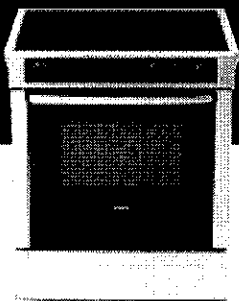


Installation Instructions



Slide-in Electric Ranges with European Convection



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Safety



IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE INSTRUCTIONS

Important Safety Instructions

- **Warning:** If the information in this manual is not followed exactly, fire or shock may result causing property damage or personal injury.
- **WARNING:** Do not repair or replace any part of the appliance unless specifically recommended in the manuals. Improper installation, service or maintenance can cause injury or property damage. Refer to this manual for guidance. All other servicing should be done by a qualified technician.

Appliance Handling Safety

- Do not lift appliance by door handle. Remove the door for easier handling and installation. See instructions in Use and Care Manual.
- Unit is heavy and requires at least two people or proper equipment to move.
- Hidden surfaces may have sharp edges. Use caution when reaching behind or under appliance.

Safety Codes and Standards

- This appliance complies with one or more of the following Standards:
 - UL 858, The Standard for the Safety of Household Electric Ranges
 - UL 923, The Standard for the Safety of Microwave Cooking Appliances
 - UL 507, The Standard for the Safety of Electric Fans
 - ANSI Z21.1-2000, The American National Standard for Household Cooking Gas Appliances
 - CAN/CSA-C22.2 No. 113-M1984 Fans and Ventilators
 - CAN/CSA-C22.2 No. 61-M89 Household Cooking RangesIt is the responsibility of the owner and the installer to determine if additional requirements and/or standards apply to specific installations.

Electric Safety

- Before you plug in an electrical cord, be sure all controls are in the OFF position.
- For appliances equipped with a cord and plug, do not cut or remove the ground prong. It must be plugged into a matching grounding type receptacle to avoid electrical shock. If there is any doubt as to whether the wall receptacle is properly grounded, the customer should have it checked by a qualified electrician.
- If required by the National Electrical Code (or Canadian Electrical Code), this appliance must be installed on a separate branch circuit.
- Only a power-supply cord kit rated for this appliance and marked "for use with ranges" shall be used.
- Installer - show the owner the location of the circuit breaker or fuse. Mark it for easy reference.
- Important - Save these instructions for the local electrical inspector's use.
- Before installing, turn power OFF at the service panel. Lock service panel to prevent power from being turned ON accidentally.
- Be sure your appliance is properly installed and grounded by a qualified technician. Installation, electrical connections and grounding must comply with all applicable codes.

Related Equipment Safety

- **Warning:** All ranges can tip. Injury to persons could result. Install anti-tip device packaged with range. Verify that the anti-tip devices are engaged. See installation instructions.

- Remove all tape and packaging before using the appliance. Destroy the packaging after unpacking the appliance. Never allow children to play with packaging material.
- Never modify or alter the construction of the appliance. For example, do not remove leveling legs, panels, wire covers or anti-tip brackets/screws.
- 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 hood that projects horizontally a minimum of 5 inches beyond the bottom of the cabinet.
- Verify that cabinets above the cooktop are a maximum of 13" (330 mm) deep.

Installation

Before You Begin

Tools and Parts Needed

- 40 or 50 Amp Power Supply Cord Kit (depending on local code)
Note: Not necessary for Canadian installations
- Measuring Tape
- Phillips Head Screwdriver
- 1-1/4" (31.8 mm) Wrench
- Pencil
- T-20 Torx Screwdriver
- Screws (2) and Anchors (2) for Anti-Tip Bracket (Style will vary depending on mounting surface)
- Level
- Drill and Drill Bit
- Soapy Water
- Safety Gloves and Goggles
- Tape (Optional)
- Cloth or Cardboard (Optional - to Protect Floor)

Additional Parts Needed For Hard Wire Installations

- Flexible Conduit
- Torque Wrench
- **Note:** Power Supply Cord Kit Not Necessary For Hard Wire Installations

Parts Included

- Anti-Tip Bracket
- Foam Tape
- Terminal Lugs (For Use With Hard Wire Installations) (not necessary for Canadian installations)

General Information

Overall Dimensions

Table 1: Overall Dimensions

Dimension	Inches	centimeters
Height	36	91.44 cm
Width	29 5/16"	74.55 cm
Depth	25 5/8"	65.09 cm

Level

For best results, cabinets, countertops walls and floors in the installation location should be as level and plumb as possible. Variance may cause damage to countertops and floors during installation, could jeopardize the seal around the cooktop and may adversely affect cooking and baking performance.

Tips

Tape warming drawer shut to keep it from opening while installing the range.

During installation, place a portion of the box or a piece of cloth under the range to protect floors.

To make range lighter and easier to handle remove door (see instructions in Use and Care manual).

Preparation

Electrical Requirements

Refer to data plate for more information. See "Product Data Plate" on page 17 for data plate location.

We recommend that the range be installed with a power cord set (not supplied).¹ The electrical rating of the power cord set must be 120/240 volt, 40 or 50 amperes minimum (depending on local code). The power cord set shall be marked "For Use with Ranges." Always use a new power cord.

Note: In Canada, the range is shipped from the factory with the range cord already installed.

Ranges are dual rated for use on either 120/240 VAC or 120/208 VAC. Check the data plate for the kW rating. Reference the kW rating in the table below to determine amperage requirements.

Table 2: Electrical Specifications

kW Rating		Hz	Amps Req'd
120/240V	120/208V		
13	9.8	60	40 or 50 ^a
13.8	10.4	60	40 or 50 ^a

a. Varies by location. Check local codes.

¹.Not needed for Canadian installations

The electrical outlet must be located in the shaded space in Figure 3.

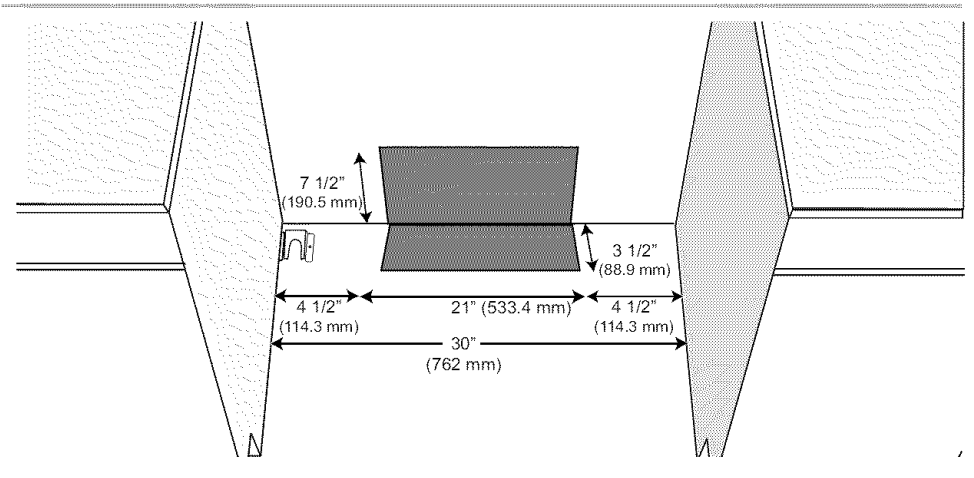


Figure 1: Cooktop Clearances

Verify that wiring to house is adequate

Contact your local utility company to verify that the present electric service to your home is adequate. In some instances, the size of the wiring to the house and service switch must be increased to handle the electrical load demanded by the range.

Verify that wiring inside house is adequate

Most wiring codes require a separate circuit with separate disconnect switch and fuses either in the main entrance panel or in a separate switch and fuse box.

The range requires a minimum of a three wire 120/240 or 120/208 volt, 40 or 50 AMP, 60 Hz AC circuit. Check local codes for proper amperage ratings. A four wire connection is preferred.

Most local building regulations and codes require that electrical wiring be done by licensed electricians. Be sure to install your range according to the electric codes in place in your region.

Cabinet Requirements

This unit is designed for installation near adjacent walls and projecting surfaces constructed of combustible materials.

Allow a minimum of 30 inches between cabinets where range is to be installed¹. See Figure 2: Cutout Requirements for more information..

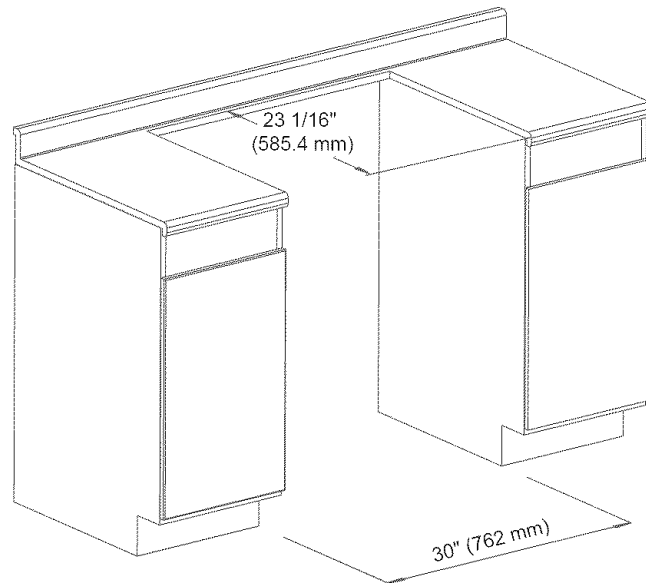


Figure 2: Cutout Requirements

Note: The slide-in range can also replace a freestanding range. In this case, verify that the opening is at least 30 inches.¹

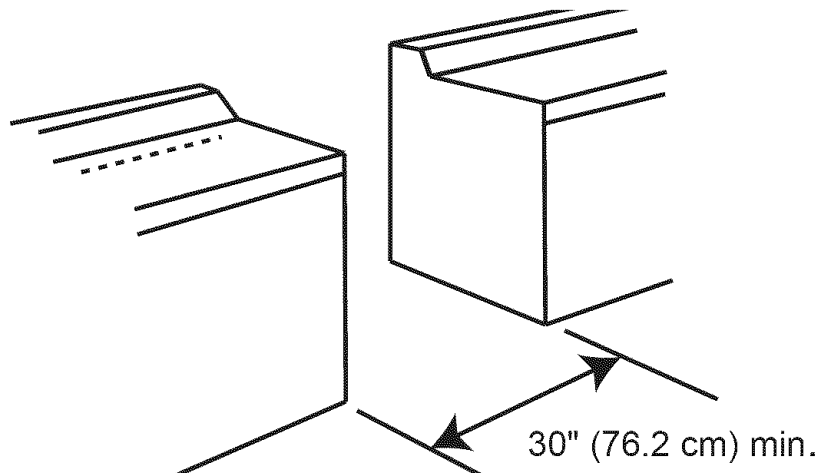


Figure 3: Cutout Requirements - Replacing a Free-Standing Model

¹.In Canada, a clearance of 12 mm from range sidewall to cabinet is required.

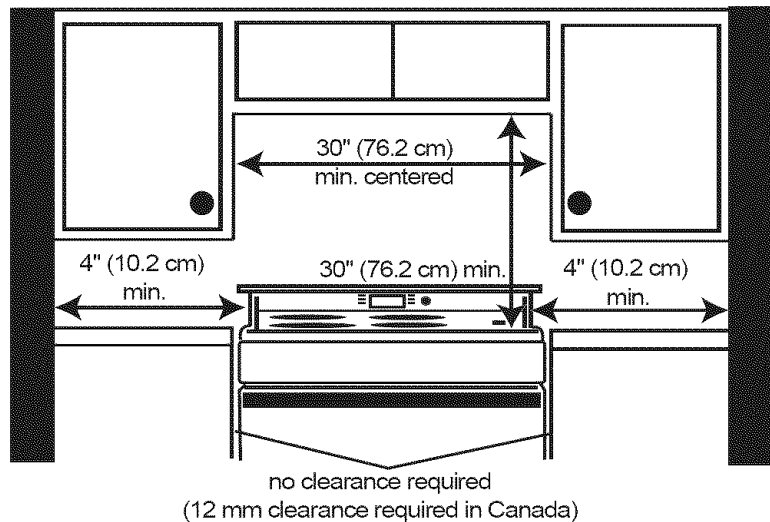


Figure 4: Cabinet Preparation

Required Clearance¹

From cooktop to materials above: There must be a minimum clearance of 30 inches between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet. See Figure 4: Cabinet Preparation.

24 inches is acceptable when the bottom of the wood or metal cabinet is protected by (a) not less than 1/4" of flame retardant material which must be covered with (b) not less than No. 28 MSG sheet metal, 0.015 inch stainless steel¹ or 0.024 inch aluminum or copper.

From range walls to adjacent materials: See Figure 4: Cabinet Preparation. No clearance is required from unit walls to adjacent vertical combustible walls on rear, right or left.²

Clearance from range top to adjacent vertical walls must be at least 4".

Note: Some cabinet finishes cannot survive the temperatures allowed by U.L., particularly self-cleaning ovens; the cabinets may discolor or stain. This is most noticeable with laminated cabinets.

Prepare Walls and Floor

Seal any holes in the walls or floor. Remove any obstructions (extra electrical or gas connections, etc.) so that range will rest against wall properly.

Countertop Requirements

Countertops must be smooth and level.

Mounting Requirements

Install Anti-Tip Bracket

1. Instructions were determined using standard American cabinets. Standard base cabinets measure 36" high x 24" deep. Cabinets over the cooking surface and cabinets adjacent to those over the cooking surface measure 13 inches deep from backwall. If nonstandard cabinets are used, care should be taken to alter dimensions accordingly.

2. In Canada, a clearance of 12 mm from range sidewall to cabinet is required.

1. Adjust height of range and level by rotating the adjustable leg supports on the bottom of the range, using 1-1/4" wrench.
2. Measure to locate bracket position as shown in See Figure 5: Anti-Tip Bracket.
3. Secure bracket with 2 screws adequate for mounting surface (i.e., for wood floor use wood screws, for concrete floor use concrete anchors and screws).

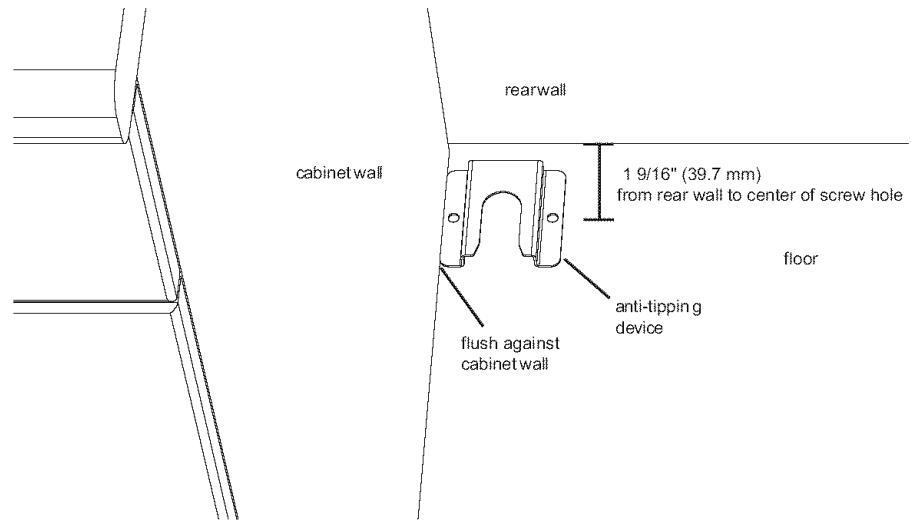


Figure 5: Anti-Tip Bracket

Ventilation Recommendations

We strongly recommend the installation of a ventilation hood above this appliance. For most kitchens a certified hood rating of not less than 300 CFM is recommended. The range hood must be installed according to instructions furnished with the hood.

Installation Procedure

Apply Foam Tape

Apply foam tape to underside of cooktop trim in one continuous piece.

Note: DO NOT use caulk or glue/adhesive of any kind.

Install Backwall Trim

Note: This step is only required if the countertop does not connect behind the range (i.e.; when replacing a free-standing range). See "Cabinet Requirements" on page 6 for more information

Install 2 screws through holes in trim and in range backwall. See Figure 6: Backwall Trim Strip and Figure 7: Install Backwall Trim Strip

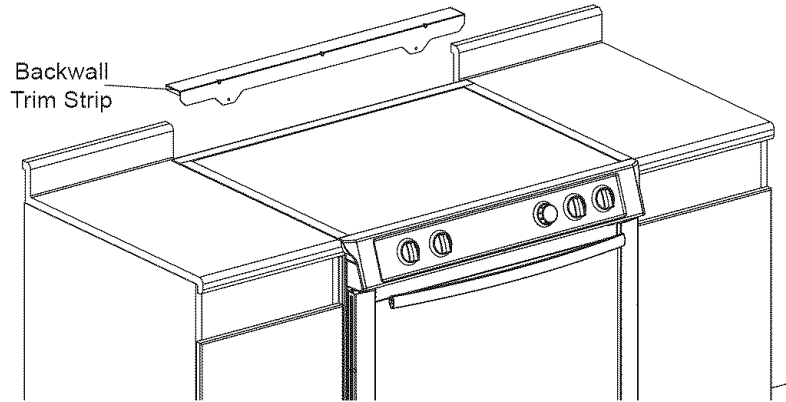


Figure 6: Backwall Trim Strip

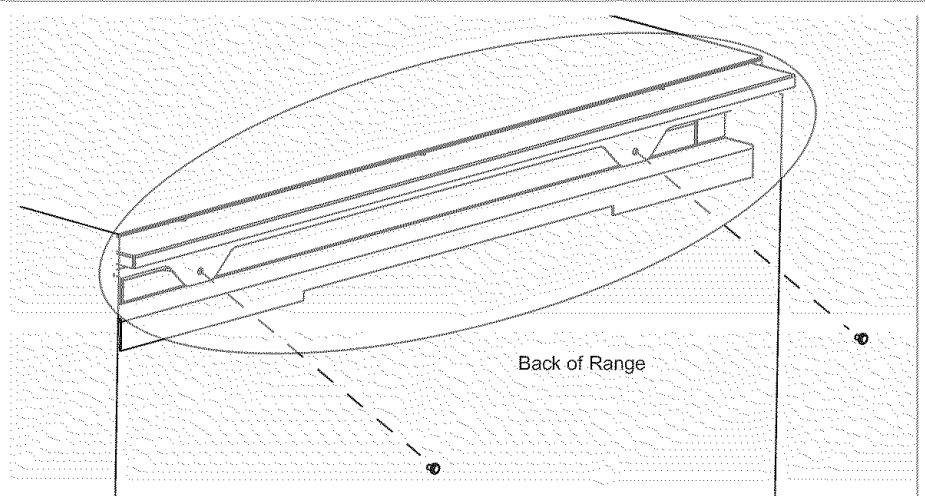


Figure 7: Install Backwall Trim Strip

Connect Electric - Range Cord

Note: In Canada, the range is shipped from the factory with the range cord already installed. Continue to “Complete the installation” on page 15.

For installations other than those in Canada, connect the range cord at the terminal block (See next page for detailed instructions). Access the terminal block by removing the cover in the lower right hand corner of the range back panel.

Install Strain Relief



Warning: The strain relief provided with your range cord must be properly installed.

Place strain relief in knockout below terminal block. See Figure 8: Strain Relief Knockout. Feed range cord through hole and strain relief up to terminal block. Allow for slack in the cord between the strain relief and terminal block. Once cord

length/ slack has been adjusted, attach strain relief per instructions included with strain relief.

Tip: The knockout panel below the terminal block can be removed from the range to install the strain relief: Remove knockout panel from range, install strain relief in panel and reattach. DO NOT remove entire range back panel.

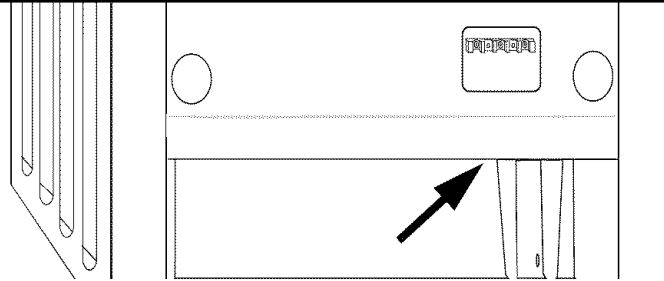


Figure 8: Strain Relief Knockout



Warning: Risk of Electric Shock or Fire. Frame grounded to neutral through a ground strap. 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, (a) disconnect the link from the neutral, (b) use grounding terminal or lead to ground unit, (c) connect neutral terminal to lead branch circuit neutral in usual manner (when the appliance is to be connected by means of a cord kit, use 4-conductor cord for this purpose).

Use only cord kits rated 125/250 volts (minimum), 40 or 50 amperes (depending on local code) and labeled "For Use with Ranges". Strain relief provided with cord must be installed per instructions

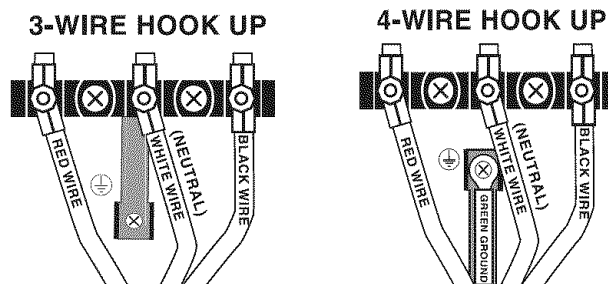


Figure 9: Grounding Requirements



Warning: To prevent electrical shock, the grounding prong on the range cord should not be cut or removed under any circumstances. It must be plugged into a matching grounding type receptacle and connected to a correctly polarized 240- Volt circuit. If there is any doubt as to whether the wall receptacle is properly grounded, have it checked by a qualified electrician.

**Four Wire Range Cord Connection
(Recommended Method)**

1. Disconnect electrical power at breaker box.
2. Remove the terminal block cover to expose the terminal block

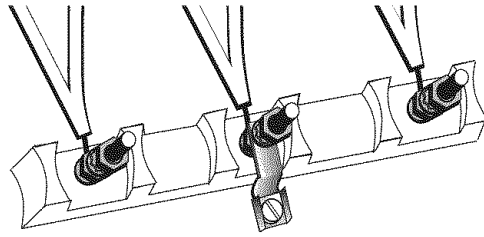


Figure 10: 4 Wire Connection

3. Remove top nut, star washer, and round washer from each post.

Note: DO NOT remove last round washer, last nut or internal wiring leads.

4. Remove screw from bottom end of ground strap.
5. Remove ground strap from center post, rotate so that wide end is at top and attach wide end to range through hole below junction box. Attach green wire on top of ground strap. Tighten Screw.

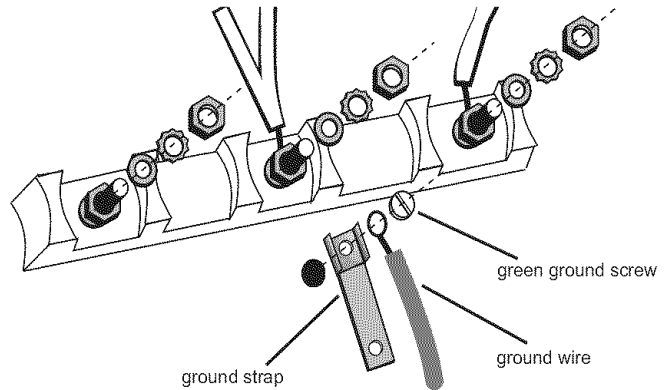


Figure 11: Four Wire Range cord Connection - Ground Strap and Wire

6. Attach red wire, round washer, star washer and nut IN THIS ORDER to left post.
7. Attach white wire, round washer, star washer and nut IN THIS ORDER to center post.

8. Attach black wire, round washer, star washer and nut IN THIS ORDER to right post.

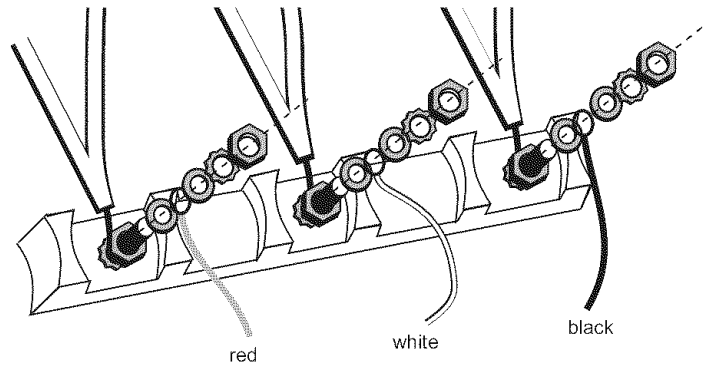


Figure 12: Four Wire Range Cord Connection (continued)

9. Tighten all connections securely and replace terminal block cover.
10. Properly secure strain relief (see previous section).

Note: DO NOT plug in range at this time.

Three Wire Range Cord Connection

The Four Wire Connection (above) is preferred, but where local codes and ordinances permit grounding through neutral and where conversion to four wire is impractical, the unit may be connected to the power supply via a three wire connection.

1. Disconnect electrical power at breaker box.
2. Remove the terminal block cover to expose the terminal block.

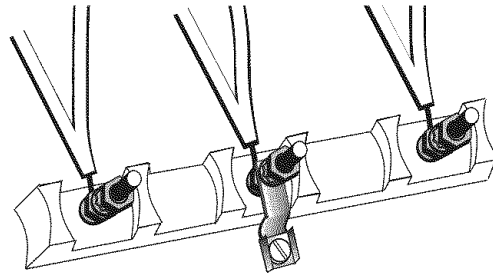


Figure 13: Terminal Block

3. Remove top nut, star washer, and round washer from each post.

Note: DO NOT remove last round washer, last nut or internal wiring leads.

4. Attach white wire, round washer, star washer and nut IN THIS ORDER on top of ground strap on center post.
5. Attach red wire, round washer, star washer and nut IN THIS ORDER to left post.

6. Attach black wire, round washer, star washer and nut IN THIS ORDER to right post.

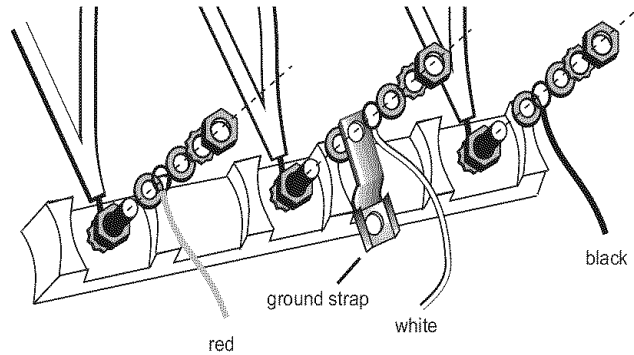


Figure 14: Three Wire Connection

7. Tighten all connections securely and replace terminal block cover.

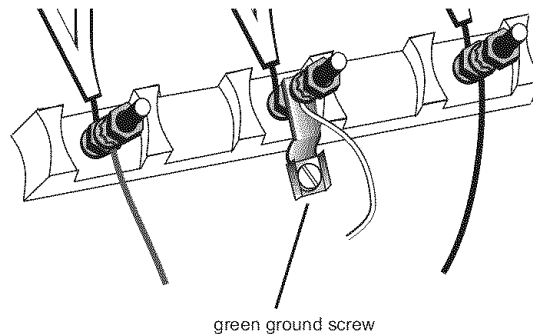


Figure 15: Completed Three Wire Range Cord Connection

8. Properly secure strain relief. See "Install Strain Relief" on page 8 for detailed instructions.

Connect Electric - Flexible Conduit Connection

The range can also be connected via flexible conduit. If using this method, always use the lugs supplied.

Note: In Canada, the range is shipped from the factory with the range cord already installed. Continue to "Complete the installation" on page 15.

Four Wire Flexible Conduit Connection

1. Disconnect electrical power at the breaker box.
2. Remove the terminal block cover to expose the terminal block.
3. Remove the top nut, star washer, and round washer from each post.

Note: DO NOT remove last round washer, last nut or internal wire leads.

4. Remove screw from bottom end of ground strap.
5. Remove ground strap from center post. Discard.
6. Attach one terminal lug (packaged with this manual) through hole below terminal block with ground screw.
7. Place one terminal lug (packaged with this manual) on each post. Replace the star washer and round washer and secure with 20 inch pounds of torque.

8. Strip 3/8 (9.53 mm) inches of insulation from the end of the wire.

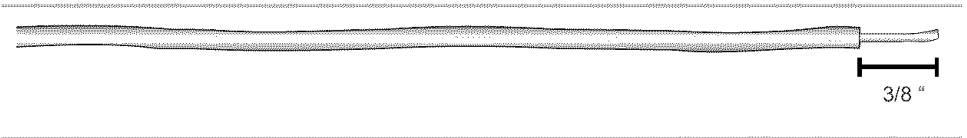


Figure 16: Wire Stripping

9. Insert the insulated grounding wire into the lug below the terminal block.
10. Insert stripped end of white wire into the center lug. Secure the clamping screw.

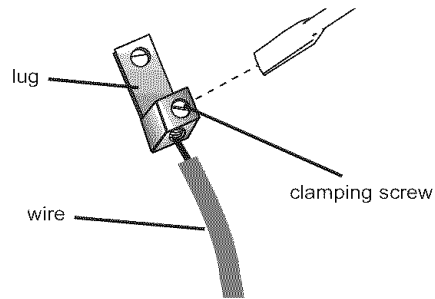


Figure 17: Attaching Wire to Lug

11. Insert stripped end of red wire into the left lug. Secure clamping screw.
12. Insert black wire into the right lug. Secure clamping screw. Tighten each clamping screw with the appropriate torque (see table).

Table 3: Appropriate Torque Levels for Aluminum or Copper Wire

Gauge	Torque (in./lbs.)	Torque (Nm)
6	35	3.95
8	25	2.82

13. Properly secure flexible conduit at knockout on angle and at supply side junction box. The wiring is now complete.

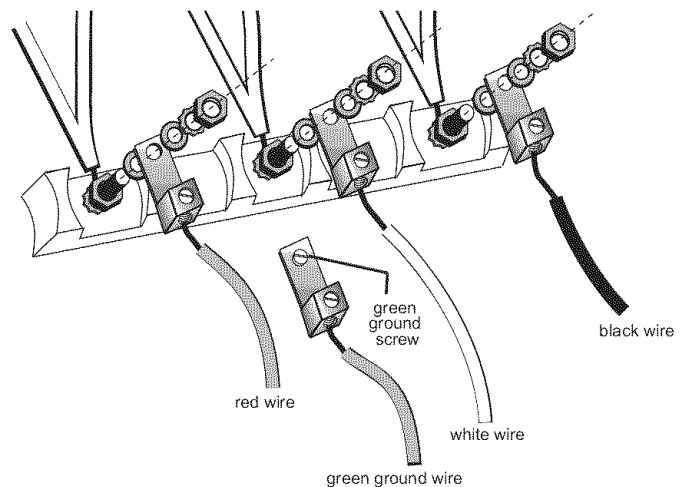


Figure 18: Completed Four Wire Flexible Conduit Connection

Note: DO NOT plug in range at this time.

Three Wire Flexible Conduit Connection

The Four Wire Connection is preferred, but where local codes and ordinances permit grounding through neutral and/or conversion to four wire is impractical, unit may be connected to the power supply via a three wire connection.

1. Disconnect electrical power at the breaker box.
2. Remove the terminal block cover to expose the terminal block.

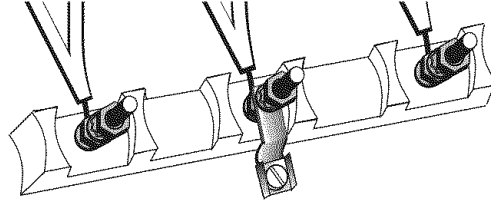


Figure 19: Terminal Block

3. Remove the top nut, star washer, and round washer from each post.

Note: DO NOT remove last round washer, last nut or internal wire leads.

4. Place one terminal lug (packaged with this manual) on each post. Replace the star washer and round washer and secure with 20 inch pounds of torque.
5. Strip 3/8 (9.53 mm) inches of insulation from the end of each wire.

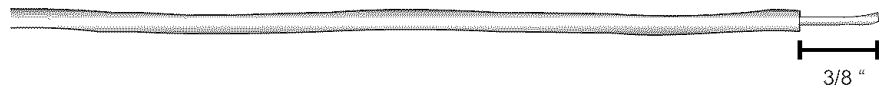


Figure 20: Wire Stripping

6. Insert stripped end of white wire into the center lug on top of the ground strap. Secure the clamping screw.

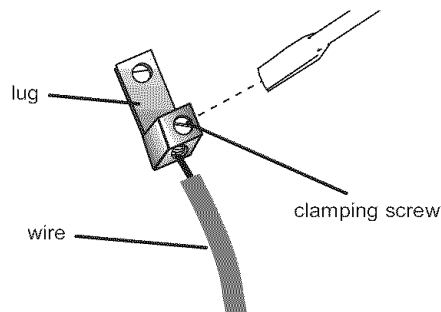


Figure 21: Attaching Wire to Lug

7. Insert stripped end of red wire into the left lug. Secure clamping screw.
8. Insert stripped end of black wire into the right lug. Secure clamping screw.

9. Tighten each clamping screw with the appropriate torque (See table below).

Table 4: Appropriate Torque Levels for Aluminum or Copper Wire

Gauge	Torque (in./lbs.)	Torque (Nm)
6	35	3.95
8	25	2.82

10. Properly secure flexible conduit at knockout panel on range and at supply side junction box. The wiring is now complete.

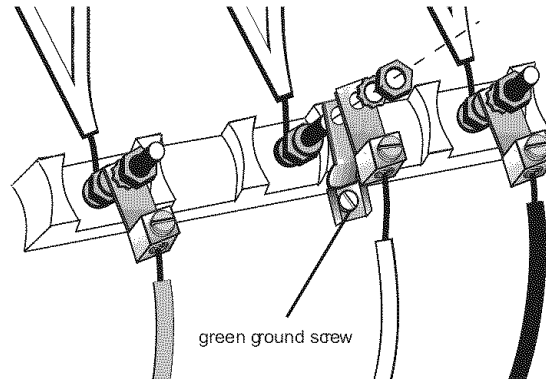


Figure 22: Completed Three Wire Flexible Conduit Connection

Note: DO NOT plug in range at this time.

Complete the installation

Adjust Levelling Legs

1. Line up range in front of opening.
2. Measure back left corner of opening from floor to top of countertop.
3. Measure back left corner of range to bottom of cooktop trim. Use a wrench to adjust leveling leg until this height is the same as the corner dimension.

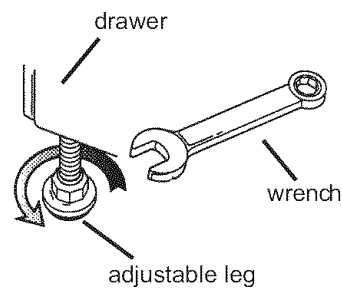


Figure 23: Adjust the Front Leveling Leg

4. Repeat in right back corner.
5. Adjust front leveling legs so that the bottom of the cooktop trim is $\frac{1}{2}$ " higher than the corresponding countertop surface.

Slide Range into Opening

1. Plug in power cord.
2. Dampen countertop and foam tape with soapy water.

3. Slide range into opening, being careful not to damage countertops, floors, or the range drawer front. Do not apply pressure to cooktop when sliding into position.

Tip: Remove the drawer to prevent damage.

Check Back of Range for Proper Installation

1. When properly installed, the cooktop trim around the back of the range will rest lightly on the countertop.
2. There should not be any gap between the countertop and the trim; however, the weight of the range must not rest on the countertop. Look under the range to verify that both back legs are resting solidly on the floor. Also verify that the left range leg is under the anti-tip bracket.

Caution: Verify that the weight of the range is not resting on the counterrop. This could result in damage to the countertop and the appliance.

3. If the back legs are not resting solidly on the floor or the left leg is not under the anti-tip bracket, slide range out, adjust legs and slide back in.

Adjust Front of Range for Proper Installation

1. Adjust front leveling legs so that the cooktop trim rests snugly against the countertop all the way around.
2. Verify that both front legs are resting solidly on the floor.
3. Use a level to verify that the range is level and plumb.

Test the Installation

Turn on Power at Breaker

Caution: If the display flashes and beeps, the polarity of the wiring may be reversed. Reversed polarity can damage the range and can result in electrical shock hazard. Immediately switch off power at the breaker and return to “Connect Electric - Range Cord” on page 8.

Service

Before Calling Service

See Use and Care Manual for troubleshooting information. Refer to the Warranty in the Use and Care Manual.

To reach a service representative, see the contact information at the front of the manual. Please be prepared with the information printed on your product data plate when calling.

Product Data Plate

The data plate shows the model and serial number. Refer to the data plate on the appliance when requesting service. It is located on the frame near the drawer. Open the drawer to view it.

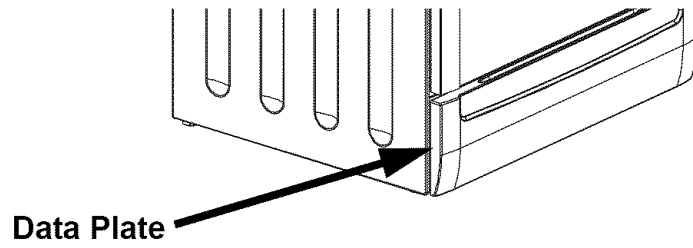


Figure 24: Data Plate



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