

# How To Install Your *Gas Dryer*

(This dryer is set to operate on Natural Gas.)

Before you start, make sure that you have the following:

- New metal exhaust duct. Do Not use plastic duct. If you are using an existing duct system, remove any lint buildup (see Panels B and C, "Exhaust requirements").
- All the tools and parts you will need to connect gas supply to dryer (see Panel A).
- The proper gas supply (see Panels A and B).
- A grounded 120-volt, 60-Hz, AC-only, 15- or 20-ampere fused electrical circuit (see Panel B, "Electrical requirements").
- Proper location (see Panel A and back cover).

**IMPORTANT:**  
Read and save  
these instructions.

**IMPORTANT:**

**Installer:** Leave Installation Instructions with the homeowner.

**Homeowner:** Keep Installation Instructions for future reference.

**Save** Installation Instructions for local electrical and gas inspector's use.

## Before you start...

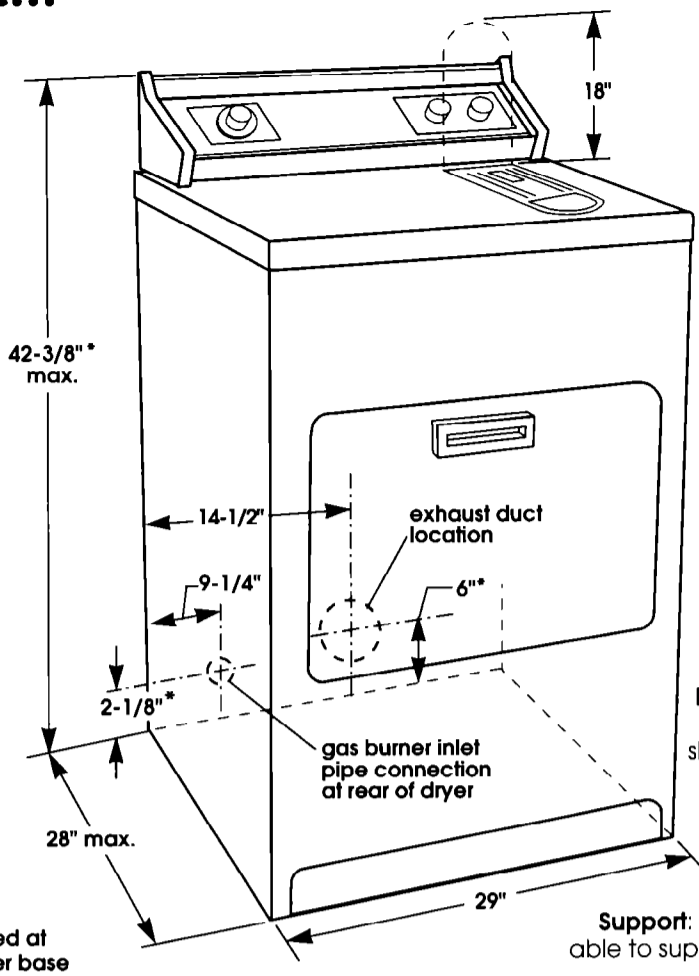
**Check location** where dryer will be installed. Proper installation is your responsibility. The dryer must not be installed or stored in an area where it will be exposed to water and/or weather. Make sure you have everything necessary for correct installation.

**Proper gas and electrical supply connections** should be available.

**Check code requirements:** Some codes limit or Do Not permit installation of clothes dryers in garages, closets, mobile homes, or sleeping quarters. Contact your local building inspector.

**Four-inch metal exhaust duct is required.**

**Protection from the weather:** Proper operation of dryer cycles requires temperatures above 45°F., or the dryer may not shut off when automatic cycles are used.



**Important: Observe all governing codes and ordinances.**

Open dryer and remove literature and parts packages.

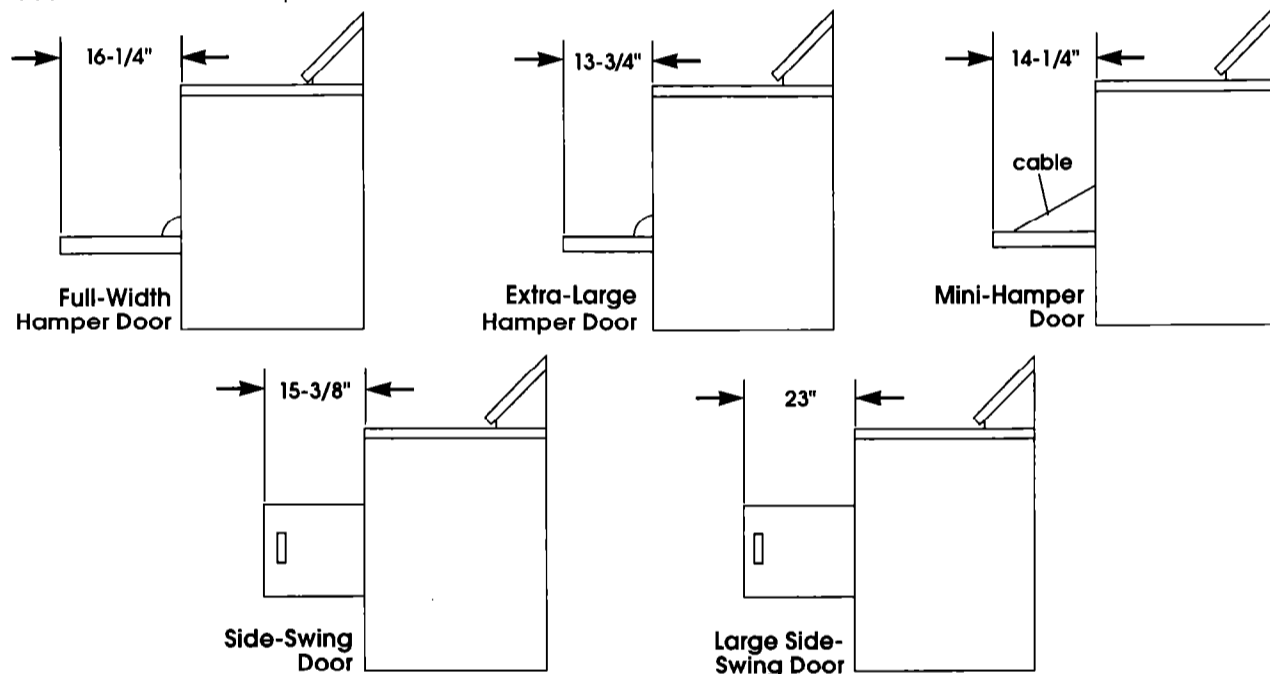
**Level floor:** 1-inch maximum floor slope under entire dryer.

**Support:** The floor must be able to support dryer weight of 175 pounds.

\* with feet installed at 1 inch from dryer base

## Dryer Door Clearances

**Location** must be large enough to fully open dryer door. See back cover of Installation Instructions or label on dryer rear panel for recessed and closet requirements.



## Mobile Home Installation

This appliance is suitable for mobile home installations. The installation of the dryer 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).

For mobile home use, this appliance MUST be fastened to the floor and MUST be exhausted to the outside. Order Mobile Home Installation Kit No. 346764 from your dealer. Kit includes the necessary fastening hardware and detailed installation instructions. Metal exhaust system hardware is also available through your dealer.

This installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 — latest edition,\*\* and all local codes and ordinances.

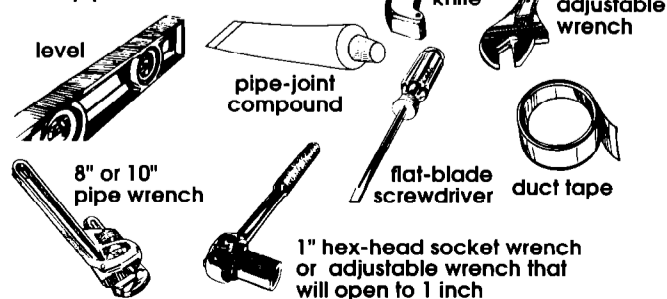
Copies of standards listed may be obtained from:

\*\* American Gas Association  
1515 Wilson Boulevard  
Arlington, Virginia 22209

## Tools and materials needed for installation:

Not shown:


metal exhaust duct  
gas supply connection for 3/8\"/>



Panel A

## Gas supply requirements

**⚠ WARNING**



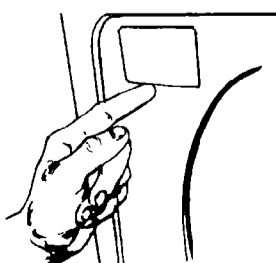
**Fire Hazard**

**This dryer must be connected to a regulated gas supply. Failure to do so could cause high-pressure gas release, resulting in a fire or explosion.**

**Have the L.P. gas checked by a qualified person before installing the dryer. The L.P. gas supply must not exceed a pressure of 13\"/>**

**OBSERVE ALL GOVERNING CODES AND ORDINANCES.**

**A.** Check that dryer is equipped with the correct burner for the particular type of gas in the home. Burner information will be found on the model/serial rating plate in door well of the appliance. If this information does not agree with the type of gas available, see your dealer.



## ⚠ WARNING



### Fire Hazard

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 loss of life.

- 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.
- Never install dryer up against draperies or curtains or on carpet.
- Keep any and all items from falling or collecting behind the dryer.

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

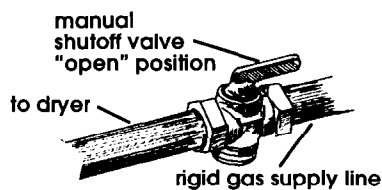
If you install the dryer in a garage, car-port, or areas near vehicles where fumes from gasoline or other flammable materials may be present, the vapors may be heavier than air and remain near floor. Place dryer a minimum of 18 inches above floor. Check with your building inspector regarding requirements for this installation.

Failure to follow these instructions could result in fire or explosion.

**B.** This dryer is equipped for use with NATURAL GAS. It is design-certified by the American Gas Association for L.P. (propane or butane) gases with appropriate conversion. 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. **Conversion must be done by a qualified service technician. Gas conversion kit part numbers are listed on the gas valve burner base.**

**C.** The design of this dryer has been certified by the A.G.A. for use at altitudes up to 10,000 feet above sea level at the B.T.U. rating indicated on the model/serial rating plate. Burner input adjustments are not required when the dryer is operated up to this elevation. When installed above 10,000 feet, a four percent (4%) reduction of the burner B.T.U. rating shown on the model/serial rating plate is required for each 1,000 foot increase in elevation. For assistance when converting to other gas types and/or installing above 10,000 feet elevation, contact your local service company.

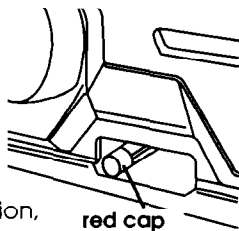
**D.** Provide a **rigid gas supply line** to the dryer location. When rigid pipe is used it should be 1/2 inch IPS. When acceptable to the gas supplier and local codes, 3/8-inch approved tubing may be used for lengths under 20 feet. For lengths over 20 feet, larger tubing should be used. Pipe-joint compounds resistant to the action of L.P. gas must be used.



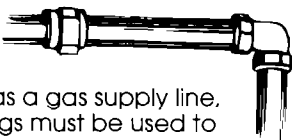
**E.** The supply line shall be equipped with a shutoff valve. This valve should be located in the same room as the dryer and should be in a location that allows the valve to be opened and closed easily. Do Not block access to shutoff valve.

**F.** If the dryer is installed in a confined area such as a bedroom, bathroom or closet, provision must be made for enough air for combustion and ventilation. Check governing codes and ordinances. Also, check "Recessed and closet installation instructions" on the back cover, or label on dryer rear panel for detailed instructions.

**G.** If local codes permit, it is recommended that new flexible metal tubing design-certified by the American Gas Association, be used for connecting the appliance to the rigid gas supply line. **(The gas pipe which extends through the lower rear of the appliance has 3/8-inch male pipe thread.)**



**H.** If rigid pipe is used as a gas supply line, a combination of pipe fittings must be used to obtain an in-line connection to the dryer.



**I.** Make sure that lower edges of the cabinet, plus the back and bottom sides of the dryer are free of obstructions to permit adequate clearance of air openings for combustion air. See "Recessed and closet installation instructions," on the back cover, for minimum spacing requirements.

**J.** For ease of installation, operating and servicing (if ever needed) adequate space should be provided around the dryer.

**K.** A 1/8-inch NPT plugged tapping, accessible for test gauge connection, must be installed immediately upstream of the gas supply connection to the dryer. The dryer and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system.

## Electrical requirements

**⚠ WARNING**

**Electrical Shock Hazard**

Electrical ground is required on this dryer. Do Not ground to a gas supply pipe. Do Not change the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician. Do Not have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in an electrical shock. Do Not use an extension cord with dryer. Check with a qualified electrician if you are not sure dryer is properly grounded. Failure to follow these instructions could result in death or serious injury.

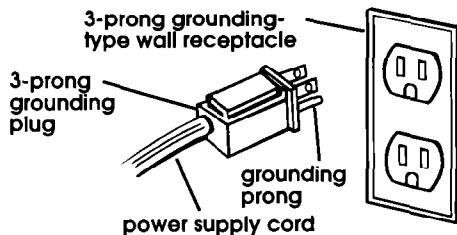
If codes permit and a separate grounding wire is used, it is recommended that a qualified electrician determine that the grounding path is adequate.

A 120-volt, 60-Hz, AC-only, 15- or 20-ampere fused electrical supply is required. Time-delay fuse or circuit breaker is recommended. It is recommended that a separate circuit serving only this appliance be provided.

### Panel B

## Recommended grounding method

For your personal safety, this appliance must be grounded. This appliance is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong grounding-type wall receptacle, grounded in accordance with the National Electrical Code, ANSI/NFPA 70 — latest edition\*, and all local codes and ordinances. If a mating wall receptacle is not available, it is the personal responsibility and obligation of the customer to have a properly grounded 3-prong wall receptacle installed by a qualified electrician.



Copies of standards listed may be obtained from:

\* National Fire Protection Association  
Battery March Park  
Quincy, Massachusetts 02269

## Exhaust requirements

**⚠ WARNING**

**Fire Hazard**

Do Not use non-metal, flexible duct.  
Do Not use metal duct smaller than four inches in diameter.  
Do Not Use exhaust hoods with magnetic latches.  
Check that exhaust system is not longer than specified. Exhaust systems longer than specified will:

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

Do Not exhaust dryer into a chimney, furnace cold air duct, attic or crawl space, or any other duct used for venting.  
Clean the exhaust system every other year.  
Do Not install flexible duct in enclosed walls, ceilings or floors.  
Accumulated lint could be fuel for a fire or cause moisture damage.  
Exhaust the dryer outside to prevent exposure to substances in the gas fuels and combustion which may be harmful to your health.  
The moisture and lint indoors may cause:

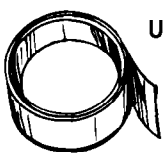
- Lint to gather inside and around the dryer and be a fuel for fire.
- Moisture damage to woodwork, furniture, paint, wallpaper, carpet, etc.
- Housecleaning problems and possible health problems.

Failure to follow these instructions could result in fire.

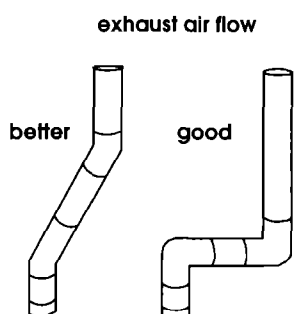
If using existing exhaust system, clean lint from entire length of exhaust system. Make sure exhaust hood is not plugged with lint.

The exhaust system should be inspected and cleaned yearly.

Replace any vinyl or metallized plastic foil exhaust duct with rigid metal or flexible metal duct.



Use duct tape to seal all joints. Do Not use screws to secure duct.

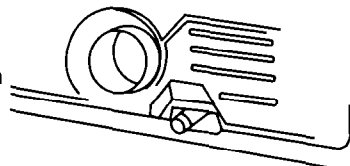


Four-inch rigid metal duct is preferred. Plan installation to use the fewest number of elbows and turns.

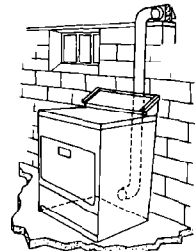
**Metal flexible duct** should be fully extended and supported when the dryer is in final position. DO NOT KINK OR CRUSH THE DUCT. The metal flexible duct must be completely open to allow adequate exhaust air to flow.

Allow as much room as possible when using elbows or making runs. Bend duct gradually to avoid kinking. Remove excess flexible duct to avoid sagging and kinking that may result in reduced air flow.

The exhaust outlet is located at the bottom rear of the dryer.

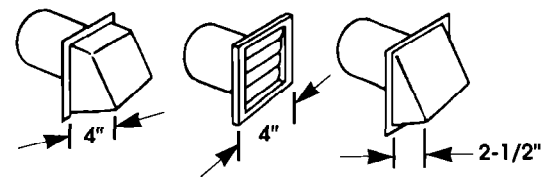


The exhaust duct can be routed up, down, left, right or straight out of the back of the dryer. General space requirements can be found in "Recessed and closet installation instructions" on the back cover. Use the straightest path you can to avoid 90° turns.



Maximum length of the exhaust system depends upon:

- The type of duct used.
- If a combination of rigid and flexible duct is used.
- Number of elbows.



The same length of duct can be used with any of the three exhaust hoods shown.

Exhaust duct length charts list lengths by type of duct to be used. Use the chart that matches your duct type.

### When you use only one type of metal duct...

- ① Determine the number of elbows you will need.
- ② In the column listing the type of metal duct you are using, find the maximum length of metal duct on the same line as the number of elbows.

Maximum length of Rigid metal duct OR fully extended Flexible metal duct		
① Number of 90° elbows	② 4" dia. rigid metal duct	② 4" dia. flexible metal duct
0	115 ft	38 ft
1	105 ft	35 ft
2	95 ft	32 ft
3	85 ft	28 ft
4	75 ft	25 ft
5	65 ft	22 ft

The maximum length using a 2" x 6" rectangular duct with 2 elbows and transitioning into a 2-1/2" exhaust hood is 8 ft.

### When you use a combination of rigid and flexible metal duct...

- ① Determine the number of elbows you will need.
- ② Determine the length of Flexible metal duct you will use. Find the column that has the nearest number of feet to what you will be using.
- ③ In the shaded area of that column find the maximum length of Rigid metal duct on the same line as the number of elbows.

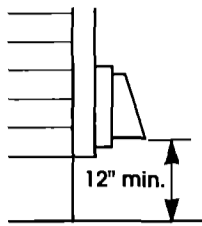
Maximum length of fully extended Flexible and Rigid metal duct							
Number of 90° elbows	② Length of Flexible metal duct						③ Length of Rigid metal duct
	0'	1-5'	6-10'	11-15'	16-20'	21-25'	
① 0	115 ft	100 ft	85 ft	70 ft	50 ft	40 ft	
1	105 ft	90 ft	75 ft	60 ft	45 ft	30 ft	
2	95 ft	80 ft	65 ft	50 ft	35 ft	20 ft	
3	85 ft	70 ft	55 ft	40 ft	25 ft	10 ft	
4	75 ft	60 ft	45 ft	30 ft	15 ft	0 ft	
5	65 ft	50 ft	35 ft	20 ft	5 ft	0 ft	

- Example:**
- ① You need to use 2 elbows.
  - ② You will use 5 ft Flexible metal duct.
  - ③ The maximum length of Rigid metal duct you can use is 80 ft.

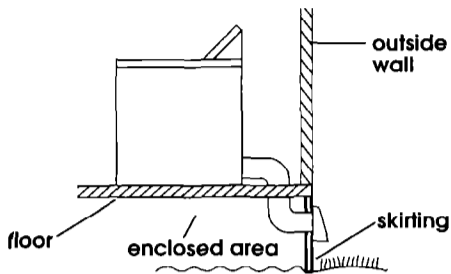
**For exhaust systems** not covered by the exhaust length chart, see Service Manual, Part No. 603197, available from your local parts distributor.

**Service check:** The back pressure in any exhaust system used must not exceed 0.9 inches of water column measured with an inclined manometer at the point that the exhaust duct connects the dryer.

**An exhaust hood** should cap the exhaust duct to prevent exhausted air from returning into dryer. The outlet of the hood must be at least 12 inches from the ground or anything else that may be in the path of the exhaust.



**Four-inch outlet hood is preferred.** However, a 2-1/2 inch outlet can be used.



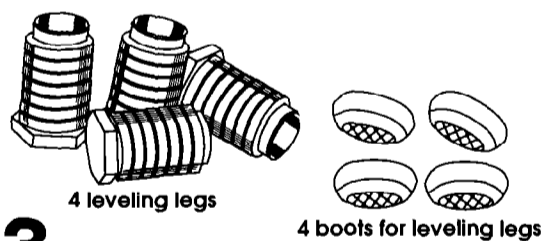
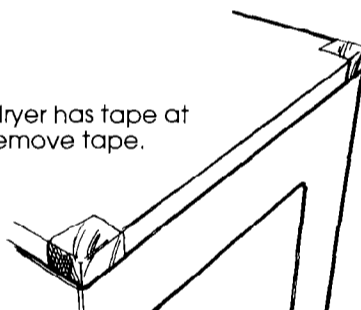
**For mobile home installation,** the dryer **must** have an outside exhaust. If you exhaust the dryer through the floor and the area under your mobile home is enclosed, the exhaust system **must** terminate outside the enclosed area. Extension beyond the enclosure will prevent lint and moisture buildup under the mobile home.

## Now start...

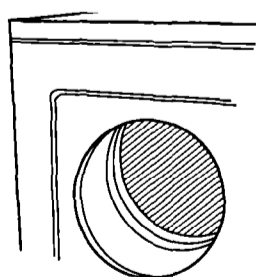
With dryer in laundry area.

**1.** Put on safety glasses and gloves.

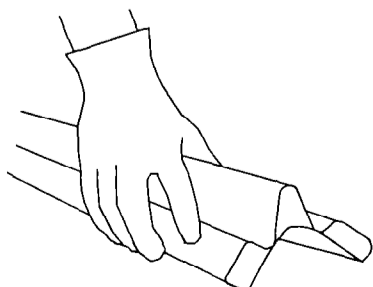
**2.** If your dryer has tape at front corners, remove tape.



**3.** If your dryer has tape on the door, remove tape. Open door and remove the tape from dryer drum. Remove drying rack, if your dryer has one. Remove all parts from the plastic packages. Make sure you have four leveling legs and four boots.



**4.** Wipe the interior of the drum thoroughly with a damp cloth to remove any dust before using the dryer.

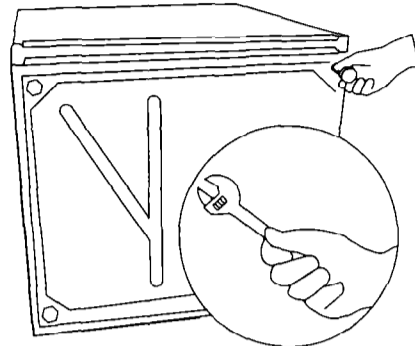
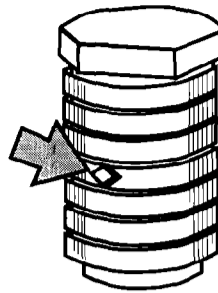


**5.** Take two of the corner pieces from the carton and place them on the floor in back of the dryer.

**Panel C**

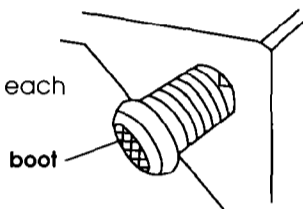
**6.** Firmly grasp the body of the dryer and gently lay it on its back on the cardboard corners.

**7.** With one of the legs in hand, check the ridges for a diamond marking. That's how far the leg is supposed to go into the hole. Start to screw the legs into the holes by hand.



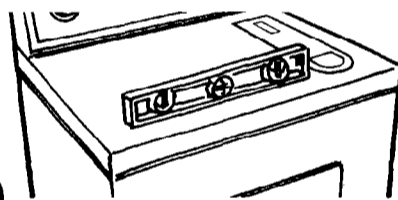
Use an adjustable wrench or 1" hex-head socket wrench to finish turning the legs until you reach the diamond mark.

**8.** Slide a boot over the bottom of each of the four legs.



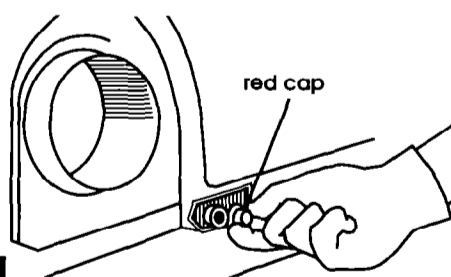
**Slide dryer onto cardboard or hardboard before moving across floor.**

**9.** Now stand the dryer up. Slide dryer onto cardboard or hardboard. Remove tape from lint collector lip.



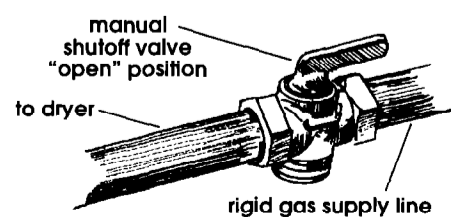
**10.** Move the dryer close to its final location, but leave enough room to connect exhaust duct and gas supply. Remove cardboard or hardboard. To make sure the dryer is level, take a carpenter's level and place it on the top of the dryer, first side to side, then front to back.

If the dryer is not level, adjust the legs of the dryer up or down. If legs are not long enough to level dryer, order longer legs, Part No. 279810 (two per pack) from your dealer. If the boots are removed to level the legs, be sure to replace the boots. The dryer must be level to reduce noise and to prevent poor drying performance.



**11.** Remove the red cap from the gas pipe. Move the dryer into its final position.

**12.** Connect gas supply to dryer. Use pipe-joint compound resistant to the action of L.P. gas for gas connections. If flexible metal tubing is used, be certain there are no kinks.



**13.** Turn the shutoff valve in the gas supply line to the "open" position.

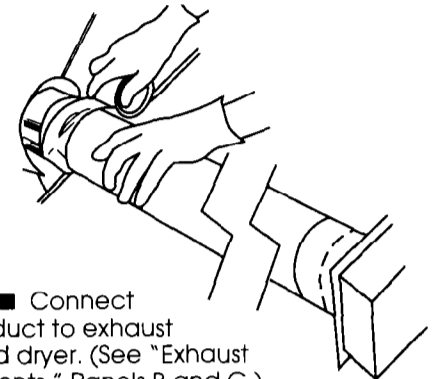
## WARNING



### Fire Hazard

**Do Not use an open flame to test for leaks from gas connections. Checking for leaks with a flame could result in a fire or explosion.**

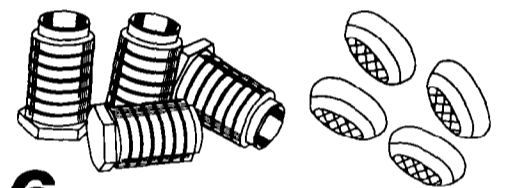
**14.** Use a brush and liquid detergent to test all external gas connections for leaks. Bubbles around connections will indicate a leak. If a leak appears, shut off gas supply valve and tighten connections. Then check connections again.



**15.** Connect exhaust duct to exhaust hood and dryer. (See "Exhaust requirements," Panels B and C.)

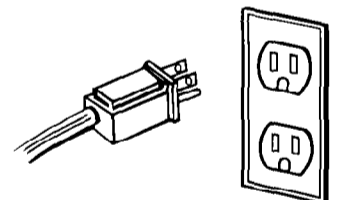
- Use the straightest path possible to avoid 90° turns.
- The exhaust duct **MUST** fit over the dryer exhaust outlet and inside the exhaust hood duct as shown.
- Use duct tape to seal **all** joints in the exhaust system and to secure exhaust duct to dryer exhaust outlet and exhaust hood duct.
- Use caulking compound to seal exterior wall opening around exhaust hood.

**16.** Check that all legs and boots are properly installed and that dryer is level.



**17.** Check to make sure you have all the tools and materials you started with (see Panel A).

**18.** Plug the power supply cord into the grounded outlet.



**19.** Carefully slide dryer into its final location. Check to be sure legs were properly installed and dryer is level.

**20.** Read the Use and Care Guide to fully understand your new dryer. Select a full heat cycle (not the air cycle) and start the dryer. Let the dryer run for at least five minutes to remove air from the gas supply line. Open the dryer door. You should feel heat inside the dryer. If you do not feel heat, shut off the dryer for five minutes. Check that the gas supply line shutoff valve is in "open" position. Repeat the five-minute test.

*To get the most efficient use from your new dryer, read your Use and Care Guide. Keep Installation Instructions and Guide close to dryer for easy reference.*

# Recessed and closet installation instructions

## ! WARNING

### Health Hazard

Exhaust the dryer to the outside to prevent exposure to substances in the gas fuels and combustion by-products which may be harmful to your health.

Failure to follow this instruction could result in a health problem.

To prevent large amounts of lint and moisture from accumulating, and to maintain drying efficiency, this dryer must be exhausted outdoors.

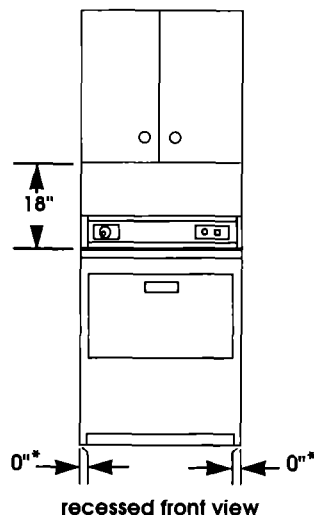
Companion appliance spacings should be considered.

Detailed space requirements can be found on the label located on the back panel of dryer.

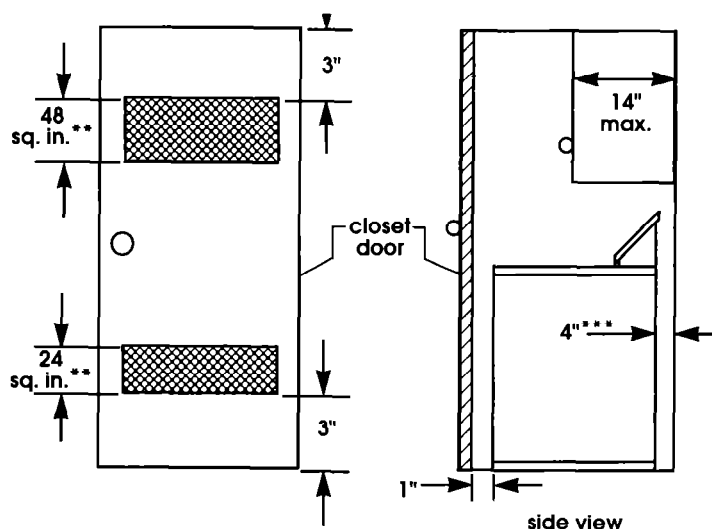
**NOTE: No other fuel-burning appliance may be installed in the same closet.**

The following installation spacings and door air openings for the dryer are possible when installed and exhausted as noted. Spacing as indicated is in inches and is minimum allowable. For ease of installation and service, additional spacing should be considered.

Recessed Installation



Closet Installation



- \* Additional clearances for wall, door and floor moldings may be required.
- \*\* Opening is minimum for closet door. Louvered door with equivalent air openings is acceptable.
- \*\*\* Additional space is needed when external exhaust elbow is used.

## If dryer does not operate properly...

Before calling for service, check to be sure that:

- A. Electrical supply is connected.
- B. The house fuse has not blown or circuit breaker has not tripped.
- C. Door is closed.
- D. Controls are set in a running or "ON" position.
- E. Start button has been pushed firmly.
- F. Gas supply line shutoff valve is open.

### When moving the dryer...

- Disconnect the power supply cord and tape securely to dryer.
- Shut off the gas supply valve controls in the gas supply line.
- Disconnect gas pipe fittings from dryer and cap the gas supply line.
- Tape the dryer door to front panel. Put tape over end of dryer gas pipe.
- Tape the lint collector lid to the dryer top.
- Tape dryer top to cabinet or front panel.
- Turn leveling legs all the way in.

Before installing your dryer in your new home, check with your gas supplier or dealer to see that your dryer is equipped with the correct burner for the particular type of gas in your new home. Burner information may be found on the model/serial rating plate in the door well of the dryer.

## If you need assistance...

Check your Use and Care Guide for a toll-free number to call or call the dealer from whom you purchased this appliance. The dealer is listed in the Yellow Pages of your phone directory under "Appliances — Household — Major — Service and Repair."

When you call, you will need the dryer model number and serial number. Both numbers are on the model/serial rating plate located in the door well behind dryer door and on front of opening.