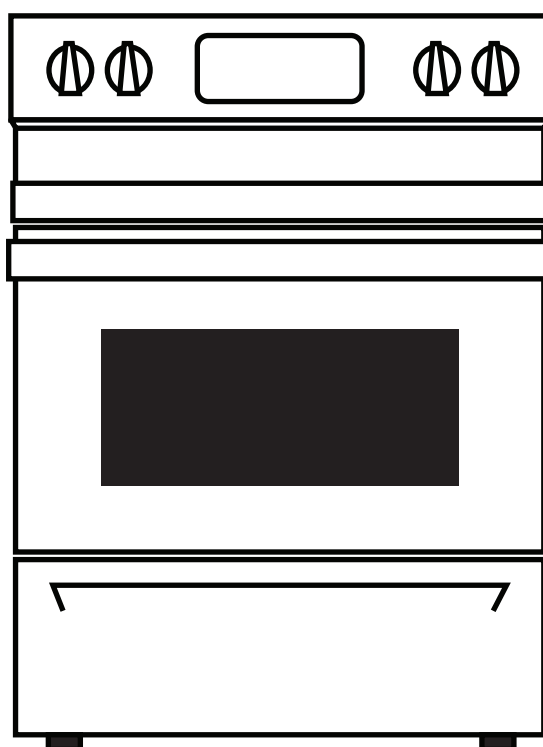


INSIGNIA™

INSTALLATION GUIDE

4-Burner Electric Range

NS-RGRCESS4



205C1713P022

Before using your new product, please read these instructions to prevent any damage.

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IMPORTANT SAFETY INFORMATION

Read these instructions completely and carefully.

- **IMPORTANT**—Save these instructions for local inspector's use.
- **IMPORTANT**—Observe all governing codes and ordinances.
- **Note to Installer** – Be sure to leave these instructions with Consumer.
- **Note to Consumer** – Keep these instructions for future reference.
- **Skill level** – Installation of this appliance requires a qualified installer or electrician.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under warranty.

FOR YOUR SAFETY:



⚠ WARNING

Tip Over Hazard

- A child or adult can tip the range and be killed.
- Install the anti-tip bracket, provided with the unit, to the wall or floor.
- Engage the range to the anti-tip bracket by sliding the range back such that the foot is engaged.
- Re-engage the anti-tip bracket if the range is moved.
- Failure to do so can result in death or serious burns to children or adults.

If you did not receive an anti-tip bracket with your purchase, call 1-877-467-4289 (U.S. and Canada) to receive one at no cost. For installation instructions of the bracket, visit: www.insigniaproducts.com



⚠ WARNING Before beginning the installation, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

Materials you may need



Squeeze Connector (For Conduit Installations Only)



(UL Listed 40 AMP) 4-Wire Cord 4 ft. long OR 3-Wire Cord 4 ft. long

Tools you will need:

- Drill with 1/8 in. Bit
- Safety Glasses
- Adjustable Wrench
- Level
- Tin Snips
- Tape Measure
- Pliers
- 1/4 in. Nut Driver

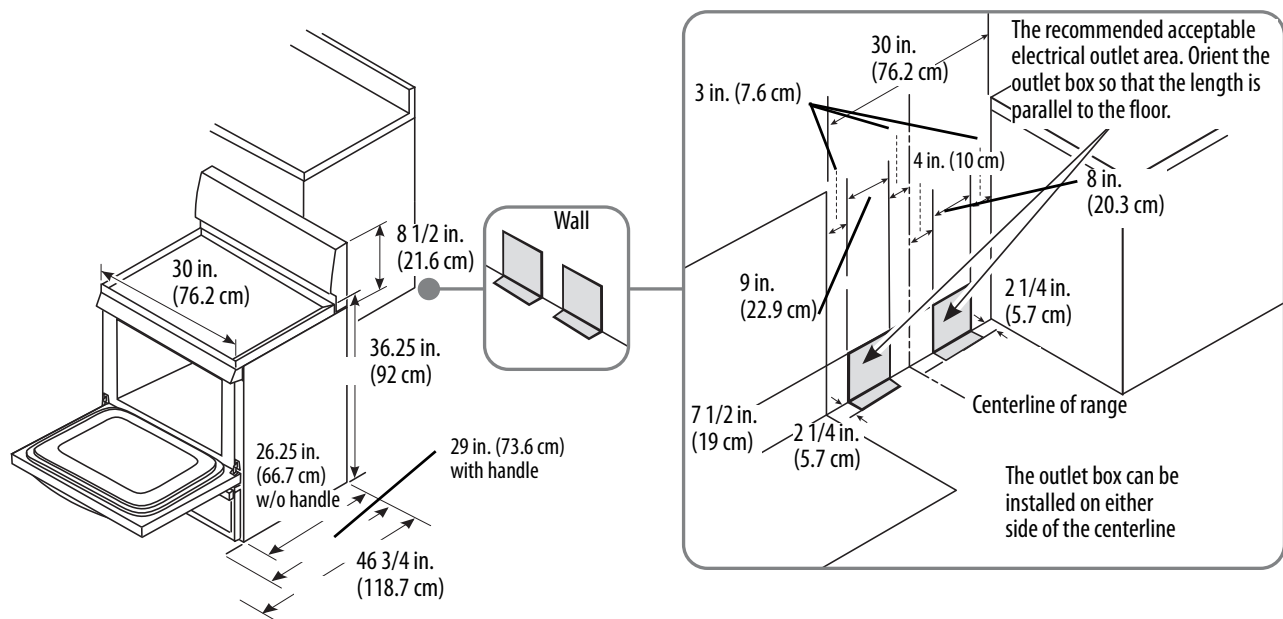
Installing your range

Step 1: Removing packaging materials

Failure to remove packaging materials could result in damage to the appliance. Remove all packing parts from oven, racks, heating elements, and drawer. Also, remove protective film and labels on the outer door, cooktop, and control panel.

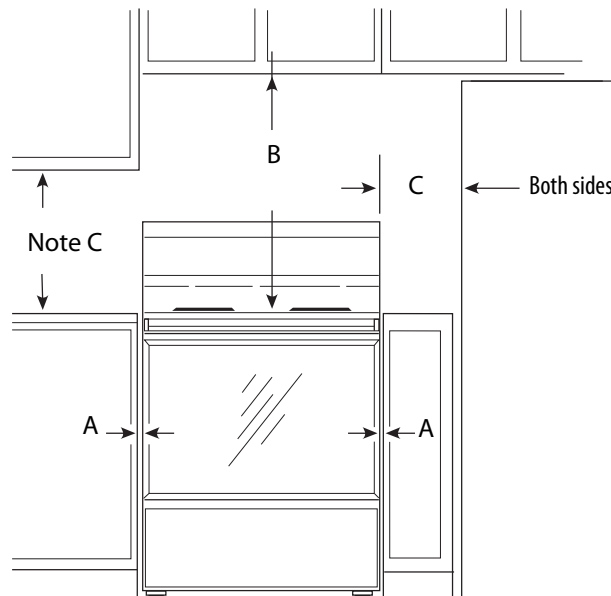
Step 2: Preparing the opening (for indoor use only)

See the following illustrations for all rough-in and spacing dimensions. Your range may be placed with 0 in. clearance (flush) to the back wall and side walls of the cabinet.



Note: Use a four foot power cord to prevent interference with the storage drawer. Power cords four and a half to six feet long may have to be dressed to allow for proper drawer closing.

Minimum dimensions between cooktop, walls, and above the cooktop:



A. Make sure that the wall covering, countertop, flooring, and cabinets around the range can withstand the heat (up to 200° F) generated by the range. There should be 0 in. clearance to the cabinets below the cooktop and at the back of the range.

B. Allow a minimum clearance of 30 in. (76.2 cm) between surface units and the bottom of unprotected wood or metal cabinets, or allow a minimum of 24 in. (60.1 cm) when the bottom of the wood or metal cabinet is protected by no less than 1/4 in. (.64 cm) thick flame retardant millboard, covered with no less than No. 28 MSG sheet metal, (.015 in. [.04 cm]), .015 in. (.04 cm) thick stainless steel, .024 in. (.06 cm) aluminum, or .020 in. (.05 cm) copper.

C. This appliance has been approved for 0 in. spacing to adjacent surfaces above the cooktop. However, a 6 in. (15.2 cm) minimum spacing to surfaces less than 15 in. (38 cm) above the cooktop and adjacent cabinet is recommended to reduce exposure to steam, grease splatter, and heat.

To reduce the risk of burns or fire when reaching over hot surface elements, you should avoid cabinet storage space above the cooktop. If cabinet storage space is to be provided above the cooktop, the risk can be reduced by installing a range hood that projects at least 5 in. (12.7 cm) beyond the front of the cabinets. Cabinets installed above the cooktop must be no deeper than 16 in. (40.6 cm).

Step 3: Electrical Requirements

⚠ WARNING This appliance must be properly grounded.

⚠ WARNING All new construction, mobile homes, recreational vehicles, and installations where local codes do not allow grounding through a neutral, require a 4-conductor UL-listed range cord.

⚠ WARNING To prevent fire or electrical shock, do not use an extension cord with this appliance.

⚠ WARNING To prevent electrical shock, remove house fuses or open circuit breakers before beginning the installation.

We recommend that you have the electrical wiring and hookup of your range connected by a qualified electrician. After installation, have the electrician show you how to disconnect the power from the range.

You must use a single-phase, 120/208 VAC or 120/240 VAC, 60 hertz electrical system. If you connect to aluminum wiring, properly installed connectors, approved for use with aluminum wiring, must be used.

Effective January 1, 1996, the National Electrical Code requires that new construction (not existing) utilize a 4-conductor connection to an electric range. When installing an electric range in new construction, mobile homes, recreational vehicles, or an area where local codes prohibit grounding through the neutral conductor, refer to the section on four-conductor branch circuit connections.

Check with your local utility for electrical codes which apply in your area. Failure to wire your oven according to governing codes could result in a hazardous condition. If there are no local codes, your oven must be wired and fused to meet the National Electrical Code, NFPA No. 70 – latest edition, available from the National Fire Protection Association.

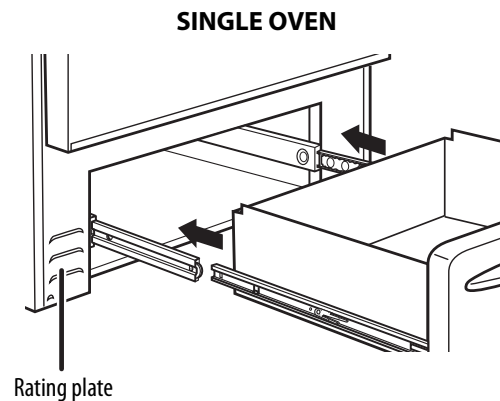
This appliance must be supplied with the proper electrical voltage and frequency, and connected to an individual, properly grounded, 40 amp (minimum) branch circuit protected by a circuit breaker or time-delay fuse.

Use only a 3-conductor or a 4-conductor UL-listed range cord. These cords may be provided with ring terminals on wire and a strain relief device.

A range cord rated at 40 amps with 125/250 minimum volt range is required. A 50 amp range cord is not recommended but, if used, should be marked for use with nominal 138 in. (3.5 cm) diameter connection openings. Care should be taken to center the cable and strain relief within the knockout hole to keep the edge from damaging the cable.

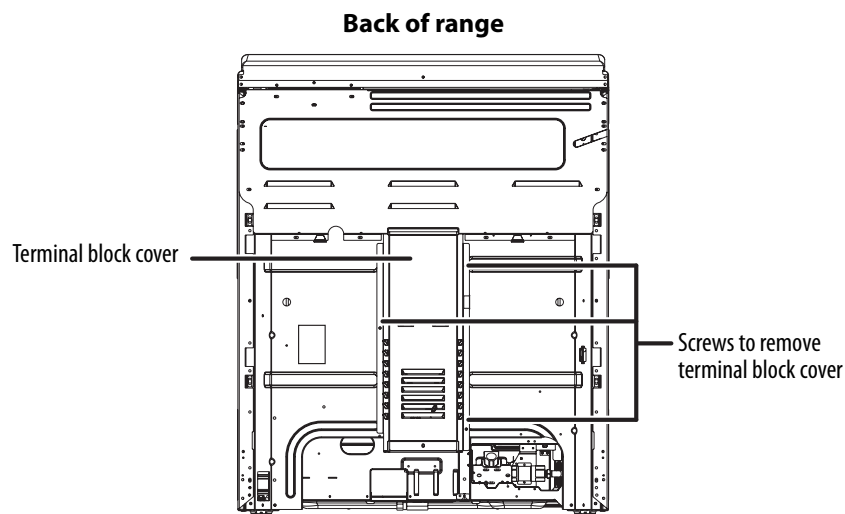
The rating plate is located on the oven frame or on the side of the drawer frame.

Note: Use of automatic, wireless, or wired external switches that shut off power to the appliances are not recommended for this product.

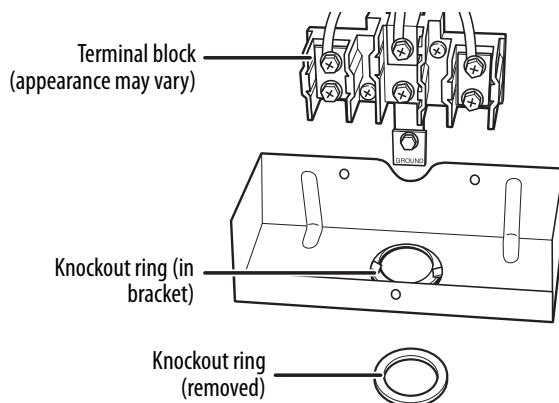


Step 4: Power Cord And Conduit Installations

A. Access the terminal block by removing the terminal block cover (and attached wire cover) from the back of the range. To remove the cover, remove the screws shown in the image below using a 1/4 in. (.64cm) nut driver. Do not discard these screws.

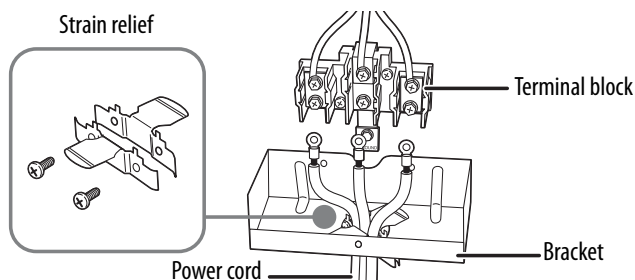


B. For power cord and 1 in. (2.5 cm) conduit installations only, remove the knockout ring located on the bracket directly below the terminal block. To remove the knockout, use a pair of pliers to bend the knockout ring away from the bracket and twist until the ring is removed.



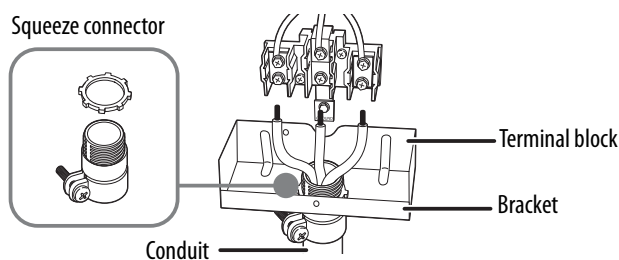
C. For power cord installations only (see the next step if using conduit), assemble the strain relief in the hole. Insert the power cord through the strain relief and tighten. Allow enough slack to easily attach the power cord terminals to the terminal block. If tabs are present at the end of the winged strain relief, they can be removed for a better fit.

Note: Do not install the power cord without a strain relief. The strain relief bracket **MUST** be installed before reinstalling the rear range wiring cover.



D. For 3/4 in. (1.9 cm) conduit installations only, purchase a squeeze connector matching the diameter of your conduit and assemble it in the knockout hole. Insert the conduit through the squeeze connector and tighten. Allow enough slack to easily attach the wires to the terminal block.

Note: Do not install the conduit without a squeeze connector. The squeeze connector **MUST** be installed before reinstalling the rear terminal block.



Step 5: 3-Wire Installation (Ground is through the neutral wire)

⚠ WARNING Shock Hazard

The neutral wire and ground strap must be connected as shown below for the range to be properly grounded. Do not remove the ground strap. Failure to follow this instruction may result in potential shock hazard.

⚠ WARNING Fire Hazard

Terminal block screws must be securely tightened. Failure to do so may result in potential fire hazard.

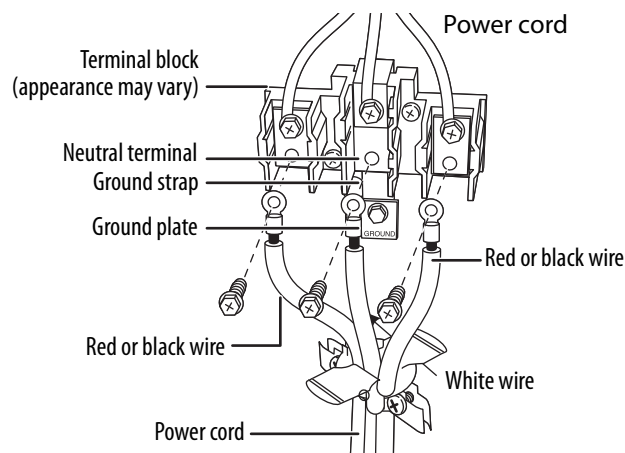
For Power Cord Installations

- 1 Remove the three lower screws from the terminal block.

Notes:

- Do not loosen the upper screws.
- Do not cut or remove the ground strap.

- 2 Insert each of the three screws through a power cord terminal ring and back into the terminal block. Be certain the white wire is in the center. Securely tighten each screw (35 to 50 in-lbs.).



For Conduit Installations

- 1 Loosen the three lower screws on the terminal block.

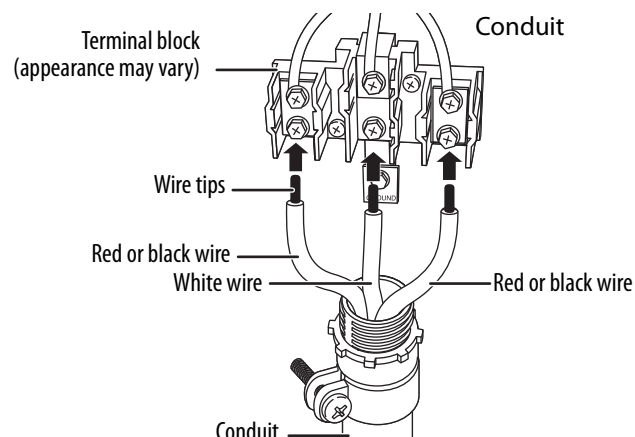
Notes:

- Do not loosen the upper screws.
- Do not cut or remove the ground strap.

- 2 Insert the bare wire tip (strip insulation 5/8 in.) into the bottom terminal block openings. Be certain the white wire is in the center. The wire must be inserted through an opening in the ground strap. Securely tighten each screw onto each wire (35 to 50 in-lbs.).

- 3 Reinstall terminal block cover.

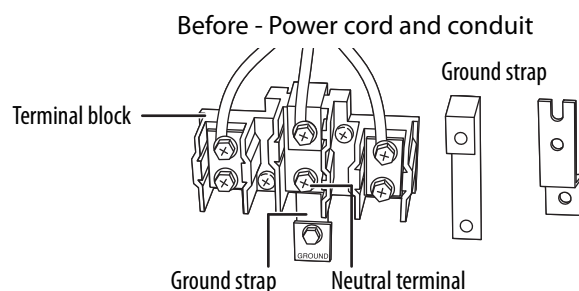
Note: Aluminum building wire may be used but it must be rated for the correct amperage and voltage.



Proceed to Step 8

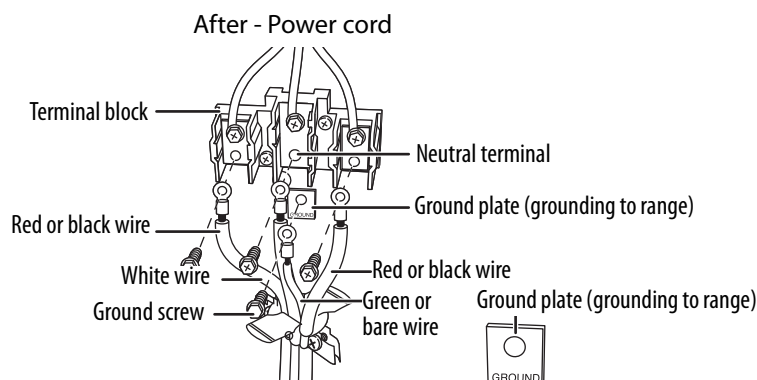
Step 6: 4-Wire Installations (Separate Ground Wire)

⚠ WARNING The neutral wire of the supply circuit must be connected to the neutral terminal located in the lower center of the terminal block. The power leads must be connected to the lower left and the lower right terminals of the terminal block. The grounding lead must be connected to the frame of the range with the ground plate and the green ground screw.



For Power Cord Installations

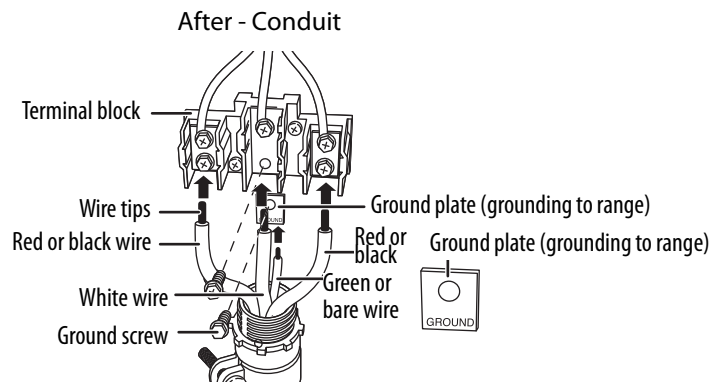
- 1 Remove the three lower screws from the terminal block. Do not loosen the upper screws.
- 2 Remove and retain the ground screw and ground plate.
- 3 Cut the ground strap below the terminal block and discard the lower section.
- 4 Insert the ground screw through the ground plate (previously removed) and back into the range frame. Tighten it securely, but do not over-tighten (15 to 20 in-lbs.).
- 5 Insert terminal screws through each of the three power cord terminal rings and back into the terminal block. Make sure that the white wire is in the center. Securely tighten each screw (35 to 50 in-lbs.).
- 6 Reinstall terminal block cover.



For Conduit Installations

- 1 Remove the three lower screws from the terminal block. Do not loosen the upper screws.
- 2 Remove and retain the ground screw and ground plate.
- 3 Cut the ground strap below the terminal block and discard the lower section.
- 4 Insert the bare ground wire tip (insulation stripped 5/8 in.) between the range frame and the ground plate (previously removed) and secure it in place with the ground screw. Tighten securely, but do not over-tighten (15 to 20 in-lbs).
- 5 Insert the wire tips (insulation stripped 5/8 in.) into the bottom terminal block openings. Be certain the white wire is in the center. On certain models, the wire must be inserted through an opening in the ground strap. Securely tighten each screw onto each wire (35 to 50 in-lbs.).
- 6 Reinstall terminal block cover.

Note: Aluminum building wire may be used but it must be rated for the correct amperage and voltage.



Step 7: Installing the Anti-Tip Device



⚠ WARNING

Tip Over Hazard

- A child or adult can tip the range and be killed.
- Install the anti-tip bracket, provided with the unit, to the wall or floor.
- Engage the range to the anti-tip bracket by sliding the range back such that the foot is engaged.
- Re-engage the anti-tip bracket if the range is moved.
- Failure to do so can result in death or serious burns to children or adults.

To reduce the risk of tipping the range, the range must be secured by a properly installed anti-tip bracket. See installation instructions shipped with the bracket for complete details before attempting to install.

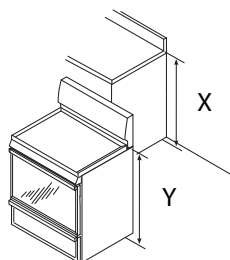
To check if the bracket is installed and engaged properly, look underneath the range to see that the rear leveling leg is engaged in the bracket. On some models, the storage drawer or kick panel can be removed for easier inspection. If visual inspection is not possible, slide the range forward, confirm the anti-tip bracket is securely attached to the floor or wall, and slide the range back so the leveling leg is under the anti-tip bracket. If the range is pulled from the wall for any reason, always repeat this procedure to verify the range is properly secured by the anti-tip bracket. Do not completely remove the leveling legs or the range will not be secured to the anti-tip bracket.

Step 8: Leveling the Range

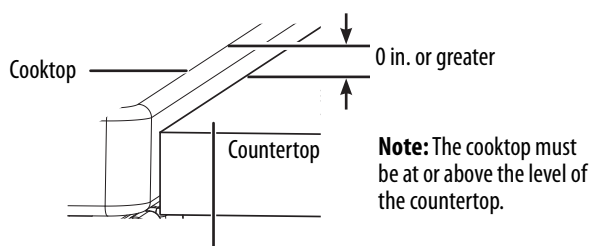
⚠ WARNING

Never completely remove the leveling leg as the range will not be secured to the anti-tip device properly.

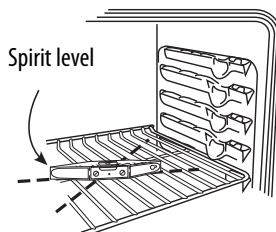
- 1 Plug in the unit.
- 2 Measure the height of your countertop at the rear of the opening (X).



- 3 Adjust the two rear leveling legs so that the rear of the cooktop is at the same height or higher than the counter (Y).



- 4 Slide your range into place.
- 5 Install oven shelves in the oven and position the range where it will be installed.
- 6 Check your range by placing a spirit level on one of the oven shelves. Take two readings, with the level placed diagonally first in one direction and then the other.



- 7 Adjust the front leveling legs until the range is level.
- 8 Look under the unit and verify that the rear leg is fully engaged with the anti-tip device. If not, remove the unit and adjust the height of the rear leg so that it is properly engaged.

Step 9: Checking the Final Installation

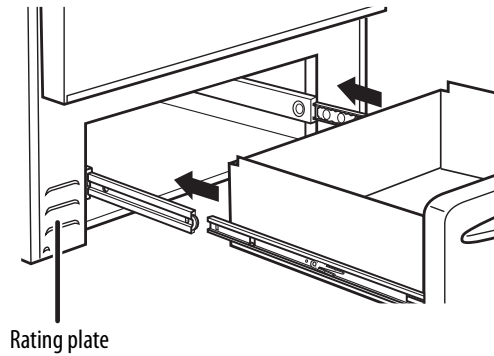
- Make sure that the circuit breaker is closed (RESET) or the circuit fuses are replaced.
- Make sure that the power is turned on to the building.
- Make sure that all packing materials and tape have been removed from your range. This includes tape on the metal panel under the control knobs (if applicable), adhesive tape, wire ties, cardboard, and protective plastic. Failure to remove these materials could result in damage to the appliance once the appliance has been turned on and surfaces have heated.
- Make sure that the door and drawer are parallel to each other and that both operate smoothly. If they do not, see the *User Guide* for proper replacement.
- Make sure that the rear leveling leg is fully inserted into the anti-tip bracket and that the bracket is securely installed.

Operation Checklist

- Make sure that the oven controls operate properly. If the oven controls do not operate properly, recheck the wiring connections.
- Make sure that all range controls are in the OFF position before leaving the range.

Locating the Model and Serial Number

The rating plate is located above the drawer on the oven frame or on the side of the drawer frame.



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