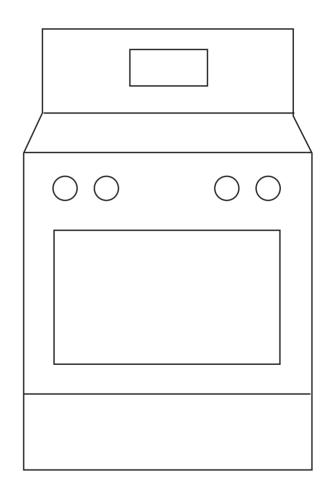


INSIGNIA

5.3 Cu. Ft. Freestanding Electric Range

NS-RGFE50WH26/NS-RGFE50SS26



INSIGNIA

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Important Safety Information Read all instructions before use. Keep these instructions.

INSTALLATION AND SERVICE MUST BE
PERFORMED BY A QUALIFIED INSTALLER.
IMPORTANT: SAVE FOR LOCAL ELECTRICAL INSPECTOR'S USE.
READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.



WARNING FOR YOUR SAFETY: Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.



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

Important Notes to the Installer:

- Read all instructions contained in these installation instructions before installing the range.
- Remove all packing material from the oven compartment before connecting the electrical supply to the range.
- Observe all governing codes and ordinances.
- Be sure to leave these instructions with the consumer.

Important Notes to the Consumer:

Keep these instructions with your *User Guide* for future reference.

- When using any appliance generating heat, there are certain safety precautions you should follow. These are listed in the *User Guide*. Read it carefully.
- Be sure your range is installed and grounded properly by a qualified installer or service technician.
- Make sure the wall coverings around the range can withstand the heat generated by the range.
- To eliminate the need to reach over the surface elements, cabinet storage space above the elements should be avoided.

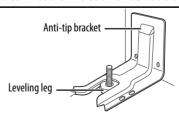




Tip Over Hazard

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





To check if the anti-tip bracket is installed properly, use both arms to grasp the rear edge of the range back. Carefully attempt to tilt range forward. When properly installed, the range should not tilt forward.

Refer to the anti-tip bracket installation instructions in <u>Step 3: Installing the anti-tip device</u> on page <u>6</u>.

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 backguard.

! CAUTION

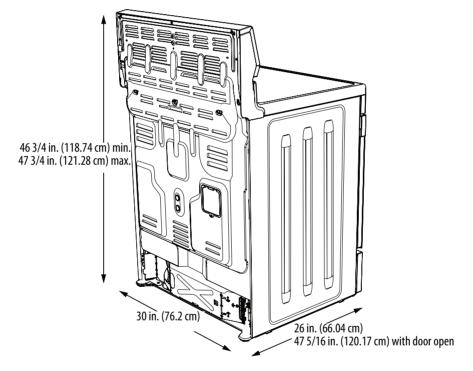
Failure to remove packing materials could result in damage to the appliance after the appliance has been turned on and surfaces have heated.

Step 2: Preparing the opening

Clearances and dimensions

The following must be taken into consideration when installing your range:

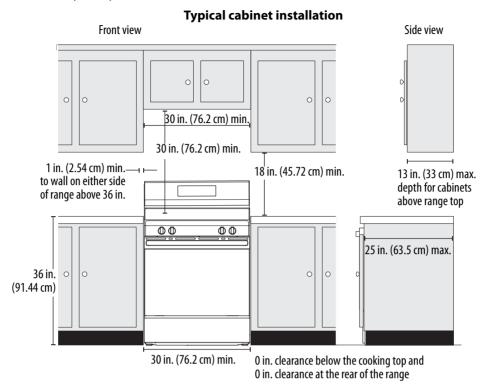
- Adequate clearances must be provided between the range and adjacent combustible surfaces.
- The location where the range will be installed must have proper electrical supply and the floor must be solid and level.
- You must use the dimensions indicated to install your range. Given dimensions provide minimum clearance.

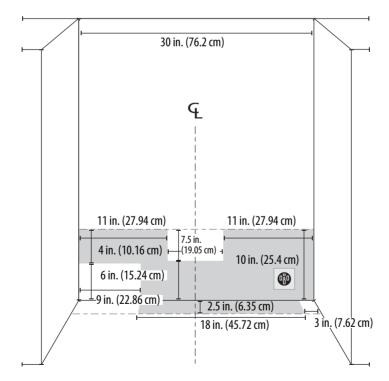


There must be at least a 30 in. (76.2 cm) minimum clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet, or a 24 in. (61 cm) minimum when the bottom of a wood or metal cabinet is protected by not less than 1/4 in. (.6 cm), flame retardant millboard, covered with not less than No. 28 msg sheet steel, .015 in. (.04 cm) stainless steel, .024 in. (.06 cm) aluminum, or 0.020 in. (.05 cm) copper.

0 in. (0 mm) clearance is the minimum for the back of the range. Follow all clearance requirements provided above to prevent property damage, potential fire hazard, and incorrect countertop and cabinet cuts.

To reduce the risk of burns or fire when reaching over hot surface elements, cabinet storage space above the cooktop should be avoided. If cabinet storage space is required 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 13 in. (33 cm).





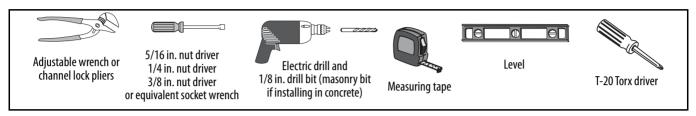
Flooring under the range

Your range, like many other household items, is heavy and can settle into soft floor coverings such as cushioned vinyl or carpeting.

When placing the range on this type of flooring, it should be installed on a 1/4 in. (.6 cm) thick sheet of plywood (or similar material) as follows:

When the floor covering ends at the front of the range, the area that the range will rest on should be built up with plywood to the same level or higher than the floor covering. This will allow the range to be moved for cleaning or servicing.

Tools you will need:



Materials you will need:



or

Electrical wiring and conduit to hard wire your range (varies by installation/situation - not pictured)

Power supply cord (must be of sufficient length and capacity to accommodate your range

See Step 4: Installing the power cord on page 8.

Step 3: Installing the anti-tip device

№ WARNING

To reduce the risk of tipping the range, it should be secured to the floor by properly installing an anti-tip bracket and screws (included). Failure to install the anti-tip bracket will allow the range to tip over if excessive weight is placed on an open door or if a child climbs on it. Serious injury might result from spilled hot liquids or from the range itself.

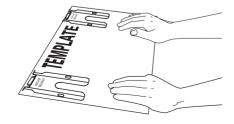
If range is ever moved to a different location, the anti-tip bracket must also be moved and installed with the range.

These instructions are provided for installation on either wood or cement, fastened to either the floor or the wall. When installed to the wall, make sure that screws completely penetrate dry wall and are secured in wood or metal. When fastening to the floor or wall, be sure that screws do not penetrate electrical wiring or plumbing.

- 1 Locate the bracket by using the template (use the information below to locate the bracket if a template is not available). The bracket may be located on either the left or right side of the range.
- 2 Mark the floor or wall where the left or right side of the range will be located.

Notes:

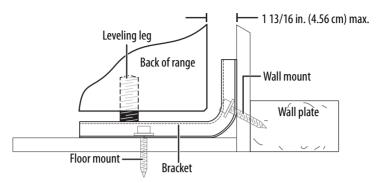
- If the back of the range is against the wall, or no further than 1 13/16 in. (4.6 cm) from the wall when installed, you may use the wall or floor mount method. For wall mounting, go to step 3.
- If the back of the range is further than 1-13/16 in. (4.6 cm) from the wall when installed, attach the bracket to the floor. For floor mounting, go to step 5.
- **3** For wall mounting, locate the bracket by placing the back edge of the template against the rear wall and the side edge of template on the mark made referencing the side of the range.



4 Place the bracket on top of the template and mark location of the screw holes in the wall, then go to step 7.

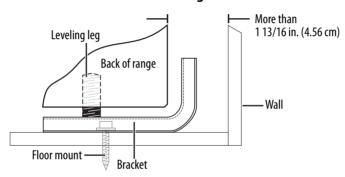
Note: If molding is installed and does not allow the bracket to fit flush against the wall, remove the molding or mount the bracket to the floor.

For floor or wall mounting



5 For floor mounting, locate the bracket by placing back edge of the template where the rear of the range will be located.

For floor mounting



- 6 Mark the location of the screw holes, shown on the template.
- 7 Drill a 1/8 in. (3 mm) pilot hole where the screws are to be located. If the bracket is to be mounted to the wall, drill pilot hole at an approximate 20° downward angle.

 OR -

If the bracket is to be mounted to masonry or ceramic floors, drill a 5/32 in. (4 mm) pilot hole 1-3/4 in. (4.4 cm) deep.

Note: The screws provided may be used in wood or concrete material. Use a 5/16 in. (8 mm) nut-driver or flat head screwdriver to secure the bracket in place.

8 Level your range by adjusting the four leveling legs with a wrench. Use a level to check your adjustments.

Note: A minimum clearance of 1/8 in. (.3 cm) is required between the bottom of the range and the leveling leg to allow room for the bracket.

Step 4: Installing the power cord

∕!∖ WARNINGS

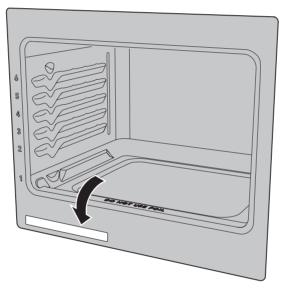
- · Avoid fire hazard or electrical shock.
- Failure to follow this warning may cause serious injury, fire, or death.
- This appliance must be properly installed and grounded by a qualified technician in accordance with the National Electrical Code ANSI/NFPA No. 70 (latest edition), and Local Electrical Code requirements.
- For personal safety, this appliance must be properly grounded. For maximum safety, the power cord must be plugged into an electrical outlet that is correct voltage, is correctly polarized and properly grounded in accordance with local codes.
- It is the personal responsibility of the consumer to have the appropriate outlet with the correct, properly grounded wall receptacle installed by a qualified electrician.
- RISK OF FIRE OR ELECTRICAL SHOCK MAY OCCUR IF AN INCORRECT SIZE RANGE CORD KIT IS USED, THE INSTALLATION INSTRUCTIONS ARE NOT FOLLOWED, OR STRAIN RELIEF BRACKET IS DISCARDED.

Locating the model and serial number

The serial number plate is located on the front of your range, visible when the door is opened.

When ordering parts for or making inquires 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.

Your serial plate also tells you the Kilowatt rating (power requirements) and Voltage ratings.



This appliance may be connected by means of a power supply cord. Use a power supply cord kit rated at 125/250 volts minimum, marked for use with ranges.

RANGE CONNECTION OPENING SIZE CHART				
Supply cord kit ampere rating information.				
See serial plate on range for KW rating data.	Cord kit ampere rating	Diameter (in inches) of range connection opening		
120/240 Volts 120/208 Volts		Cord kit	Permanent wiring	
8.8 - 16 KW 7.9 - 12 KW 16.6 - 22.5 KW 12.6 - 18.5 KW	40/50 Amp 50 Amp	1 3/8 in. 1 3/8 in.	1 1/8 in. 1 3/8 in.	

The power cord must have either three or four conductors. Terminals on the end of the wires must be either closed loop or open-end spade lugs with upturned ends.

Allowed for existing installations
3-wire wall receptacle

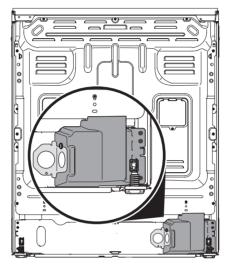
Required for new and remodeled installations 4-wire wall receptacle



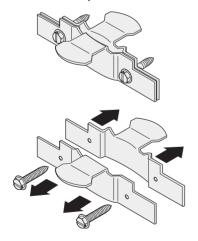


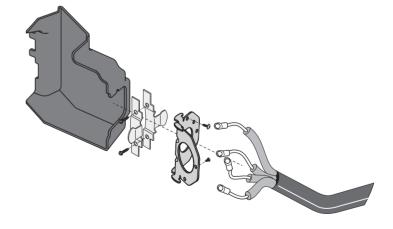
Accessing the terminal block

1 Remove the access cover and the bracket from the back of your range. Keep all pieces and screws.

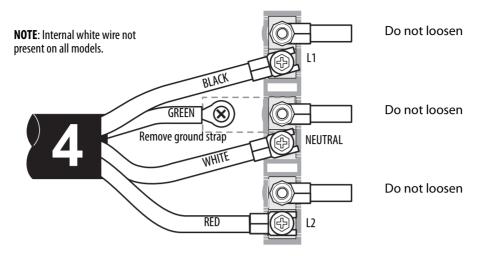


- 2 Place the strain relief through the included bracket and, with threaded side towards unit, start the strain relief screws by inserting them through the opposing bracket, and engaging a few threads (orientation rotate may flip). Insert the power cord and snug the screws, but do not tighten at this time.
- 3 Pull the cord terminals through the correct hole in the bracket included with the appliance.
- 4 Connect the terminals to the terminal block as instructed for 3-wire, 4-wire, or permanent connections. See the next sections for specific instructions for each connection type.





Connecting a 4-wire power cord (new branch-circuit or mobile home)

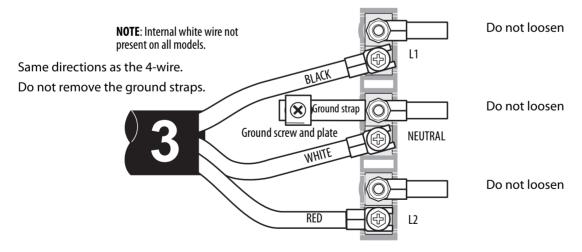


1 Disconnect the ground strap by removing the factory installed ground screw and plate to release the copper ground strap from the frame of the appliance. Cut and discard the copper ground strap and plate. Keep the ground screw.

Important: DO NOT LOOSEN the factory installed nut connections which secure the range wiring to the terminal block. Electrical failure or loss of electrical connection may occur if these nuts are loosened or removed.

- 2 Follow the manufacturer's installation instructions supplied with the strain relief and install.
- **3** Connect the GREEN ground wire lead with the eyelet to the frame of the appliance with the ground screw, using the same hole in the frame where the ground screw was originally installed.
- 4 Insert the end connectors for L1, L2, and Neutral, then tighten securely to the terminal block.
- **5** After connecting all four wires, make sure that no wire is being clamped by the strain relief. Push the power cord farther through the strain relief (if needed). Tighten the strain relief screws to make sure that the cord (insulation) cannot be pulled out of strain relief.
- **6** Make sure all screws are tightened securely and replace the rear access cover.

Connecting a 3-wire power cord (existing installations only)



A ground strap is installed on this range, which connects the center terminal of the terminal block (Neutral) to the range chassis. The ground strap is connected to the range by the center screw (see above). The ground strap must not be removed unless National, State, or Local Codes do not permit use of a ground strap.

Note: If the ground strap is removed for any reason, a separate ground wire must be connected to the separate ground screw attached to the range chassis and to an adequate ground source.

Important: DO NOT LOOSEN the factory installed nut connections which secure the range wiring to the terminal block. Electrical failure or loss of electrical connection may occur if these nuts are loosened or removed.

- 1 Insert the end connectors for L1, L2, and L3, and Neutral, then tighten securely to the terminal block.
- 2 Follow the manufacturer's installation instructions supplied with the strain relief and install. After connecting all four wires, make sure that no wire is being clamped by the strain relief. Push the power cord farther through the strain relief (if needed). Tighten the strain relief screws to make sure that the cord (insulation) cannot be pulled out of strain relief.
- **3** Make sure all screws are tightened securely and replace the rear access cover.

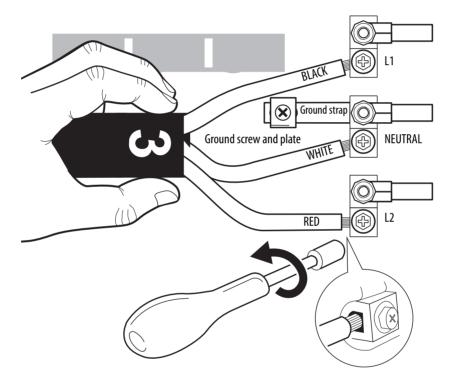
Connecting a 3-wire or 4-wire permanent (hard wire) connection

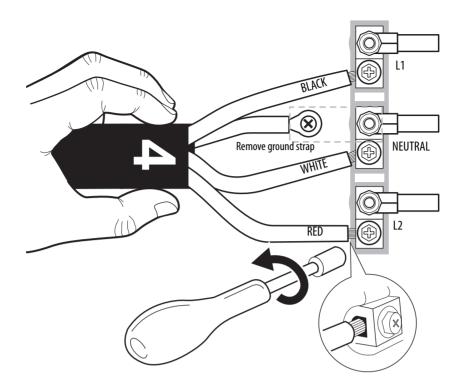
This appliance may be connected by means of permanent (hard wire) wiring.

№ WARNING

When installing permanent wiring, do not leave excess wire in the range compartment. Excess wire in the range compartment may not allow the rear access cover to be replaced properly, which could create a potential electrical hazard if wires become pinched. Connect only as instructed.

When using flexible conduit or range cable, use a flex connector or range cable strain relief.



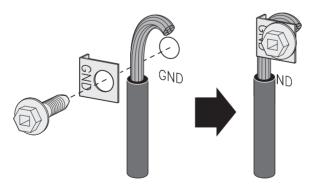


1 Strip insulation away from the ends of the permanent wiring for L1, L2, and Neutral wires (also strip ground wire on 4-Wire Connections). Tighten all wire leads to the terminal block, following the indicated wire locations shown in Connecting a 4-wire power cord (new branch-circuit or mobile home) on page 10.

! CAUTION

DO NOT LOOSEN the factory installed nut connections which secure the range wiring to the terminal block. Electrical failure or loss of electrical connection may occur if these nuts are loosened or removed.

- 2 (4-Wire Permanent Connection ONLY) Disconnect the ground strap by removing the factory installed ground screw and plate to release the factory installed copper ground strap from frame of the appliance. Cut and discard the copper strap from the terminal block. Keep the ground screw and ground plate.
- 3 (4-Wire Permanent Connection ONLY) Connect the ground wire lead (Green) to the frame of the appliance using the ground screw and plate as shown below. Be sure to install using the same hole in the frame where the ground screw was originally installed.



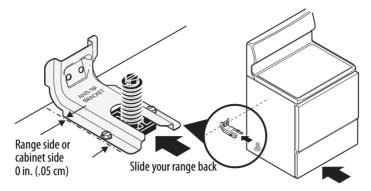
4 Make sure all connections are tightened securely and replace the rear access cover.

Note: Non-terminated field wire compression connections must be set at 22 in./lbs. or greater. Always use 10 gauge wire or larger.

Step 5: Sliding your range into the final location

Be sure to provide all the adequate clearances and dimensions before moving appliance into final location.

Carefully slide range into final position while inserting rear leveling leg into the anti-tip bracket. Make sure the power cord folds into the remaining open floor area behind the range. Be sure to check the level of the range. Visually check that the rear leveling leg is inserted into, and fully secured by, the anti-tip bracket by removing the lower panel or storage drawer.



Step 6: Reviewing final checklists

- Check to make sure the circuit breaker is closed (RESET) or the circuit fuses are replaced.
- Make sure that electrical power is on in your home.
- Check to make sure that all packing materials and tape have been removed. This will include tape on metal panel under control knobs (if applicable), adhesive tape, wire ties, cardboard, and protective plastic.



Failure to remove packing materials could result in damage to the appliance after the appliance has been turned on and surfaces have heated.

- Check to 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.
- Check to make sure that the rear leveling leg is fully inserted into the anti-tip bracket and that the bracket is securely installed.

Operation checklist

- Turn on one of the surface units to observe that the element glows within 60 seconds. Turn the unit off when glow is detected. If the glow is not detected within the time limit, recheck the range wiring connections. If change is required, retest again. If no change is required, have building wiring checked for proper connections and voltage.
- Check to make sure the Clock (on models so equipped) display is energized. If a series of horizontal red lines appear in the display, disconnect power immediately. Recheck the range wiring connections. If change is made to connections, retest again. If no change is required, have building wiring checked for proper connections and voltage. It is recommended that the clock be changed if the red lines appear.
- Be sure all range controls are in the OFF position before leaving the range.

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Part #809016804

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