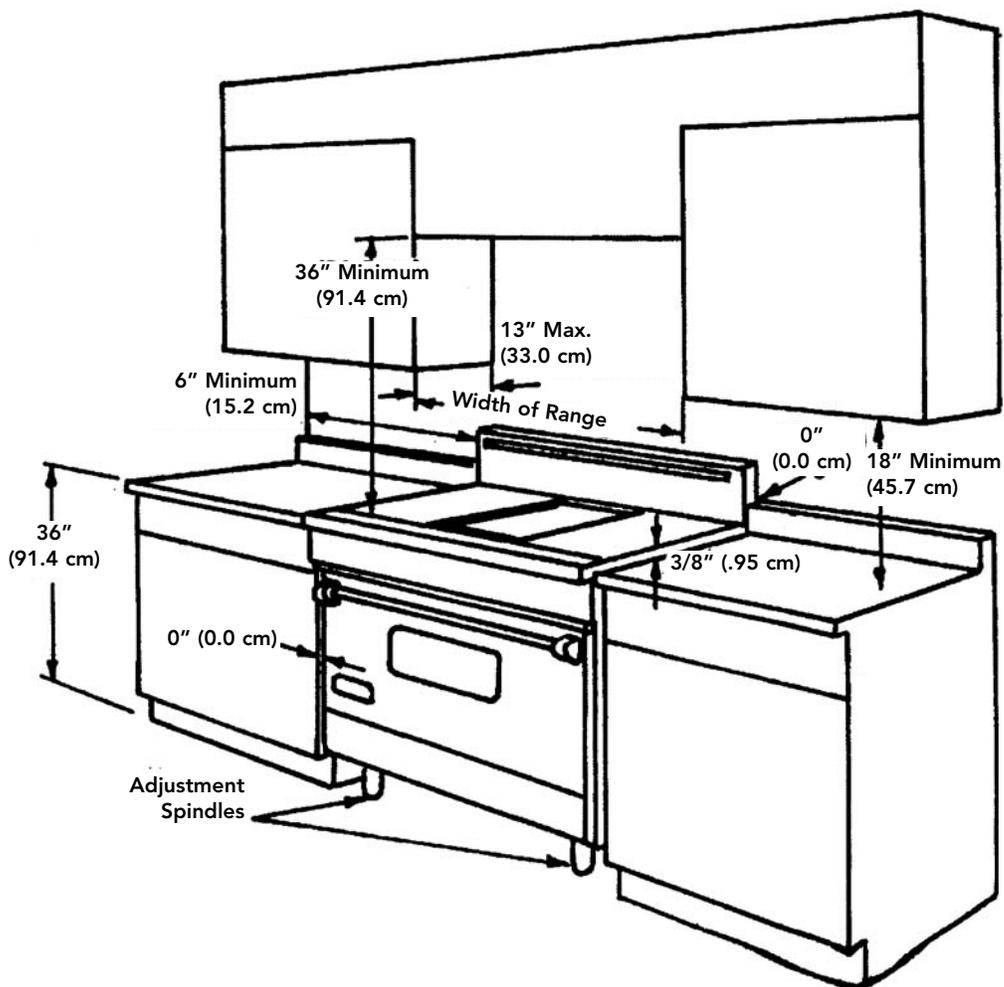


### ISLAND INSTALLATION



## Proximity to Side Cabinet Installation

1. This range may be installed directly adjacent to existing 36" (91.4 cm) high base cabinets. **IMPORTANT:** The top grate support **MUST** be 3/8" (.95 cm) above the adjacent base cabinet countertop. This may be accomplished by raising the unit using the adjustment spindles on the legs.
2. The range **CANNOT** be installed directly adjacent to sidewalls, tall cabinets, tall appliances, or other side vertical surfaces above 36" (91.4 cm) high. There must be a minimum of 6" (15.2 cm) side clearance from the range to such combustible surfaces above the 36" (91.4 cm) counter height.
3. Within the 6" (15.2 cm) side clearance to combustible vertical surfaces above 36" (91.4 cm), the maximum wall cabinet depth must be 13" (33.0 cm) and wall cabinets within this 6" (15.2 cm) side clearance must be 18" (45.7 cm) above the 36" (91.4 cm) high countertop.
4. Wall cabinets above the range must be a minimum of 36" (91.4 cm) above the range cooking surface for the full width of the range. This minimum height requirement does not apply if a rangehood is installed over the cooking surface.



|                | 30" W. Models     | 36" W. Models     | 48" W. Models      |
|----------------|-------------------|-------------------|--------------------|
| *Overall Width | 29 7/8" (75.9 cm) | 35 7/8" (91.1 cm) | 47 7/8" (121.6 cm) |

## Electrical Requirements

Check your national and local codes regarding this unit. This range requires 3 wires, 240-208/120 VAC/60 Hz. See next section for grounding instructions. It should be fused separately. **CAUTION:** Be sure the electrical power is off from the breaker box to the junction box until the range is installed and ready to operate. The junction box should be located as shown in the drawing and connected to a suitable ground.

# Gas Connection

The gas supply (service) line must be the same size or greater than the inlet line of the appliance. This range uses a 1/2" (1.3 cm) ID NPT (Sch40) inlet. Sealant on all pipe joints must be resistive to LP gas.

## 1. Manual shut-off valve:

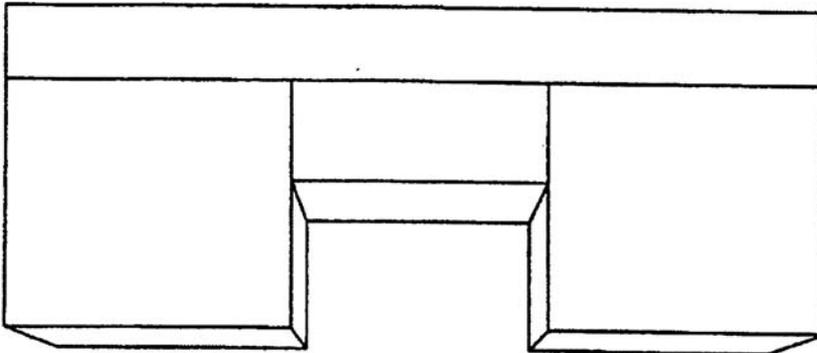
This installer-supplied valve must be installed in the gas service line ahead of the appliance in the gas stream and in a position where it can be reached quickly in the event of an emergency. **In Massachusetts:** A "T" handle type manual valve must be installed in the gas supply line to the appliance.

## 2. Pressure Regulator:

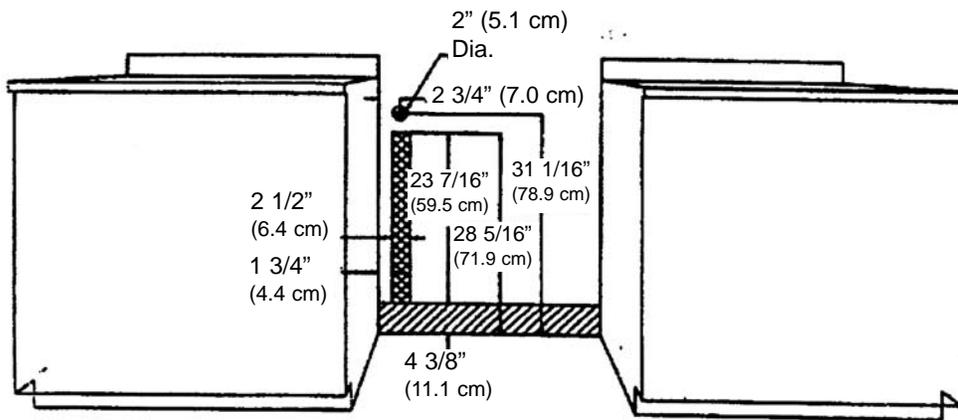
- a) All heavy-duty, commercial type cooking equipment must have a pressure regulator on the incoming service line for safe and efficient operation, since service pressure may fluctuate with local demand. External regulators are not required on this range since a regulator is built into each unit at the factory. Under no condition bypass this built-in regulator.
- b) Any conversion required must be performed by your dealer or a qualified licensed plumber or gas service company. Please provide the service person with this manual before work begins. (Gas conversions are the responsibility of the dealer or end user).
- c) This range can be used with Natural or LP/Propane gas. It is shipped from the factory adjusted for use with natural gas. The orifice hoods must be screwed snug when LP/Propane is used. (See LP/Propane conversion.)
- d) Manifold pressure should be checked with a manometer, natural gas requires 5.0" W.C.P. and LP gas requires 10.0" W.C.P. Incoming line pressure upstream from the regulator must be 1" W.C.P. higher than the manifold pressure in order to check the regulator. The regulator used on this range can withstand a maximum input pressure of 1/2" PS (14.0" W.C.P.). If the line pressure is in excess of that amount, a step down regulator will be required.
- e) The appliance, its individual shut-off valve, and pressure regulator must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of 1/2 psig (3.45 kPa)
- f) 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 (3.45 kPa)

## 2. Flexible Connections:

If the unit is to be installed with flexible couplings and/or quick-disconnect fittings, the installer must use a heavy-duty AGA design-certified flexible connector of at least 1/2" (1.3 cm) ID NPT (with suitable strain reliefs) in compliance with ANSI Z21.41 and Z21.69. **In Canada:** CAN 1-6, 10-88 metal connectors for gas appliances and CAN 1-6.9 M79 quick disconnect devices for use with gas fuel. **In Massachusetts:** This appliance must be installed with a 36" (3-foot) long flexible gas connector



**CAUTION:** Leak testing of the appliance shall be conducted according to the manufacturer's instructions. Before placing the oven into operation, always check for leaks with a soapy water solution or other acceptable method. **DO NOT USE AN OPEN FLAME TO CHECK FOR LEAKS!**

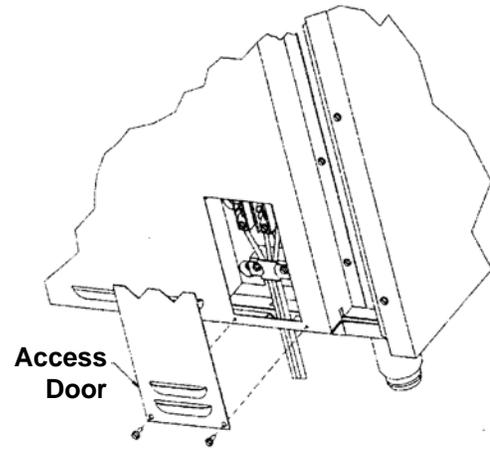


 Electrical Connection in this area

 Gas Connection in either area

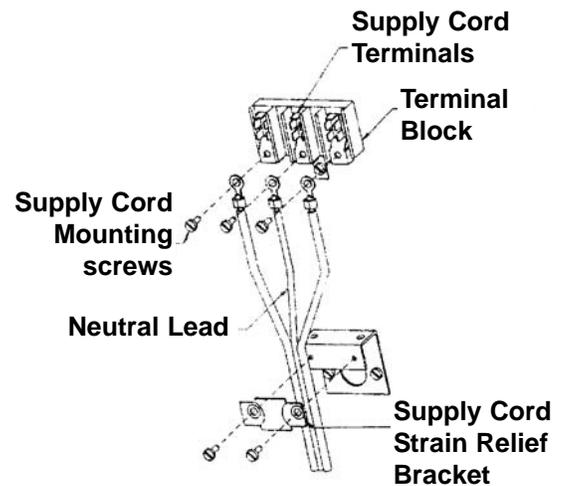
## Electrical Connection

Use a 3-wire power supply cord kit rated for 40 amps - 125/250 volts with closed loop terminals and marked for use with ranges. Do not use a GFI circuit. Where local codes do not permit grounding through neutral, use a 4-wire power supply cord. The cord or conduit must be secured to the range with the strain relief bracket. The electrical connection is made at the terminal block, which is located behind the access door on the back of the range.



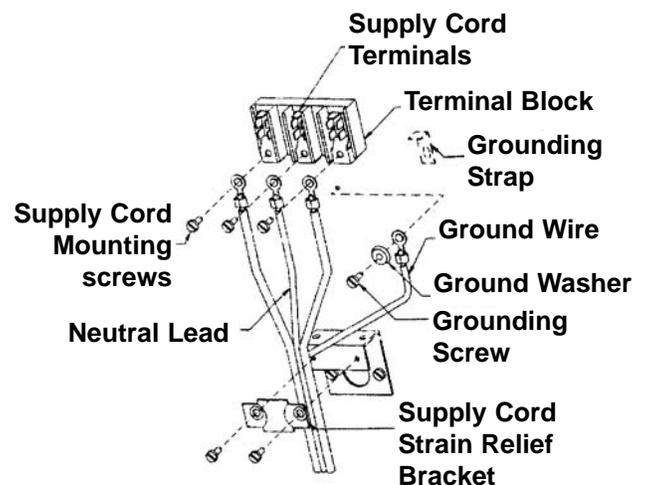
### 3-Wire Power Supply Cord

1. Remove access door.
2. Remove supply cord strain relief bracket and 3-supply cord mounting screws on the terminal block.
3. Feed supply cord up thru the hole in the bottom of the range back.
4. Attach the line #1 (red) and line #2 (black) leads to the outside terminal and the neutral wire (white) to the center terminal on the terminal block.
5. Reattach supply cord strain relief bracket over supply cord, pushing supply cord up toward terminal block to relieve strain before tightening.
6. Reattach access door.



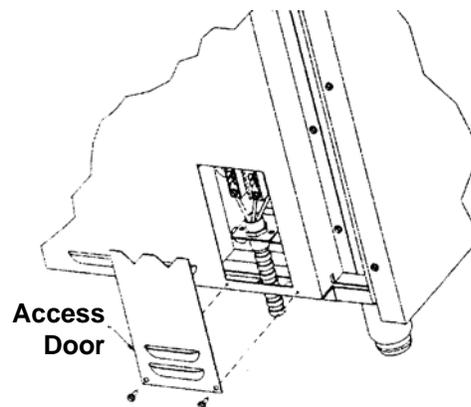
### 4-Wire Power Supply Cord

1. Remove access door.
2. Remove supply cord strain relief bracket and 3-supply cord mounting screws on the terminal block.
3. Remove grounding screw; cut-off and discard ground strap.
4. Feed supply cord up thru the hole in the bottom of the range back.
5. Attach the ground lead (green) with the ground screw that was removed in step #3.
6. Attach the line #1 (red) and line #2 (black) leads to the outside terminal and the neutral wire (white) to the center terminal on the terminal block.
7. Reattach supply cord strain relief bracket over supply cord, pushing supply cord up toward terminal block to relieve strain before tightening.
8. Reattach access door.



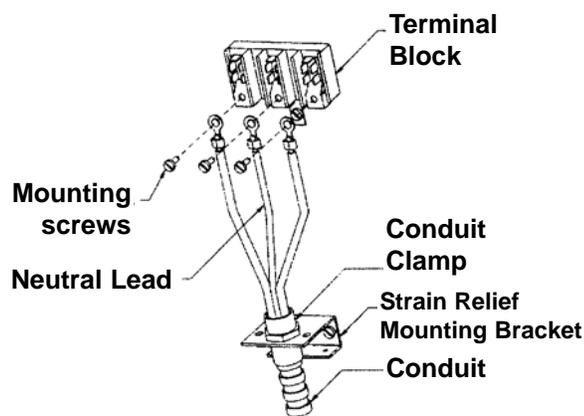
## Electrical Connection With Conduit

Use 1/2" (1.3 cm) trade size conduit with a conduit clamp, 12 AWG/600 volt copper conductor colored red for line 1 and black for line 2 and 14 AWG/600 volt copper conductor colored white for neutral with closed loop terminals marked for use with ranges. Where local codes do not permit grounding through neutral, use a green 12 AWG copper conductor as directed in the 4-wire connector directions. The conduit must be secured to the range with the strain relief bracket. The electrical connection is made at the terminal block which is located behind the access door on the back of the range.



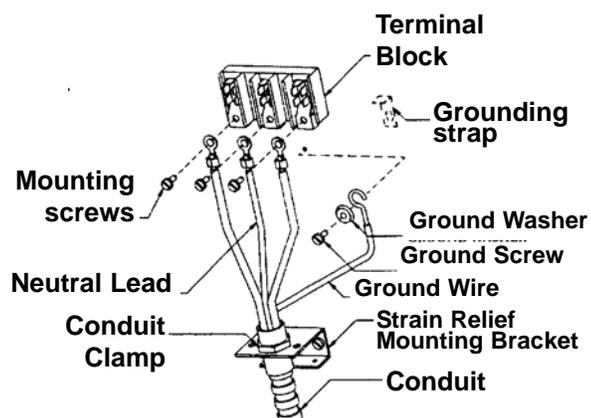
### 3-Wire Power Connection

1. Remove access door.
2. Remove strain relief mounting angle and reattach as shown.
3. Feed 1/2" (1.3 cm) trade size conduit through the hole in the bottom of the range back and secure to the strain relief bracket with a conduit clamp.
4. Feed line #1 (red 12 AWG/600v copper conductor), line #2 (black 12 AWG/600v copper conductor) and neutral (white 14 AWG/600v copper conductor) through conduit and attach closed loop terminals marked of use with range.
5. Remove 3 mounting screws and attach line #1 (red) to the left terminal line #2 (black) to the right terminal, the neutral wire (white) to the center terminal.
6. Reattach the access door.



### 4-Wire Power Connection

1. Remove access door.
2. Remove strain relief mounting angle and reattach as shown.
3. Feed 1/2" (1.3 cm) trade size conduit through the hole in the bottom of the range back and secure to the strain relief bracket with a conduit clamp.
4. Feed line #1 (red 12 AWG/600v copper conductor), line #2 (black 12 AWG/600v copper conductor), neutral (white 14 AWG/600v copper conductor) and grounding wire (green 12 AWG copper conductor) through conduit and attach closed loop terminals marked of use with range. (Terminal is not required on grounding wire if used with ground washer.
5. Remove 3 mounting screws and green grounding screw. Cut off and discard ground strap. Attach line #1 (red) to the left terminal, line #2 (black) to the right terminal, the neutral wire (white) to the center terminal and the copper ground wire to the green grounding screw using the ground washer.
6. Reattach the access door.



## Natural to LP/Propane Conversion Instructions

This product is manufactured and adjusted for operation with natural gas as shipped from the factory. To operate with LP/Propane gas, the following adjustments should be made:

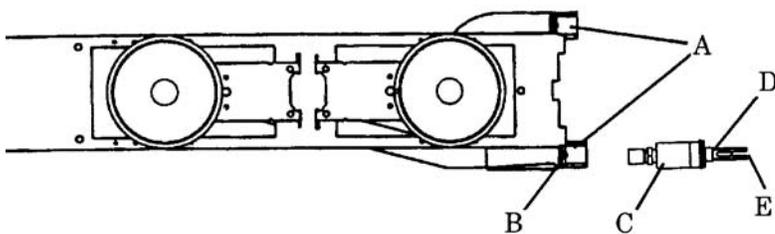
1. A pressure regulator is located in the left rear corner of the burner box. To gain access to the pressure regulator, remove the two left grates, two burner bowls, and the left grate support. Convert the regulator by removing the cap marked "Nat" and reverse it to read "LP". Be sure not to disturb or remove the spring beneath the cap.
2. To convert surface, griddle, and grill burners to LP/Propane, turn the burner orifice hoods clockwise until they become snug against the internal LP/Propane pin orifice.
3. See the "Burner Adjustment" sections to obtain a properly adjusted flame of all burners.

When installing or removing the range for service, a rolling lift jack should be used. Do not push against any of the edges of the range in an attempt to slide it into or out of the installation. Although all metal parts are deburred during manufacturing, accidents could occur if the range should be moved suddenly or violently. Pushing or pulling a range (rather than using a lift jack), also increases the risk of bending the leg spindles or the internal coupling connectors.

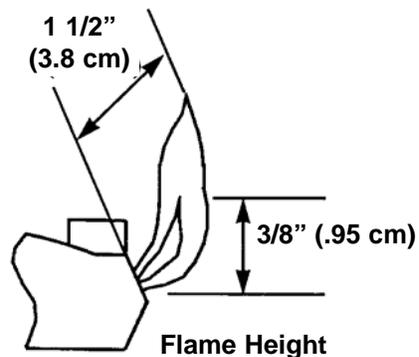
## Surface Burner Adjustments

To gain access to the surface burner adjustments:

1. Remove the grates, bowls, and grate supports.
2. Locate the air shutter "A" and loosen the screw "B" that holds the air shutter in place.
3. Remove the drip tray, allowing your work space to adjust the orifice hood "C".
4. Replace grate support and burner bowls (this allows for correct air flow, as in normal use).
5. Light each burner by rotating the burner valve shaft "D" to high position.
6. With a proper flame height, adjust the air shutter "A" to obtain a blue flame with no yellow tipping that sits on the burner at the burner ports.
  - (a) open the air shutter gap to eliminate yellow tipping.
  - (b) close the air shutter gap to prevent a noisy flame that lifts off the burner.
7. Turn the surface burners off.
8. Replace the drip tray.
9. Tighten the air shutter screw "B".
10. Replace the grate support, bowls, and grates.
11. Turn the lighted burners to the low flame setting.
12. Insert a narrow flat-blade screwdriver into the hollow shaft of the surface burner valve and engage the slotted low flame adjustment screw. The low flame should be a small flame that comes just to the top edge of the burner. Rotate the adjusting screw clockwise to low flame or counter clockwise to increase the flame. Turn the burner off and relight several times, turning to the low position. The low flame should light at every port each time. Readjust as needed.



- A - Air Shutter
- B - Air Shutter Set Screw
- C - Orifice
- D - Burner Valve Shaft
- E - Adjusting Screw

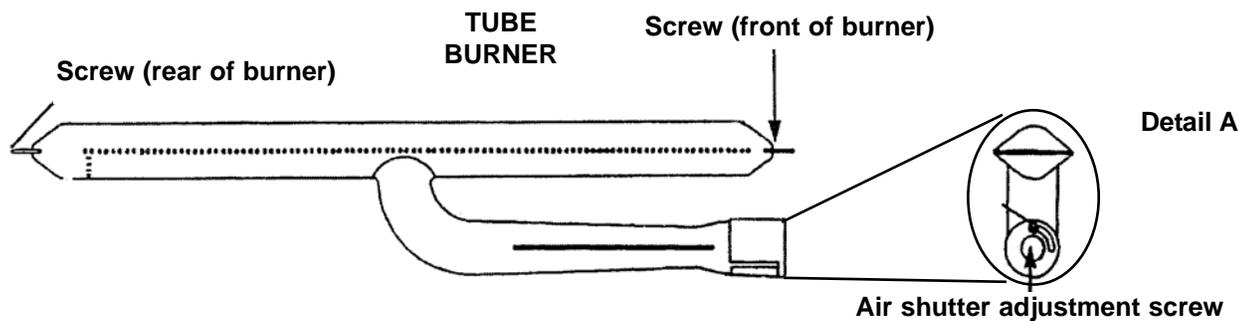
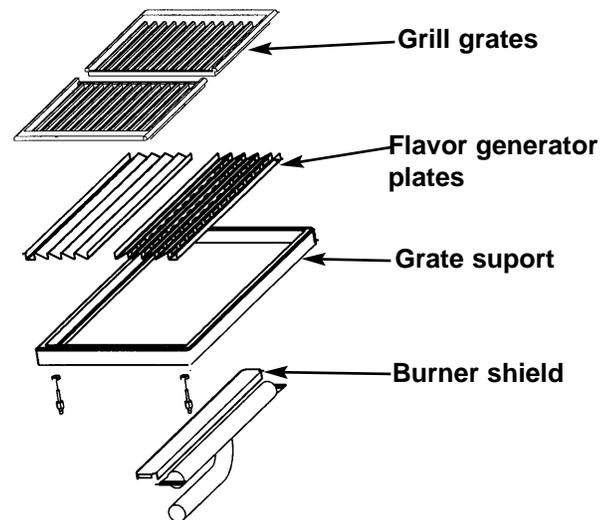


## Grill/Griddle Burner Adjustment

### Grill (Item A)

1. The grill burner orifice and air shutter are located beneath the front end of the grill assembly. To gain access to the adjustments, remove the grill grate, flavor generator plates, grate support, and the burner shield.
2. Remove the screw at the front and rear of the burner.
3. Lift the tube burner off the orifice and locate the air shutter adjustment screw at the end of the burner.
4. Loosen the screw and adjust the air shutter to the desired setting. (for natural gas open shutter approximately 3/8" [0.98 cm]; for LP/Propane gas open the air shutter approximately 7/16" [1.1 cm]).
5. Tighten the screw, then replace tube burner on orifice.
6. Check flame for desired height before replacement of the above parts.
7. The flame adjustments are the same as the surface burners. Use a 1/2" (1.3 cm) deep socket to adjust the orifice head on Nat. gas only (LP tightened to fixed orifice); turn clockwise to decrease the flame and counter clockwise to increase the flame.

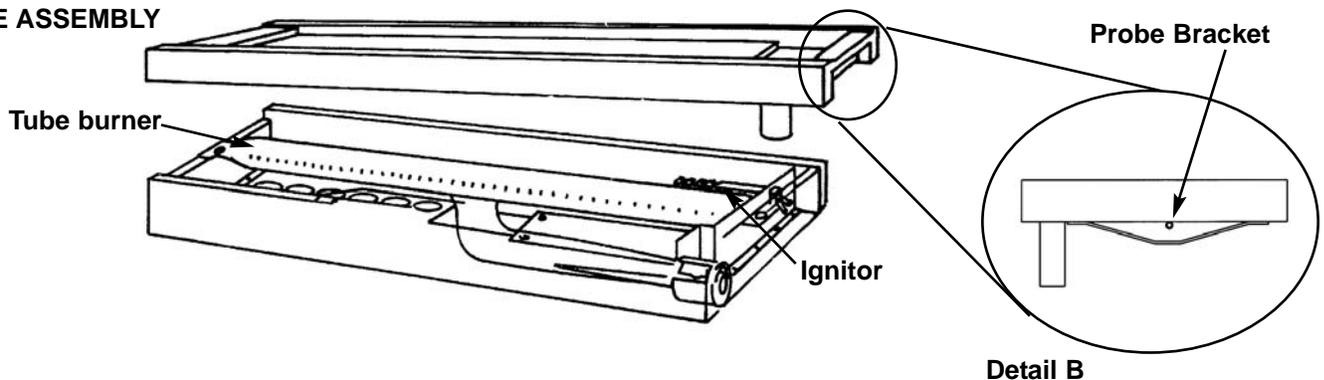
### GRILL BURNER ASSEMBLY



### Griddle (Item B)

1. To gain access to the burner orifice and air shutter, remove grates and grate supports located on either side of the griddle. Lift and remove griddle. **CAUTION:** Before fully removing the griddle assembly, lift the griddle assembly approximately 4" above the griddle box. Carefully remove the temperature probe from the probe bracket. (See Detail "B") **Make note of the position of the temperature probe so it can be reinstalled properly.** Failure to properly reinstall can result in damage to the temperature probe.
2. Carefully remove ignitor and put to the side.
3. Remove the metal plate located below the burner.
4. Remove the screws at the front and rear of the burner, remove the burner tube and locate the air shutter adjustment screw at the end of the burner tube.
5. Flame adjustments are the same as grill - see #4-#7 under Grill.
6. Replace all griddle parts, griddle, grate supports, and grates.

### GRIDDLE ASSEMBLY



## Initial Ignition of Burners

All ovens are tested before leaving the factory. When the oven is connected to the gas supply and the electrical service, the installer should use the "Performance Checklist" for his final checks.

When adjustments are required, contact your dealer/installer for corrections. If assistance is not available, contact Viking Range Corporation Preferred Service for the nearest authorized service agent at (662) 451-4133. All corrections to installation are the responsibility of the dealer/installer or end user.

## Performance Checklist

The installer should carry out the following performance checks. Refer to instructions below.

1. Check open top burner ignition.
2. Cycle griddle burner.
3. Check grill ignition - all burner ports.
4. Check for gas leaks (odors) at all gas connections.
5. Check air shutter adjustment; sharp blue flame, no yellow tipping, no sooting, no flame lifting.
5. Check oven bake function - bake element on full power, center and outside broil elements at partial power.  
Convection bake function - bake and broil element is same with the convection fan on.
6. Check convection cook function - convection cook element (behind fan cover) on and convection fan on.
7. Check mini broil function - center broil element on.
8. Check maxi broil function - center and outside broil elements on. Convection broil function is the same as maxi broil with the convection fan on.
9. Check self-clean function - door will lock and in approximately 30 seconds; the center and outside broil elements will turn on and the bake element will turn on at partial power. Check broil elements through window to make sure they are on, then abort self-clean cycle to unlock door.  
**CAUTION:** Do not run self-clean cycle for more than 10 minutes with oven racks and rack supports inside oven. This could cause them to discolor due to the high temperature required for self-cleaning.

## Final Preparation

1. Some stainless steel parts may have a plastic protective wrap which must be removed. The interior of the oven should be washed thoroughly with hot, soapy water to remove film residues and any installation dust or debris before being used for food preparation, then rinsed and wiped dry. Solutions stronger than soap and water are rarely needed.
2. All stainless steel body parts should be wiped with hot, soapy water and with a liquid cleaner designed for this material. If buildup occurs, do not use steel wool, abrasive cloths, cleaners, or powders! If it is necessary to scrape stainless steel to remove encrusted materials, soak with hot, wet cloths to loosen the material, then use a wood or nylon scraper. Do not use a metal knife, spatula, or any other metal tool to scrape stainless steel! Scratches are almost impossible to remove.

**NOTE:** These installation instructions should remain with the unit for future reference. The electrical diagram is located beneath the drip tray in the rear corner of the burner box. Remove the right rear burner bowl and pull the drip tray forward approximately 6" (15.2 cm)

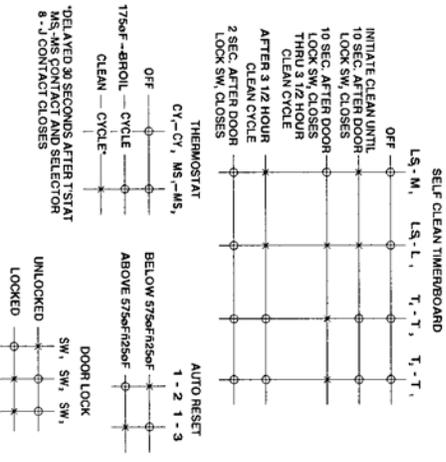
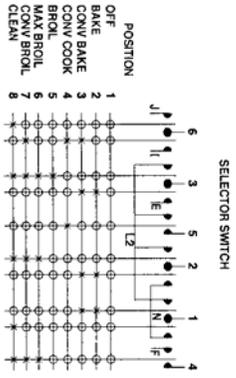
## Replacement Parts

Only authorized replacement parts may be used in performing service on the oven. Replacement parts are available from factory authorized parts distributors. Contact Viking Range Corporation Preferred Service, (662) 451-4133, for the nearest parts distributor in your area.

# WIRING DIAGRAM DUAL FUEL 30" W. AND 36" W. RANGES

**PRE-HEAT BOARD**

| POSITION                   | K3   |      |      | K4   |      |      |
|----------------------------|------|------|------|------|------|------|
|                            | N.O. | N.C. | N.O. | N.O. | N.C. | N.O. |
| OFF                        | 0    | X    | 0    | 0    | X    | X    |
| START IN ANY BAKE POSITION | X    | 0    | 0    | X    | X    | 0    |
| AFTER FIRST CYCLE          | 0    | X    | 0    | 0    | 0    | X    |

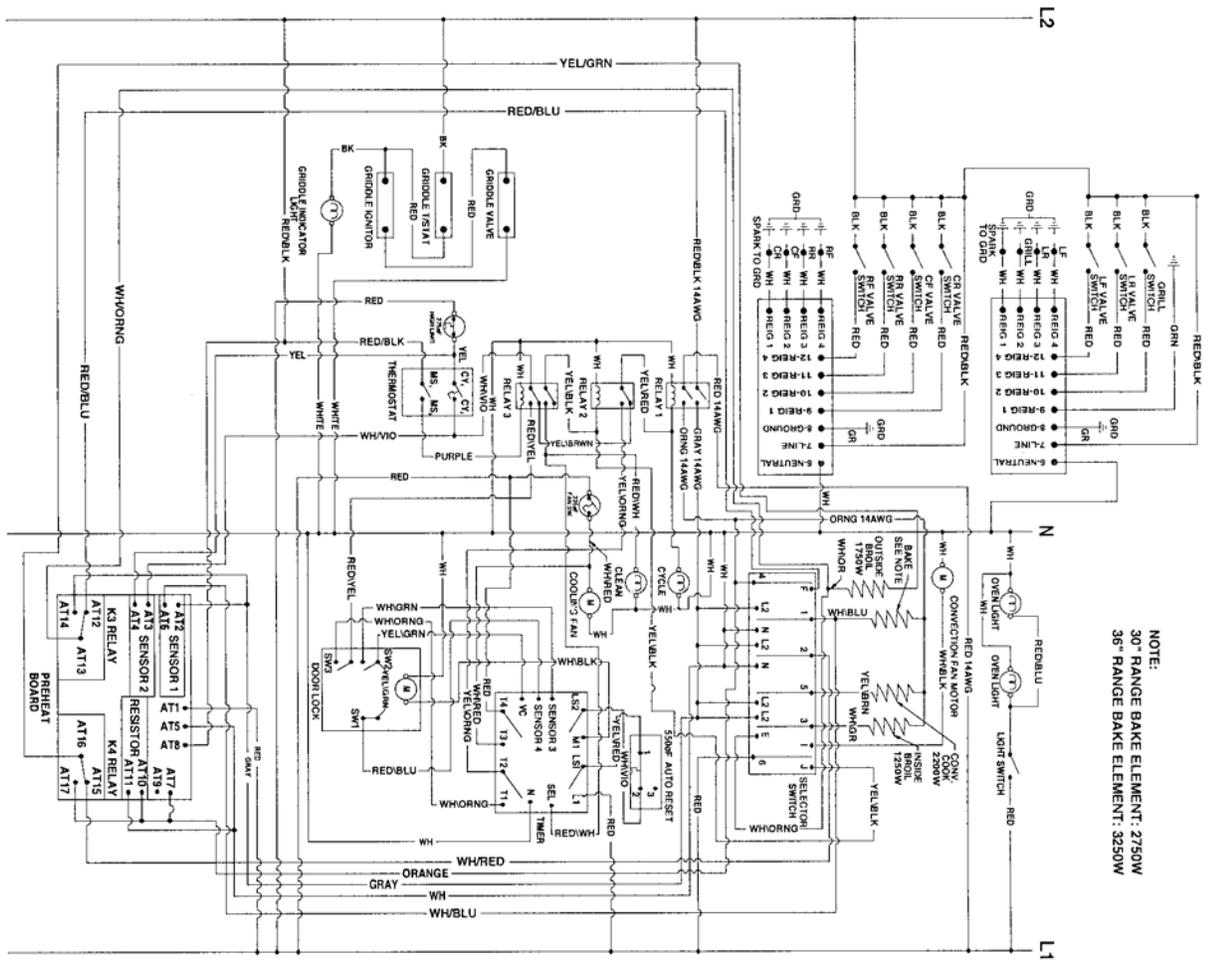


FOR CONNECTION TO THE FACTORY INSTALLED TERMINAL BLOCK USE COPPER CONDUCTORS ONLY

**WARNING**-THIS UNIT MUST BE GROUNDED. SEE INSTALLATION INSTRUCTIONS FOR PROPER GROUNDING PROCEDURES.

NOTE: TRAILERS OR STRIPES WILL BE THE SECOND COLOR IN A COLOR COMBINATION

**CAUTION**-LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.



NOTE:  
30" RANGE BAKE ELEMENT: 2750W  
36" RANGE BAKE ELEMENT: 3250W

# WIRING DIAGRAM

## CANADIAN DUAL FUEL 30"W. AND 36" W. RANGES

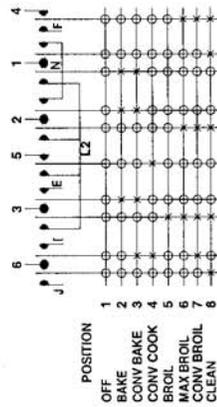
NOTE:  
30" RANGE BAKE ELEMENT: 2750W  
36" RANGE BAKE ELEMENT: 3250W

### PRE-HEAT BOARD

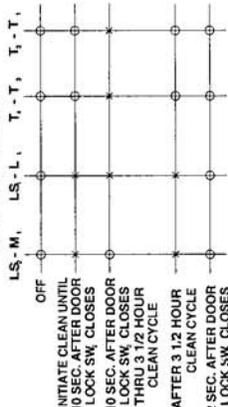
| POSITION                                     | K3   |      | K4   |      |
|--|------|------|------|------|
|  | N.O. | N.C. | N.O. | N.C. |
| OFF  | 0    | X    | 0    | X    |
| START IN ANY BAKE POSITION AFTER FIRST CYCLE | X    | 0    | X    | 0    |

POSITION  
OFF  
START IN ANY BAKE POSITION  
AFTER FIRST CYCLE

### SELECTOR SWITCH



### SELF CLEAN TIMER BOARD



THERMOSTAT  
CY - CY, MS - MS,  
1750F - BROIL - CYCLE  
CLEAN - CYCLE

AUTO RESET  
1 - 2 1 - 3

BELOW 5750F/250F  
ABOVE 5750F/250F

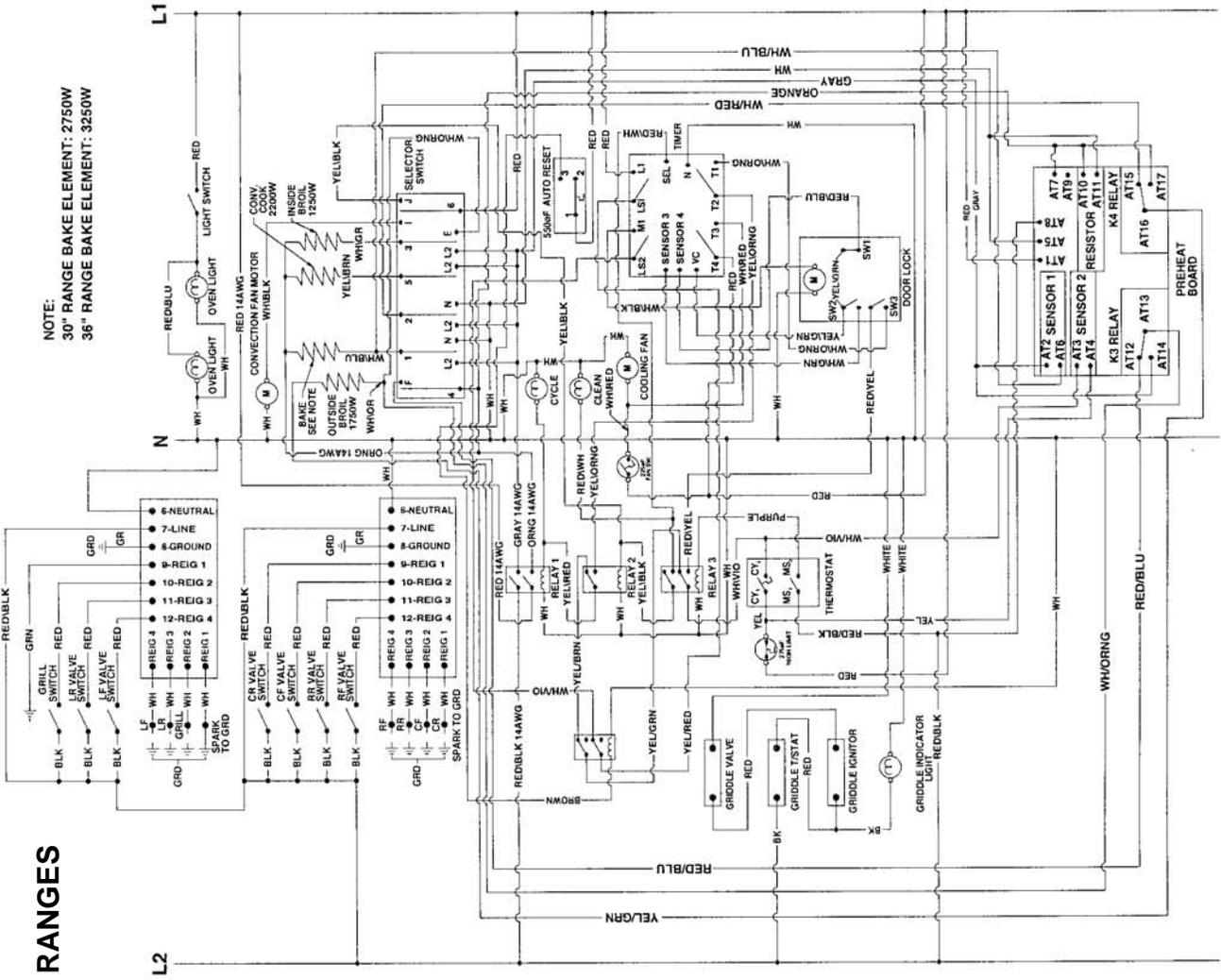
DOOR LOCK  
SW, SW, SW,  
UNLOCKED  
LOCKED

O = OPEN  
X = CLOSED

FOR CONNECTION TO THE FACTORY INSTALLED TERMINAL BLOCK USE COPPER CONDUCTORS ONLY

**WARNING**-THIS UNIT MUST BE GROUNDED. SEE INSTALLATION INSTRUCTIONS FOR PROPER GROUNDING PROCEDURES.

NOTE: TRAILERS OR STRIPES WILL BE THE SECOND COLOR IN A COLOR COMBINATION REFER ONLY TO FEATURES WHICH ARE EQUIPPED WITH THIS UNIT.

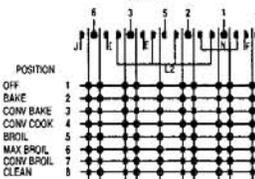


# WIRING DIAGRAM DUAL FUEL 48" W. RANGE

**PRE-HEAT BOARD**

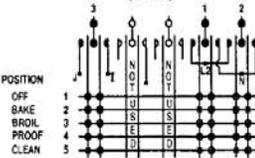
| POSITION                                     | K3   |      | K4   |      |
|--|------|------|------|------|
|  | N.O. | N.C. | N.O. | N.C. |
| OFF  | 0    | X    | 0    | X    |
| START IN ANY BAKE POSITION AFTER FIRST CYCLE | X    | 0    | X    | 0    |
|  | 0    | X    | 0    | X    |

SELECTOR SWITCH  
(RH OVEN)



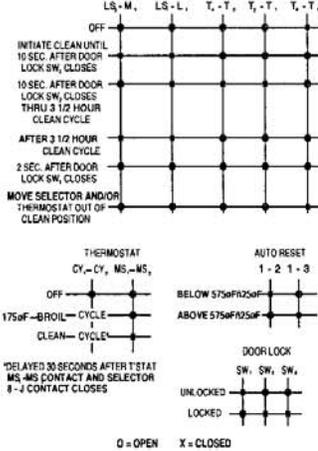
O = OPEN X = CLOSED

SELECTOR SWITCH  
(LH OVEN)



O = OPEN X = CLOSED

SELF CLEAN TIMER BOARD



O = OPEN X = CLOSED

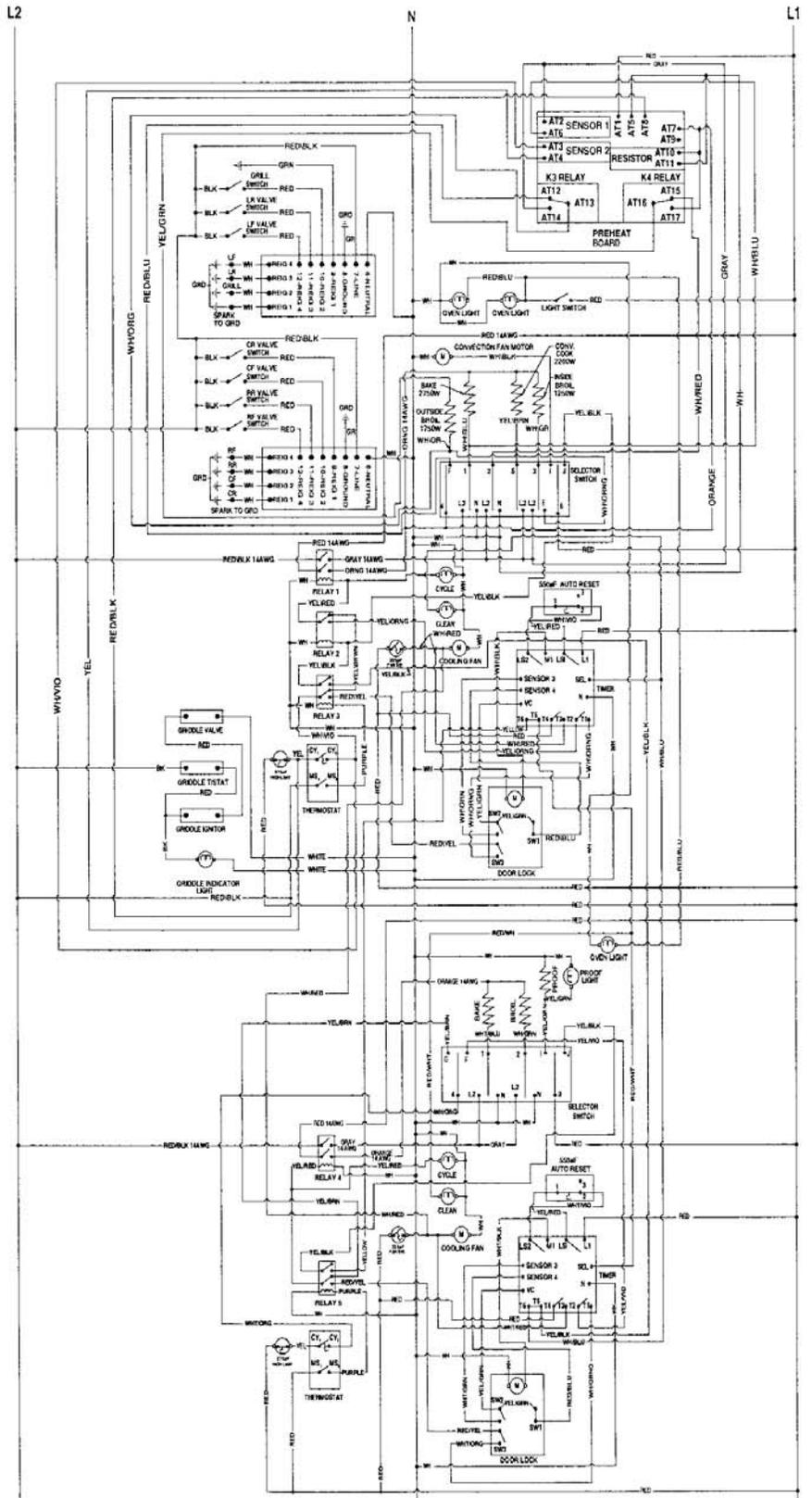
FOR CONNECTION TO THE FACTORY INSTALLED TERMINAL BLOCK USE COPPER CONDUCTORS ONLY

**WARNING**—THIS UNIT MUST BE GROUNDED. SEE INSTALLATION INSTRUCTIONS FOR PROPER GROUNDING PROCEDURES.

**CAUTION**—LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

NOTE: TRAILERS OR STRIPS WILL BE THE SECOND COLOR IN A COLOR COMBINATION

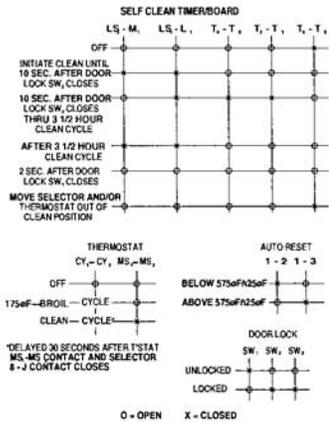
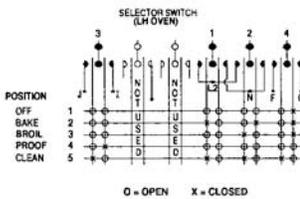
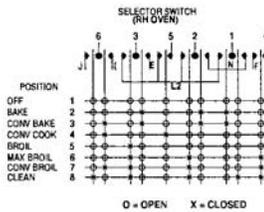
REFER ONLY TO FEATURES WHICH ARE EQUIPPED WITH THIS UNIT.



# WIRING DIAGRAM CANADIAN DUAL FUEL 48" W. RANGE

**PRE-HEAT BOARD**

|  | K3   |      | K4   |      |
|--|------|------|------|------|
| POSITION                                     | N.O. | N.C. | N.O. | N.C. |
| OFF  | 0    | X    | 0    | X    |
| START IN ANY BAKE POSITION AFTER FIRST CYCLE | X    | 0    | X    | 0    |
|  | 0    | X    | 0    | X    |

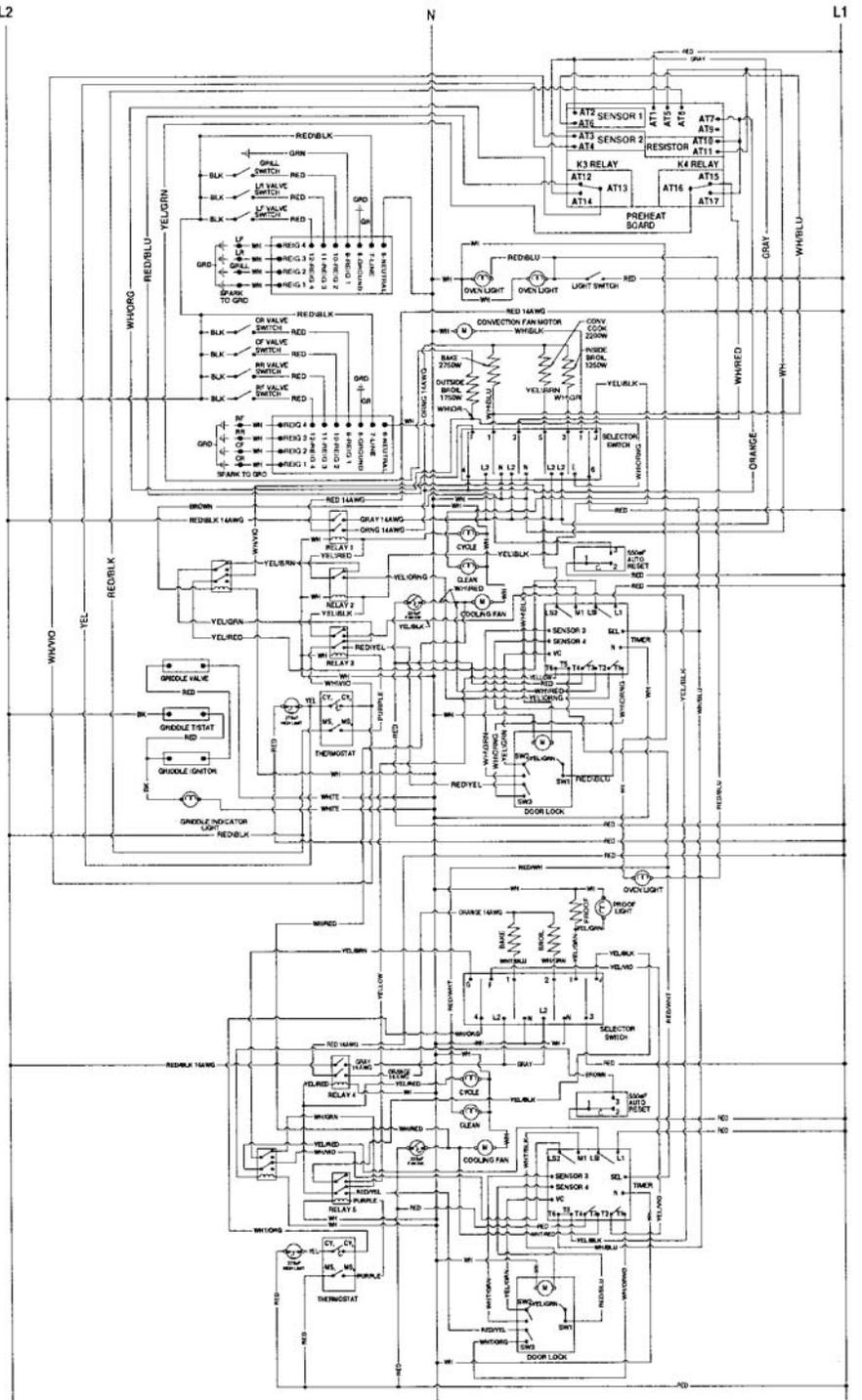


FOR CONNECTION TO THE FACTORY INSTALLED TERMINAL BLOCK USE COPPER CONDUCTORS ONLY

**WARNING**-THIS UNIT MUST BE GROUNDED. SEE INSTALLATION INSTRUCTIONS FOR PROPER GROUNDING PROCEDURES.

NOTE: TRAILERS OR STRIPES WILL BE THE SECOND COLOR IN A COLOR COMBINATION

REFER ONLY TO FEATURES WHICH ARE EQUIPPED WITH THIS UNIT.



Viking Range Corporation

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Specifications subject to change without notice

For more product information, call 1-888-VIKING1 (845-4641), or visit our web site at <http://www.vikingrange.com>

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