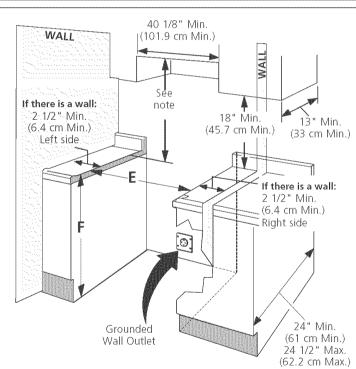


IMPORTANT: SAVE FOR LOCAL ELECTRICAL INSPECTOR'S USE. READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. OBSERVE ALL GOVERNING CODES AND ORDINANCES.

WARNING If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

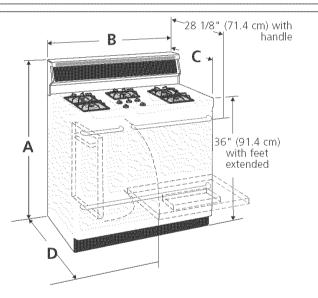
FOR YOUR SAFETY:

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- 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.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.



Do not pinch the power supply cord between the range and the wall.

Do not seal the range to the side cabinets.



NOTE: 24" (61 cm) minimum clearance between the cooktop and the bottom of the cabinet when the bottom of wood or metal cabinet is protected by not less than 1/4" (0.64 cm) flame retardant millboard covered with not less than No. 28 MSG sheet metal, 0.015" (0.4 mm) stainless steel, 0.024" (0.6 mm) aluminum, or 0.020" (0.5 mm) copper.

30" (76.2 cm) minimum clearance when the cabinet is unprotected.

A. HEIGHT	B. WITDH	C. DEPTH TO FRONT OF RANGE	D. DEPTH WITH DOOR OPEN	E. MINIMUM CUTOUT WIDTH	F. HEIGHT OF COUNTERTOP
46 3/4" (118.7 cm)	40 1/8" (101.9 cm)	25 7/8" (65.7 cm)	43 3/4" (111.1 cm)	40 1/4" (102.2 cm)	36" (91.4 cm) standard 35 3/8" (90 cm) min.

Printed in United States

Important Notes to the Installer

- 1. Read all instructions contained in these installation instructions before installing range.
- 2. Remove all packing material from the oven compartments before connecting the electrical supply to the range (see "Preparation", page 5).
- Install the 4 shipping bolts from range packaging as range leveling legs (see "Leveling the Range", page 6).
- 4. Two anti-tip brackets MUST be removed from lower back of range and MUST be installed (see "Anti-tip Bracket Installation", page 8).
- 5. Observe all governing codes and ordinances.
- 6. Be sure to leave these instructions with the consumer.

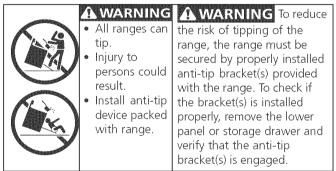
Important Note to the Consumer

Keep these instructions with your owner's guide for future reference.

IMPORTANT SAFETY INSTRUCTIONS

Installation of this range must conform with local codes or, in the absence of local codes, with CAN/CGA-B149.1 and CAN/CGA-B149.2 standards.

This range has been design certified by the American Gas Association. As with any appliance using gas and generating heat, there are certain safety precautions you should follow. You will find them in the <u>Use and Care</u> <u>Guide</u>, read it carefully.



- Be sure your range is installed and grounded properly by a qualified installer or service technician.
- This range must be electrically grounded in accordance with local codes or, in their absence, with CSA standard C22.1, Canadian Electrical Code, Part 1.
- The installation of appliances designed for manufactured (mobile) home installation must conform with Manufactured Home Construction and Safety Standard, title 24CFR, 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 Installation 1982 (Manufactured Home Sites, Communities and Setups), ANSI Z225.1/NFPA 501Alatest edition, or with CAN/CSA-Z240 MH.

- Make sure the wall coverings around the range can withstand the heat generated by the range.
- Before installing the range in an area covered with linoleum or any other synthetic floor covering, make sure the floor covering can withstand heat at least 90°F (32.2 °C) above room temperature without shrinking, warping or discoloring. Do not install the range over carpeting unless you place an insulating pad or sheet of 1/4" (0.6 cm) thick plywood between the range and carpeting.
- 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.

WARNING Never leave children alone or unattended in the area where an appliance is in use. As children grow, teach them the proper, safe use of all appliances. Never leave the oven door open when the range is unattended.

WARNING Stepping, leaning or sitting on the door(s) or drawer of this range can result in serious injuries and can also cause damage to the range.

- Do not store items of interest to children in the cabinets above the range. Children could be seriously burned climbing on the range to reach items.
- To eliminate the need to reach over the surface units, cabinet storage space above the units should be avoided.
- Adjust surface burner flame size so it does not extend beyond the edge of the cooking utensil. Excessive flame is hazardous.
- Do not use the oven as a storage space. This creates a potentially hazardous situation.
- Never use your range for warming or heating the room. Prolonged use of the range without adequate ventilation can be dangerous.
- Do not store or use gasoline or other flammable vapors and liquids near this or any other appliance. Explosions or fires could result.
- In the event of an electrical power outage, the surface burners can be lit manually. To light a surface burner, hold a lit match to the burner head and slowly turn the Surface Control knob to Lite. Use caution when lighting surface burners manually.
- Reset all controls to the "off" position after using a programmable timing operation.

WARNING This appliance is equipped with a 4prong grounding plug for your protection against shock hazard, and should be plugged directly into a properly grounded receptacle. Do not cut or remove the ground prong from this plug.

FOR MODELS WITH SELF-CLEAN FEATURE:

• Remove broiler pan, food and other utensils before self-cleaning the oven. Wipe up excess spillage. Follow the precleaning instructions in the <u>Use</u> and <u>Care Guide</u>.

Factory Connected Power Supply Cord

This range is equipped with a factory-connected power cord (see Figure 1). Cord must be connected to a grounded 120/240 volt or 120/208 volt range outlet. If not outlet is available, have one installed by a qualified electrician.

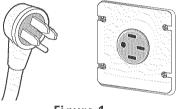


Figure 1

A WARNING

Electrical Shock Hazard

- Electrical ground is required on this appliance.
- Do not connect to the electrical supply until appliance is permanently grounded.
- Disconnect power to the circuit breaker or fuse box before making the electrical connection.
- This appliance must be connected to a grounded, metallic, permanent wiring system, or a grounding connector should be connected to the grounding terminal or wire lead on the appliance.
- Do not use the gas supply line for grounding the appliance.

Failure to do any of the above could result in a fire, personal injury or electrical shock.

Range Placement

EXAUTION To eliminate the risk of burns or fire by reaching over heated surface units, cabinet storage space located above the range should be avoided. If cabinet storage space is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5" (12.7 cm) beyond the bottom of the cabinet.

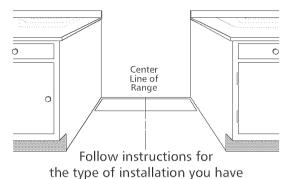


Figure 2

If range will be installed with a cabinet on both sides, draw a center line on the floor between the cabinets (see figure 2). If back of range will not be flush with the wall (the location of the outlet may not allow the range to be positioned against the wall), draw a line on the floor where the back edge of the range will be. Now install anti-tip brackets (see "Anti-tip Brackets Installation", page 8).

If range will be installed with a cabinet on one side only, move the range into final position. Draw a line on the floor along the side of the range that is not against the cabinet. If back of range will not be flush with the wall (the location of the outlet may not allow the range to be positioned against the wall), draw a line on the floor where the back edge of the range will be. Now install anti-tip brackets (see "Anti-tip Brackets Installation", page 8).

If range will not be installed against a cabinet, move range into final position. Draw a line on the floor along both sides of the range. If back of range will not be flush with the wall (the location of the outlet may not allow the range to be positioned against the wall), draw a line on the floor where the back edge of the range will be. Now install anti-tip brackets (see "Anti-tip Brackets Installation", page 8).

Gas Supply Installation

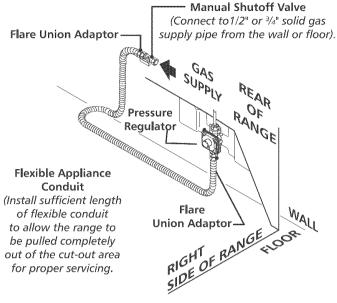


Figure 3

When shipped from the factory, this unit is designed to operate on 4" water column (1.0 kPa) Natural gas manifold pressure. A convertible pressure regulator is connected to the range manifold and MUST be connected in series with the gas supply line. To access the regulator, remove the drawer.

For proper operation, the maximum inlet pressure to the regulator should be no more than 14" of water column pressure (3.5 kPa).

The inlet pressure to the regulator must be at least 1" (.25 kPa) greater than the regulator manifold pressure setting. The regulator is set for 4" water column (1.0 kPa) Natural gas manifold pressure; the inlet pressure must be at least 5" water column (1.25 kPa) Natural gas. For LP/Propane gas, the regulator must be set for 10" water column (2.5 kPa) manifold pressure; the inlet pressure must be at least 11" water column (2.75 kPa).

The supply line should be equipped with an approved shutoff valve (see Figure 3). This valve should be located in the same room as the range and should be in a location that allows ease of opening and closing. Do not block access to the shutoff valve. The valve is for turning on or shutting off gas to the appliance.Open the shutoff valve in the gas supply line. Wait a few minutes for gas to move through the gas line.

The gas supply between the shutoff valve and the regulator may be connected by rigid piping or by A.G.A./ C.G.A.-approved flexible metallic union connected piping where local codes permit use. The gas supply piping can be through the side wall of the right cabinet. The right side cabinet is an ideal location for the main shutoff valve. **ACAUTION** Do not make the connection too tight. The regulator is die cast. Overtightening may crack the regulator resulting in a gas leak and possible fire or explosion.

Assemble the flexible conduit from the gas supply pipe to the pressure regulator in this order:

- 1- manual shutoff valve, 2- flare union adapter,
- 3- flexible conduit, 4- flare union adapter,
- 5- pressure regulator.

The gas supply line to the shutoff valve should be 1/2" or 3/4" solid pipe.

The user must know the location of the main shutoff valve and have easy access to it.

When using flexible gas conduit on the range, allow sufficient slack to pull the range outside the cutout for cleaning or servicing.

NOTE: Do not allow the flexible conduit to get pinched between the wall and the range. To visually check, remove the range drawer.

Use pipe-joint compound made for use with Natural and LP/Propane gas to seal all gas connections. If flexible conduit is used, be certain that it is not kinked.

Leak testing of the appliance shall be conducted according to the manufacturer's instructions.

Check for leaks. After connecting the range to the gas supply, check the system for leaks with a manometer. If a manometer is not available, turn on the gas supply and use a liquid leak detector at all joints and connections to check for leaks.

WARNING Do not use a flame to check for leaks from gas connections. Checking for leaks with a flame may result in a fire or explosion.

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

Tighten all connections if necessary to prevent gas leakage in the cooktop or supply line.

Check alignment of valves after connecting the cooktop to the gas supply to be sure the manifold pipe has not been moved.

Disconnect the range and its individual shutoff valve from the gas supply piping system during any pressure testing of the system at test pressures greater than 1/2 psig (3.5 kPa or 14" water column).

LP/Propane Gas Conversion

This appliance can be used with Natural Gas or Propane Gas. It is shipped from the factory for use with natural gas.

If you wish to convert your range for use with LP/Propane gas, use the supplied fixed orifices; they are contained in a special bag along with instructions marked "FOR LP/ PROPANE GAS CONVERSION", **located on the back of the range, close to the appliance regulator valve.**

The conversion must be performed by a qualified installer, LP supplier or service technician in accordance with the installation instructions furnished with this range and all codes and requirements of all local codes and requirements. Failure to follow instructions could result in serious injury or property damage. The qualified agency performing this work assumes responsibility for the conversion.

WARNING Failure to make the appropriate conversion can result in personal injury and property damage.

ACAUTION Any additions, changes or conversions required in order for this appliance to satisfactorily meet the application needs must be made by an authorized Sears Service Center, Distributor or Qualified Agency.

Moving the Appliance for Servicing and Cleaning

Turn off the range line fuse or circuit breakers at the main power source, and turn off the manual gas shutoff valve. Make sure the range is cold. Remove the service drawer and open the oven door. Lift the range at the front and slide it out of the cut-out opening without creating undue strain on the flexible gas conduit.

Isolate the range from the gas supply piping

system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5kPa or 14" water column).

Make sure not to pinch the flexible gas conduit at the back of the range when replacing the unit into the cutout opening. Replace the drawer, close the door and switch on the electrical power and gas to the range.

If the pressure regulator is connected to rigid piping, the regulator must be disconnected before moving the appliance.

Reassemble in reverse order (see figure 3).

Range Installation

ACAUTION When unpacking the range, do not discard the 4 shipping bolts. These are to be replaced on the unit for use as leveling legs and height adjustments.

NOTE:

- 1. The back of the range may be installed directly against the wall.
- 2. To reduce possible scorching of vertical walls and to minimize potential fire hazards under abnormal surface unit use conditions such as high heat or no pans and to conform to A.G.A. requirements, a minimum of 2 1/2" (6.4 cm) spacing should be provided on both sides of the cooktop.

Preparation

Excessive Weight Hazard

- Use 2 or more people to move and install range.
- Failure to follow this instruction can result in back or other injury.
- 1. Put on safety glasses and gloves. Remove oven racks and parts package from inside the oven. Remove shipping materials, tape and protective film from the range.
- 2. Take 4 cardboard corners from the carton. Stack one on top of another. Repeat with other 2 corners. Place corners lengthwise on the floor in back of the range to support range.
- 3. Firmly grasp the range and gently lay it on its back on the cardboard corners.
- 4. Remove and save the 4 shipping bolts from the skid. Discard skid.
- 5. Install 4 shipping bolts as leveling legs.
- 6. Lay a large piece of cardboard in front of the range. Carefully stand the range upright on cardboard.
- 7. Adjust the leveling legs to a point where the range base does not touch the floor.

Leveling the Range

Level the range and set cooktop height before installation in the cut-out opening (if applicable).

- 1. Install an oven rack in the center of the oven.
- 2. Place a level on the rack (see figure 4). Take 2 readings with the level placed diagonally in one direction and then the other. Level the range, if necessary, by adjusting the 4 leveling legs with a wrench (see Figure 8).
- 3. Slide range into cut-out opening and double check for levelness. If the range is not level, pull unit out and readjust leveling legs, or make sure floor is level.

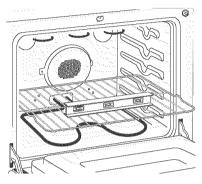


Figure 4

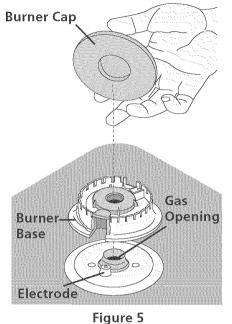
Check Operation

Refer to the Use and Care Guide and the Electronic Oven Control Guide packaged with the range for operating instructions and for care and cleaning of your range.

Remove all packaging from the oven before testing.

1. Install Burner Bases and Burner Caps

This range is equipped with sealed burners as shown (see Figure 5).



- a. Unpack burner bases and burner caps.
- b. Place burner bases over each gas opening.
- c. Make sure the burner is properly aligned and leveled. Place burner caps over appropriate burner bases.

NOTE: There are no burner adjustments necessary on this range.

2. Turn on Electrical Power and Open Main Shutoff Gas Valve

3. Check the Igniters

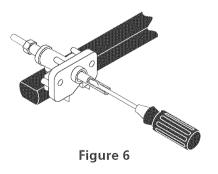
Operation of electric igniters should be checked after range and supply line connectors have been carefully checked for leaks and range has been connected to electric power. To check for proper lighting:

- a. Push in and turn a surface burner knob to the LITE position. You will hear the igniter sparking.
- b. The surface burner should light when gas is available to the top burner. Each burner should light within four (4) seconds in normal operation after air has been purged from supply lines. Visually check that burner has lit.
- c. Once the burner lights, the control knob should be rotated out of the LITE position.

There are separate ignition devices for each burner. Try each knob separately until all burner valves have been checked.

4. Adjust the "LOW" Setting of Surface Burner Valves (see Figure 6)

- a. Push in and turn each control to LITE until burner ignites.
- b. Quickly turn knob to LOWEST POSITION.
- c. If burner goes out, readjust valve as follows: Reset control to OFF. Remove the surface burner control knob, insert a thin-bladed screwdriver into the hollow valve stem and engage the slotted screw inside. Flame size can be increased or decreased with the turn of the screw. Adjust flame until you can quickly turn knob from LITE to LOWEST POSITION without extinguishing the flame. Flame should be as small as possible without going out.



5. Operation of Oven Elements

The oven is equipped with an electronic oven control. Each of the functions has been factory checked before shipping. However, it is suggested that you verify the operation of the electronic oven controls once more. Refer to the Use and Care Guide for operation. Follow the instructions for the Clock, Timer, Bake, Broil, Convection (some models) and Clean (some models) functions.

CAUTION When checking oven element operation, do not touch the elements. They will be hot enough to cause serious burns.

Bake–After setting the oven to 350°F (177°C) for baking, the lower element in the oven should become red.

Broil–When the oven is set to BROIL, the upper element in the oven should become red.

Clean (some models)–When the oven is set for a selfcleaning cycle, the upper element should become red during the preheat portion of the cycle. After reaching the self-cleaning temperature, the lower element will become red.

Convection (some models)–When the oven is set to CONV. BAKE/ROAST at 350°F (177°C), both elements cycle on and off alternately and the convection fan will turn. The convection fan will stop turning when the oven door is opened during convection baking or roasting.

When All Hookups are Complete

Make sure all controls are left in the OFF position.

Model and Serial Number Location

The serial plate is located on the drawer side frame.

When ordering parts for or making inquiries about your range, always be sure to include the model and serial numbers and a lot number or letter from the serial plate on your range.

Before You Call for Service

Read the Avoid Service Checklist and operating instructions in your Use and Care Guide. It may save you time and expense. The list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Refer to the warranty and service information in your Use and Care Guide for our phone number and address. Please call or write if you have inquiries about your range product and/or need to order parts.

Important Safety Warning

To reduce the risk of tipping of the range, the range must be secured to the floor by properly installed anti-tip brackets and screws packed with the range. Those parts are located in a plastic bag in the oven. Failure to install the anti-tip brackets will allow the range to tip over if excessive weight is placed on an open door or if a child climbs upon it. Serious injury might result from spilled hot liquids or from the range itself.

Follow the instructions below to install the anti-tip brackets.

If range is ever moved to a different location, the anti-tip brackets must also be moved and installed with the range. To check for proper installation, see step 5.

Tools Required:

5/16" (8 mm) Nutdriver or Flat Head Screwdriver Adjustable Wrench Electric Drill 3/16" (4.8 mm) Diameter Drill Bit 3/16" (4.8 mm) Diameter Masonry Drill Bit (if installing in concrete)

Anti-tip Bracket Installation

Brackets attach to the floor at the back of the range to hold both rear leg levelers. When fastening to the floor, be sure that screws do not penetrate electrical wiring or plumbing. The screws provided will work in either wood or concrete.

- 1. Unfold paper template and place it flat on the floor with the back and side edges positioned exactly where the back and sides of range will be located when installed. (Use the diagram in figure 7 to locate brackets if template is not available.)
- 2. Mark on the floor the location of the 4 mounting holes (2 holes per bracket) shown on the template. For easier installation, 3/16" (4.8 mm) diameter pilot holes 1/2" (1.3 cm) deep can be drilled into the floor.
- 3. Remove template and place brackets on floor with turned up flanges to the outside (see figure 7). Line up holes in brackets with marks on floor and attach with 4 screws provided (2 screws per bracket). Brackets must be secured to solid floor. If attaching to concrete floor, first drill 3/16" (4.8 mm) dia. pilot holes using a masonry drill bit.
- Level range if necessary, by adjusting the 4 leveling legs with a wrench. (See Figure 8 below.) A minimum clearance of 1/8" (3.2 mm) is required between the bottom of the range and the rear leveling legs to allow room for the anti-tip brackets.
- 5. Slide range into place making sure rear legs are trapped by ends of brackets. Range may need to be shifted slightly to one side as it is being pushed back to allow rear legs to align with brackets.
- 6. After installation, verify that the anti-tip bracket is engaged. Open and remove drawer and check to make sure the anti-tip bracket is engaged.

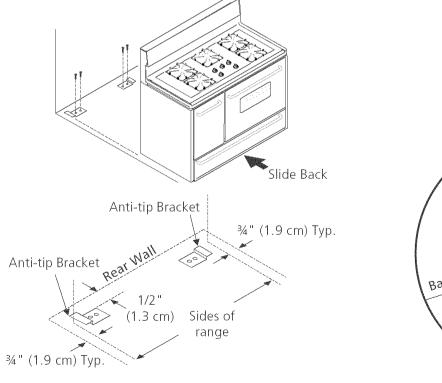


Figure 7

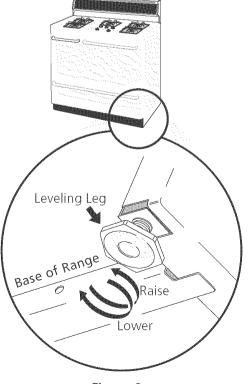
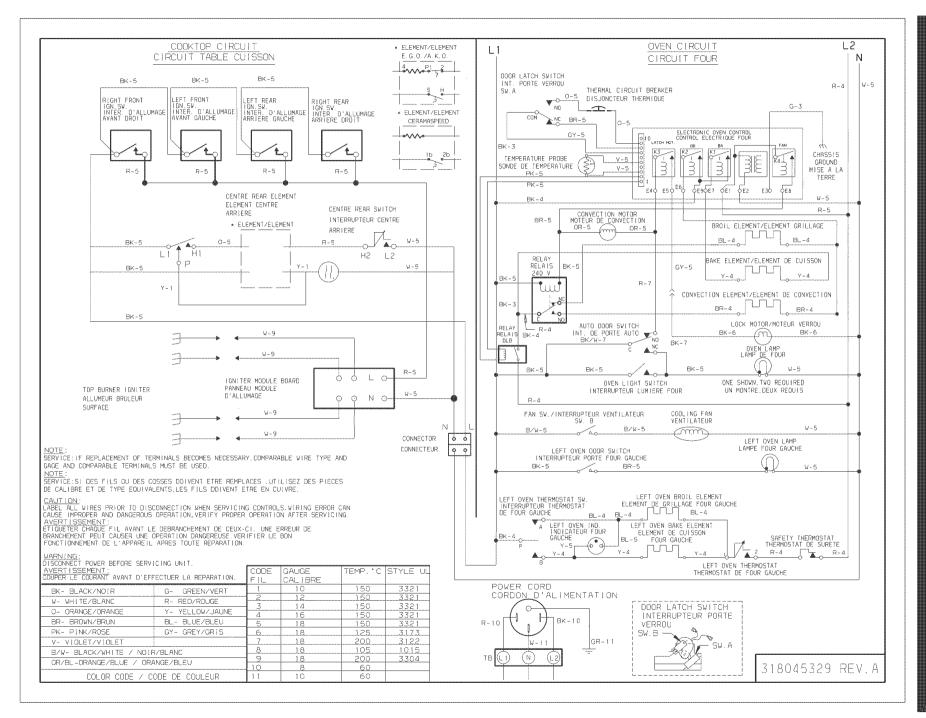
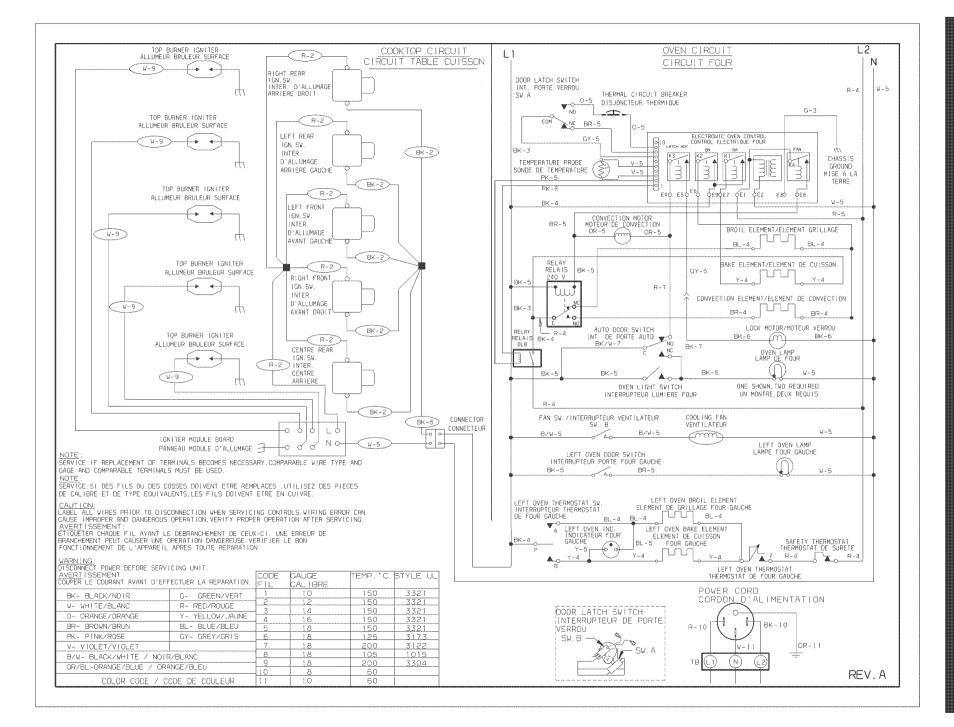


Figure 8



WIRING DIAGRAM



WIRING DIAGRAM