29 IN. (73.7 CM) GAS DRYER INSTALLATION INSTRUCTIONS

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DRYER SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word “DANGER” or “WARNING.” These words mean:

⚠ DANGER — **You can be killed or seriously injured if you don't immediately follow instructions.**

⚠ WARNING — **You can be killed or seriously injured if you don't follow instructions.**

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

When discarding or storing your old clothes dryer, remove the door.

SAVE THESE INSTRUCTIONS

WARNING: For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, or to prevent property damage, personal injury, or death.

– Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

– WHAT TO DO IF YOU SMELL GAS:

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Clear the room, building, or area of all occupants.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

– Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

In the State of Massachusetts, the following installation instructions apply:

- Installations and repairs must be performed by a qualified or licensed contractor, plumber, or gasfitter qualified or licensed by the State of Massachusetts.
- If using a ball valve, it shall be a T-handle type.
- A flexible gas connector, when used, must not exceed 3 feet.

INSTALLATION INSTRUCTIONS

Tools and Parts

Check that you have everything necessary for correct installation. Proper installation is your responsibility.

- 8 in. or 10 in. pipe wrench
- 8 in. or 10 in. adjustable wrench (for gas connections)
- Flat-blade screwdriver
- Adjustable wrench that opens to 1 in. (2.5 cm) or hex-head socket wrench (for adjusting dryer feet)
- Level
- ¼ in. nut driver or socket wrench
- Knife
- Safety glasses
- Vent clamps
- Pipe-joint compound resistant to L.P. gas
- Caulking gun and compound (for installing new exhaust vent)
- Gloves
- Pliers

Parts supplied:

Remove parts package from dryer drum. Check that all parts were included.

4 leveling legs

Parts needed:

Check local codes and with gas supplier. Check existing gas supply, electrical supply and venting, and read “Electrical Requirements,” “Gas Supply Requirements” and “Venting Requirements” before purchasing parts.

Mobile home installations require special parts (listed following) that may be ordered by calling the dealer from whom you purchased your dryer. For further information, please reference the front page of your “Dryer User Instructions.”

- Mobile home installation kit. Ask for Part Number 346764.
- Metal exhaust system hardware.

Location Requirements

⚠ WARNING

Explosion Hazard

Keep flammable materials and vapors, such as gasoline, away from dryer.

Place dryer at least 18 inches (46 cm) above the floor for a garage installation.

Failure to do so can result in death, explosion, or fire.

You will need

- A location that allows for proper exhaust installation. A gas dryer must be exhausted to the outdoors. See “Venting Requirements.”
- A grounded electrical outlet located within 2 ft (61 cm) of either side of the dryer. See “Electrical Requirements.”
- A sturdy floor to support the dryer with a total weight (dryer and load) of 200 lbs (90.7 kgs). The combined weight of a companion appliance should also be considered.
- A level floor with a maximum slope of 1 in. (2.5 cm) under entire dryer. (If slope is greater than 1 in. [2.5 cm], install Extended Dryer Feet Kit, Part Number 279810.) Clothes may not tumble properly and dryers with automatic sensor cycles may not operate correctly if dryer is not level.

Do not operate your dryer at temperatures below 45ºF (7ºC). At lower temperatures, the dryer might not shut off at the end of an automatic cycle. Drying times can be extended.

The dryer must not be installed or stored in an area where it will be exposed to water and/or weather.

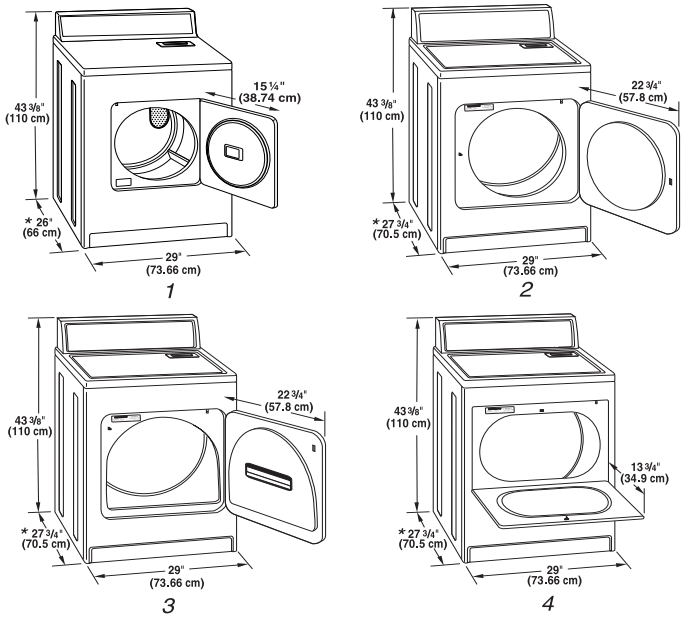
Check code requirements. Some codes limit, or do not permit, installation of the dryer in garages, closets, mobile homes, or sleeping quarters. Contact your local building inspector.

NOTE: No other fuel-burning appliance can be installed in the same closet as a dryer.

Installation Clearances

The location must be large enough to allow the dryer door to open fully.

Dryer Dimensions



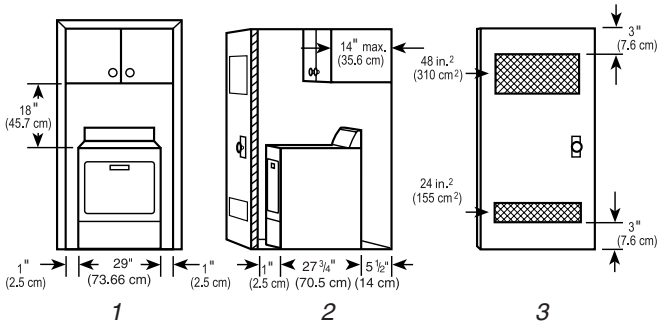
1. Small Opening Side-Swing Door
2. Large Opening Side-Swing Door
3. Wide Opening Side-Swing Door
4. Wide Opening Hamper Door

*Most installations require a minimum 5½ in. (14 cm) clearance behind the dryer for the exhaust vent with elbow. See "Venting Requirements."

Minimum installation spacing for recessed area or closet installation

The dimensions shown following are for the minimum spacing allowed.

- Additional spacing should be considered for ease of installation and servicing.
- Additional clearances might be required for wall, door and floor moldings.
- Additional spacing of 1 in. (2.5 cm) on all sides of the dryer is recommended 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.



1. Recessed area
2. Side view - closet or confined area
3. Closet door with vents

Mobile Home - Additional Installation Requirements

This dryer is suitable for mobile home installations. The installation must conform to the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD Part 280).

Mobile home installations require:

- Metal exhaust system hardware which is available for purchase from your dealer.
- Mobile Home Installation Kit Part Number 346764, see "Tools and Parts" section for ordering information.
- Special provisions must be made in mobile homes to introduce outside air into the dryer. The opening (such as a nearby window) should be at least twice as large as the dryer exhaust opening.

Electrical Requirements

⚠WARNING

Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

- 120-Volt, 60-Hz., AC-only, 15- or 20-amp fused electrical supply is required. (Time-delay fuse or circuit breaker is recommended.) It is recommended that a separate circuit serving only this dryer be provided.

IMPORTANT: The dryer must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70.

GROUNDING INSTRUCTIONS

■ For a grounded, cord-connected dryer:
This dryer must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This dryer is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING: Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative or personnel if you are in doubt as to whether the dryer is properly grounded. Do not modify the plug provided with the dryer: if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

SAVE THESE INSTRUCTIONS

Gas Supply Requirements

⚠WARNING

Explosion Hazard

Use a new AGA or CSA approved gas supply line.

Install a shut-off valve.

Securely tighten all gas connections.

If connected to LP, have a qualified person make sure gas pressure does not exceed 13" (33 cm) water column.

Examples of a qualified person include:

licensed heating personnel,
authorized gas company personnel, and
authorized service personnel.

Failure to do so can result in death, explosion, or fire.

Gas Type

Natural Gas:

This dryer is equipped for use with NATURAL GAS. It is design-certified by CSA International for L.P. (propane or butane) gases with appropriate conversion.

- Your dryer must have the correct burner for the type of gas in your home. Burner information is located on the rating plate in the door well of your dryer. If this information does not agree with the type of gas available, contact your dealer or call the phone numbers referenced on the front page of your "Dryer User Instructions."

L.P. gas conversion:

Conversion must be made by a qualified technician.

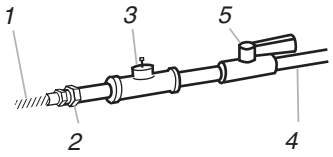
No attempt shall be made to convert the appliance from the gas specified on the model/serial rating plate for use with a different gas without consulting the serving gas supplier.

IMPORTANT: The gas installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54.

Gas Supply Line:

- ½ in. IPS pipe is recommended.
- ⅜ in. approved tubing is acceptable for lengths under 20 ft (6.1 m) if local codes and gas supplier permit.
- Must include ⅛ in. NPT plugged tapping accessible for test gauge connection, immediately upstream of the gas connection to the dryer (see illustration).
- Must include a shutoff valve:

  An individual manual shutoff valve must be installed within six (6) feet (1.8 m) of the dryer in accordance with the National Fuel Gas Code, ANSI Z223.1. The location should be easy to reach for opening and closing.



1. ⅜ in. flexible gas connector
2. ⅜ in. pipe to flare adapter fitting
3. ⅛ in. NPT plugged tapping
4. ½ in. NPT gas supply line
5. Gas shutoff valve

Gas supply connection requirements

There are many methods by which your gas dryer can be connected to the gas supply. Listed here are some guidelines for two different methods of connection.

Option 1 (Recommended Method)

Flexible stainless steel gas connector:

- If local codes permit, use a new flexible stainless steel gas connector (Design Certified by the American Gas Association or CSA International) to connect your dryer to the rigid gas supply line. Use an elbow and a ⅜ in. flare x ⅜ in. NPT adapter fitting between the stainless steel gas connector and the dryer gas pipe, as needed to prevent kinking.

Option 2 (Alternate Method)

Approved aluminum or copper tubing:

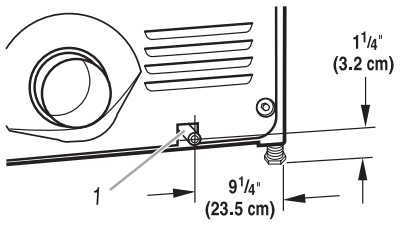
- Lengths under 20 ft (6.1 m) can use ⅜ in. approved tubing (if codes and gas supplier permit).
- If you are using natural gas, do not use copper tubing.
- ⅜ in. flare x ⅜ in. NPT adapter fitting between dryer pipe and ⅜ in. approved tubing.
- Lengths over 20 ft (6.1 m) should use larger tubing and a different size adapter fitting.
- If your dryer has been converted to use L.P. gas, ⅜ in. L.P. compatible copper tubing can be used. If the total length of the supply line is more than 20 ft (6.1 m), use larger pipe.

  NOTE: Pipe joint compounds that resist the action of L.P. gas must be used. Do not use TEFLON®† tape.

†®TEFLON is a registered trademark of E.I. Du Pont De Nemours and Company

Dryer Gas Pipe

- The gas pipe that comes out through the rear of your dryer has a ⅜ in. male pipe thread.



1. ⅜ in. NPT dryer pipe

Burner Input Requirements:

Elevations up to 10,000 feet (3,048 meters):

- The design of this dryer is certified by CSA International for use at altitudes up to 10,000 ft (3,048 m) above sea level at the B.T.U. rating indicated on the model/serial number plate. Burner input adjustments are not required when the dryer is operated up to this elevation.

Elevations above 10,000 feet (3,048 meters):

- When installed above 10,000 ft (3,048 m) a 4% reduction of the burner B.T.U. rating shown on the model/serial number plate is required for each 1,000 ft (305 m) increase in elevation.

Gas Supply Pressure Testing

- The dryer must be disconnected from the gas supply piping system during any pressure testing.

Venting Requirements

⚠WARNING

Fire Hazard

Use a heavy metal vent.

Do not use a plastic vent.

Do not use a metal foil vent.

Failure to follow these instructions can result in death or fire.

WARNING: To reduce the risk of fire, this dryer MUST BE EXHAUSTED OUTDOORS.

4 in. (10.2 cm) heavy metal exhaust vent and clamps must be used. DURASAFE™ venting products are recommended.

DURASAFE™ vent products can be purchased from your dealer or by calling Whirlpool Parts and Accessories. For more information, see the “Assistance or Service” section of your “Dryer User Instructions.”

- The dryer exhaust must not be connected into any gas vent, chimney, wall, ceiling, or a concealed space of a building.
- Do not use an exhaust hood with a magnetic latch.
- Do not install flexible metal vent in enclosed walls, ceilings or floors.
- Use clamps to seal all joints. Exhaust vent must not be connected or secured with screws or other fastening devices which extend into the interior of the duct. Do not use duct tape.

IMPORTANT: Observe all governing codes and ordinances.

Improper venting can cause moisture and lint to collect indoors, which may result in:

- Moisture damage to woodwork, furniture, paint, wallpaper, carpets, etc.
- Housecleaning problems and health problems.

Use a heavy metal vent. Do not use plastic or metal foil vent.

Rigid metal vent is recommended to prevent crushing and kinking.

Flexible metal vent must be fully extended and supported when the dryer is in its final position. Remove excess flexible metal vent to avoid sagging and kinking that may result in reduced airflow and poor performance.

An exhaust hood should cap the vent to prevent rodents and insects from entering the home.

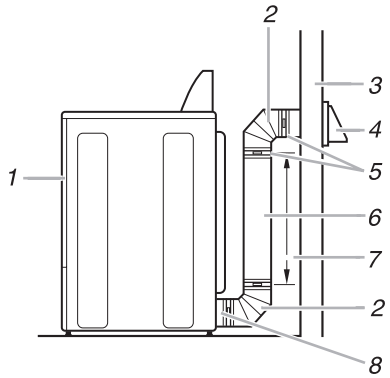
Exhaust hood must be at least 12 in. (30.5 cm) from the ground or any object that may be in the path of the exhaust (such as flowers, rocks or bushes, etc.).

If using an existing vent system, clean lint from the entire length of the system and make sure exhaust hood is not plugged with lint. Replace any plastic or metal foil vent with rigid metal or flexible metal vent.

Plan Vent System

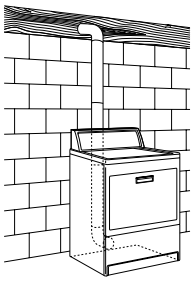
Typical exhaust installations

Typical installations vent the dryer from the rear of the dryer.



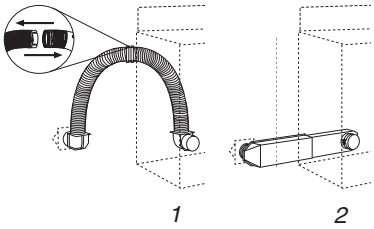
1. Dryer
2. Elbow
3. Wall
4. Exhaust hood
5. Clamps
6. Rigid metal or flexible metal vent
7. Vent length necessary to connect elbows
8. Exhaust outlet

Standard exhaust installation with rigid metal or flexible metal vent



Alternate installations for close clearances

Venting systems come in many varieties. Select the type best for your installation. Two close-clearance installations are shown. Refer to the manufacturer's instructions.



1. Over-The-Top installation (also available with one offset elbow)
2. Periscope installation

NOTE: The following kits for close clearance alternate installations are available for purchase. Please reference the "Assistance or Service" section of your "Dryer User Instructions."

- Over-The-Top Installation:

  Part Number 4396028

- Periscope Installation (For use with dryer vent to wall vent mismatch):

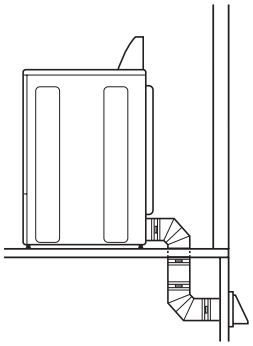
  Part Number 4396037 - 0 in. (0 cm) to 18 in. (45.72 cm) mismatch

  Part Number 4396011 - 18 in. (45.72 cm) to 29 in. (73.66 cm) mismatch

  Part Number 4396014 - 29 in. (73.66 cm) to 50 in. (127 cm) mismatch

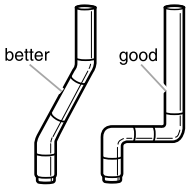
Special provisions for mobile home installations

The exhaust vent must be securely fastened to a noncombustible portion of the mobile home structure and must not terminate beneath the mobile home. Terminate the exhaust vent outside.



Determine Vent Length

1. Select the route that will provide the straightest and most direct path outdoors. Plan the installation to use the fewest number of elbows and turns. When using elbows or making turns, allow as much room as possible. Bend vent gradually to avoid kinking. Avoid 90º turns.

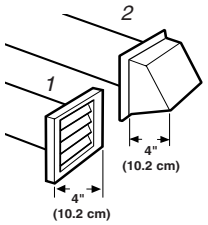


2. Determine vent length.

   The maximum length of the exhaust system depends upon:

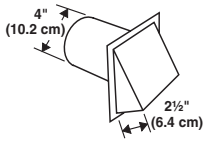
   - The type of vent (rigid metal or flexible metal).
   - The number of elbows used.
   - Type of hood.

   Recommended hood styles are shown here.



1. Louvered hood style
2. Box hood style

The angled hood style (shown following) is acceptable.



See the exhaust vent length chart that matches your hood type for the maximum vent lengths you can use.

Exhaust systems longer than specified will:

- Shorten the life of the dryer.
- Reduce performance, resulting in longer drying times and increased energy usage.

3. Determine the number of elbows you will need.

   NOTE: Do not use vent runs longer than specified in the Vent Length Chart.

   The following chart helps you determine your maximum vent length based on the number of 90° turns or elbows you will need and the type of vent (rigid or flexible metal) and hood that you will use.

Vent Length Chart

Number of 90° turns or elbows	Type of vent	Box or Louvered hoods	Angled hoods
0	**Rigid metal** **Flexible metal**	64 ft (20 m) 36 ft (11 m)	58 ft (17.7 m) 28 ft (8.5 m)
1	**Rigid metal** **Flexible metal**	54 ft (16.5 m) 31 ft (9.4 m)	48 ft (14.6 m) 23 ft (7 m)
2	**Rigid metal** **Flexible metal**	44 ft (13.4 m) 27 ft (8.2 m)	38 ft (11.6 m) 19 ft (5.8 m)
3	**Rigid metal** **Flexible metal**	35 ft (10.7 m) 25 ft (7.6 m)	29 ft (8.8 m) 17 ft (5.2 m)
4	**Rigid metal** **Flexible metal**	27 ft (8.2 m) 23 ft (7 m)	21 ft (6.4 m) 15 ft (4.6 m)

Install Vent System

1. (Optional) Put on safety glasses and gloves.
2. Install exhaust hood. Use caulking compound to seal exterior wall opening around exhaust hood.
3. Connect vent to exhaust hood. Vent must fit inside exhaust hood. Secure vent to exhaust hood with 4 in. (10.2 cm) clamp.
4. Run vent to dryer location. Use the straightest path possible. See “Determine Vent Length.” Avoid 90º turns. Use clamps to seal all joints. Do not use duct tape, screws or other fastening devices that extend into the interior of the vent to secure vent.

Install Leveling Legs

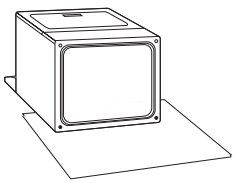
⚠WARNING

Excessive Weight Hazard

Use two or more people to move and install dryer.

Failure to do so can result in back or other injury.

1. To protect the floor, use a large flat piece of cardboard from the dryer carton. Place cardboard under the entire back edge of the dryer. See illustration.
2. Firmly grasp the body of the dryer (not the top or console panel).



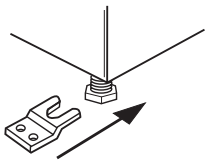
   Gently lay the dryer on the cardboard corners.

3. Examine the leveling legs. Find the diamond marking.

4. Screw the legs into the leg holes by hand. Use a wrench to finish turning the legs until the diamond marking is no longer visible.
5. Place a carton corner post under each of the 2 dryer back corners. Stand the dryer up. Slide the dryer on the corner posts until it is close to its final location.
6. Leave enough room to connect the exhaust vent.

For mobile home use

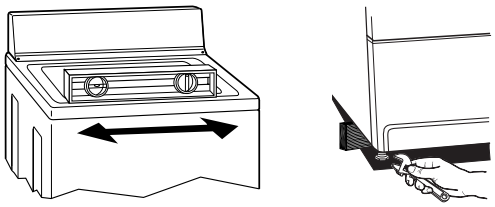
Gas dryers must be securely fastened to the floor.



Mobile home installations require a Mobile Home Installation Kit. For ordering information please reference your “Dryer User Instructions.”

Level Dryer

Check the levelness of the dryer. Check levelness first side-to-side, then front-to-back.



If the dryer is not level, prop up the dryer using a wood block. Use a wrench to adjust the legs up or down and check again for levelness.

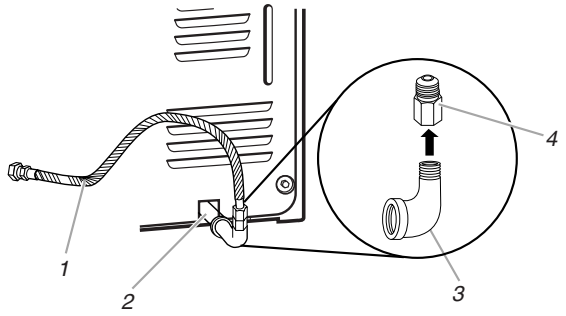
NOTE: It might be necessary to level the dryer again after it is moved into its final position.

Make Gas Connection

1. Remove the red cap from the gas pipe. Move the dryer close to its final position.
2. Using a wrench to tighten, connect the gas supply to the dryer. Use pipe joint compound on all non-flared male threads. If flexible metal tubing is used, be sure there are no kinks.

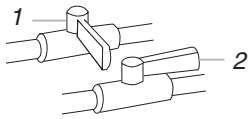
   NOTE: For L.P. gas connections, you must use pipe joint compound resistant to the action of L.P. gas. Do not use TEFLON® tape.

   A combination of pipe fittings must be used to connect the dryer to the existing gas line. Shown following is a recommended connection. Your connection may be different, according to the supply line type, size, and location.



1. ⅜ in. flexible gas connector
2. ⅜ in. dryer pipe
3. ⅜ in. to ⅜ in. pipe elbow
4. ⅜ in. pipe-to-flare adapter fitting

3. Open the shutoff valve in the supply line. The valve is open when the handle is parallel to the gas pipe.



1. Closed valve
2. Open valve

4. Test all connections by brushing on an approved non-corrosive leak-detection solution. Bubbles will show a leak. Correct any leak found.

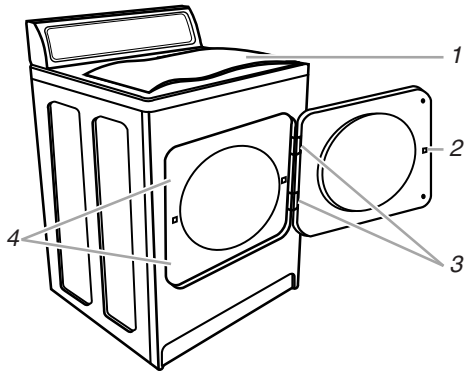
Connect Vent

1. Using a 4 in. (10.2 cm) clamp, connect vent to exhaust outlet in dryer. If connecting to existing vent, make sure the vent is clean. The dryer vent must fit over the dryer exhaust outlet and inside the exhaust hood. Make sure the vent is secured to exhaust hood with a 4 in. (10.2 cm) clamp.
2. Move dryer into final position. Do not crush or kink vent. Make sure dryer is level.
3. (On gas models) Check to be sure there are no kinks in the flexible gas line.

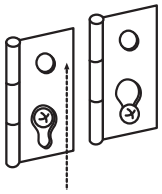
Reverse Door Swing (Optional)

You can change your door swing from a right-side opening to a left-side opening, if desired.

Reversible Large Side-Swing Door

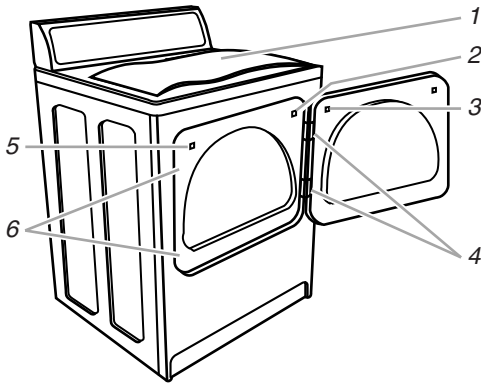


1. Place towel (1) on top of dryer to protect surface.
2. Open dryer door. Remove bottom screws from cabinet side of hinges (3). Loosen (do not remove) top screws from cabinet side of hinges.
3. Lift door until top screws in cabinet are in large part of hinge slot. Pull door forward off screws. Set door on top of dryer. Remove top screws from cabinet.
4. Use a small, flat-blade screwdriver to carefully remove 4 hinge hole plugs (4) on left side of cabinet. Insert plugs in hinge holes on right side of cabinet.
5. Insert screws in bottom holes on left side of cabinet. Tighten screws halfway. Position door so large end of door hinge slot is over screws. Slide door up so screws are in bottom of slots. Tighten screws. Insert and tighten top screws in hinges.

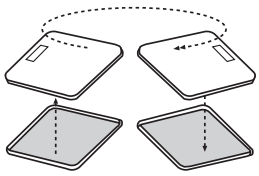


6. Close door and check that door strike aligns with door catch (2). If needed, slide door catch left or right within slot to adjust alignment.

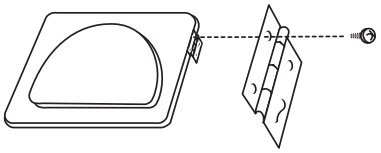
Reversible Super Wide Side-Swing Door



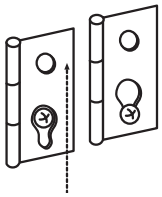
1. Place towel (1) on top of dryer to protect surface.
2. Open dryer door. Remove bottom screws from cabinet side of hinges (4). Loosen (do not remove) top screws from cabinet side of hinges.
3. Lift door until top screws in cabinet are in large part of hinge slot. Pull door forward off screws. Set door (handle side up) on top of dryer. Remove top screws from cabinet.
4. Remove screws attaching hinges to door.
5. Remove screws at top, bottom and side of door (4 screws). Holding door over towel on dryer, grasp sides of outer door and carefully lift to separate it from inner door. Do NOT pry apart with putty knife. Do NOT pull on door seal or plastic door catches.
6. Be careful to keep cardboard spacer centered between doors. Reattach outer door panel to inner door panel so handle is on the side where hinges were just removed.



7. Attach door hinges to door so large part of hinge slot is at bottom of hinge.



8. Remove door strike (5) from cabinet. Use a small, flat-blade screwdriver to carefully remove 4 hinge hole plugs (6) on left side of cabinet. Insert plugs in hinge holes on right side of cabinet.
9. Insert screws in bottom holes on left side of cabinet. Tighten screws halfway. Position door so large end of door hinge slot is over screws. Slide door up so screws are in bottom of slots. Tighten screws. Insert and tighten top screws in hinges.



10. Remove door strike plug (2). Insert the door strike you removed in Step 8 in hole and secure with screw. Insert door strike plug in original door strike hole and secure with screw.
11. Close door and check that door strike aligns with door catch (3). If needed, slide door catch left or right within slot to adjust alignment.

Complete Installation

1. Check to be sure all parts are now installed. If there is an extra part, go back through the steps to see which step was skipped.
2. Check to be sure you have all of your tools.
3. Dispose of all packaging materials.
4. Check the dryer's final location. Be sure the vent is not crushed or kinked.
5. Check to be sure the dryer is level. (See "Level Dryer.")
6. Plug into a grounded 3 prong outlet. Turn power on.
7. Remove the blue protective film on the console and any tape remaining on the dryer.
8. Read your "Dryer User Instructions."
9. Wipe the dryer drum interior thoroughly with a damp cloth to remove any dust.
10. Set the dryer on a full heat cycle (not an air cycle) for 20 minutes and start the dryer.

    If the dryer will not start, check the following:

    - Dryer is plugged into a grounded 3 prong outlet.
    - Electrical supply is connected.
    - House fuse is intact and tight; or circuit breaker has not tripped.
    - Dryer door is closed.

11. When the dryer has been running for 5 minutes, open the dryer door and feel for heat. If you do not feel heat, turn the dryer off and check to see whether gas supply line shutoff valve is open.
    - If the gas supply line shutoff valve is closed, open it, then repeat the 5-minute test as outlined above.
    - If the gas supply line shutoff valve is open, contact a qualified technician.

Notes

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