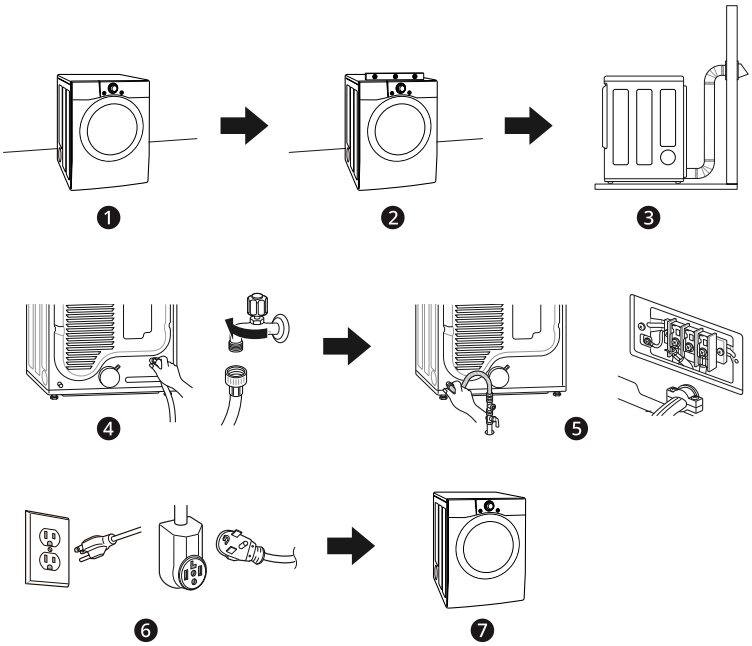
INSTALLATION

Before Installing

Installation Overview

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



❶ Choose the proper location.

❷ Level the appliance.

❸ Vent the appliance.

❹ Connect the inlet hose (for steam models)

❺ Connect the Gas / Electric dryer.

- Purchase a UL-listed, 3-wire or 4-wire power cord kit with UL-listed strain relief (electric dryer only)

❻ Plug in the power cord.

❼ Installation test and test run.

- Refer to the **Test Exhaust System** section in **INSTALLATION**.

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.

Exhaust

- The location must allow for proper exhaust installation. The gas dryer must exhaust directly to the outdoors and not into a crawl space or attic.

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. If you have questions, 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 additional appliances should also be considered.
- Clothes may not tumble properly, and automatic sensor cycles may not operate correctly if the appliance is not level.
- For 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 ℉ (7 ℃).

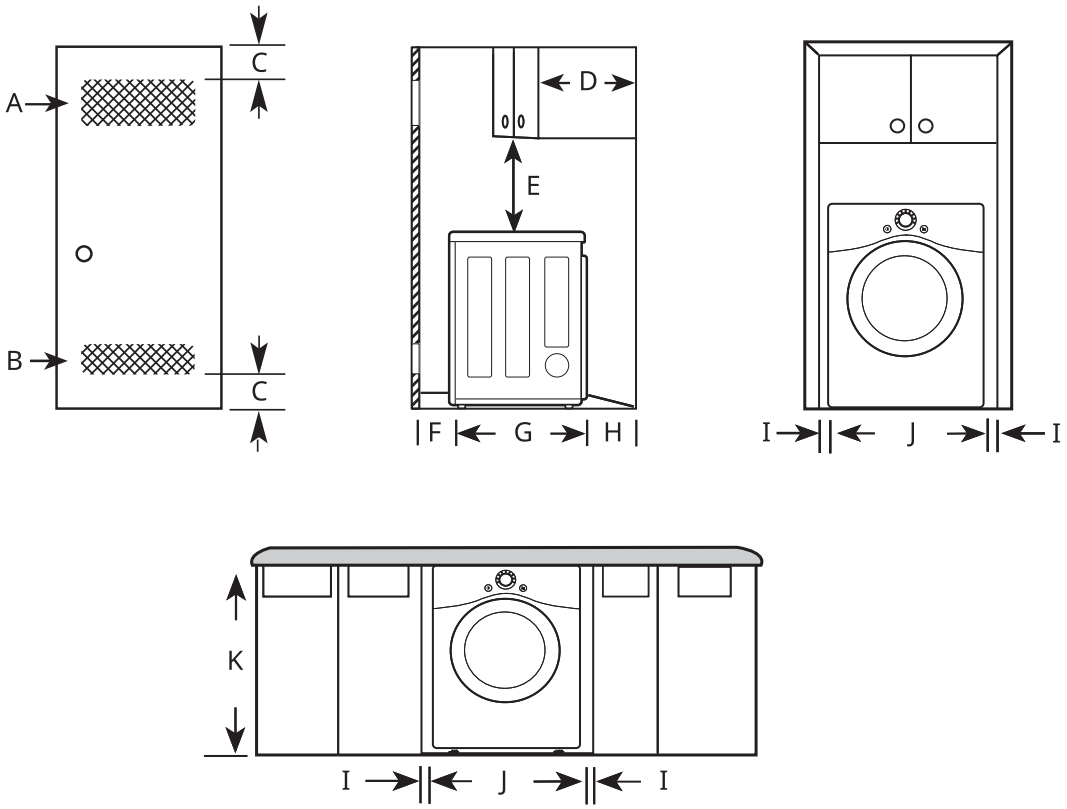
If the temperature around the appliance is too low, the appliance might not shut off at the end of an automatic cycle. This can result in longer drying times.

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	30 1/8″ (765 mm)
H	Back Clearance	≥ 5″ (127 mm)
I	Side Clearance	≥ 1″ (25 mm)
J	Width	27″ (686 mm)
K	Height of Cabinet Opening	39″ (990 mm)

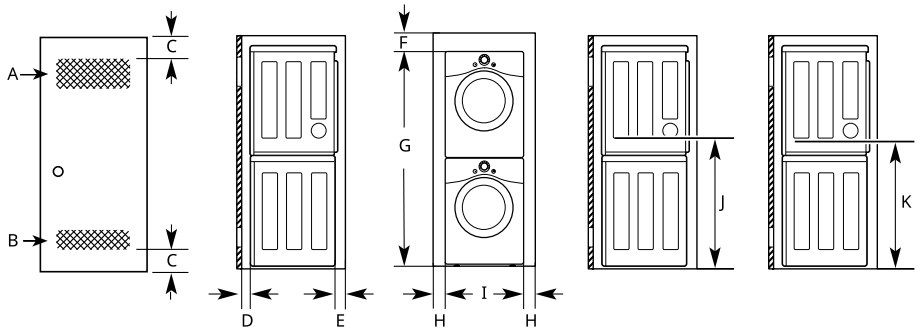
Closet Ventilation Requirements

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 grilles 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.

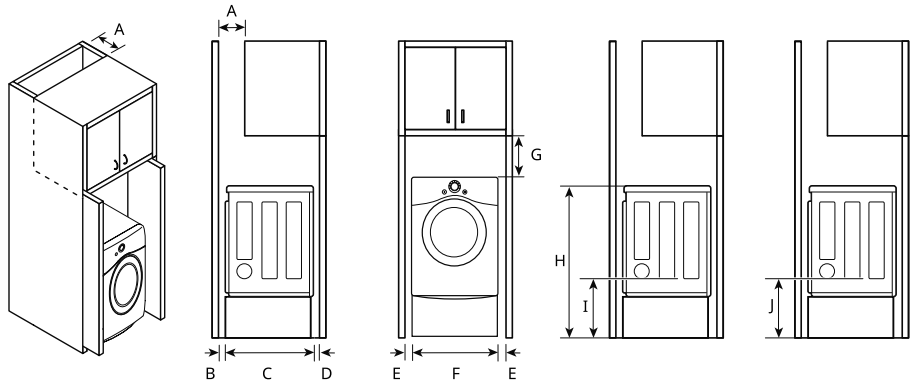
Installation Spacing for Recessed Area or Closet, with Stacked Washer and Dryer



-	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†	77 1/2″ (1968 mm)
H	Side Clearance	≥ 1″ (25 mm)
I	Width†	27″ (686 mm)
J	Centerline height of rear vent†	43 1/2″ (1103.9mm)
K	Centerline height of rear gas pipe†	42 1/2″ (1080.3mm)

† 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	30 1/8″ (765 mm)
D	Front Clearance	≥ 1″ (25mm)
E	Side Clearance	≥ 1″ (25 mm)
F	Width	27″ (686 mm)
G	Clearance to Top of Cabinet	≥ 9″ (229 mm)
H	Height to the Top of Stacked Appliances	52 1/8” (1324.7mm)
I	Centerline height of rear vent	17 7/8” (455.5mm)
J	Centerline height of rear gas pipe	17” (431.8mm)

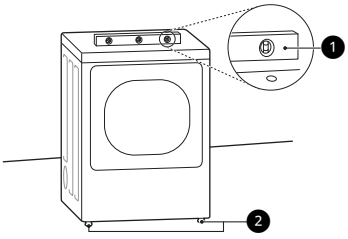
Leveling the Appliance

⚠ 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

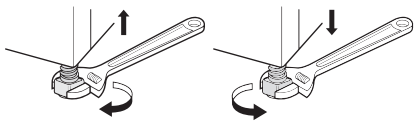
❷ Leveling Feet

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)

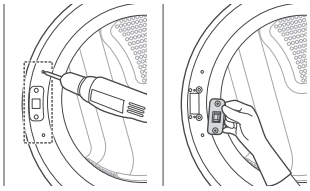
Door Reversal Instructions

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.

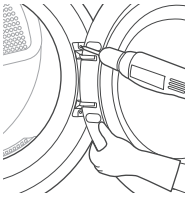
1 Open the door and remove the 2 decorative screws, 2 latch screws, and the latch on the catch side with a screwdriver. Save these for step 4.

⚠ WARNING

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



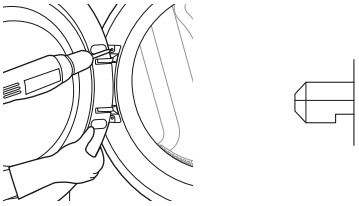
2 While supporting the door, remove the 2 screws on the door hinge. Remove the door.



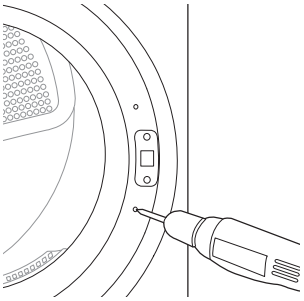
3 Turn the door upside down and line up the holes in the hinge with the holes on the opposite side of the cabinet. Make sure the assembly hanger located near the hinge is inserted properly and taking the weight of the door. Reinstall the door with the screws removed in step 2.
(If your model does not have an assembly hanger, you will need to align the holes and have an assistant support the door while you assemble it.)

⚠ WARNING

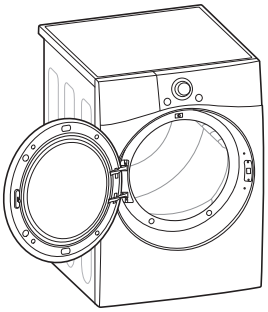
- Be sure to support the weight of the door before inserting the hinge screws.



4 Install the 2 decorative screws, the latch, and 2 latch screws removed in step 1 on the opposite side from which they were removed.



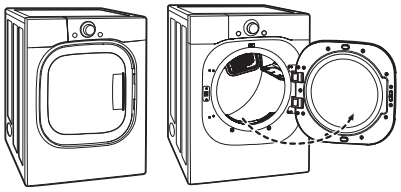
5 Check that the door closes properly.



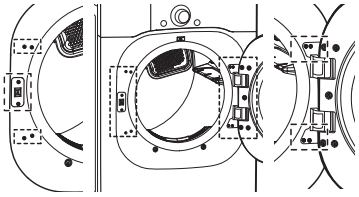
Door Reversal Instructions (DL*X450**)

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.

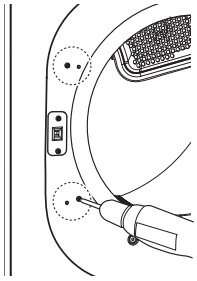
1 Open the appliance door.



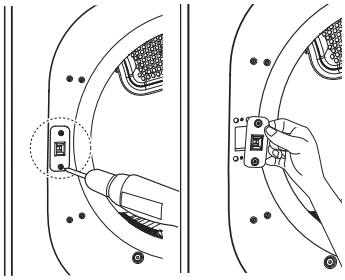
2 You will be removing the screws shown below (6 on left, 4 on right).



3 Remove the four decorative screws on the left using a screwdriver.



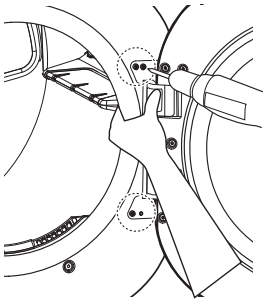
4 Remove the two latch screws and the latch.



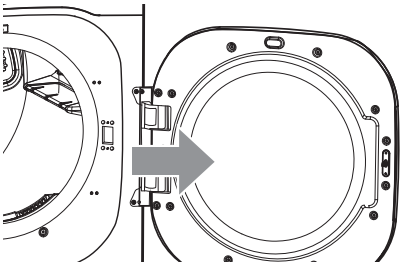
⚠ CAUTION

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

5 Hold the hinge in place while removing the four hinge screws (to prevent the door from dropping).



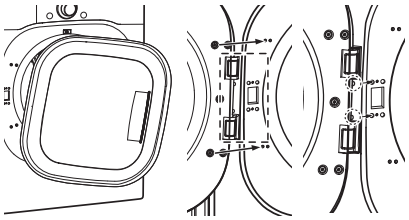
6 Remove the door from the cabinet cover.



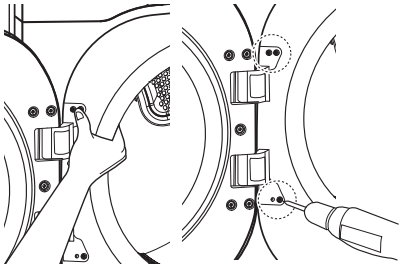
7 Move the door to the left side and line up the holes in the hinge with the holes in the cabinet.

⚠ WARNING

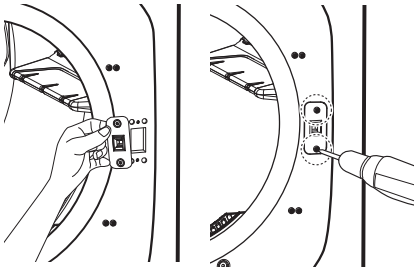
- Be sure to support the weight of the door before inserting the hinge screws.



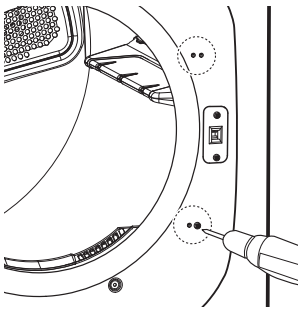
8 Hold the hinge in place while inserting the two hinge screws (to prevent the door from dropping).



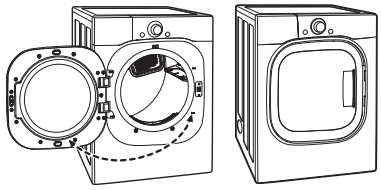
9 Insert the latch on the right side and install the latch screws.



10 Insert the four decorative screws on the right side.



11 Check that the door closes and latches properly.



Installing the Vent Kit

⚠ WARNING

- Use long-sleeved gloves and safety glasses.
- Use a heavy metal vent.
- Do not use plastic or thin foil ducts.
- Clean old ducts before installing the appliance.

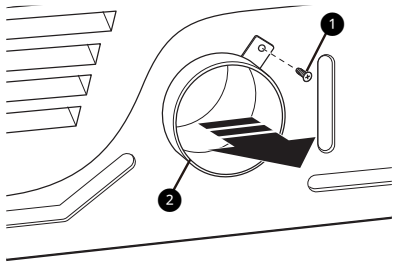
The appliance is configured to vent to the rear. It can also vent to the bottom or side.

NOTE

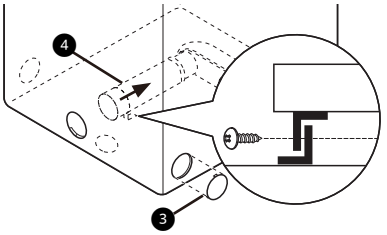
- An adapter kit, part number 383EEL9001B, may be purchased from your LG retailer. This kit contains duct components necessary to change the appliance vent location.
- Right-side venting is not available on gas models.

Side Venting

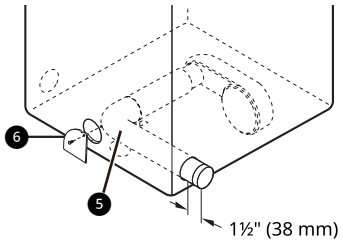
1 Remove the rear exhaust duct retaining screw ❶ and pull out the exhaust duct ❷.



2 Press the tabs on the knockout ❸ and carefully remove the knockout for the desired vent opening. (Right-side venting is not available on gas models.) Press the adapter duct ❹ onto the blower housing and secure to the base of the dryer as shown.

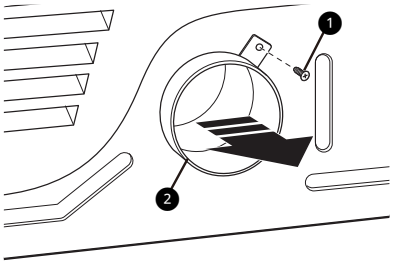


3 Preassemble a 4" (10.2 cm) elbow ❺ to the next 4" (10.2 cm) duct section, and secure all joints with duct tape. Be sure that the male end of the elbow faces AWAY from the dryer. Insert the elbow/duct assembly through the side opening and press it onto the adapter duct. Secure it in place with duct tape. Be sure that the male end of the duct protrudes 1.5" (3.8 cm) to connect the remaining ductwork. Attach the cover plate ❻ to the back of the dryer with the included screw.

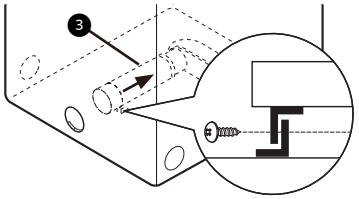


Bottom Venting

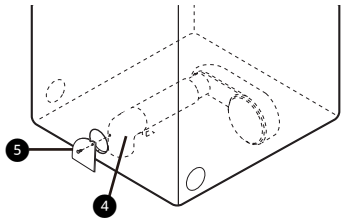
1 Remove the rear exhaust duct retaining screw ❶. Pull out the exhaust duct ❷.



2 Press the adapter duct ❸ onto the blower housing and secure it to the base of the dryer as shown.



3 Insert the 4" (10.2 cm) elbow ❹ through the rear opening and press it onto the adapter duct. Be sure that the male end of the elbow faces down through the hole in the bottom of the dryer. Secure it in place with duct tape. Attach the cover plate ❺ to the back of the dryer with the included screw.



Stacking the Appliance

Tools Required

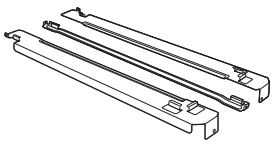
- Phillips screwdriver

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 drain connections.

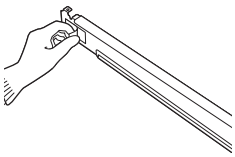
This stacking kit includes:



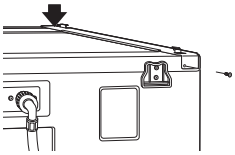
- Two (2) side rails
- One (1) front rail
- Four (4) screws

To ensure safe and secure installation, please observe the following instructions.

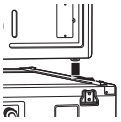
1 Make sure the surface of the washer is clean and dry. Remove paper backing from the tape on one of the stacking kit side brackets.



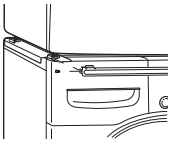
2 Fit the side bracket to the side of the washer top as shown. Firmly press the adhesive area of the bracket to the washer surface. Secure the side bracket to the washer with a screw on the back side of the bracket. Repeat steps 1 and 2 to attach the other side bracket.



3 Place the appliance on top of the washer, fitting the dryer feet into the side brackets as illustrated. Avoid finger injuries; do not allow fingers to be pinched between the washer and the appliance. Slowly slide the appliance toward the back of the washer until the side bracket stoppers catch the dryer feet.



4 Insert the front rail between the bottom of the appliance and the top of the washer. Push the front rail toward the back of the washer until it comes in contact with the side rail stoppers. Install the two remaining screws to secure the front rail to the side rails.



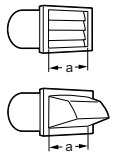
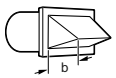
Venting the Dryer

⚠ WARNING

- The gas dryer must exhaust directly to the outdoors and not into a crawl space or attic.
- To reduce the risk of fire, combustion, or accumulation of combustible gases, DO NOT exhaust dryer air into an enclosed and unventilated area, such as an attic, wall, ceiling, crawl space, chimney, gas vent, or concealed space of a building.
- To reduce the risk of fire, DO NOT exhaust the dryer with plastic or thin foil ducting.
- Do not exceed the recommended duct length limitations noted in the chart. Failure to follow these instructions may result in extended drying times, fire or death.

- Do not crush or collapse ductwork.
- Do not allow ductwork to rest on or contact sharp objects.
- If connecting to existing ductwork, make sure it is suitable and clean before installing the dryer.
- Venting must conform to local building codes.
- Use only 4-inch (10.2 cm) rigid, semi-rigid or flexible metal ductwork inside the dryer cabinet and for venting outside.
- The exhaust duct must be 4 inches (10.2 cm) in diameter with no obstructions. The exhaust duct should be kept as short as possible. Make sure to clean any old ducts before installing the new dryer.
- Rigid, semi-rigid or flexible metal ducting is recommended for use between the dryer and the wall. All non-rigid metal transition duct must be UL-listed. Use of other materials for transition duct could affect drying time.
- DO NOT use sheet metal screws or other fasteners which extend into the duct that could catch lint and reduce the efficiency of the exhaust system. Secure all joints with duct tape.
- Ductwork is not provided with the dryer. You should obtain the necessary ductwork locally. The vent hood should have hinged dampers to prevent backdraft when the dryer is not in use.
- The total length of flexible metal duct must not exceed 8 ft. (2.4 m).
- When pushing the dryer into the final install position, do not crush or collapse ductwork.

Ductwork

Wall Cap Type	No. of 90° Elbows	Maximum length of 4-inch diameter rigid metal duct
Recommended  a: 4 " (10.2 cm)	0	65 ft. (19.8 m)
	1	55 ft. (16.8 m)
	2	47 ft. (14.3 m)
	3	36 ft. (11.0 m)
	4	28 ft. (8.5 m)
Use for only short run installations  b: 2.5 " (6.35 cm)	0	55 ft. (16.8 m)
	1	47 ft. (14.3 m)
	2	41 ft. (12.5 m)
	3	30 ft. (9.1 m)
	4	22 ft. (6.7 m)

NOTE

- Deduct 6 ft. (1.8 m) for each additional elbow. Do not use more than 90° elbows indicated.
- In Canada, only those foil-type flexible ducts, if any, specifically identified for use with the appliance by the manufacturer should be used. In the United States, only those foil-type flexible ducts, if any, specifically identified for use with the appliance by the manufacturer and that comply with the Outline for Clothes Dryer Transition Duct, Subject 2158A, should be used.

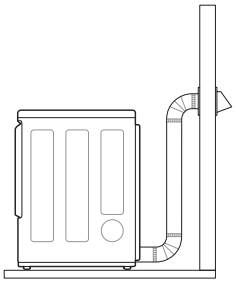
Routing and Connecting Ductwork

Follow the guidelines below to maximize drying performance and reduce lint buildup and condensation in the ductwork. Ductwork and fittings are NOT included and must be purchased separately.

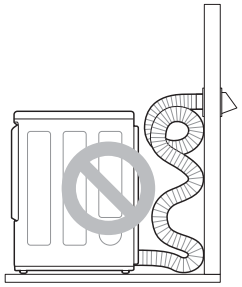
- Use 4-inch (10.2 cm) diameter rigid, semi-rigid or flexible metal ductwork.
- The exhaust duct run should be as short as possible.
- Use as few elbow joints as possible.
- The male end of each section of exhaust duct must point away from the dryer.
- Use duct tape on all duct joints.
- Insulate ductwork that runs through unheated areas in order to reduce condensation and lint buildup on duct surfaces.

- Incorrect or inadequate exhaust systems are not covered by the dryer warranty. Dryer failures or service required because of such exhaust systems will not be covered by the dryer warranty.

Correct Venting



Incorrect Venting



Connecting Gas Dryers

⚠ WARNING

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

Electrical Requirements for Gas Models

⚠ WARNING

- This dryer is equipped with a three-prong grounding plug for protection against shock hazard that should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.
- For personal safety, this dryer must be properly grounded.
- This dryer must be plugged into a 120-VAC, 60-Hz. grounded outlet protected by a 15-ampere fuse or circuit breaker.
- Where a standard 2-prong wall outlet is encountered, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

Gas Supply Requirements

⚠ WARNING

- DO NOT attempt any disassembly of the dryer; disassembly requires the attention and tools of an authorized and qualified service technician or company.
- DO NOT use an open flame to inspect for gas leaks. Use a noncorrosive leak detection fluid.

- Gas pressure must not exceed 10.5-inch (26.7 cm) water column for NG, or 13-inch (33.1 cm) water column for LP.
- Isolate the dryer from the gas supply system by closing its individual manual shutoff valve during any pressure testing of the gas supply at pressures greater than 3.5 kPa.
- Supply line requirements: Your laundry room must have a rigid gas supply line to your dryer. In the United States, an individual manual shutoff valve MUST be installed within at least 6 ft. (1.8 m) of the dryer, in accordance with the National Fuel Gas Code ANSI Z223.1 or Canadian gas installation code CSA B149.1. A 1/8-inch NPT pipe plug must be installed.
- If using a rigid pipe, the rigid pipe should be 0.5-inch IPS. If acceptable under local codes and ordinances and when acceptable to your gas supplier, 3/8-inch approved tubing may be used where lengths are less than 20 ft. (6.1 m). Larger tubing should be used for lengths in excess of 20 ft. (6.1 m).
- To prevent contamination of the gas valve, purge the gas supply of air and sediment before connecting the gas supply to the dryer. Before tightening the connection between the gas supply and the dryer, purge remaining air until the odor of gas is detected.
- Use only a new AGA- or CSA-certified gas supply line (in compliance with the Standard for Connectors for Gas Appliances, ANSI Z21.24 • CSA 6.10) with flexible stainless steel connectors.
- Use Teflon tape or a pipe-joint compound that is insoluble in propane (LP) gas on all pipe threads.

Connecting the Gas Supply

NOTE

- In the Commonwealth of Massachusetts: This product must be installed by a licensed plumber or gas fitter. When using ball-type gas shut off valves, they must be T-handle-type. A flexible gas connector, when used, must not exceed 3 feet.

- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.
- The dryer is configured for natural gas when shipped from the factory. Make sure that the dryer is equipped with the correct burner nozzle for the type of gas being used (natural gas or propane gas).
- Use only a new stainless steel flexible connector and a new AGA-certified connector.
- A gas shutoff valve must be installed within 6 ft. (1.8 m) of the dryer.
- If necessary, the correct nozzle should be installed by a qualified technician and the change should be noted on the dryer. (For the LP nozzle kit, order part number **383EEL3002D**.)
- All connections must be in accordance with local codes and regulations. The gas dryer must exhaust directly to the outdoors and not into a crawl space or attic.

1 Make sure that the gas supply to the laundry room is turned OFF and the dryer is unplugged. Confirm that the type of gas available in your laundry room is appropriate for the dryer.

2 Remove the shipping cap from the gas fitting at the back of the dryer. Be careful not to damage the threads of the gas connector when removing the shipping cap.

3 Connect the dryer to your laundry room's gas supply using a new flexible stainless steel connector with a 3/8-inch NPT fitting.

⚠ WARNING

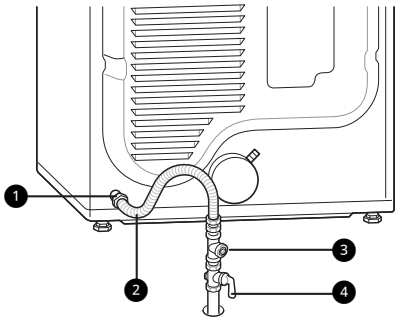
- DO NOT use old connectors.

4 Securely tighten all connections between the dryer and your laundry room's gas supply.

5 Turn on your laundry room's gas supply.

6 Check all pipe connections (both internal and external) for gas leaks with a noncorrosive leak-detection fluid.

7 Proceed to Venting the Dryer.



❶ 3/8" NPT gas Connection

❷ AGA/CSA-Certified Stainless Steel Flexible Connector

❸ 1/8" NPT Pipe Plug

❹ Gas Supply Shutoff Valve

High-Altitude Installations

The BTU rating of this dryer is AGA-certified for elevations below 10,000 feet.

If your gas dryer is being installed at an elevation above 10,000 feet, it must be derated by a qualified technician or gas supplier.

Connecting Electric Dryers

⚠ WARNING

- 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 for Electric Models

⚠ WARNING

- 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 appliance.

- This appliance 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 appliance.
- The appliance 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 APPLIANCE SHOULD BE OF THE MAXIMUM RATE VOLTAGE LISTED ON THE NAMEPLATE. DO NOT CONNECT THE APPLIANCE TO 110-, 115-, OR 120-VOLT CIRCUIT.
- If the branch circuit to appliance 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 appliance can be moved from its normal location when necessary.
- The power cord (pigtail) connection between the wall receptacle and the appliance terminal block IS NOT supplied with the appliance. 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 appliance.
- The appliance 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 in 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 appliance 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.

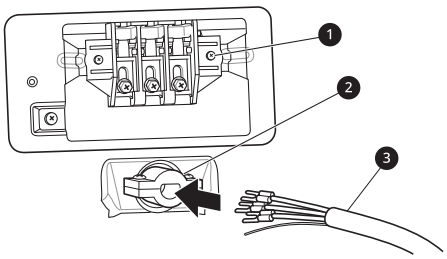


- Use a 30-amp, 240-volt, 4-wire, UL-listed power cord with #10 AWG-minimum copper conductor and closed loop or forked terminals with upturned ends.

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.



❶ Terminal Block

❷ UL-Listed Strain Relief

❸ 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.

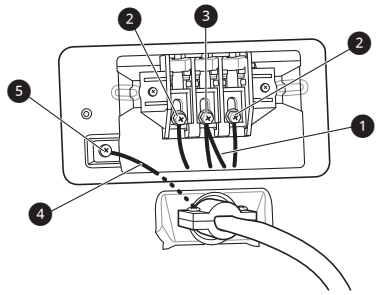
5 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

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.



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

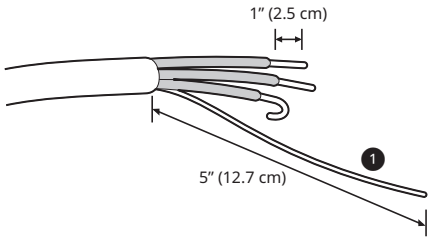
Four-Wire Direct Wire

- 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.

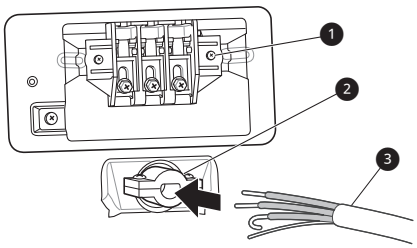


❶ Ground Wire

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.

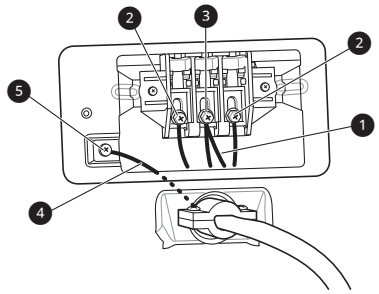
6 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

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.

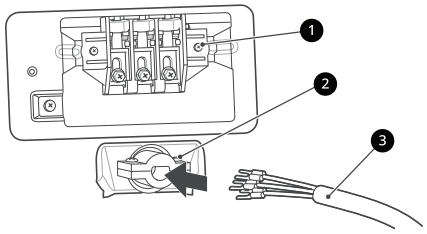


- A UL-listed strain relief is required.
- Use a 30-amp, 240-volt, 3-wire, UL-listed power cord with #10 AWG-minimum copper conductor and closed loop or forked terminals with upturned ends.

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

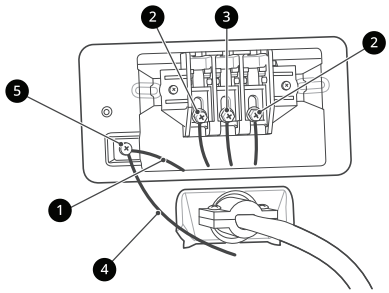
4 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

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.



❶ White Wire from Dryer Harness

❷ Hot Leads of Power Cord (Black and Red)

❸ Neutral Wire (White)

❹ External Ground Wire (if required by local codes)

❺ Ground Screw

Three-Wire Direct Wire

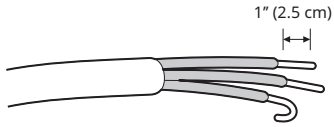
- A 3-wire connection is NOT permitted on new construction after January 1, 1996.



- 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)

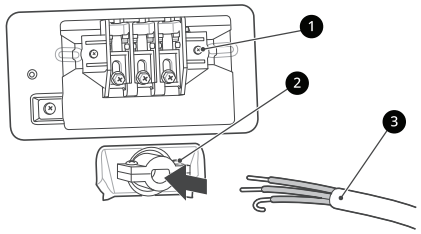
insulation from each wire. Bend the ends of the three wires into a hook shape.



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.



❶ Terminal block

❷ UL-listed strain relief

❸ UL-listed 3-wire power cord

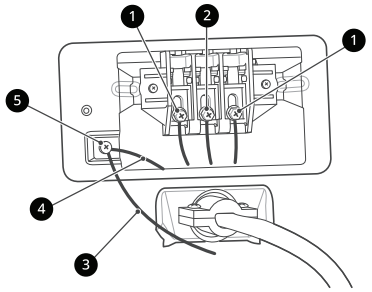
5 Attach the two hot leads (black and red) of the power cord to the outer terminal block screws.

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.



❶ Hot lead (black and red)

❷ Neutral wire (white)

❸ External ground wire (if required by local codes)

❹ Wire from the appliance harness

❺ Ground screw (green)

Connecting the Water Inlet Hose (Steam models)

To generate steam, the dryer must be connected to the cold water tap using a new water supply hose. Do not use old hoses.

⚠ WARNING

- Do not overtighten the hoses or cross-thread the hose fittings. Overtightening or cross-threading can damage the valves or couplings, resulting in leaking and property damage.
- Do not reuse old hoses. Use only new hoses when installing the appliance. Old hoses could leak or burst causing flooding and property damage. Contact an LG Customer Information Center for assistance in buying hoses.

⚠ CAUTION

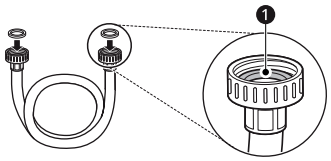
- Periodically check the hoses for cracks, leaks, and wear, and replace the hoses every five years.
- Do not stretch the water hoses intentionally, and make sure that they are not pinched, crushed or kinked by other objects.
- Water supply pressure must be between 20 psi and 120 psi (138 - 827 kPa). If the water supply pressure is more than 120 psi, a pressure reducing valve must be installed.
- Do not store or install the appliance in a location subject to freezing temperatures. Damage to the water inlet hoses and internal mechanisms of the appliance can result. If the appliance was exposed to freezing temperatures prior to installation, allow it to stand at room

temperature for several hours before use and check for leaks prior to operation.

- Do not use flood-preventing hoses with auto shut off devices. The devices can be tripped during fill and prevent the appliance from filling properly.

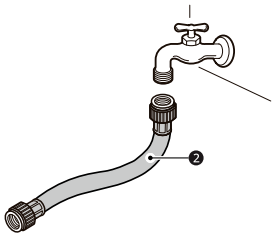
How to Connect the Water Inlet Hoses

1 Check the fittings and seals. Inspect the threaded fitting on each hose and make sure there is a rubber seal ❶ in place in both ends of each hose to prevent leaking.

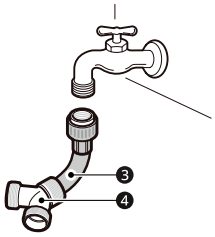


2 Check the type of installation and connect the hose to the faucet. Connect all water supply hoses tightly by hand and then tighten another 2/3 turn with pliers.

- Type 1 : WITHOUT WASHER (The dryer does not share the faucet with the washing machine.)
  1) Connect the straight end of the long hose ❷ to the cold water faucet.



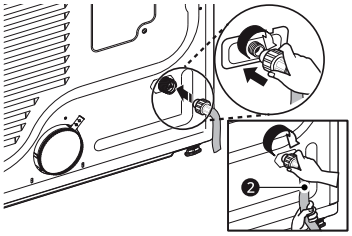
- Type 2 : WITH WASHER (The dryer shares the faucet with the washing machine.)
  1) Shut off the cold water tap and remove the washer inlet hose.
  2) Connect the short hose ❸ to the Y-connector ❹ using one of the rubber seals.
  3) Connect the other end of the short hose ❸ to the cold water faucet.
  4) Connect the long dryer hose ❷ to one side of the Y-connector ❹. Connect the washer hose to the washer and the other side of the Y-connector ❹.



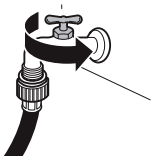
NOTE

- Before connecting the water line to the dryer, flush several gallons of water into a drain or bucket. This will help prevent foreign particles such as sand and scale from clogging the dryer inlet valve.

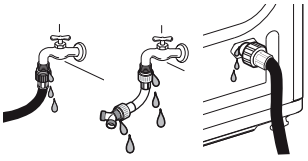
3 Connect the long dryer hose ❷ to the dryer inlet valve tightly by hand and then tighten another 2/3 turn with pliers.



4 Turn on the cold water faucet.



5 Check all hoses and Y-connectors (if used) for leaks.



NOTE

- If any leaks are found, shut off the water faucet, remove the hose and check the condition of the rubber seal.
- In areas with hard water, mineral scale can form on internal components of the dryer. Use of a water softener is recommended in areas with hard water. Excessive scale buildup may lead to the need for replacement or repair of certain parts.

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.

Test Dryer Heating

Gas Models

Close the dryer door and press the **Power** button to turn the dryer on. Press the **Time Dry** or **Timed Dry**(DL*342**) and **Start/Pause** buttons to start the test. When the dryer starts, the igniter should ignite the main burner.

NOTE

- If all air is not purged from the gas line, the gas igniter may turn off before the main burner ignites. If this happens, the igniter will reattempt gas ignition after approximately two minutes.

Electric Models

Close the dryer door and press the **Power** button to turn the dryer on. Press the **Time Dry** or **Timed Dry**(DL*342**) and **Start/Pause** buttons to start the test. The exhaust air should be warm after the dryer has been operating for 3 minutes.

Checking Airflow

Effective dryer operation requires proper airflow. The adequacy of the airflow can be measured by evaluating the static pressure. Static pressure in the exhaust duct can be measured with a manometer, placed on the exhaust duct approximately 2 ft. (60.9 cm) from the dryer. Static pressure in the exhaust duct should not exceed 0.6 inch (1.5 cm). The dryer should be checked while the dryer is running with no load.

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.

Test Exhaust System

Once you have completed the installation of the appliance, use this test to make sure the condition of the exhaust system is adequate for proper operation of the appliance. This test should be performed to alert you to any serious problems in the exhaust system of your home.

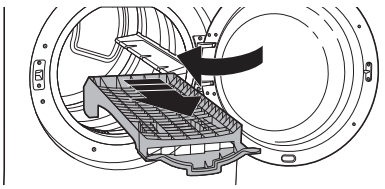
- Your appliance features Flow Sense^{TM}, an innovative sensing system that automatically detects blockages and restrictions in dryer ductwork. Keeping ductwork clean of lint buildup and free of restrictions allows clothes to dry faster and reduces energy use.

NOTE

- The appliance should be cool before starting this test. If the appliance was warmed up during installation, run the **Air Dry** cycle for a few minutes to reduce the interior temperature.
- Before starting the test, please check that the voltage is 240V±6%. If the voltage is less than 225V, a duct clogging error may occur even though the duct is not actually clogged. (electricmodel only)

Activating the Installation Test

1 Remove the drying rack(on some models) and literature, and then close the door.



- Do not load anything in the drum for this test, as it may affect the accuracy of the results.

2 Press and hold the **Signal** and **Temp.** buttons and then press the **Power** button. (DL*X3**** / DL*X4**** / DL*350** / DL*346**)
Press and hold the **Energy Saver** and **Temp.** buttons and then press the **Power** button. (DL*360**)
Press and hold the **Energy Saver** and **Dry Level** buttons and then press the **Power** button. (DL*342**)

- On models with a glass touch control panel, press the **Power** button then IMMEDIATELY press and hold the **Temp.** and **Wrinkle care** buttons.
- This button sequence activates the installation test. The code InS or In will display if the activation is successful.

3 Press the **Start/Pause** button.

- The appliance will start the test, which will last a few minutes. The heat will be turned on and the temperatures in the drum will be measured.

4 Check the display for results.

- During the test cycle, monitor the Flow Sense™ display on the control panel. If the Flow Sense™ LED has not turned on when the cycle ends, the exhaust system is adequate. If the exhaust system is severely restricted, the Flow Sense™ LED will turn on. Other problems may also be shown with error codes. See the chart on the next page for error code details and solutions.
- If the Flow Sense™ LED indicates that the exhaust system is severely restricted, have the system checked immediately, as performance will be poor.
- During the test cycle, monitor the Flow Sense™ display on the control panel. If no bars are displayed, when the cycle ends, the exhaust system is adequate. If the exhaust system is severely restricted, the display will show four bars. Other problems may also be shown with error codes. See the chart on the next page for error code details and solutions. If four bars indicates that the exhaust system is severely restricted, have the system checked immediately, as performance will be poor. (DL*360**)



5 End of cycle.

- At the end of the test cycle, End or 0 will display. The test cycle will end and the appliance will shut off automatically after a short delay.

Check the Duct Condition

If the Flow Sense™ LED is turned on, check the exhaust system for restrictions and damage. Repair or replace the exhaust system as needed.

NOTE

- When the appliance is first installed, this test should be performed to alert you to any existing problems with the exhaust duct in your home. However, since the test performed during normal operation provides more accurate information on the condition of the exhaust duct than the installation test, the results during the two tests may not be the same.
- Do not interrupt the test cycle, as this could result in inaccurate results.
- Even if the LED doesn't light up during the test cycle, some restrictions may still be present in the exhaust system. Refer to the **Venting the Dryer** section of this manual for complete exhaust system and venting requirements.

Error Codes

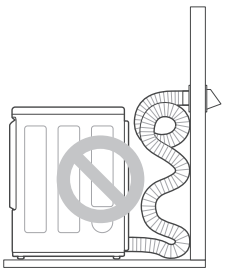
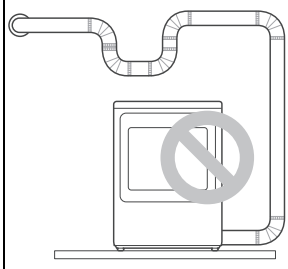
Check the error code before you call for service.

Error Code	Possible Cause & Solution
tE1 or tE2	**Temperature sensor failure.** • Turn off the appliance and call for service.
HS	**Humidity sensor failure.** • Turn off the appliance and call for service.

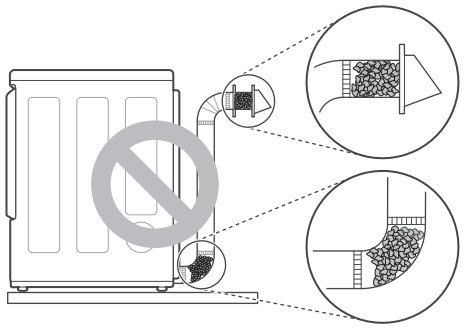
Error Code	Possible Cause & Solution
PS, PF, or nP	**Electric dryer power cord is not connected correctly, or house power supply is incorrect.** • Reset circuit breaker or replace fuse. Do not increase the fuse capacity.
	House fuse is blown, circuit breaker has tripped, or power outage has occurred. • If the problem is a circuit overload, have it corrected by a qualified electrician.
GAS	**Gas supply or service turned off. (Gas model only.)** • Confirm that house gas shutoff and the dryer gas shutoff are both fully open.
LE 1	**Motor harness is disconnected.** • Check the motor harness.
	Motor coil or hall sensor is damaged. • Check the motor.
dE2, dE3, dE4 or dE5	**Drum motor failure.** • Turn off the appliance and call for service.

Restricted or Blocked Airflow

Avoid long runs or runs with multiple elbows or bends.

Excess or crushed transition duct	Too many elbows or exhaust too long
	

Check for blockages and lint buildup.



Make sure the ductwork is not crushed or restricted.

