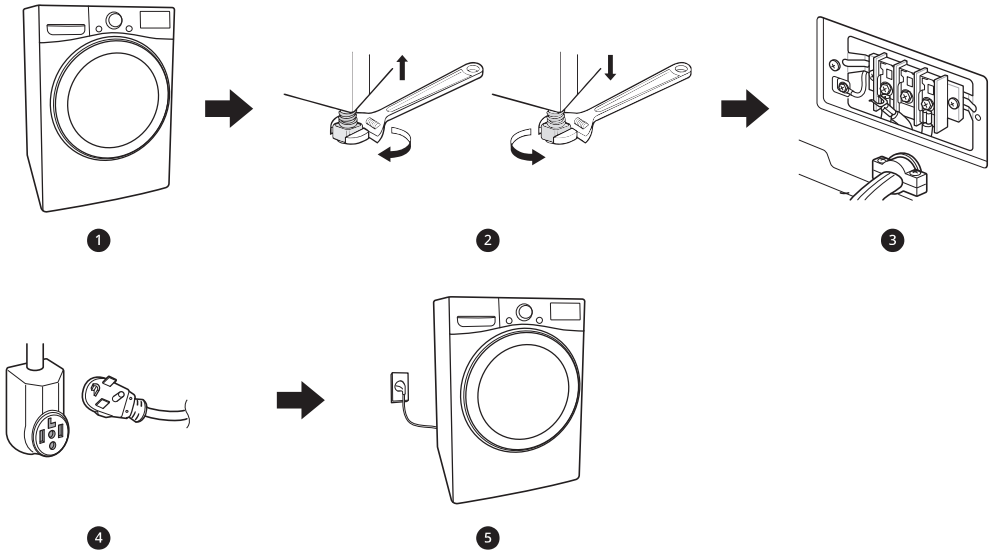
INSTALLATION

Before Installing

Installation Overview

Please read the following installation instructions first after purchasing this dryer or transporting it to another location.



1. Choose the proper location.
2. Level the appliance.
3. Connect the heat pump electric dryer.
4. Plug in the power cord.
5. Final Installation Check

Choosing the Proper Location

⚠ WARNING

- Read all installation instructions completely before installing and operating the appliance. It is important that you review this entire manual before installing and using the appliance. Detailed instructions concerning electrical connections and additional requirements are provided on the following pages.

Electricity

Use an individual, grounded electrical outlet located within 2 ft. (61 cm) of either side of the appliance.

⚠ WARNING

- Do not install or store the appliance in an area where it will be exposed to water and/or weather.

NOTE

- Check code requirements that limit, or do not permit, installation of the dryer in garages, mobile homes or sleeping quarters. Contact your local building inspector.

Flooring

To avoid noise and vibration, the appliance must be installed and leveled on a solidly constructed floor with a maximum slope of 1 inch (2.5 cm). If required, adjust the leveling legs to compensate for the unevenness of the floor.

NOTE

- A sturdy floor is needed to support the total appliance weight when loaded. The combined weight of a companion appliance should also be considered.
- Clothes may not tumble properly, and automatic sensor cycles may not operate correctly if the appliance is not level.
- Far garage installation, you will need to place the appliance at least 18 inches (45.7 cm) above the floor. The standard pedestal height is 15 inches (38 cm). You will need 18 inches (45.7 cm) from the garage floor to the bottom of the appliance.

Ambient Temperature

Install the appliance in an area where the temperature is over 45 °F (7 °C).

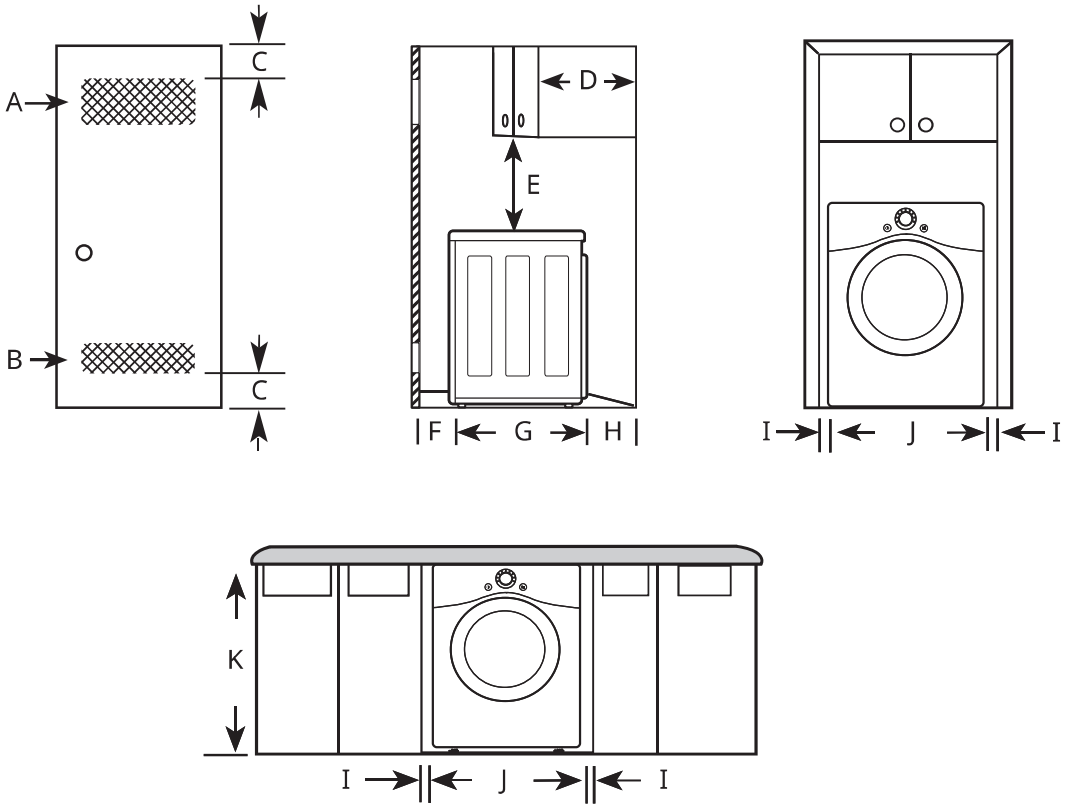
If the temperature around the appliance is too low, the appliance might not shut off at the end of an automatic cycle. This can result in longer drying times.

Dimensions and Clearances

The following clearances are recommended for the appliance.

- Additional clearances should be considered for ease of installation and servicing.
- Additional clearances should be considered on all sides of the dryer to reduce noise transfer.

Installation spacing for Recessed Area or Closet Installation



-	Description	Dimension/Clearance
A	Upper Ventilation Opening	≥ 48 sq. in. (310 cm^2)
B	Lower Ventilation Opening	≥ 24 sq. in. (155 cm^2)
C	Distance to Ventilation Opening	≥ 3″ (76 mm)
D	Overhead Cabinet Depth	≤ 14″ (356 mm)
E	Distance to the Overhead Cabinet/Shelf	≥ 18″ (457 mm)
F	Front Clearance	1″ (25 mm)
G	Depth	27 1/4″ (690 mm)
H	Back Clearance	≥ 5″ (127 mm)
I	Side Clearance	≥ 1″ (25 mm)
J	Width	23 5/8″ (600 mm)
K	Height of Cabinet Opening	33 1/2″ (850 mm)

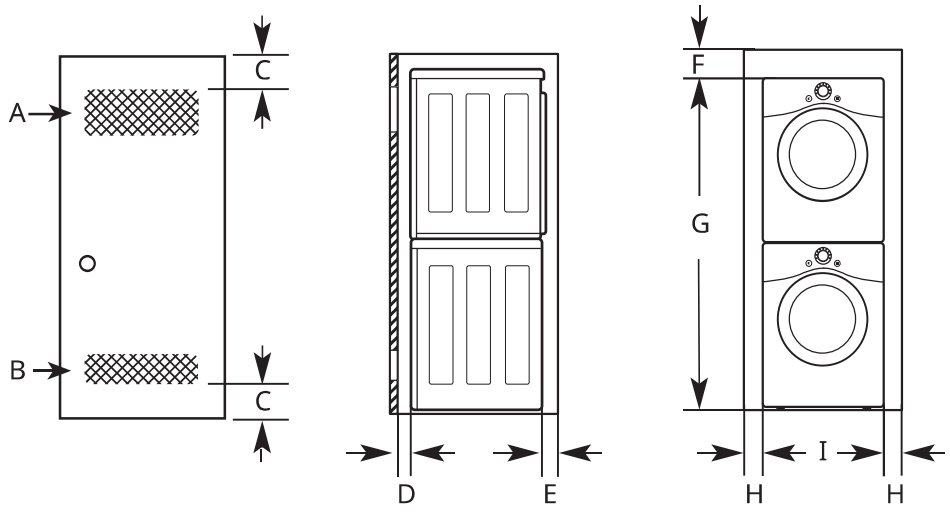
Closet Ventilation Requirements

Closets with doors must have both an upper and lower vent to prevent heat and moisture buildup in the closet. One upper vent opening with a minimum opening of 48 sq. in. (310 cm^2) must be installed no lower than 6 feet above the floor. One lower vent opening with a minimum opening of 24 sq. in. (155 cm^2) must be installed no more than one foot above the floor. Install vent grills in the door or cut down the door at the top and bottom to form openings. Louvered doors with equivalent ventilation openings are also acceptable.

NOTE

- There should be at least a little space around the dryer (or any other appliance) to eliminate the transfer of vibration from one appliance to another. If there is enough vibration, it could cause appliances to make noise or come into contact, causing paint damage and further increasing noise.
- No other fuel-burning appliance can be installed in the same closet as a dryer.

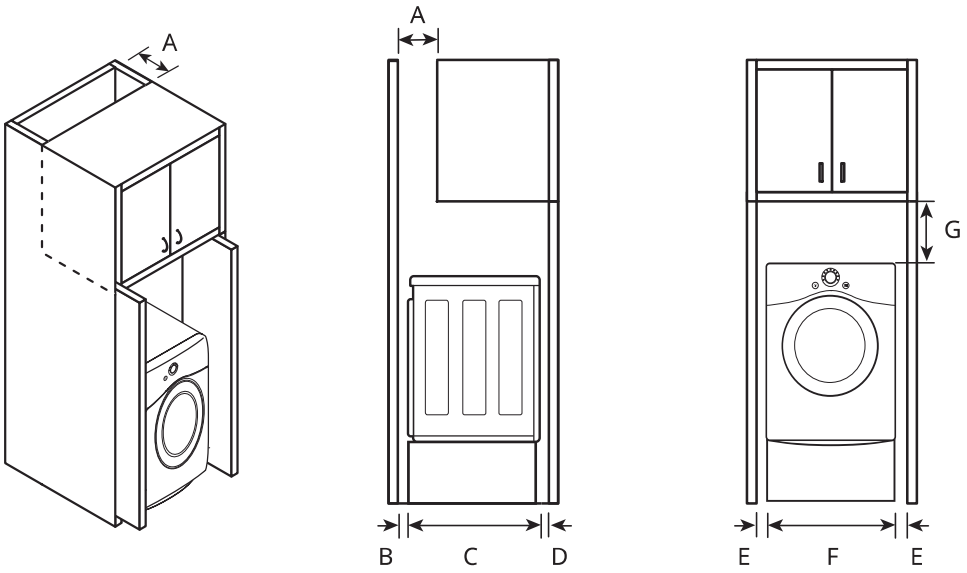
Installation Spacing for Recessed Area or Closet, with Stacked Washer and Dryer



-	Description	Dimension/Clearance
A	Upper Ventilation Opening	≥ 48 sq. in. (310 cm^2)
B	Lower Ventilation Opening	≥ 24 sq. in. (155 cm^2)
C	Distance to Ventilation Opening	≥ 3″ (76 mm)
D	Front Clearance	≥ 1″ (25 mm)
E	Back Clearance	≥ 5 1/2″ (140 mm)
F	Top Clearance to the Ceiling	≥ 6″ (152 mm)
G	Height to the Top of Stacked Appliances†	67″ (1700 mm)
H	Side Clearance	≥ 1″ (25 mm)
I	Width†	23 5/8″ (600 mm)

† Differs depending on the washer dimensions.

Installation Spacing for Cabinet



For cabinet installation with a door, minimum ventilation openings in the top of the cabinet are required.

-	Description	Dimension/Clearance
A	Depth of Ventilation Opening	≥ 7″ (178 mm)
B	Back Clearance	≥ 5″ (127 mm)
C	Depth	27 1/4″ (690 mm)
D	Front Clearance	≥ 1″ (25mm)
E	Side Clearance	≥ 1″ (25 mm)
F	Width	23 5/8″ (600 mm)
G	Clearance to Top of Cabinet	≥ 9″ (229 mm)

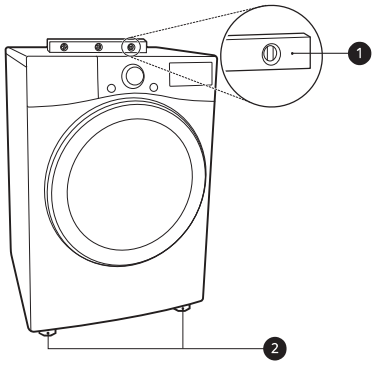
Leveling the Appliance

⚠ WARNING

- Use long-sleeved gloves and safety glasses.
- The appliance is heavy. Two or more people are required when installing the appliance.

Checking the Level

Position the appliance in the final location and place a level across the top of the appliance.



❶ Level

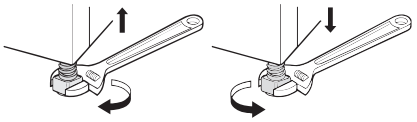
❷ Leveling Feet

NOTE

- All four leveling feet must rest solidly on the floor. Gently push on the top corners of the appliance to make sure that the appliance does not rock from corner to corner.
- Adjust the leveling feet only as far as necessary to level the appliance. Extending the leveling feet more than necessary may cause the appliance to vibrate.
- To ensure that the appliance provides optimal drying performance, it must be level. To minimize vibration, noise, and unwanted movement, the floor must be a perfectly level, solid surface.

Adjusting the Leveling Feet

Use an adjustable wrench to turn the leveling feet. Unscrew the legs to raise the appliance or screw in the legs to lower it. Raise or lower with the leveling feet until the appliance is level from side to side and front to back. Make sure that all four leveling feet are in firm contact with the floor.



NOTE

- If you are installing the appliance on the optional pedestal, you must use the leveling feet on the pedestal to level the appliance. The appliance leveling feet should be fully retracted.

Reversing the Door

⚠ WARNING

- Support the door with a stool or box that fits under the door, or have an assistant support the weight of the door.
- Avoid dropping the door.
- Unplug the appliance or turn off power at the main circuit breaker before beginning door reversal.
- Always reverse the door BEFORE stacking the appliance on top of the washer.

Tools Required

- Phillips screwdriver
- Large flat blade screwdriver (recommended for hinge screws if they are tight or your Phillips screwdriver is worn)
- Small flat blade screwdriver (for lifting out parts)

Door Reversal Instructions

The instructions here are for changing the door swing from a right to a left side hinge. If the door has been reversed, and it is necessary to change it back, use care when following these instructions. Some of the illustrations and the left/right references will be reversed, and you will need to read the instructions carefully.

⚠ WARNING

- Do not reverse the door while the appliance is stacked on a washing machine.
- Before removing the hinge screws, have an assistant support the weight of the door. The door could fall on the floor due to the weight of the door.

- For safety reasons, two or more people need to work together to reverse the door.

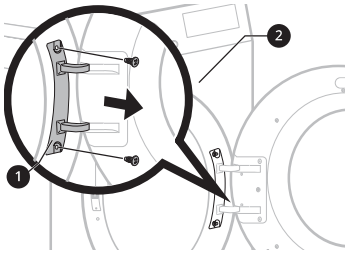
NOTE

- The appearance of the screws varies and the screws must be inserted differently depending on the position. Make sure that you've selected the correct screw before tightening.

1 Open the door and remove 2 screws on the door hinge ❶. Remove the door from the cabinet ❷ and place it inside facing up on a non-scratching surface.

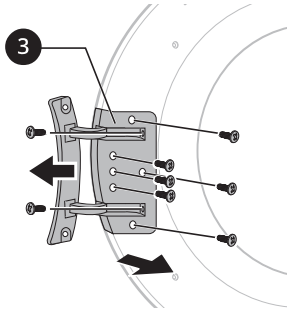
⚠ WARNING

- Be sure to support the weight of the door before removing the hinge screws.

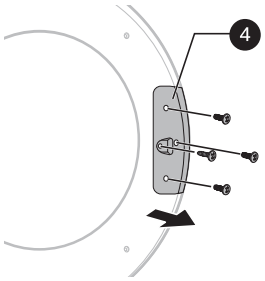


2 Remove 8 screws and remove the hinge assembly ❸ from the door.

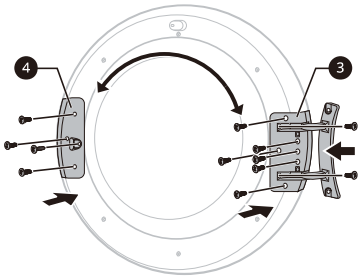
- There are 6 screws on the front and 2 screws on the side.



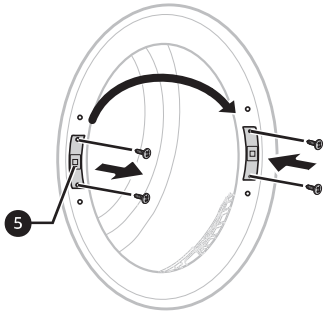
3 Remove the 3 screws from the door latch assembly ❹ which is mounted between the door and the hinge assembly. Remove the screw in the door latch.



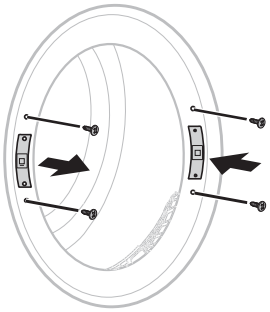
4 Swap the position of the hinge assembly ❸ and the door latch assembly ❹ and reassemble. Refer to steps 2 and 3 for the location and number of screws when reassembling.



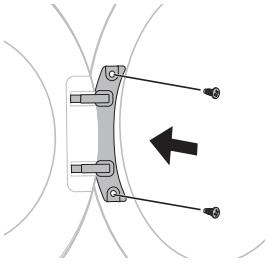
5 On the appliance cabint, unscrew 2 screws and remove the door catch ❺. Reassemble it on the opposite side of the door.



6 Remove the 2 decorative screws from the appliance cabinet and insert them on the opposite side.



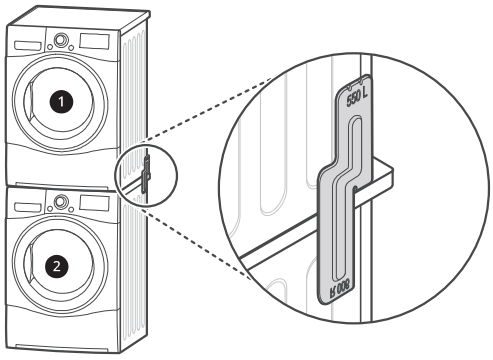
7 Reassemble the door on the cabinet using the screws removed in step 1. Make sure that the door opens, closes and latches properly.



Stacking the Appliance

Stacking Kit Overview

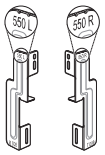
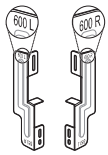
In order to stack the appliance, an LG stacking kit is required.



❶ Dryer

❷ LG Front Load Washing Machine

The appliance may only be stacked on top of an LG front load washing machine. Do not attempt to stack the appliance on any other washing machine, as it could result in damage, injury or property damage.

Shape and assembly direction	Washing Machine Top plate size	
	21 7/8 inch (550 mm)	23 5/8 inch (600 mm)
		

Tools Required

- Phillips screwdriver

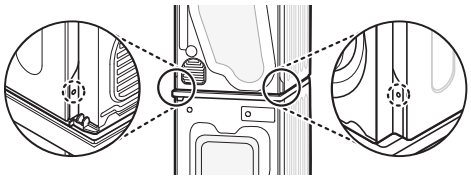
Stacking Kit Installation

⚠ WARNING

- The weight of the appliance and the height of installation make this stacking procedure too risky for one person. Two or more people are required when installing the stacking kit.
- Place the washer on a solid, stable, level floor capable of supporting the weight of both appliances.
- Do not stack the washer on top of the dryer.
- If appliances are already installed, disconnect them from all power, water, and drainage connections.

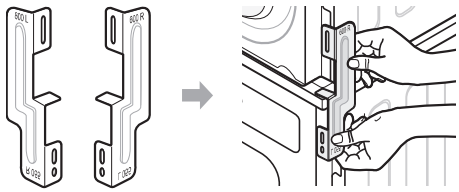
1 Place the appliance on the top of an LG front load washing machine.

2 Remove the 1 screw from the bottom of the rear cover on each side.

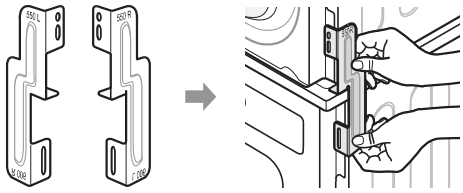


3 Align the hole in the bracket with the hole in the rear cover of the appliances.

- If using the 23 5/8″ (600 mm) top plate:



- If using the 21 7/8″ (550 mm) top plate:



4 Use the 2 screws removed earlier to hold the stacking brackets in place on each side.

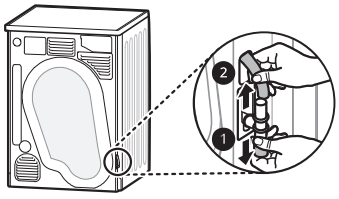
5 Use the four 0.6″ (16 mm) screws provided in the accessory box to secure the brackets in place.

Installing the Optional Drain Hose

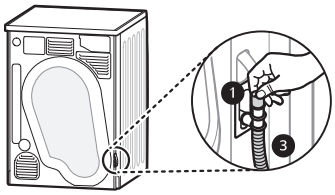
Normally, condensed water is pumped up to the water container where water is collected until manually emptied. It may be more convenient to drain water to an external drain, especially when the appliance is stacked on top of a washing machine.

Use the connecting T piece to reroute the drainage as shown below.

1 Remove the anti-backflow cap ❶ and disconnect the water container hose ❷ from the T piece.



2 Attach the anti-backflow cap ❶ to the top of the T piece and connect the optional drain hose ❸ to the bottom of the T piece.



⚠ CAUTION

- If the drain hose is kinked or pinched, it will not drain properly.

Connecting Electric Dryers

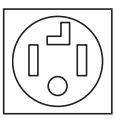
To reduce the risk of fire or explosion, electric shock, property damage, injury to persons, or death when using this appliance, fulfill the following requirements.

Electrical Requirements

- The wiring and grounding must conform to the latest edition of the National Electrical Code, ANSI/NFPA 70 and all applicable local regulations. Please contact a qualified electrician to check your home's wiring and fuses to ensure that your home has adequate electrical power to operate the dryer.
- This dryer must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the dryer.
- The dryer has its own terminal block that must be connected to a separate 240 VAC, 60-Hertz, single-phase circuit, fused at 30 amperes (the circuit must be fused on both sides of the line). ELECTRICAL SERVICE FOR THE DRYER SHOULD BE OF THE MAXIMUM RATE VOLTAGE LISTED ON THE NAMEPLATE. DO NOT CONNECT THE DRYER TO 110-, 115-, OR 120-VOLT CIRCUIT.
- If the branch circuit to dryer is 15 ft. (4.5 m) or less in length, use UL (Underwriters Laboratories) listed No.-10 AWG wire (copper wire only), or as required by local codes. If over 15 ft. (4.5 m), use UL-listed No.-8 AWG wire (copper wire only), or as required by local codes. Allow sufficient slack in wiring so the dryer can be moved from its normal location when necessary.
- The power cord (pigtail) connection between the wall receptacle and the dryer terminal block IS NOT supplied with the dryer. Type of pigtail and gauge of wire must conform to local codes and with instructions on the following pages.
- Do not modify the plug and internal wire provided with the dryer.
- The dryer should be connected to a 4-hole outlet.
- If the plug does not fit the outlet, a proper outlet will need to be installed by a qualified electrician.
- Connect the power cord to the terminal block. Each colored wire should be connected to the same color screw. Wire color indicated on manual is connected to the same color screw in the block.
- Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations and (2) areas where local codes prohibit grounding through the neutral conductor.
- This dryer is supplied with the neutral wire grounded. This white ground wire MUST BE MOVED to the neutral terminal when a 4-wire cord is to be used, or where grounding through the neutral conductor is prohibited.

Four-Wire Power Cord

- A UL-listed strain relief is required.

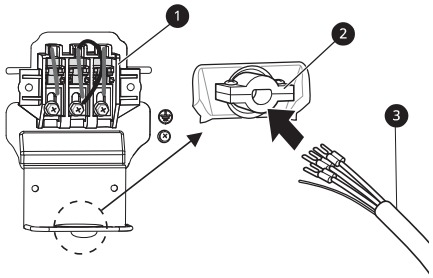


- Use a 30-amp, 240-volt, 4-wire, UL-listed power cord with #10 AWG-minimum copper conductor and closed loop or forked terminals with upturned ends.

1 Remove the terminal block access cover on the upper back of the appliance.

2 Install UL-listed strain relief into the power cord through-hole.

3 Thread a 30-amp, 240-volt, 4-wire, UL-listed power cord with #10 AWG-minimum copper conductor through the strain relief.



1. Terminal Block
2. UL-Listed Strain Relief
3. UL-Listed 4-Wire Power Cord

4 Transfer the appliance's ground wire from behind the green ground screw to the center screw of the terminal block.

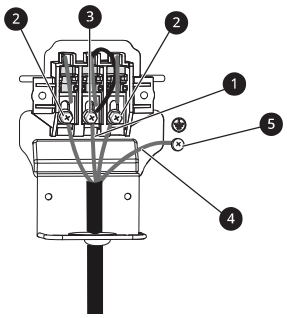
5 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

6 Attach the neutral (white) wire to the center screw of the terminal block

7 Attach the power cord ground wire to the green ground screw.

8 Tighten all screws securely.

9 Reinstall the terminal block access cover.



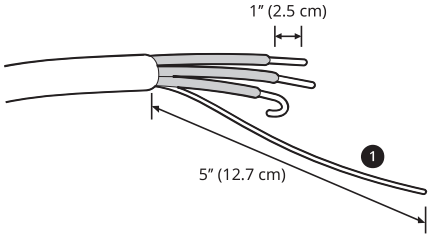
1. White Wire moved from Ground Screw
2. Hot Leads of Power Cord (Black and Red)
3. Neutral Wire (White)
4. Power Cord Ground Wire
5. Ground Screw

Four-Wire Direct Wire

- A UL-listed strain relief is required.

- Use UL-listed 4-wire #10 AWG minimum copper conductor cable. Allow at least 5 ft. (1.5 m) of wire to allow for removal and reinstallation of the dryer.

1 Remove 5 inches (12.7 cm) of the outer covering from the wire and remove 5 inches of insulation from the ground wire. Cut off approximately 1.5 inches (3.8 cm) from the other three wires and strip 1 inch (2.5 cm) insulation from each wire. Bend the ends of the three shorter wires into a hook shape.

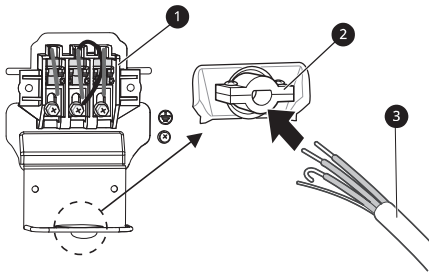


1. Ground Wire

2 Remove the terminal block access cover on the upper back of the appliance.

3 Install UL-listed strain relief into the power cord through-hole.

4 Thread the 4-wire #10 AWG minimum copper power cable prepared in step 1 through the strain relief.



❶ Terminal Block

❷ UL-Listed Strain Relief

❸ UL-Listed 4-Wire Power Cord

5 Transfer the appliance's ground wire from behind the green ground screw to the center of the terminal block.

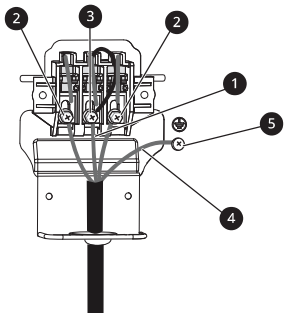
6 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

7 Attach the neutral (white) wire to the center screw of the terminal block.

8 Attach the power cord ground wire to the green ground screw.

9 Tighten all screws securely.

10 Reinstall the terminal block access cover.



❶ White Wire moved from Ground Screw

❷ Hot Leads of Power Cord (Black and Red)

❸ Neutral Wire (White)

❹ Power Cord Ground Wire

❺ Ground Screw

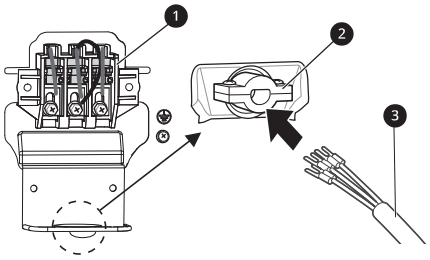
Three-Wire Power Cord

- A 3-wire connection is NOT permitted on new construction after January 1, 1996.
- A UL-listed strain relief is required.
- Use a 30-amp, 240-volt, 3-wire, UL-listed power cord with #10 AWG-minimum copper conductor and closed loop or forked terminals with upturned ends.

1 Remove the terminal block access cover on the upper back of the appliance.

2 Install the UL-listed strain relief into the power cord through-hole.

3 Thread a 30-amp, 240 volt, 3-wire, UL-listed power cord with #10 AWG-minimum copper conductor through the strain relief.



❶ Terminal Block

❷ UL-Listed Strain Relief

❸ UL-Listed 3-Wire Power Cord

4 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

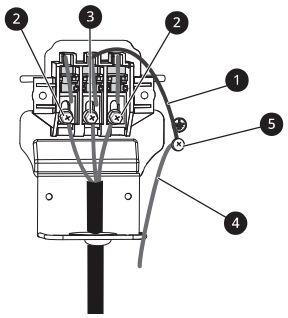
5 Attach the neutral (white) wire to the center terminal block screw.

6 Connect the external ground (if required by local codes) to the green ground screw.

7 Tighten all screws securely.

8 Reinstall the terminal block access cover.

ENGLISH



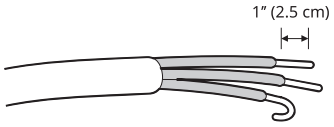
1. White Wire from Dryer harness
2. Hot Leads of Power Cord (Black and Red)
3. Neutral Wire (White)
4. External Ground Wire (If required by local codes)
5. Ground Screw

Three-Wire Direct Wire

- A 3-wire connection is NOT permitted on new construction after January 1, 1996.

- A UL-listed strain relief is required.
- Use UL-listed 3-wire, #10 AWG minimum copper conductor cable. Allow at least 5 ft. (1.5 m) length to allow for removal and installation of dryer.

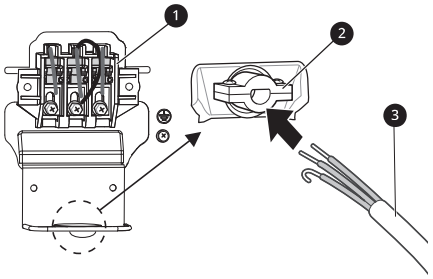
1 Remove 3.5 inches (8.9 cm) of the outer covering from the wire. Strip 1 inch (2.5 cm) insulation from each wire. Bend the ends of the three wires into a hook shape.



2 Remove the terminal block access cover on the upper back of the appliance.

3 Install UL-listed strain relief into the power cord through-hole.

4 Thread the 3-wire, #10 AWG minimum copper conductor power cable prepared in step 1 through the strain relief.



1. Terminal block
2. UL-listed strain relief
3. UL-listed 3-wire power cord

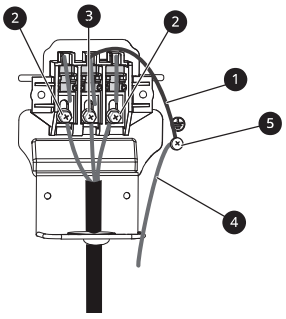
5 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

6 Attach the neutral (white) wire to the center terminal block screw.

7 Connect the external ground (if required by local codes) to the green ground screw.

8 Tighten all screws securely.

9 Reinstall the terminal block access cover.



1. White Wire from the appliance harness
2. Hot Lead of Power Cord (Black and Red)
3. Neutral wire (White)
4. External ground wire (If required by local codes)
5. Ground screw

Special Electrical Requirements

For Mobile or Manufactured Homes

- Any installation in a manufactured or mobile home must comply with the Manufactured Home Construction and Safety Standards Title 24 CFR, Part 3280 or Standard CAN/ CSA Z240 MH and local codes and ordinances. If you are uncertain whether your proposed installation will comply with these standards, please contact a service and installation professional for assistance.
- A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996.
- The electrical connection for an electric dryer must be a 4-wire connection. More detailed information concerning the electrical connection is provided in the section Connecting Electric Dryers.
- To reduce the risk of combustion and fire, the dryer must be vented to the outside.
- DO NOT vent the dryer under a manufactured home or mobile home.
- Electric dryers may be vented to the outside using the back, left, right, or bottom panel.
- Make sure the dryer has adequate access to outside fresh air to ensure proper operation. The opening for outside fresh air must be at least 25 sq. in (163 cm^2).
- Please be aware that venting materials are not supplied with the dryer. You must obtain the venting materials necessary for proper installation.

Final Installation Check

Once you have completed the installation of the dryer and it is in its final location, confirm proper operation with the following tests.

Checking Levelness

Once the dryer is in its final location, recheck the dryer to be sure it is level. Make sure it is level front to back and side to side, and that all four leveling feet are in firm contact with the floor.