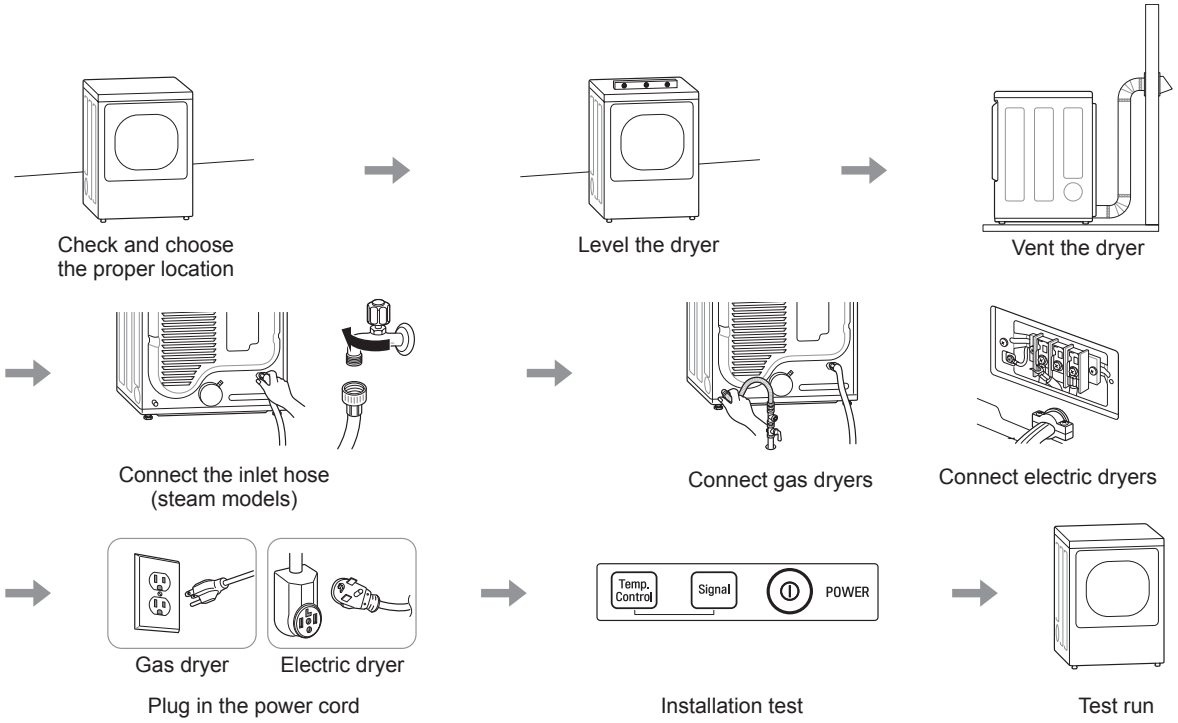
INSTALLATION

Installation Overview

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



Product Specifications

The appearance and specifications listed in this manual may vary due to constant product improvements.

Dryer Models	DLEY1901*E, DLGY1902*E
Electrical requirements	Please refer to the rating label regarding detailed information.
Gas requirements	NG: 4–10.5-inch WC LP: 8–13-inch WC
Max. water pressure	20–120 psi (138–827 kPa)
Dimensions	27” (W) X 28 15/16” (D) X 40 3/16” (H), 50 1/4” (D with door open) 68.6 cm (W) X 73.4 cm (D) X 102 cm (H), 127.5 cm (D with door open)
Net weight	Gas dryer : 136 lb (61.7 kg) –138 lb (62.6 kg) Electric dryer : 133.5 lb (60.6 kg) –134.5 lb (61.0 kg)
Drying capacity - Normal cycle	IEC 7.3 cu.ft. (22.5 lb/10.2 kg)

NOTE

Model numbers can be found on the cabinet inside the door.

Installation Location Requirements

⚠ WARNING

Read all installation instructions completely before installing and operating the dryer! It is important that you review this entire manual before installing and using the dryer. Detailed instructions concerning electrical connections, gas connections, and exhaust requirements are provided on the following pages.

The installation requires:

- A location that allows for proper exhaust installation. A gas dryer must be exhausted to the outdoors. See Venting the Dryer.
- A grounded electrical outlet located within 2 ft. (61 cm) of either side of the dryer. See Connecting Electric Dryers .
- A sturdy floor to support the total dryer weight of 200 lb (90.7 kg). The combined weight of a companion appliance should also be considered.
- No other fuel-burning appliance can be installed in the same closet as a dryer.

Do not operate the dryer at temperatures below 45 °F (7 °C). At lower temperatures, the dryer might not shut off at the end of an automatic cycle. This can result in longer drying times. The dryer must not be installed or stored in an area where it will be exposed to water and/or weather. Check code requirements. Some codes limit, or do not permit, installation of the dryer in garages, closets, mobile homes or sleeping quarters. Contact your local building inspector.

NOTE

- The floor must be level, with a maximum slope of 1 inch (2.5 cm) under the entire dryer.
  Clothes may not tumble properly, and automatic sensor cycles may not operate correctly if dryer is not level.
- For a garage installation, you will need to place the dryer at least 18 inches (46 cm) above the floor. The standard pedestal is 15 inches (38.1 cm). You will need 18 inches (46 cm) from the garage floor to the bottom of the dryer.

Clearances

Installation Spacing for Recessed Area or Closet Installation

The following spacing dimensions are recommended for this dryer. This dryer has been tested for clearances of 1 inch (2.5 cm) on the sides and rear. Recommended clearances should be considered for the following reasons:

- Additional clearances should be considered for ease of installation and servicing.
- Additional clearances might be required for wall, door and floor moldings.
- Additional clearances should be considered on all sides of the dryer to reduce noise transfer.
  For closet installation, with a door, minimum ventilation openings in the top and bottom of the door are required. Louvered doors with equivalent ventilation openings are acceptable.
- Companion appliance spacing should also be considered.

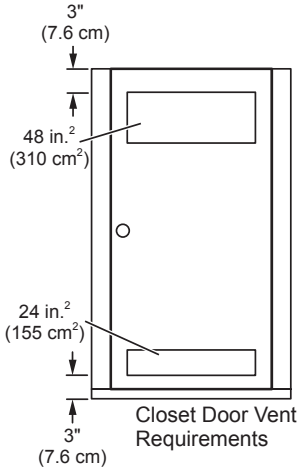
Closet Ventilation Requirements

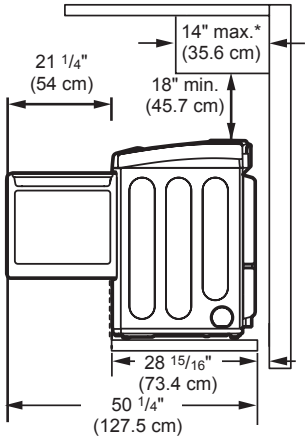
Closets with doors must have both an upper and lower vent to prevent heat and moisture buildup in the closet. One upper vent opening with a minimum opening of 48 sq. in. (310 cm^2) must be installed no lower than 6 feet above the floor. One lower vent opening with a minimum opening of 24 sq. in. (155 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.

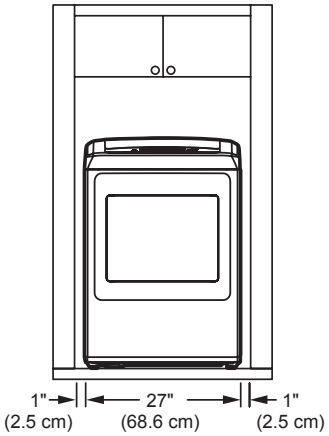
NOTE

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.

Installation Spacing for Recessed Area or Closet





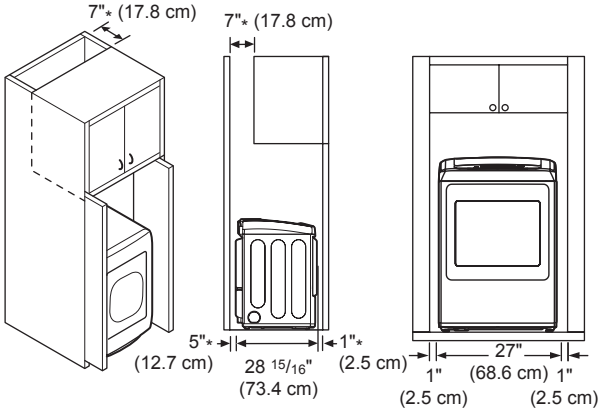


* Required spacing

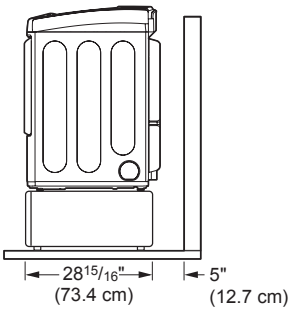
Installation Spacing for Cabinet

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

* Required spacing



Installing on a pedestal



NOTE

Refer to the instructions packaged with the optional pedestal kit before installing with a pedestal kit.

Leveling the Dryer

WARNING

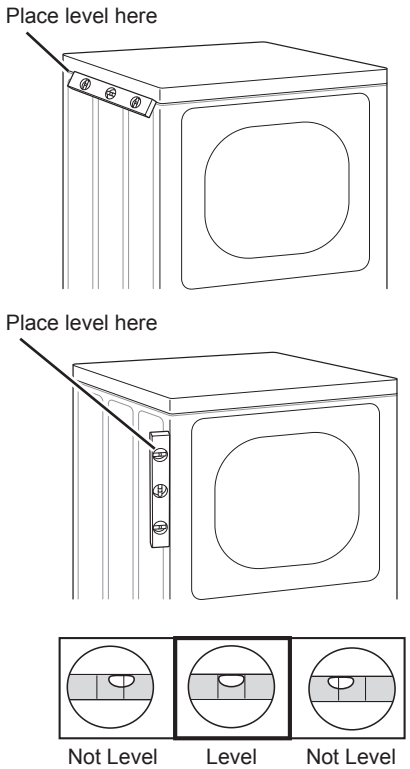
To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses. Failure to follow this warning may result in serious injury or death.

- The appliance is heavy. Two or more people are required when installing the dryer. Failure to follow this warning may result in serious injury or death.
- To ensure that the dryer provides optimal drying performance, it must be level. To minimize vibration, noise, and unwanted movement, the floor must be a perfectly level, solid surface.

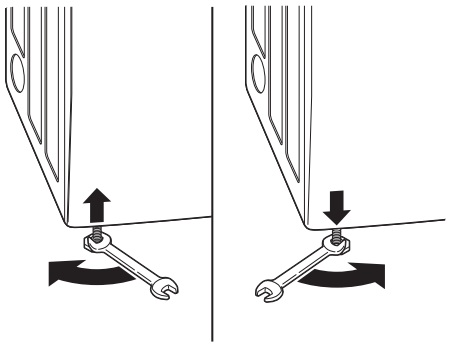
NOTE

Adjust the leveling feet only as far as necessary to level the dryer. Extending the leveling feet more than necessary may cause the dryer to vibrate.

1 Position the dryer in the final location. Check levelness of dryer from side to side. Repeat from front to back.



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



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

Reversing the Door

Tools Required

Phillips or large flat-blade screwdriver (for hinge screws)
Small flat-blade screwdriver (for lifting out parts)

WARNING

The dryer door is very large and heavy.

Failure to follow the instructions below can result in damage to the dryer, property damage or personal injury.

- To avoid damage to the dryer or the door, 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 to prevent damage to the door or the floor.
- Unplug the dryer or turn off power at the main circuit breaker before beginning door reversal.

Door Reversal Instructions

NOTE

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.

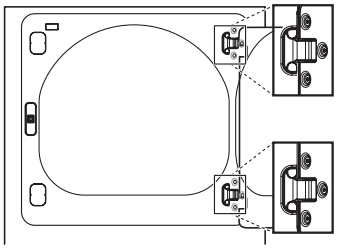
Swing door

1 **Open the door from the side so that the hinge screws are accessible.**

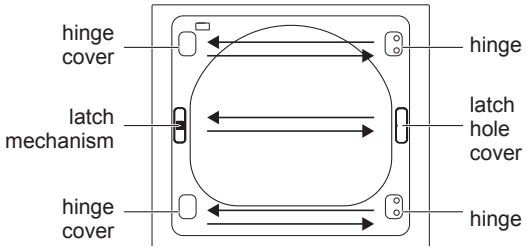
⚠ WARNING

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

2 **Remove the four hinge screws.**
While supporting the door, remove the four hinge screws, two from each hinge. Set the door aside face down on a protected surface to prevent damage to the door or the work surface.



3 **Reverse the components on the cabinet.**

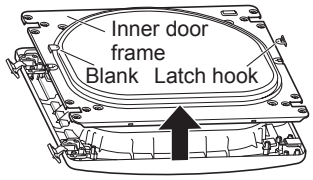


a. Use a Phillips screwdriver to remove the two screws and the latch mechanism on the front panel of the cabinet.

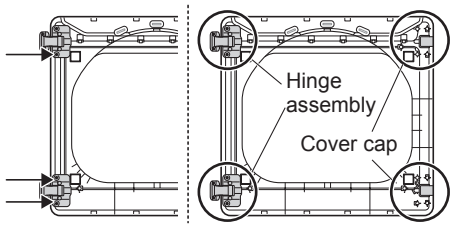
b. Remove the latch hole cover by gently prying it up with a flat blade screwdriver, being careful not to scratch the paint. Install the latch hole cover on the opposite side, where the latch mechanism was removed. Install the latch mechanism in the position from which you removed the latch hole cover, using the two screws removed in step a.

c. Remove the hinge cover by gently prying it up with a flat blade screwdriver, being careful not to scratch the paint. Rotate the hinge cover 180 degrees and install it on the opposite side, where the hinge was attached.

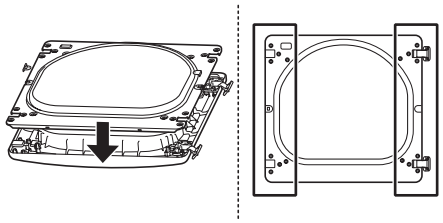
4 With the door on a protected surface, remove the 16 screws on the sides of the door and lift off the inner door frame using a flat blade screwdriver. Remove the latch hook and blank and install them on the opposite side.



5 Remove the 4 screws securing the hinges to the door frame. Remove the two plastic cover caps. Reinstall the hinges and cover caps on the opposite sides from which they were removed.



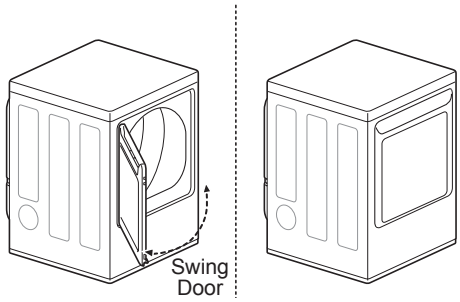
6 With the hinges and cover caps in the new locations, remount the inner door frame onto the outer door frame with the screws removed in step 4 above.



⚠ WARNING

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

7 **Reinstall the door.**
While supporting the door, install the four hinge screws removed in step 2. Test the swing of the door to make sure the hinges and latch are properly aligned and that the door opens, closes and latches properly.



LG EasyLoad™ Door (on some models)

NOTE

The door reversal procedure for the Easy Load door is far more complex than for a conventional swing door. Read through these instructions in their entirety before beginning the process, to judge whether you prefer to have the procedure done by a professional installer or service person.

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.

Tools Required

Phillips or large flat-blade screwdriver (for hinge screws)
Small flat-blade screwdriver (for lifting out parts)

⚠ WARNING

The dryer door is very large and heavy.
Failure to follow the instructions below can result in damage to the dryer, property damage or personal injury.

- To avoid damage to the dryer or the door, 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 to prevent damage to the door or the floor.
- Unplug the dryer or turn off power at the main circuit breaker before beginning door reversal.

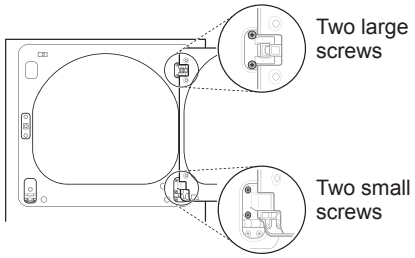
ON THE CABINET :

1 **Open the door from the side so that the hinge screws are accessible.**

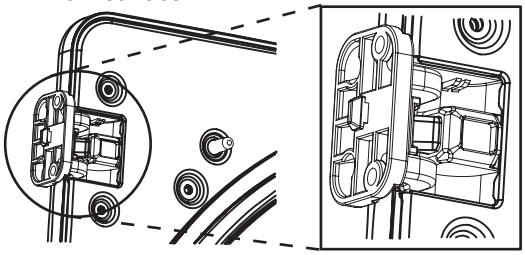
⚠ WARNING

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

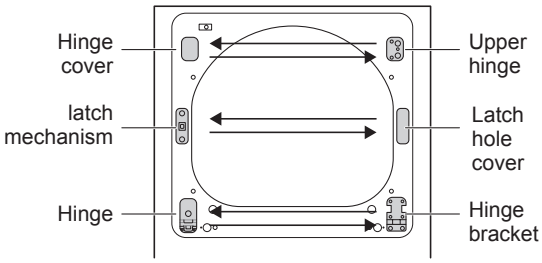
2 **Remove the door from cabinet.**
a. While supporting the door, remove the four hinge screws.



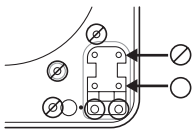
b. Lift the door slightly to disengage the hinge support and remove the door from the cabinet. Set the door aside face down on a protected work surface.



3 **Reverse the components on the cabinet.**

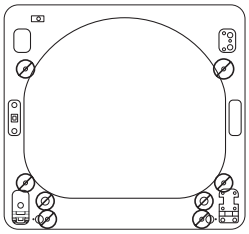


a. Use a Phillips screwdriver to remove the two screws and the latch mechanism on the front panel of the cabinet.
b. Remove the latch hole cover by gently prying it up with a flat blade screwdriver, being careful not to scratch the paint. Install the latch hole cover on the opposite side, where the latch mechanism was removed. Install the latch mechanism in the position from which you removed the latch hole cover, using the two screws removed in step a.
c. Remove the hinge cover by gently prying it up with a flat blade screwdriver, being careful not to scratch the paint. Rotate the hinge cover 180 degrees and install it on the opposite side, where the upper hinge was attached.
d. Reverse the hinge and the hinge bracket at the bottom of the cabinet. Remove the two screws from the hinge bracket at the bottom right and remove the hinge bracket. Remove the lower of the two screws behind the hinge bracket. Do NOT remove the upper screw behind the hinge bracket. Set the parts aside.

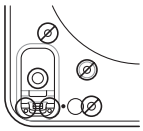


CAUTION

Do NOT remove any of the eight screws on the face of the cabinet (marked below). Doing so could result in damage to the dryer and the need for a service call to repair the dryer.

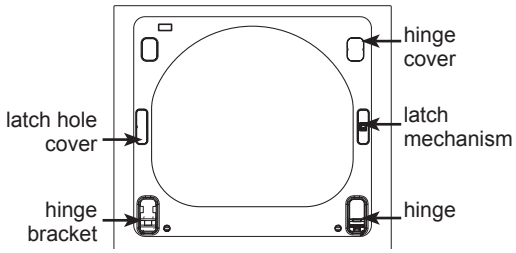


e. Remove the three screws on the hinge at the bottom left. Remove the hinge and reinstall it on the right side. The top screw will occupy the hole where you removed the screw behind the hinge bracket in step d.



f. Install the hinge bracket removed in step d on the bottom left side, first installing one screw behind the hinge bracket.

Cabinet Reversal complete



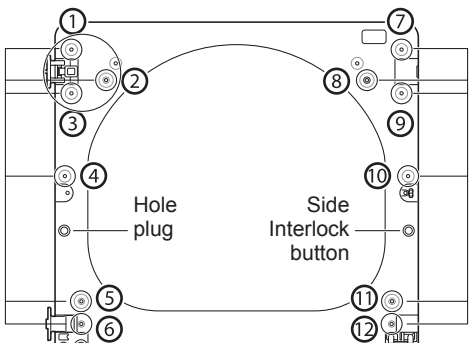
ON THE DOOR:

4 **Lift off the door cover.**
With the door laid inside facing up on a protected surface, remove the twelve screws on the inside of the door. (The two bottom screws will be different from the rest.) Carefully lift off the door cover with the help of a small flat blade screwdriver inserted in the upper left corner.

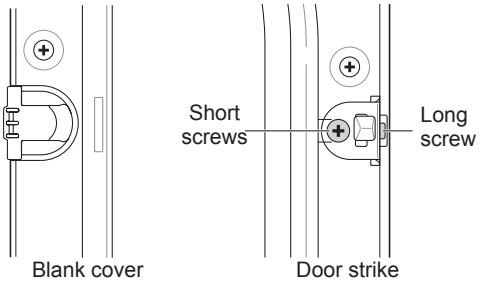
WARNING

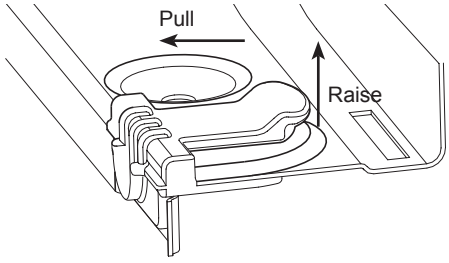
The edges of the door cover may be sharp. Take care when handling, or wear gloves to avoid injury.

Twelve screws



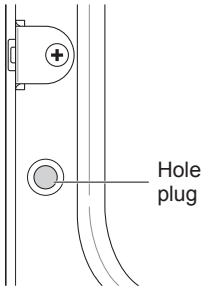
5 **Switch the door strike and the blank cover.**
Remove the two screws on the door cover that secure the door strike.
Switch the door strike and the blank cover, installing them on the opposite sides from which they were removed.
It may be difficult to insert the two screws in the door strike on the opposite side. Use a cordless screwdriver if necessary.





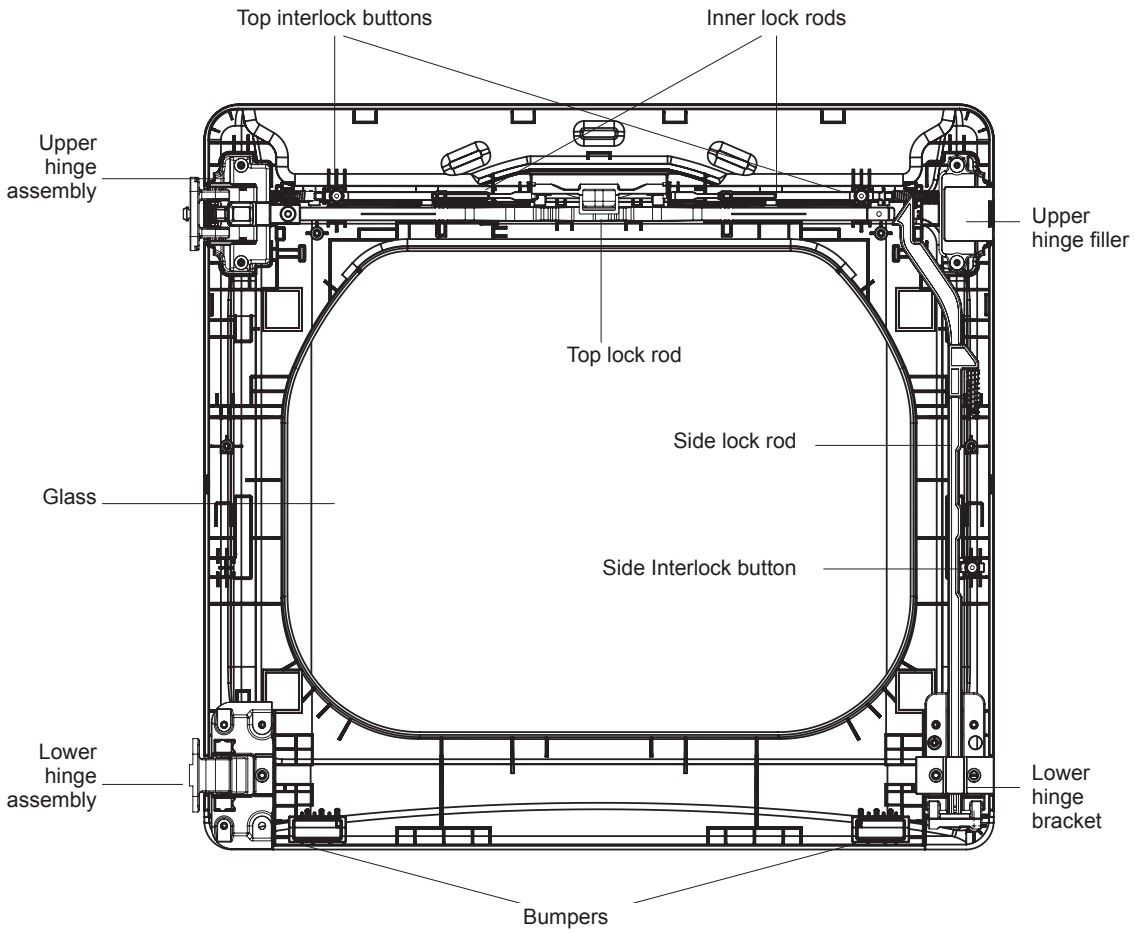
Remove blank cover

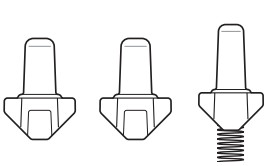
Gently pry out the hole plug on the side of the door cover and install it in the hole on the opposite side.

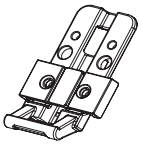


Set the door cover aside.

6 **Reverse the components inside the door.**
You will now be removing and reversing various components inside the door. See below for a detailed diagram and identification of the inner structure and parts of the door. (The diagram shows the “before view” of the door, with the default set-up for a right side hinge swing. After following these instructions, the door should be a mirror image of the illustration.)

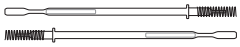


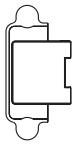

Interlock buttons

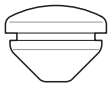

Lower hinge bracket

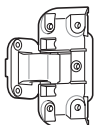

Side lock rod

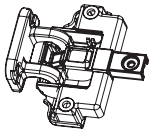

Top lock rod


Inner lock rods

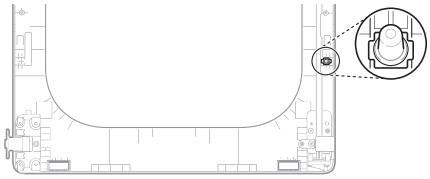

Upper hinge filler


Hole plug

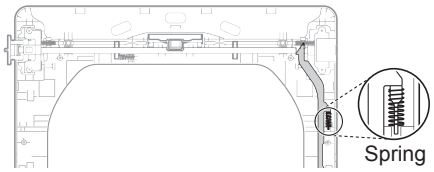

Lower hinge assembly


Upper hinge assembly

7 **Lift out the gray interlock button in the side of the door.**
Make sure to remove the spring with the interlock button and to keep the two together. Set the interlock button aside. Do not confuse this with the interlock buttons from the top of the outer door.

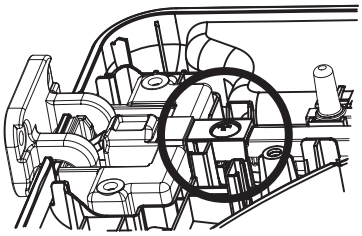


8 **Remove the side lock rod.**
Remove the side lock rod from the lower hinge bracket by lifting the top end of the rod and sliding it toward the top of the door. The spring should remain attached to the lock rod. Set the lock rod aside.

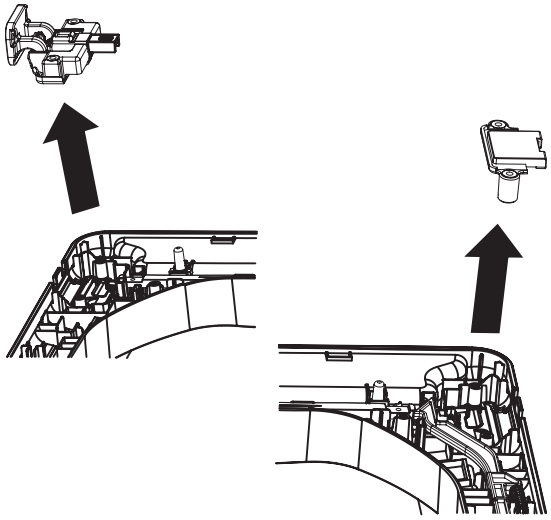


9 **Reverse the upper hinge assembly and hinge filler.**

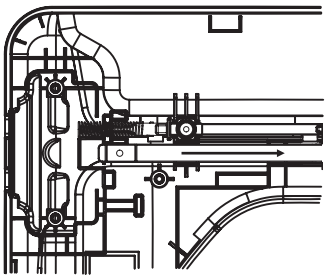
a. Remove the screw connecting the upper hinge assembly to the top lock rod and set it aside.



b. Lift out the upper hinge filler (on the right) and set it aside.

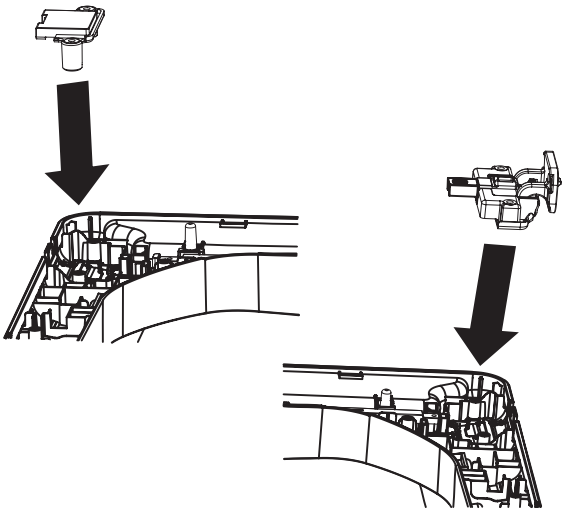


c. Lift out the upper hinge assembly (on the left).

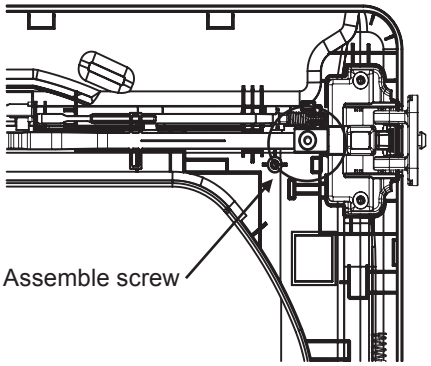


d. Slide the upper lock rod to the right. Rotate the upper hinge assembly 180 degrees, and install it over the lock rod on the right, where you removed the upper hinge filler. Press firmly to fully seat the hinge assembly.

e. Rotate the hinge filler 180 degrees and install it on the upper left side of the door.

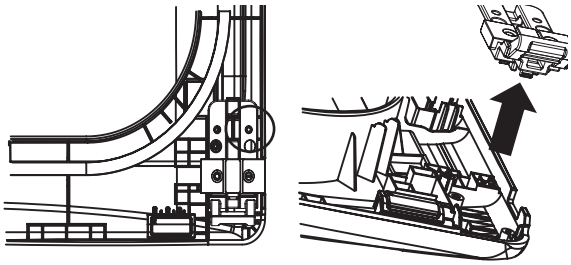


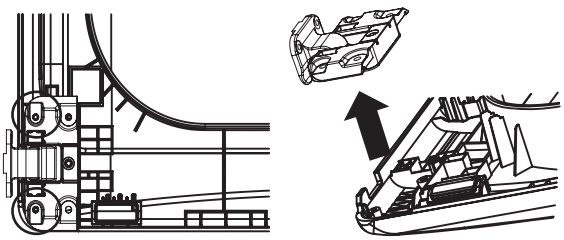
f. Insert and tighten the screw connecting the upper hinge assembly to the top lock rod, removed in step a.



10 **Reverse the lower hinge bracket and hinge assembly.**

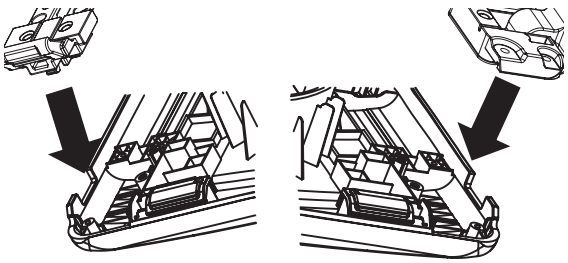
a. Remove one screw from the lower hinge bracket (on the right) and lift it out. Remove two screws from the lower hinge assembly (on the left) and lift it out.

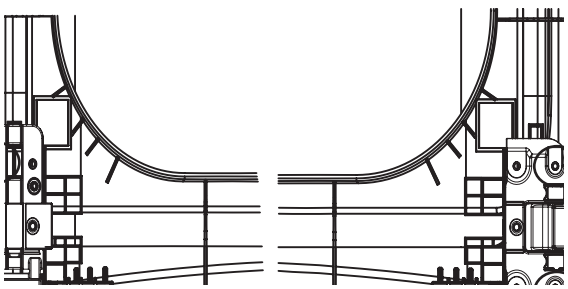




b. Rotate the lower hinge assembly 180 degrees and install it on the right side using the two screws removed in step a.

c. Mount the lower hinge bracket on the lower left with the screw removed in step a.





11 **Install the side lock rod.**

a. Flip the side lock rod over and insert the lower end into the left hinge bracket.

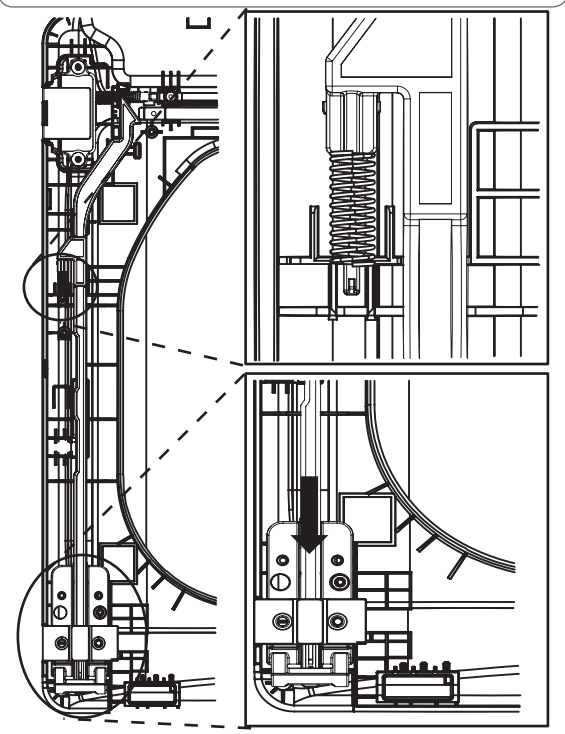
b. Lower the rod into the guides on the door while compressing the spring inside the recess.

NOTE

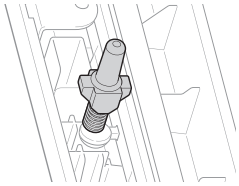
Make sure the top of the side lock rod is beside the top lock rod and the two do not overlap each other. If they are not aligned properly, the door will not operate properly.

NOTE

Make sure the spring stays on the side lock rod.



12 **Reinstall the side interlock button.**
Install the side interlock button on the opposite side from which it was removed.



NOTE

Make sure the spring is on the interlock button and is centered in the compartment.

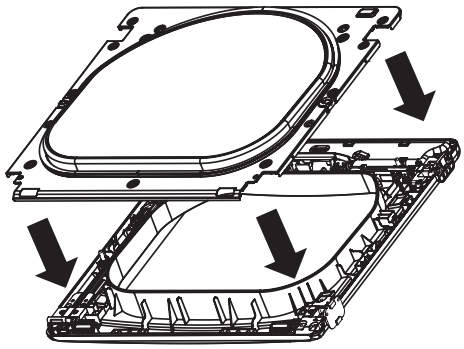
13 **Reinstall the door cover.**

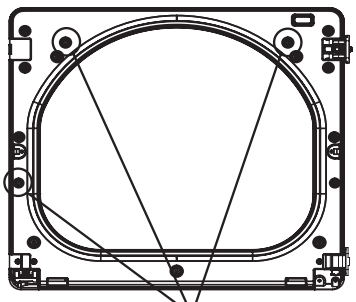
a. Clean the glass on the door and door cover, if necessary.

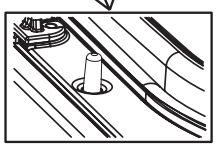
b. Make sure the three gray interlock buttons are properly installed and that the top and side lock rods intersect properly.

c. Carefully lower the door cover into place, aligning the holes in the cover with the three interlock buttons and the bumpers on the bottom edge. You may need to force fit the door cover.

d. Once the door cover is in place, secure it with the 12 screws removed in step 4.

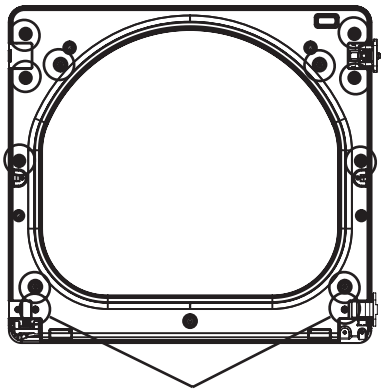






NOTE

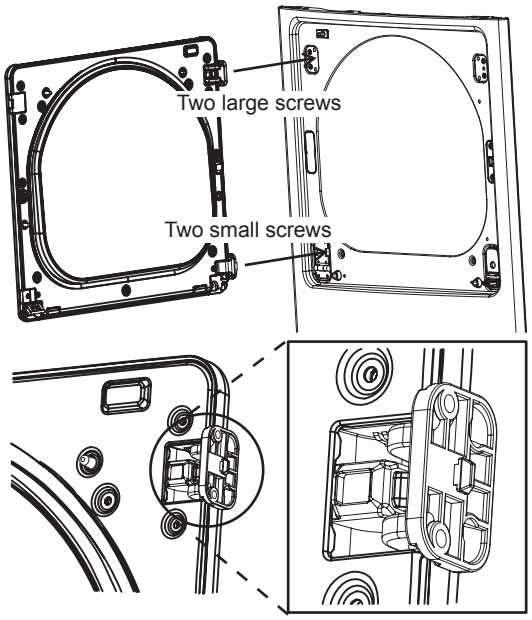
Make sure the three interlock buttons are aligned with the holes in the door cover.



NOTE

Ten similar screws are inserted in the top and sides of the door cover. The two different screws are inserted in the bottom edge.

14 **Reassemble the door on cabinet.**
While supporting the door, insert the hinge support into the slot in the door and slide the door down slightly to seat it. Install the four hinge screws removed in step 2. Test the swing of the door to check the alignment of the hinges and latch. Make sure the door opens, closes, and latches properly in both directions.



NOTE

If the door is damaged, or if the door does not work after reassembly, contact the call center at 1-800-243-0000.

Installing the Side Vent Kit

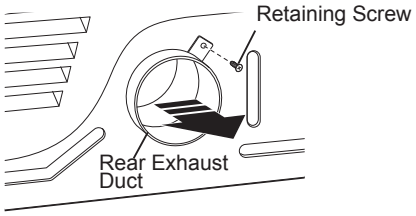
⚠ WARNING

- Use a heavy metal vent.
- Do not use plastic or thin foil ducts.
- Clean old ducts before installing this dryer.
- To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long-sleeved gloves and safety glasses.
- Failure to follow all of the safety warnings in this manual could result in property damage, injury to persons, or death.

The dryer is shipped to vent to the rear. It can also be configured to vent to the bottom or side (right-side venting is not available on gas models).

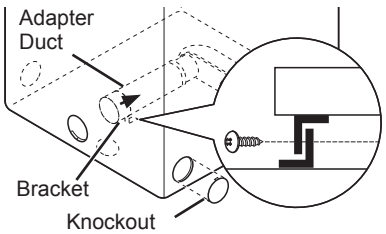
An adapter kit, part number 383EEL9001B, may be purchased from an LG retailer. This kit contains the necessary duct components to change the dryer vent location.

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

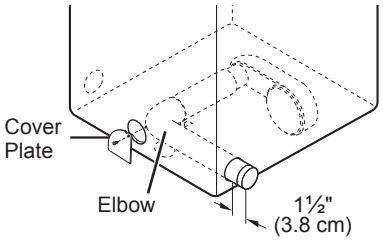


Option 1: Side Venting

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

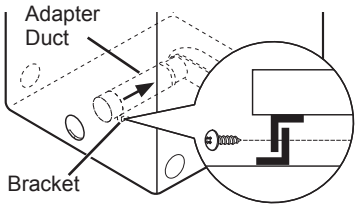


3 Preassemble a 4-inch (10.2 cm) elbow to the next 4-inch (10.2 cm) duct section, and secure all joints with duct tape. Be sure that the male end of the elbow faces AWAY from the dryer. Insert the elbow/duct assembly through the side opening and press it onto the adapter duct. Secure it in place with duct tape. Be sure that the male end of the duct protrudes 1½ inches (3.8 cm) to connect the remaining ductwork. Attach the cover plate to the back of the dryer with the included screw.

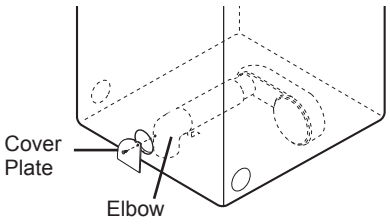


Option 2: Bottom Venting

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



3 Insert the 4-inch (10.2 cm) elbow 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 to the back of the dryer with the included screw.



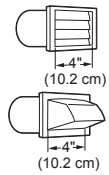
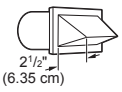
Venting the Dryer

⚠ WARNING

To reduce the risk of fire or explosion, electric shock, property damage, injury to persons or death when using this appliance, follow basic safety precautions, including the following:

- **Do not crush or collapse ductwork.** Failure to follow these instructions may result in fire or death.
- **Do not allow ductwork to rest on or contact sharp objects.** Failure to follow these instructions may result in fire or death.
- **If connecting to existing ductwork, make sure it is suitable and clean before installing the dryer.** Failure to follow these instructions may result in fire or death.
- **Venting must conform to local building codes.** Failure to follow these instructions may result in fire or death.
- **Gas dryers MUST exhaust to the outdoors.** Failure to follow these instructions may result in fire or death.
- **Use only 4-inch (10.2 cm) rigid, semi-rigid or flexible metal ductwork inside the dryer cabinet and for venting outside.** Failure to follow these instructions may result in fire or death.
- **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.** Failure to follow these instructions may result in fire or death.
- **To reduce the risk of fire, DO NOT exhaust the dryer with plastic or thin foil ducting.** Failure to follow these instructions may result in fire or death.
- **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 your new dryer.** Failure to follow these instructions may result in fire or death.
- **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.** Failure to follow these instructions may result in fire or death.
- **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.** Failure to follow these instructions may result in fire or death.
- **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.
- **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.** Failure to follow these instructions may result in fire or death.
- **The total length of flexible metal duct must not exceed 8 ft. (2.4 m).**
- **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.

Ductwork

Wall Cap Type	Number of 90° Elbows	Maximum length of 4-inch (10.2 cm) diameter rigid metal duct
Recommended 	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 only for short run installations 	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 four 90° elbows.

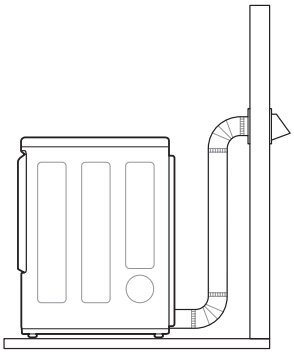
Routing And Connecting Ductwork

NOTE

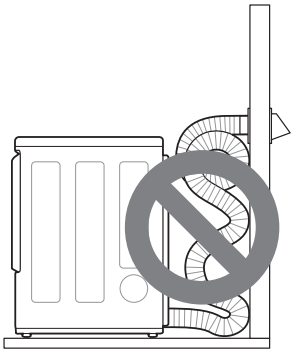
Follow the guidelines below to maximize drying performance and reduce lint buildup and condensation in the ductwork. Ductwork and fittings are NOT included and must be purchased separately.

- 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



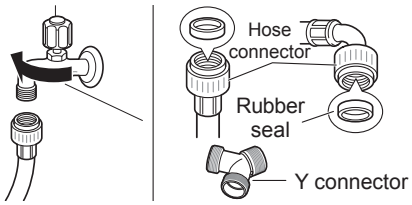
Connecting the Inlet Hose (Steam Models)

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

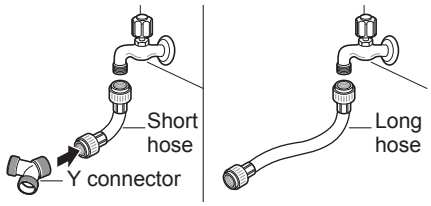
NOTE

- Water supply pressure must be between 20 and 120 psi (138—827 kPa) .
- Do not strip or cross-thread when connecting the inlet hose to the valve.
- If the water supply pressure is more than 800 kPa, a pressure-reducing valve should be installed.
- Periodically check the condition of the hose and replace the hose if necessary.
- Replace inlet hoses after 5 years of use to reduce the risk of hose failure.
- Record hose installation or replacement dates on the hoses for future reference.

1 Check the rubber seal at each end of the inlet hoses. Two rubber seals are supplied with each inlet hose. They are used for preventing water leaks. Make sure the connection to the cold water tap is tight.



2 Check the installation type.



WITH WASHER WITHOUT WASHER

Connect all water supply hoses tightly by hand and then tighten another 2/3 turn with pliers.

WITH WASHER: When connecting the dryer to the same faucet as a washer.

a. Shut off the cold water tap and remove the washer hose.

b. Connect the short hose to the Y-connector using one of the rubber seals.

c. Connect the other end of the short hose to the cold water faucet.

d. Connect the long dryer hose to one side of the Y-connector and connect the washer hose to the other side.

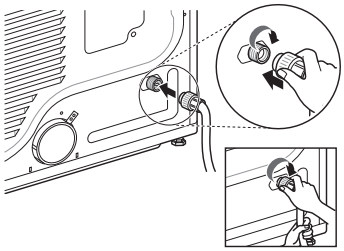
WITHOUT WASHER: If the dryer does not share the cold water tap with a washer.

a. Connect the straight end of the long hose to the cold water faucet.

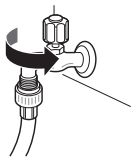
NOTE

- 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.
- Do not overtighten. Damage to the coupling may result.

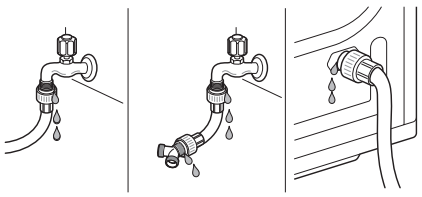
3 Connect the hose to the dryer. Connect the water supply hose to the dryer inlet valve tightly by hand and then tighten another 2/3 turn with pliers.
Make sure that there are no kinks in the hoses and that they are not crushed.



4 Turn on the cold water faucet.



5 Check for leaks at the Y-connector (if used) and in all hoses.



NOTE

- If any leaks are found, shut off the water faucet, remove the hose and check the condition of the rubber seal.

Connecting Gas Dryers

⚠ WARNING

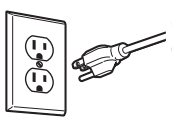
To reduce the risk of fire or explosion, electric shock, property damage, injury to persons, or death when using this appliance, follow basic safety precautions.

Gas Supply Requirements

- **As shipped from the factory, this dryer is configured for use with natural gas (NG). It can be converted for use with propane (LP) gas. Gas pressure must not exceed 8 inches (20.3 cm) of water column for NG, or 13 inches (33 cm) of water column for LP.**
- **A qualified service or gas company technician must connect the dryer to the gas service. Failure to follow these instructions may result in fire, explosion, or death.**
- **Isolate the dryer from the gas supply system by closing its individual manual shutoff valve during any pressure testing of the gas supply.** Failure to do so may result in fire, explosion, or death.
- **Supply line requirements: Your laundry room must have a rigid gas supply line to the 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 (0.3 cm) NPT pipe plug must be installed.** Failure to do so may result in fire, explosion, or death.
- **If using a rigid pipe, the rigid pipe should be ½ inch IPS. If acceptable under local codes and ordinances and when acceptable to your gas supplier, 3/8-inch (1 cm) 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).** Failure to do so may result in fire, explosion, or death.
- **Connect the dryer to the type of gas shown on the nameplate.** Failure to do so may result in fire, explosion, or death.
- **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.** Failure to do so may result in fire, explosion, or death.
- **DO NOT use an open flame to inspect for gas leaks. Use a noncorrosive leak detection fluid.** Failure to do so may result in fire, explosion, or death.
- **Use only a new AGA- or CSA-certified gas supply line with flexible stainless steel connectors.** Failure to do so may result in fire, explosion, or death.
- **Securely tighten all gas connections.** Failure to do so may result in fire, explosion, or death.
- **Use Teflon tape or a pipe-joint compound that is insoluble in propane (LP) gas on all pipe threads.** Failure to do so may result in fire, explosion, or death.
- **DO NOT attempt any disassembly of the dryer; disassembly requires the attention and tools of an authorized and qualified service technician or company.** Failure to follow this warning may result in fire, explosion, or death.

Electrical Requirements for Gas Models Only

- **Do not, under any circumstances, cut or remove the third (ground) prong from the power cord.** Failure to follow this warning may result in fire, explosion, or death.
- **For personal safety, this dryer must be properly grounded.** Failure to follow this warning may result in fire, explosion, or death.
- **This dryer must be plugged into a 120-VAC, 60-Hz. grounded outlet protected by a 15-ampere fuse or circuit breaker.** Failure to follow this warning may result in fire, explosion, or death.
- **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.** Failure to follow this warning may result in fire, explosion, or death.



Plug dryer into a **120 VAC**, **60 Hz** grounded 3-prong outlet.

⚠ WARNING

ELECTRIC SHOCK HAZARD

Failure to follow safety warnings could result in serious injury or death.

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

Connecting the Gas Supply

- **Installation and service must be performed by a qualified installer, service agency, or the gas supplier.** Failure to do so may result in fire, explosion, or death.
- **Use only a new stainless steel flexible connector and a new AGA-certified connector.** Failure to do so may result in fire, explosion, or death.
- **A gas shutoff valve must be installed within 6 ft. (1.8 m) of the dryer.** Failure to do so may result in fire, explosion, or death.
- **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).** Failure to do so may result in fire, explosion, or death.
- **If necessary, the correct nozzle (for the LP nozzle kit, order part number 383EEL3002D) should be installed by a qualified technician and the change should be noted on the dryer.** Failure to do so may result in fire, explosion, or death.
- **All connections must be in accordance with local codes and regulations.** Failure to do so may result in fire, explosion, or death.
- **Gas dryers MUST exhaust to the outdoors.** Failure to do so may result in fire, explosion, or death.

NOTE

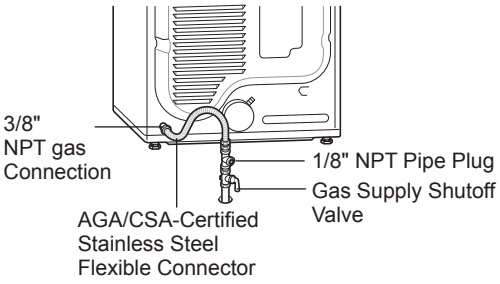
This dryer is configured from the factory for natural gas (NG). If the dryer is to be used with propane (LP) gas, it must be converted by a qualified service technician.

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.

NOTE

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.



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

Electrical Requirements for Electric Models Only

⚠ WARNING

To help prevent fire, electric shock, serious injury, or death, 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.** Failure to do so may result in fire, explosion, or death.
- **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.** Failure to follow these instructions may result in fire, explosion, or death.
- **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.** Failure to do so may result in fire, explosion, or death.
- **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.** Failure to follow these instructions may result in fire, explosion, or death.
- **A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996. A 4-wire connection must be used where local codes do not permit grounding through the neutral wire.** Failure to do so may result in fire, explosion, or death.
- 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.

Special Electrical Requirements for Mobile or Manufactured Homes

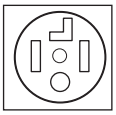
- Any installation in a manufactured or mobile home must comply with the Manufactured Home Construction and Safety Standards Title 24 CFR, Part 3280 or Standard CAN/ CSA Z240 MH and local codes and ordinances. If you are uncertain whether your proposed installation will comply with these standards, please 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.** Failure to do so may result in fire, explosion, or death.
- A gas dryer must be permanently attached to the floor.
- The electrical connection for an electric dryer must be a 4-wire connection. More detailed information concerning the electrical connection is provided in the Connecting Electric Dryers section.
- 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.
- Gas dryers may be vented to the outside using the back, left, or bottom panel. Gas dryers may not be vented to the outside using the right side panel because of the burner housing.
- The dryer exhaust duct must be affixed securely to the manufactured or mobile home structure, and the exhaust duct must be made of a material that will resist fire and combustion. It is recommended that you use a rigid, semi-rigid or flexible metal duct.
- DO NOT connect the dryer exhaust duct to any other duct, vent, chimney, or other exhaust duct.
- 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).
- It is important that the clearance of the duct from any combustible construction be at least 2 inches (5 cm), and when venting the dryer to the outdoors, the dryer should be installed with a clearance of at least 1 inch (2.5 cm) at the sides and back of the dryer.
- Venting materials are not supplied with the dryer. You must obtain the venting materials necessary for proper installation.

WARNING

Connect the power cord to the terminal block. Connect each wire in the power cord to the terminal block screw with the matching colored wire. The terminal block wire colors are indicated in the manual. Failure to follow these instructions may result in a short or overload.

Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor.

Four-Wire Power Cord

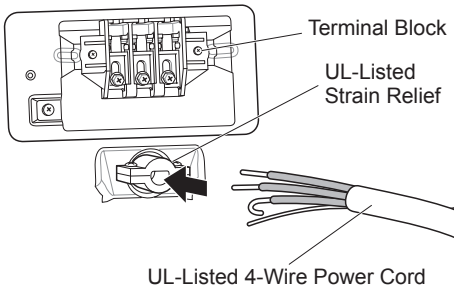


- A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996.
- A UL-listed strain relief is required.
- Use a 30-amp, 240-volt, 4-wire, UL-listed power cord with #10 AWG-minimum copper conductor and closed loop or forked terminals with upturned ends.

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

2 Install a 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.



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

NOTE

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.

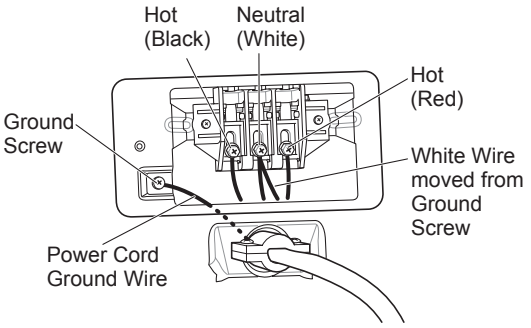
5 Attach the two hot leads of the power cord to the outer terminal block screws.

6 Attach the white neutral 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.

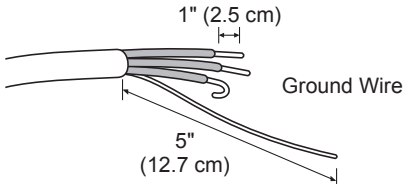


Four-Wire Direct Wire



- A 4-wire connection is required for all mobile and manufactured home installations, as well as all new construction after January 1, 1996.
- 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.

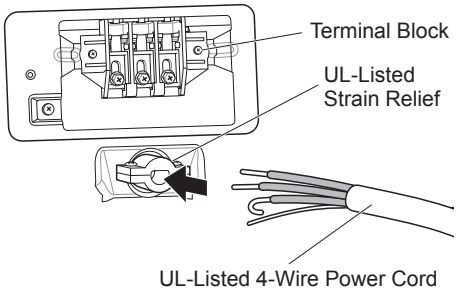
1 Remove 5 inches (12.7 cm) of the outer covering from the wire. Remove 5 inches (12.7 cm) of insulation from the ground wire. Cut off approximately 1½ inches (3.8 cm) from the other three wires and strip 1 inch (2.5 cm) of insulation from each wire. Bend the ends of the three shorter wires into a hook shape.



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

3 Install a 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.



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

NOTE

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.

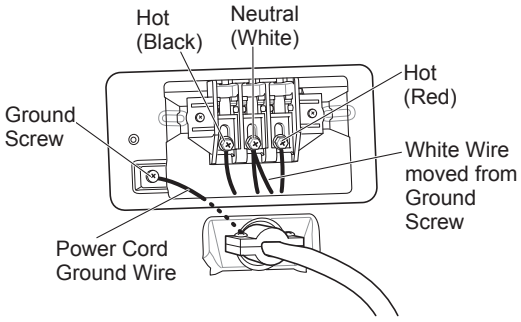
6 Attach the two hot leads of the power cord to the outer terminal block screws.

7 Attach the white neutral 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.



⚠ WARNING

Connect the power cord to the terminal block. Connect each wire in the power cord to the terminal block screw with the matching colored wire. The terminal block wire colors are indicated in the manual. Failure to follow these instructions may result in a short or overload.

Grounding through the neutral conductor is prohibited for: (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor.

Three-Wire Power Cord

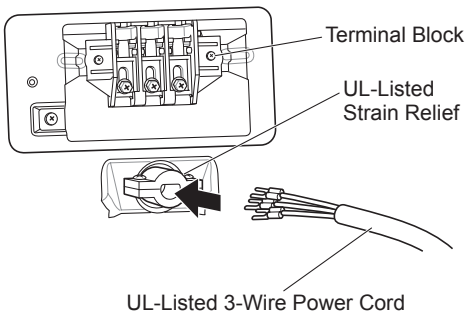


- A 3-wire connection is NOT permitted on new construction after January 1, 1996.
- A UL-listed strain relief is required.
- Use a 30-amp, 240-volt, 3-wire, UL-listed power cord with #10 AWG-minimum copper conductor and closed loop or forked terminals with upturned ends.

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

2 Install a 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.



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.

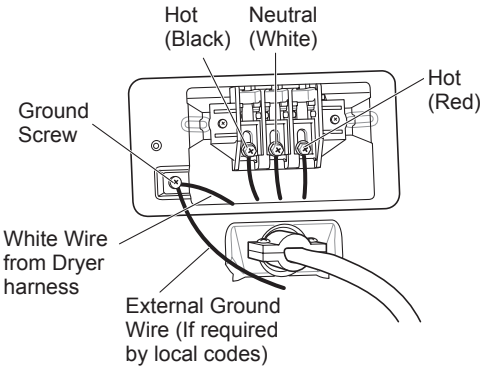
NOTE

The dryer is supplied with the neutral conductor grounded. If a 3-wire cord is to be used and is allowed, make sure the white neutral grounding wire is connected to the green ground 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.

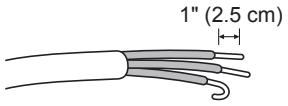


Three-Wire Direct Wire



- 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.

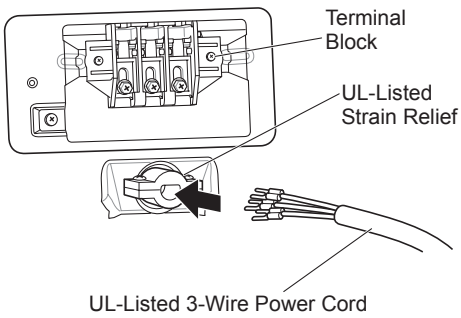
1 Remove 3½-inch (8.9 cm) of the outer covering from the wire. Strip 1 inch (2.5 cm) insulation from each wire. Bend the ends of the three wires into a hook shape.



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

3 Install a 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.



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.

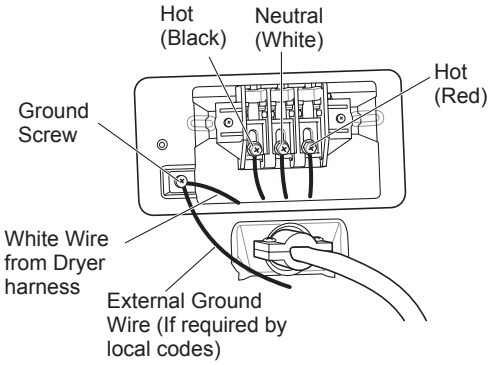
NOTE

The dryer is supplied with the neutral conductor grounded. If a 3-wire cord is to be used and is allowed, make sure the white neutral grounding wire is connected to the green ground 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.



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 and the Installation Test (Duct Check) on the following page.

Testing Dryer Heating

GAS MODELS

Close the dryer door, press the **POWER** button to turn the dryer on, and start the dryer on a heat setting. When the dryer starts, the igniter should ignite the main burner.

ELECTRIC MODELS

Close the dryer door, press the **POWER** button to turn the dryer on, and start the dryer on a heat setting. 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 firmly on the floor.

Checking Venting

Vent ductwork should be checked for lint buildup and cleaned at least once per year. If any noticeable reduction in drying performance occurs, check duct for obstructions and blockages.

Installation Test (Duct Check)

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

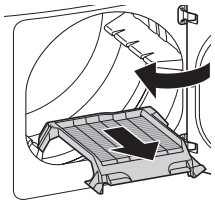
- This dryer features Flow Sense™, an innovative sensing system that automatically detects blockages and restrictions in dryer ductwork. Keeping ductwork clean of lint buildup and free of restrictions allows clothes to dry faster and reduces energy use.

NOTE

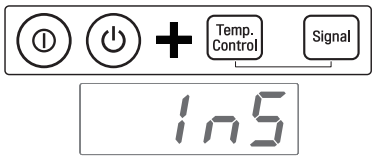
The dryer should be cool before starting this test. If the dryer was warmed up during installation, run the AIR DRY cycle for a few minutes to reduce the interior temperature.

To activate the installation test:

1 **Remove the drying rack and literature, and then close the door.**
Do not load anything in the drum for this test, as in may affect the accuracy of the results.



2 Press and hold the POWER, Temp., and Signal buttons until `InS` and a usage count alternate in the display. (The usage count indicates the number of cycles run with no load during the last 5 cycles.)



3 **Press the START/PAUSE button.**
The dryer will start the test, which will last about 2 minutes. The heat will be turned on and the temperatures in the drum will be measured and displayed. A chime sounds when the test portion of the cycle is complete.



4 **Check the display for results.**
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 below for error code details and solutions.



NO BARS: OK



FOUR BARS: RESTRICTED

Four bars indicates that the exhaust system is severely restricted. Have the system checked immediately, as performance will be poor.

5 **End of cycle.**
At the end of the test cycle, `End` will display. The test cycle will end and the dryer will shut off automatically after a short delay.



- **Check the error code before you call for service**

Error Code	Possible Causes	Solutions
tE1 or tE2	• Temperature sensor failure.	• Turn off the dryer and call for service.
HS	• Humidity sensor failure.	• Turn off the dryer and call for service.
PS or PF or nP	• Electric dryer power cord is not connected correctly, or house power supply is incorrect.	• Check the power supply or the connection of the power cord to the terminal block. Refer to the **Connecting Electric Dryers** section of this manual for complete instructions.
	• House fuse is blown, circuit breaker has tripped, or power outage has occurred.	• Reset circuit breaker or replace fuse. Do not increase the fuse capacity. 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.

- **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

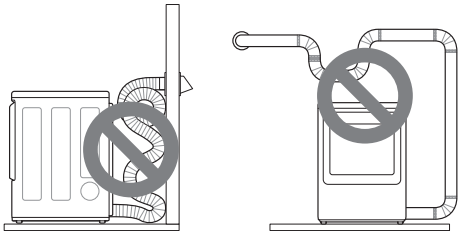
When the dryer is first installed, this test should be performed to alert you to any existing problems with the exhaust duct in your home. However, since the test performed during normal operation provides more accurate information on the condition of the exhaust duct than does the installation test, the number of bars displayed during the two tests may not be the same.

Do not interrupt the test cycle, as this could result in inaccurate results.

Even if no bars are displayed 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.

Restricted or Blocked Airflow

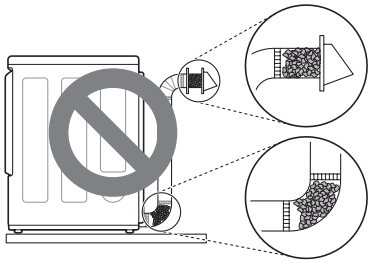
Avoid long runs or runs with multiple elbows or bends.



Excess or crushed transition duct

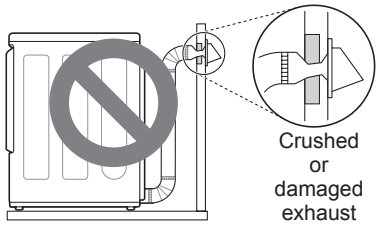
Too many elbows or exhaust too long

Check for blockages and lint buildup.



Lint buildup or blockage

Make sure the ductwork is not crushed or restricted.



Crushed or damaged exhaust