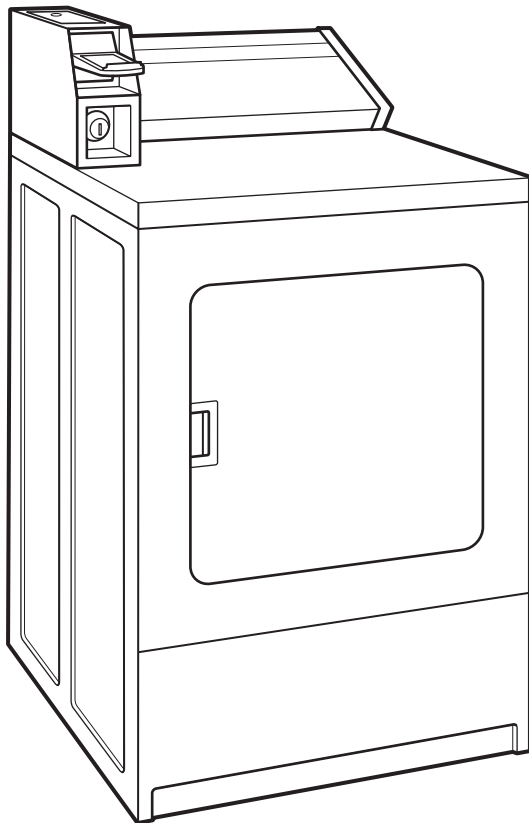


# INSTALLATION INSTRUCTIONS

## Commercial Dryer

### Gas (120-Volt, 60-Hz) or Electric (120/240-Volt, 60-Hz)

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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.



## **WARNING - “Risk of Fire”**

- Clothes dryer installation must be performed by a qualified installer.
- Install the clothes dryer according to the manufacturer's instructions and local codes.
- Do not install a clothes dryer with flexible plastic venting materials or flexible metal (foil type) duct. If flexible metal duct is installed, it must be of a specific type identified by the appliance manufacturer as suitable for use with clothes dryers. Flexible venting materials are known to collapse, be easily crushed, and trap lint. These conditions will obstruct clothes dryer airflow and increase the risk of fire.
- To reduce the risk of severe injury or death, follow all installation instructions.
- Save these instructions.

- It is recommended that the owner post, in a prominent location, instructions for the customer's use in the event the customer smells gas. This information should be obtained from your gas supplier.
- Post the following warning in a prominent location.

### FOR YOUR SAFETY

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

**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.

**WARNING:** Gas leaks cannot always be detected by smell.

Gas suppliers recommend that you use a gas detector approved by UL or CSA.

For more information, contact your gas supplier.

If a gas leak is detected, follow the “What to do if you smell gas” instructions.

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.

**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 or the Canadian Natural Gas and Propane Installation Code, CSA B149.1.

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 or Canadian Electrical Code, CSA C22.1.

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

# DRYER SAFETY

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** To reduce the risk of fire, electric shock, or injury to persons when using the dryer, follow basic precautions, including the following:

- Read all instructions before using the dryer.
- This dryer is intended only for drying clothes and textiles that have been washed in water. Do not use for any other purpose.
- **WARNING:** If you smell gas, do not use the dryer or any electrical equipment nearby. Warn other people to clear the area. Contact the dryer owner immediately.
- Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.
- Do not dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable, or explosive substances as they give off vapors that could ignite or explode.
- Do not dry unwashed items in the dryer.
- Do not allow children to play on or in the dryer. Close supervision of children is necessary when the dryer is used near children.
- Before the dryer is removed from service or discarded, remove the doors to the dryer compartment.
- Do not reach into the dryer if the drum is moving.
- Do not open door while dryer is in operation. It will stop.
- Do not install or store the dryer where it will be exposed to the weather.
- Do not tamper with controls.
- Clean dryer lint screen before or after each load.
- Do not use this dryer without the lint screen in place.
- Do not repair or replace any part of the dryer or attempt any servicing unless specifically recommended in this Installation Instructions or in published user-repair instructions that you understand and have the skills to carry out.
- Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
- Do not use heat to dry articles containing foam rubber or similarly textured rubber-like materials.
- The final part of a tumble dryer cycle occurs without heat (cool-down cycle) to ensure that the articles are left at a temperature that ensures that the items will not be damaged.
- **WARNING:** Never stop a tumble dryer before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated. (Avoids risk of spontaneous combustion).
- Keep area around the exhaust opening and adjacent surrounding areas free from the accumulation of lint, dust, and dirt.
- The interior of the dryer and dryer exhaust vent should be cleaned periodically by qualified service personnel.
- See "Electrical Requirements" section for grounding instructions.

**SAVE THESE INSTRUCTIONS**

# TOOLS & PARTS

## Tools Needed:



8" (200 mm)  
or 10" (250 mm)  
pipe wrench



8" (200 mm) or 10" (250 mm)  
adjustable wrench  
that opens to 1" (25 mm)



flat-blade screwdriver



phillips screwdriver



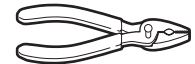
Torx®† T-20 security  
screwdriver or bit



1" (25 mm) hex-head  
socket wrench



5/16" (8 mm) socket wrench



pliers (that open to  
1<sup>9</sup>/<sub>16</sub>" [39 mm])



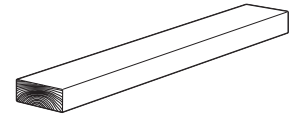
level



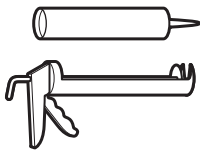
utility knife



1/4" (6 mm) nut driver



27" (686 mm)  
wood block



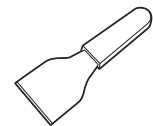
caulk gun and caulk  
(for installing new exhaust vent)



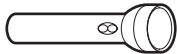
vent clamps



pipe-joint compound  
suitable for gas type



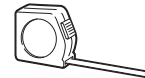
putty knife



flashlight (optional)

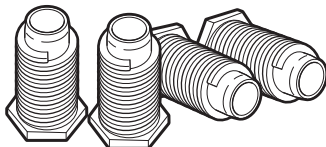


1" (25 mm)  
open-end wrenches

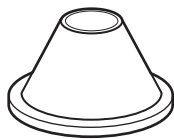


ruler or measuring tape

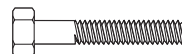
## Parts Supplied:



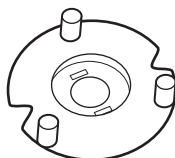
leveling legs (4)



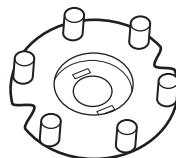
security cone



5/16" hex head –  
18 x 2<sup>1</sup>/<sub>2</sub>" security bolt



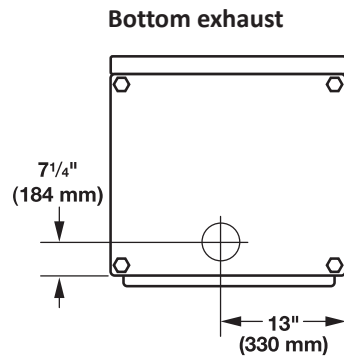
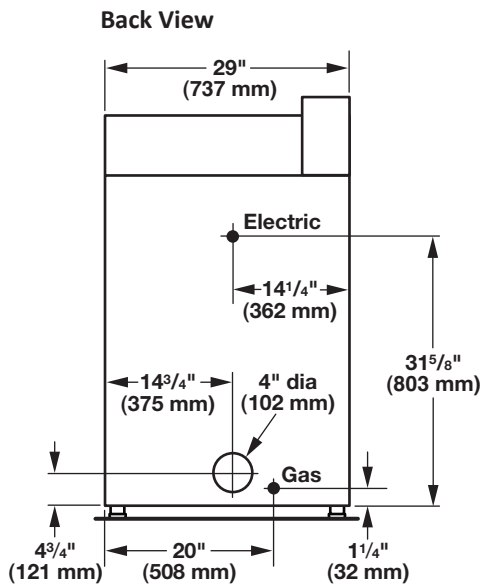
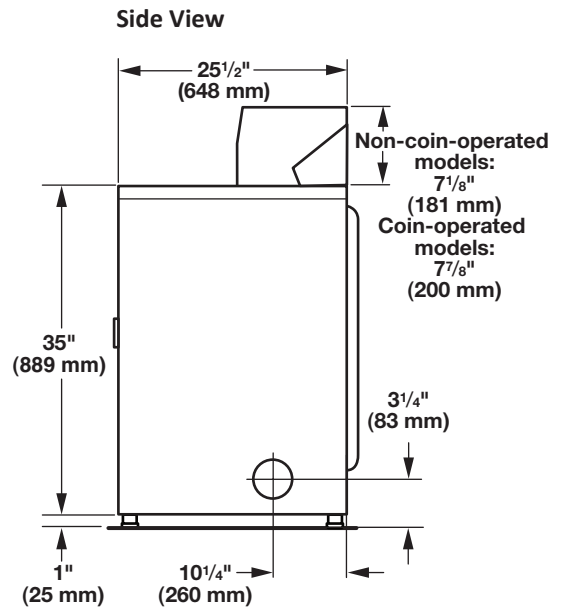
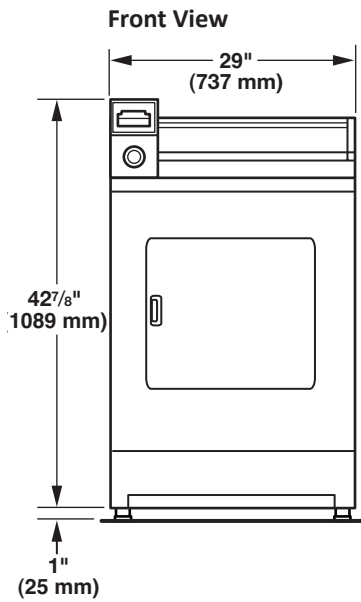
3-pin 60-minute timing cam



6-pin 30-minute timing cam

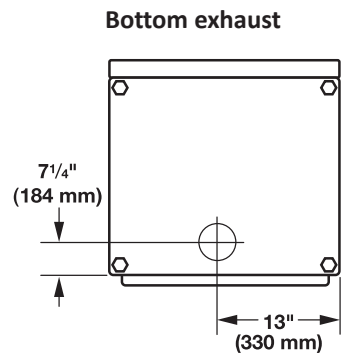
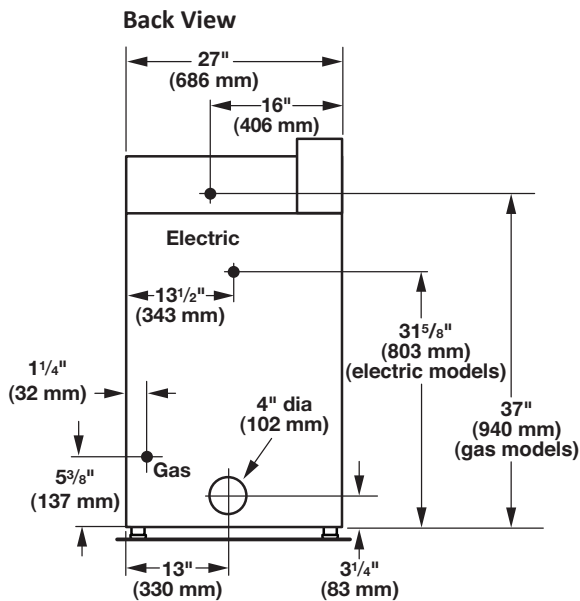
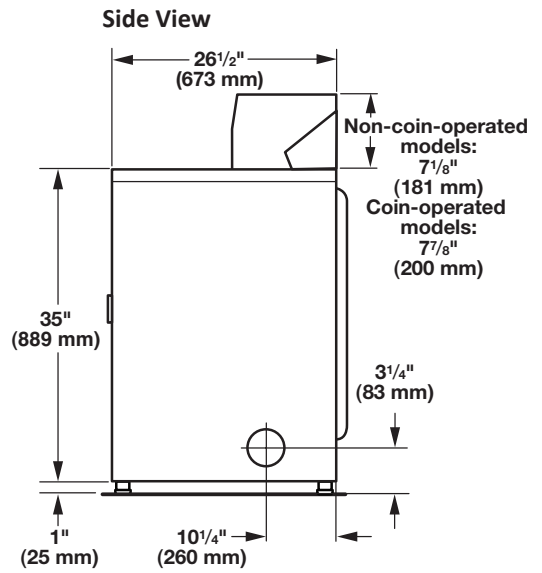
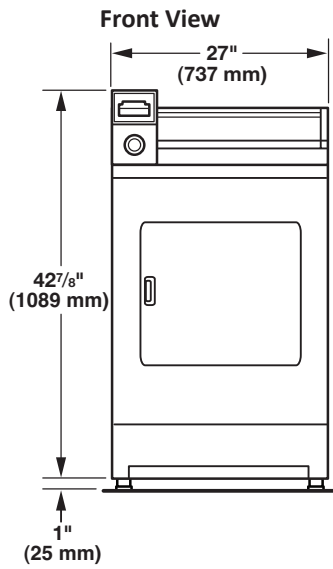
# DIMENSIONS/CLEARANCES

## Dimensions – 29" (737 mm) model

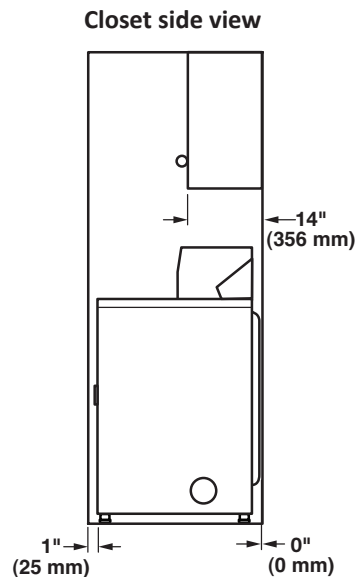
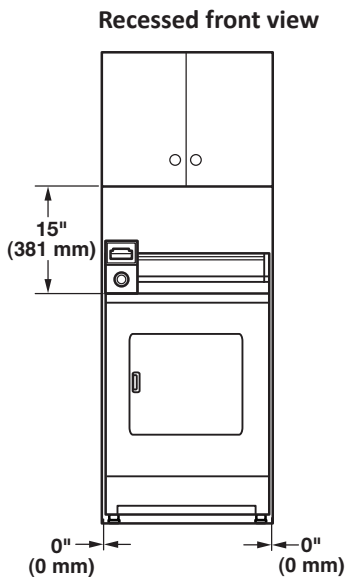


# DIMENSIONS/CLEARANCES

## Dimensions – 27" (686 mm) model




## Clearances



# LOCATION REQUIREMENTS

**⚠ WARNING**



**Explosion Hazard**  
**Keep flammable materials and vapors, such as gasoline, away from dryer.**  
**Do not install in a garage.**  
**Failure to do so can result in death, explosion, or fire.**

Your dryer can be installed in a basement, laundry room, or recessed area.

Companion appliance location requirements should also be considered.

**IMPORTANT:** Do not install or store the dryer where it will be exposed to the weather. Proper installation is your responsibility.

#### You will need:

- A grounded electrical outlet located within 6 ft. (1.8 m) of where the power cord is attached to the back of the dryer. See “Electrical Requirements.”
- A level floor with a maximum slope of 1" (25 mm) under entire dryer. Installing the dryer on soft floor surfaces, such as carpets or surfaces with foam backing, is not recommended.

#### Dryer installation clearances

- The location must be large enough to allow the dryer door to be fully opened.
- Additional spacing should be considered for ease of installation and servicing. The door opens more than 180°.
- Additional clearances might be required for wall, door, and floor moldings.
- Additional spacing of 1" (25 mm) on all sides of the dryer is recommended to reduce noise transfer.

#### When installing a gas dryer:

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

- Check code requirements: Some codes limit or do not permit installation of clothes dryers in garages, closets, or sleeping quarters. Contact your local building inspector.
- 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 Area and Closet Installation Instructions” below for minimum spacing requirements.

#### Recessed Area and Closet Installation Instructions

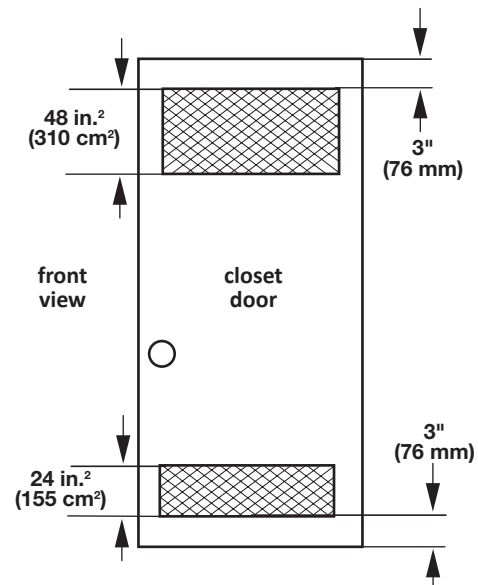
This dryer may be installed in a recessed area or closet. For recessed area and closet installations, minimum clearances can be found on the warning label on the rear of the dryer or in “Dimensions/Clearances.”

The installation spacing is in inches and is the minimum allowable. Additional spacing should be considered for ease of installation, servicing, and compliance with local codes and ordinances.

If closet door is installed, the minimum unobstructed air opening in the top and bottom is required. Louvered doors with equivalent air openings are acceptable.

The dryer must be exhausted outdoors.

No other fuel-burning appliance may be installed in the same closet as the dryer.





# GAS DRYER 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.**

**IMPORTANT:** The dryer must be electrically grounded in accordance with local codes and ordinances or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, latest edition, or Canadian Electrical Code, CSA C22.1. If codes permit and a separate ground wire is used, it is recommended that a qualified electrical installer determine that the ground path is adequate.

A copy of the above code standards can be obtained from:

National Fire Protection Association  
One Batterymarch Park, Quincy, MA 02269

CSA International  
8501 East Pleasant Valley Road  
Cleveland, Ohio 44131-5575

- Do not ground to a gas pipe.
- Do not have a fuse in the neutral or ground circuit.
- A 120 volt, 60 Hz, AC only, 15- or 20-amp, fused electrical circuit is required. A time-delay fuse or circuit breaker is also recommended. It is recommended that a separate circuit serving only this dryer be provided.
- This dryer is equipped with a power supply cord having a 3-prong grounding plug.
- To minimize the possibility of shock, the cord must be plugged into a mating, 3 prong, grounding-type outlet, grounded in accordance with local codes and ordinances. If a mating outlet is not available, it is the personal responsibility and obligation of the customer to have the properly grounded outlet installed by a qualified electrician.
- If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.
- Check with a qualified electrician if you are not sure the dryer is properly grounded.

## Gas Dryer Grounding

### 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 uses 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.
- For a permanently connected 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.

**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 on the power supply cord: if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

### SAVE THESE INSTRUCTIONS

# GAS REQUIREMENTS

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## Gas Supply

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### **⚠ WARNING**



#### **Explosion Hazard**

**Use a new CSA International 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" (330 mm) 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.**

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

This installation must conform with all local codes and ordinances. In the absence of local codes, installation must conform with American National Standard, National Fuel Gas Code ANSI Z223.1/NFPA 54 or CAN/CSA B149.

A copy of the above code standards can be obtained from:

National Fire Protection Association  
One Batterymarch Park, Quincy, MA 02269

CSA International  
8501 East Pleasant Valley Road  
Cleveland, Ohio 44131-5575

The design of this dryer has been certified by CSA International for use at altitudes up to 10,000 feet (3048 m) above sea level at the B.T.U. rating indicated on the model/serial plate. Burner input adjustments are not required when the dryer is operated up to this elevation.

When installed above 10,000 feet (3048 m), a four percent (4%) reduction of the burner B.T.U. rating shown on the model/serial plate is required for each 1,000 foot (305 m) increase in elevation. For assistance when converting to other gas types and/or installing above 10,000 feet (3048 m) elevation, contact your local service company.

# ELECTRIC DRYER ELECTRICAL REQUIREMENTS

## It is your responsibility:

- To contact a qualified electrical installer.
- To be sure that the electrical connection is adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-latest edition and all local codes and ordinances.
- The National Electrical Code requires a 4-wire power supply connection for homes built after 1996, dryer circuits involved in remodeling after 1996, and all mobile home installations.
- A copy of the above code standards can be obtained from: National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269.
- To supply the required 3 or 4 wire, single phase, 120/240 volt, 60 Hz., AC only electrical supply (or 3 or 4 wire, 120/208 volt electrical supply, if specified on the serial/rating plate) on a separate 30-amp circuit, fused on both sides of the line. A time delay fuse or circuit breaker is recommended. Connect to an individual branch circuit. Do not have a fuse in the neutral or grounding circuit.
- Do not use an extension cord.
- If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

## Electrical Connection

To properly install your dryer, you must determine the type of electrical connection you will be using and follow the instructions provided for it here.

- This dryer is manufactured ready to install with a 3-wire electrical supply connection. The neutral ground conductor is permanently connected to the neutral conductor (white wire) within the dryer. If the dryer is installed with a 4-wire electrical supply connection, the neutral ground conductor must be removed from the external ground connector (green screw), and secured under the neutral terminal (center or white wire) of the terminal block. When the neutral ground conductor is secured under the neutral terminal (center or white wire) of the terminal block, the dryer cabinet is isolated from the neutral conductor.
- If local codes do not permit the connection of a neutral ground wire to the neutral wire, see "Optional 3-wire connection" section.
- A 4-wire power supply connection must be used when the appliance is installed in a location where grounding through the neutral conductor is prohibited. Grounding through the neutral is prohibited for (1) new branch-circuit installations and (2) areas where local codes prohibit grounding through the neutral conductor.

## Electric Dryer Grounding

### 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 uses 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.
- For a permanently connected 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.


**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 on the power supply cord: if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

### SAVE THESE INSTRUCTIONS

# ELECTRIC DRYER ELECTRICAL REQUIREMENTS

## Electric Dryer Power Supply Cord

**⚠ WARNING**



**Fire Hazard**

**Use a new UL listed 30 amp power supply cord.**

**Use a UL listed strain relief.**

**Disconnect power before making electrical connections.**

**Connect neutral wire (white or center wire) to center terminal.**

**Ground wire (green or bare wire) must be connected to green ground connector.**

**Connect remaining 2 supply wires to remaining 2 terminals (gold).**

**Securely tighten all electrical connections.**

**Failure to do so can result in death, fire, or electrical shock.**

### If using a power supply cord:

Use a UL listed power supply cord kit marked for use with clothes dryers. The kit should contain:

- A UL listed 30-amp power supply cord, rated 120/240 volt minimum. The cord should be type SRD or SRDT and be at least 4 ft. (1.22 m) long. The wires that connect to the dryer must end in ring terminals or “U” shaped spade terminals with upturned ends.
- A UL listed strain relief.

### If your outlet looks like this:



**4-wire  
receptacle  
(14-30R)**

Then choose a 4-wire power supply cord with ring or spade terminals and UL listed strain relief. The 4-wire power supply cord, at least 4 ft. (1.22 m) long, must have four 10-gauge copper wires and match a 4-wire receptacle of NEMA Type 14-30R. The ground wire (ground conductor) may be either green or bare. The neutral conductor must be identified by a white cover.

### If your outlet looks like this:




**3-wire  
receptacle  
(10-30R)**

Then choose a 3-wire power supply cord with ring or spade terminals and UL listed strain relief. The 3-wire power supply cord, at least 4 ft. (1.22 m) long, must have three 10-gauge copper wires and match a 3-wire receptacle of NEMA Type 10-30R.

## Direct Wire

**⚠ WARNING**



**Fire Hazard**

**Use 10 gauge copper wire.**

**Use a UL listed strain relief.**

**Disconnect power before making electrical connections.**

**Connect neutral wire (white or center wire) to center terminal.**

**Ground wire (green or bare wire) must be connected to green ground connector.**

**Connect remaining 2 supply wires to remaining 2 terminals (gold).**

**Securely tighten all electrical connections.**

**Failure to do so can result in death, fire, or electrical shock.**

### If connecting by direct wire:

Power supply cable must match power supply (4-wire or 3-wire) and be:

- Flexible armored cable or nonmetallic sheathed copper cable (with ground wire), covered with flexible metallic conduit. All current-carrying wires must be insulated.
- 10-gauge solid copper wire (do not use aluminum).
- At least 5 ft. (1.52 m) long.

# DRYER VENTING REQUIREMENTS

## ⚠ WARNING



### Fire Hazard

Use a heavy metal vent.

Do not use a plastic vent.

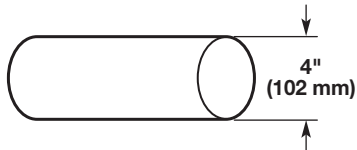
Do not use a metal foil vent.

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

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

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

Dryer exhaust must not be connected into any gas vent, chimney, wall, ceiling, attic, crawlspace, or a concealed space of a building. Only rigid or flexible metal vent shall be used for exhausting.



4" (102 mm) heavy, metal exhaust vent

- Only a 4" (102 mm) heavy, metal exhaust vent and clamps may be used.
- Do not use plastic or metal foil vent.

### Rigid metal vent:

- Recommended for best drying performance and to avoid crushing and kinking.

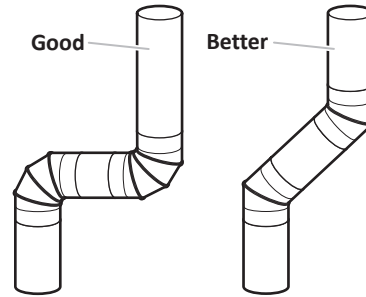
### Flexible metal vent: (Acceptable only if accessible to clean)

- Must be fully extended and supported in final dryer location.
- Remove excess to avoid sagging and kinking that may result in reduced airflow and poor performance.
- Do not install in enclosed walls, ceilings, or floors.
- The total length should not exceed 7<sup>3</sup>/<sub>4</sub> ft. (2.4 m).

**NOTE:** If using an existing vent system, clean lint from entire length of the system and make sure exhaust hood is not plugged with lint. Replace plastic or metal foil vents with rigid metal or flexible metal vents. Review "Vent System Chart" and if necessary, modify existing vent system to achieve best drying performance.

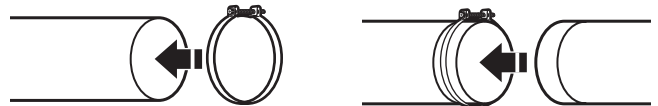
### Elbows:

- 45° elbows provide better airflow than 90° elbows.



### Clamps:

- Use clamps to seal all joints.
- Exhaust vent must not be connected or secured with screws or other fastening devices that extend into interior of duct and catch lint. Do not use duct tape.



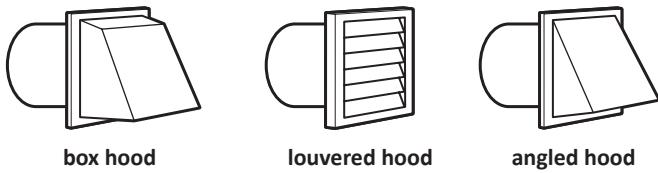
**Improper venting can cause moisture and lint to collect indoors, which may result in:**

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

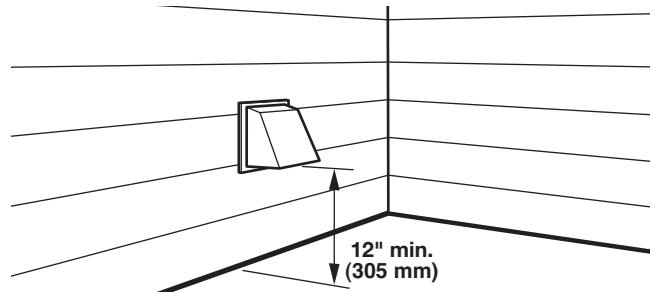
# DRYER VENTING REQUIREMENTS

## Vent Hoods

### 4" (102 mm) Diameter Exhaust Hoods



Exhaust hood must be at least 12" (305 mm) from the ground or any object that may be in the path of the exhaust (such as flowers, rocks, bushes, or snow).



## Vent System Length

### Maximum Vent Length/Vent Connection

Maximum length of vent system depends upon the type of vent used, number of elbows, and type of exhaust hood.

Vent System Chart (Rigid Metal Vent)

No. of 90° Turns	Box and Louvered Hood	Angled Hood
0	64 ft. (19.5 m)	58 ft. (17.7 m)
1	54 ft. (16.5 m)	48 ft. (14.6 m)
2	44 ft. (13.4 m)	38 ft. (11.6 m)
3	35 ft. (10.7 m)	29 ft. (8.8 m)
4	27 ft. (8.2 m)	21 ft. (6.4 m)

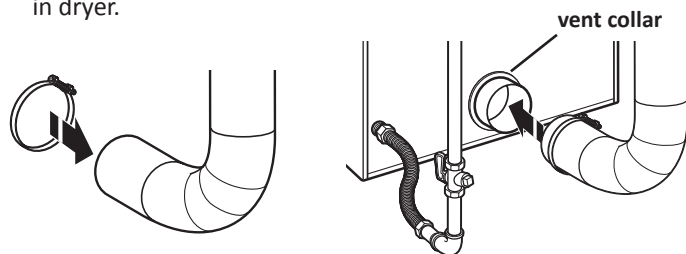
For vent systems not covered by the vent specification chart, see your parts distributor.

Provision must be made for enough air for combustion and ventilation. (Check governing codes and ordinances.) See "Recessed Area and Closet Installation Instructions" in the "Location Requirements" sections.

A 4" (102 mm) outlet hood is preferred. However, a 2½" (64 mm) outlet exhaust hood may be used. A 2½" (64 mm) outlet creates greater back pressure than other hood types. For permanent installation, a stationary vent system is required.

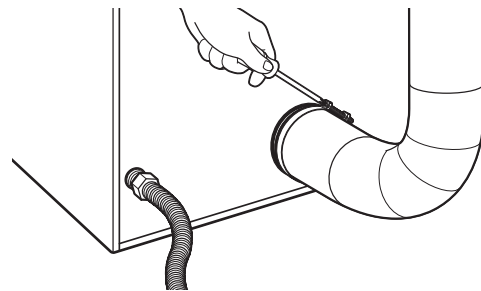
### Connect Vent

1. If connecting to existing vent, make sure the vent is clean.
2. Using a 4" (102 mm) clamp, connect vent to exhaust outlet in dryer.

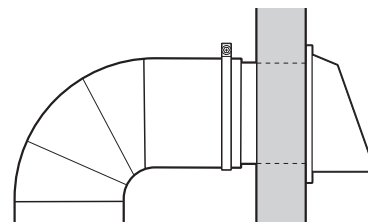


**NOTE:** Do not remove vent collar.

3. Tighten hose clamp with Phillips screwdriver.



4. Make sure the vent is secured to exhaust hood with a 4" (102 mm) clamp.

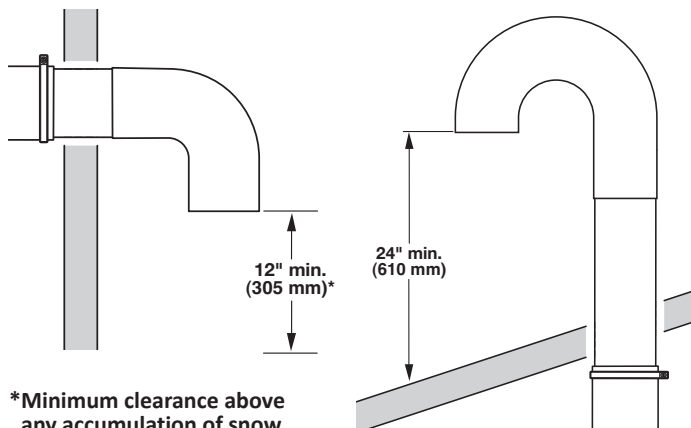


5. Move dryer into final position. Do not crush or kink vent. Make sure dryer is level.

# DRYER VENTING REQUIREMENTS

## If an Exhaust Hood Cannot be Used

The outside end of main vent should have a sweep elbow directed downward.



\*Minimum clearance above any accumulation of snow, ice, or debris such as leaves

If main vent travels vertically through the roof, rather than through wall, install a 180° sweep elbow on end of vent at least 2 ft. (610 mm) above surface of roof.

The opening in wall or roof shall have a diameter 1/2" (13 mm) larger than vent diameter. Vent should be centered in opening.

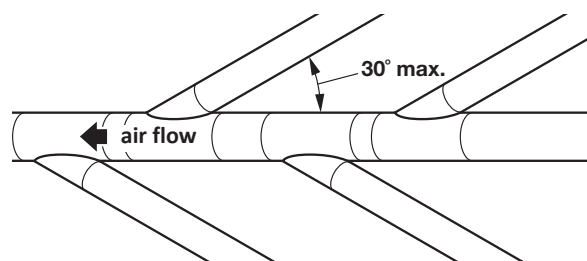
Do not install screening over end of vent for best performance.

## Multiple Dryer Venting

A main vent can be used for venting a group of dryers. The main vent should be sized to remove 5663 l/min. (200 CFM) of air per dryer. Large-capacity lint screens of proper design may be used in main vent if checked and cleaned frequently. The room where the dryers are located should have make-up air equal to or greater than CFM of all the dryers in the room.

Back-draft Damper Kit, Part No. 3391910, is available from your distributor and should be installed in the vent of each dryer to keep exhausted air from returning into dryers and to keep exhaust in balance within main vent. Unobstructed return air openings are required.

Each vent should enter the main vent at an angle pointing in the direction of the airflow. Vents entering from the opposite side should be staggered to reduce the exhausted air from interfering with the other vents.



The maximum angle of each vent entering the main vent should be no more than 30°.

Keep air openings free of dry cleaning fluid fumes. Fumes create acids which, when drawn through the dryer heating units, can damage dryers and items being dried.

A clean-out cover should be located on the main vent for periodic cleaning of the vent system.

# GAS SUPPLY CONNECTION

## Make Gas Connection

### **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. Remove red cap from gas pipe on back of dryer.
2. Connect gas supply to dryer. Use a pipe thread compound approved for the type of gas supplied. If flexible metal tubing is used, be certain there are no kinks.  
If necessary for service, open the toe panel by removing the 2 1/4" hex-head screws from the bottom of the panel. Then lift up on the panel while pulling the bottom of the panel away from the dryer.
3. Open the shut-off valve in the gas supply line and make sure the dryer has its own gas supply opened.
4. Test all connections by brushing on an approved noncorrosive leak-detection solution. Bubbles will show a leak. Correct any leaks found.

# GAS SUPPLY CONNECTION

## Type of Gas

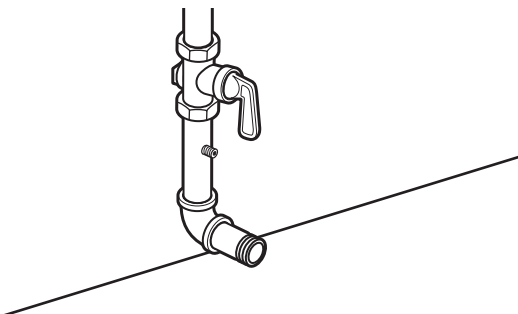
This dryer is equipped for use with natural gas. It is design-certified by CSA International for LP (propane and butane) gases with appropriate conversion. No attempt shall be made to convert dryer from gas specified on serial/rating plate for use with a different gas without consulting the serving gas supplier. Conversion must be done by a qualified service technician.

Gas conversion kit part numbers are listed on gas valve burner base.

## Gas Supply Line

### Recommended Method

Provide a gas supply line of 1/2" (13 mm) rigid (IPS) pipe to dryer location. Pipe joint compounds that resist action of LP gas must be used. Do not use TEFLON<sup>®</sup>† tape. With LP gas, piping or tubing size can be 1/2" (13 mm) minimum. Usually, LP gas suppliers determine size and materials used in the system.



### Gas Supply Pressure Testing

A 1/8" (3 mm) NPT minimum plugged tapping, accessible for gauge testing, must be installed immediately downstream of the installed shut-off valve to the dryer (as shown above). The dryer must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2" psig (352 kg/m<sup>2</sup>).

### Alternate Method

The gas supply may also be connected using 3/8" (10 mm) approved copper or aluminum tubing. If the total length of the supply line is more than 20 ft. (6.1 m), larger tubing will be required.

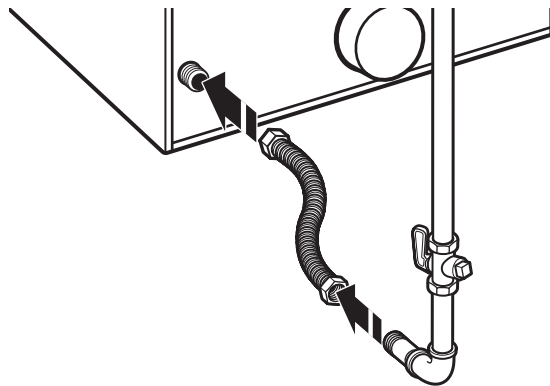
If using natural gas, do not use copper tubing. Pipe joint compounds that resist action of type of gas supplied must be used.

### Shut-off valve required

The supply line must be equipped with a manual shut-off valve installed within 6 ft. (1.8 m) of dryer in accordance with National Fuel Gas Code, ANSI Z223.1. This valve should be located in same room as dryer. It should be in a location that allows ease of opening and closing. Do not block access to shut-off valve. In Canada, an individual manual shut-off valve must be installed in accordance with the B149 installation codes CAN/CGA B149.1 and CAN/CGA B149.2.

### Flexible Metal Appliance Connector

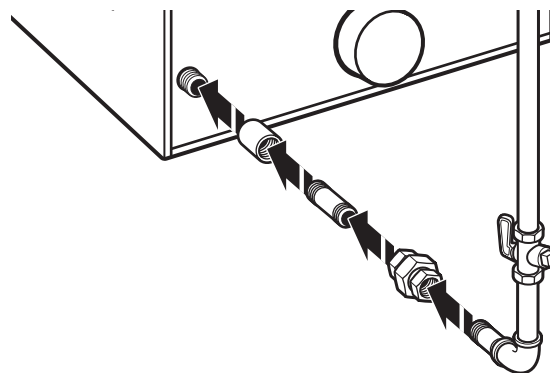
It is recommended that a new flexible stainless steel gas line, design-certified by CSA International, be used for connecting the dryer to the gas supply line. (The gas pipe which extends through the lower rear of the dryer is provided with 3/8" [10 mm] male pipe thread.)



**NOTE:** Do not kink or damage the flexible stainless steel gas line when moving the dryer.

### Rigid Pipe Connection

The rigid pipe connection requires a combination of pipe fittings to obtain an in-line connection to the dryer.



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



# INSTALLING LEVELING LEGS, COIN SLIDE, AND COIN BOX

The console houses the factory-installed accumulator timer with actuating arm and button.

The factory-installed timer is set to provide 45 minutes (4 pins) of drying time when activated by the coin slide. Timer cams for 30-minute (6 pins) and 60-minute (3 pins) drying times are included in the parts bag.

The coin slide mechanism, control panel lock and key, and coin box lock and key are not included and are available from the usual industry sources.

## ⚠ 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.**

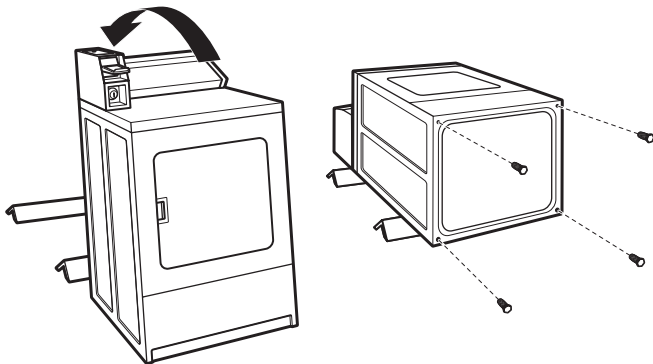
### 1. Prepare dryer for leveling legs

**NOTE:** Slide dryer onto cardboard or hardboard before moving to avoid damaging floor covering.

Using two or more people, move dryer to desired installation location.

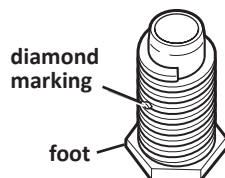
Take tape off front corners of dryer. Open dryer and remove the literature and parts packages. Wipe drum interior with a damp cloth to remove any dust.

Take two cardboard corners from the dryer carton and place them on the floor in back of the dryer. Firmly grasp the body of the dryer and gently lay it on its back on the cardboard corners.



### 2. Screw in leveling legs

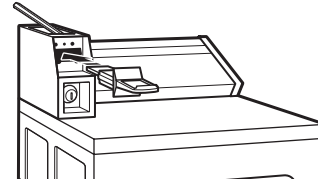
Examine leveling legs and find diamond marking. Screw legs into leg holes by hand. Use an adjustable wrench or 25 mm (1") hex-head socket wrench to finish turning legs until diamond marking is no longer visible.



To avoid damage to the floor, use a large piece of cardboard from the dryer carton. Stand dryer up on the cardboard. Slide the dryer until it is close to its final location. Leave enough room for electrical connection and to connect the exhaust vent.

### 3. Install coin slide and coin box

Remove the service door of the meter case by lifting it up at the back. Install the money-accepting device. (Refer to manufacturer's instructions for proper installation.)



For dryers using coin slides, use the adapter kit supplied with the dryer.

Replace the meter case service door. Put the coin vault with lock and key in the meter case opening.

Remove cardboard or hardboard from under dryer. Adjust the legs of the dryer up or down until the dryer is level.

### 4. Install added security device

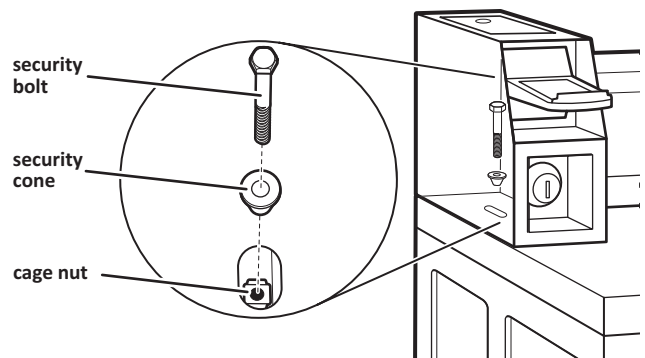
Check that power is not supplied to the dryer.

Open and remove the service door.

Insert the narrow part of the security cone into the oblong hole in the bottom rear of the meter case assembly.

Pass the security bolt through this cone and thread it by hand into the cage nut below the oblong hole.

Tighten the security bolt by hand a few turns before using a wrench to tighten until snug.

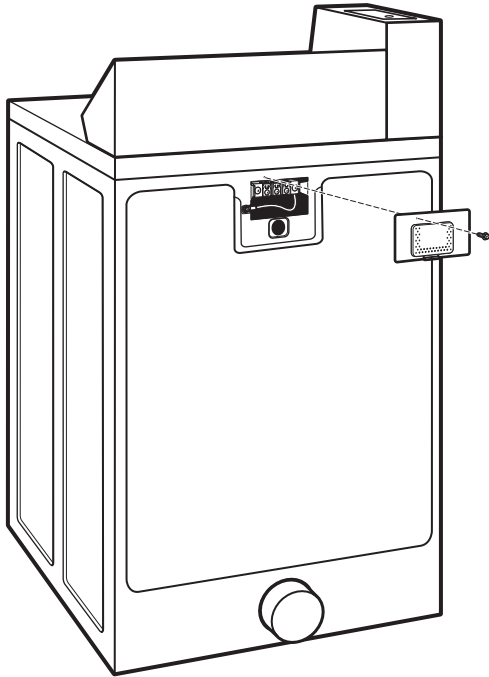


**NOTE:** Installing the security bolt provides added security, but will add to the service time when the top needs to be removed for servicing the dryer.

# ELECTRIC DRYER ELECTRICAL CONNECTIONS

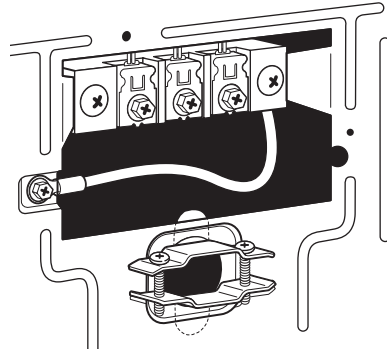
## Strain Relief

### Remove Terminal Block Cover

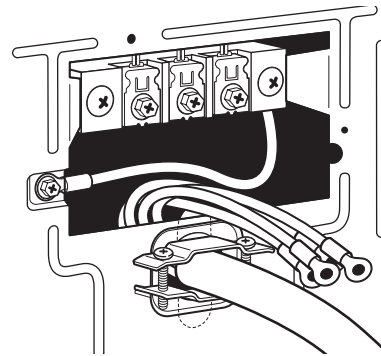


### Power Supply Cord Strain Relief

1. Insert strain relief.



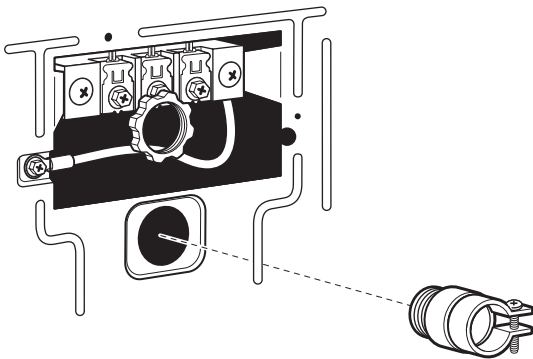
2. Insert power cord into strain relief.



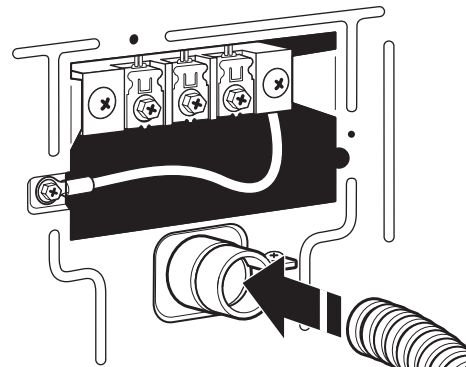
## Strain Relief

### Direct Wire Strain Relief

1. Insert strain relief.



2. Insert conduit into strain relief and tighten clamp.

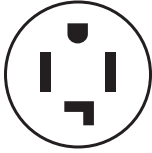


# ELECTRIC DRYER ELECTRICAL CONNECTIONS

## Connection Options

### Power Cord

4-wire receptacle (NEMA Type 14-30R)

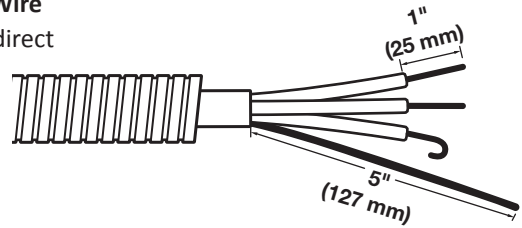


3-wire receptacle (NEMA Type 10-30R)

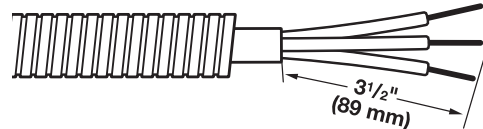


### Direct Wire

4-wire direct



3-wire direct



## Connecting 4-Wire Connection: Power Supply Cord

**IMPORTANT:** A 4-wire connection is required for mobile homes and where local codes do not permit the use of 3-wire connections.

### Standard Power Supply Cord Connectors



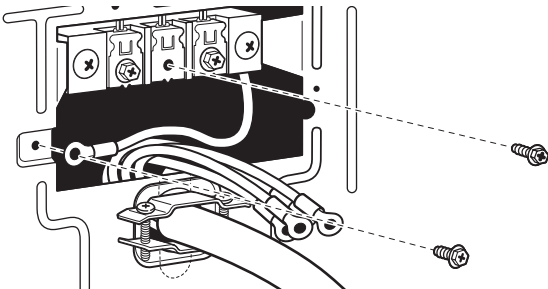
Flanged spade connector



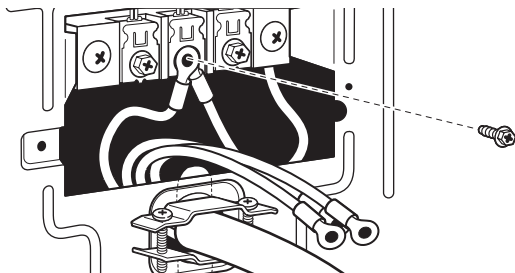
Ring Connector

### Connecting Ground and Neutral Wires

1. Remove center terminal block screw and the ground wire by removing the external ground connector screw.

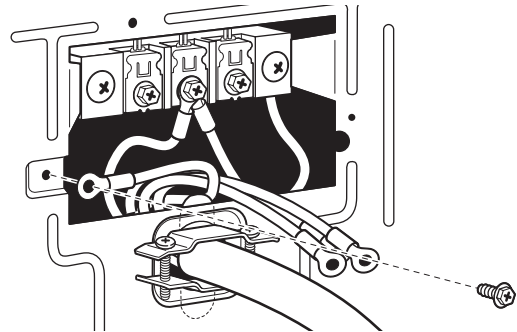


2. Connect ground and neutral wire to center terminal block.



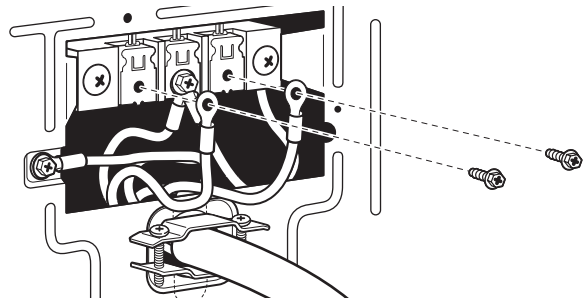
### Connecting Direct Wire Ground

3. Connect ground wire (green or bare) with external ground connector screw.



### Connecting Remaining Wires

4. Connect remaining wires with outer terminal block screws.



# ELECTRIC DRYER ELECTRICAL CONNECTIONS

## Connecting 3-Wire Connection: Power Supply Cord

### Standard Power Cord Connectors



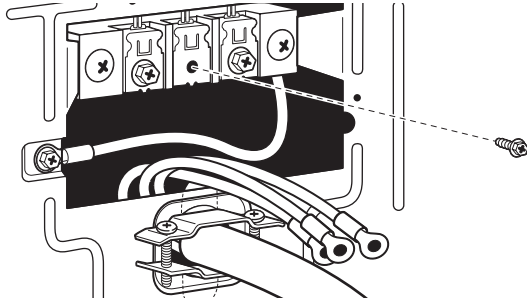
Flanged spade connector



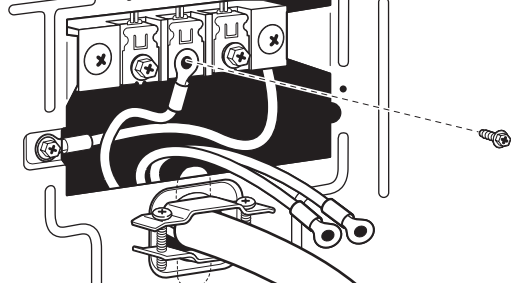
Ring Connector

### Connecting Neutral Wire

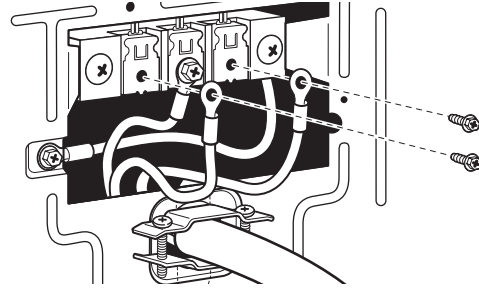
1. Loosen or remove center terminal block screw.



2. Connect neutral wire to center terminal block.



3. Connect remaining wires with outer terminal block screws.



## Connecting 4-Wire Connection: Direct Wire

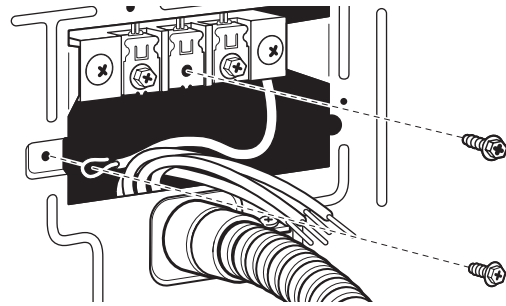
**IMPORTANT:** A 4-wire connection is required for mobile homes and where local codes do not permit the use of 3-wire connections.

Direct wire cable must have 5 ft. (1.52 m) of extra length so dryer can be moved if needed.

Strip 5" (127 mm) of outer covering from end of cable, leaving bare ground wire at 5" (127 mm). Cut 1½" (38 mm) from 3 remaining wires. Strip insulation back 1" (25 mm). Shape ends of wires into a hook shape.

### Connecting Ground and Neutral Wires

1. Remove center terminal block screw and the ground wire by removing the external ground connector screw.

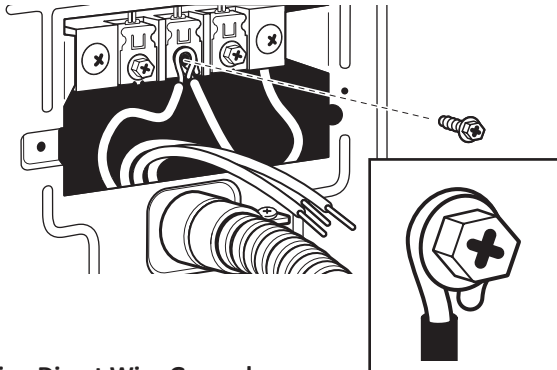


# ELECTRIC DRYER ELECTRICAL CONNECTIONS

## Connecting 4-Wire Connection: Direct Wire

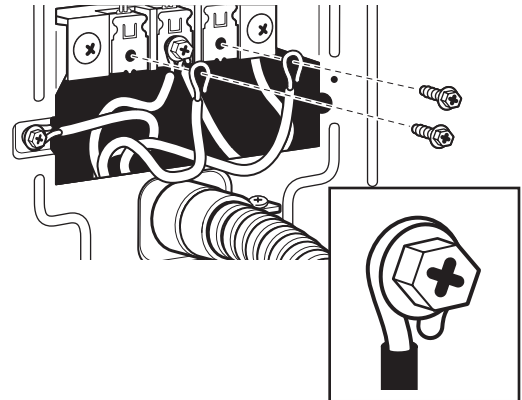
### Connecting Ground and Neutral Wires (cont.)

2. Connect ground and neutral wire to center terminal block.



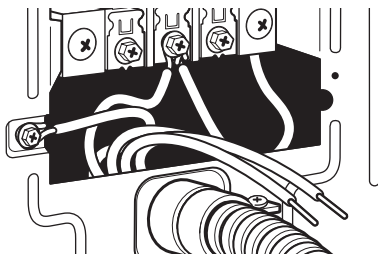
### Connecting Remaining Wires

4. Connect remaining wires to outer terminal block.



### Connecting Direct Wire Ground

3. Connect ground wire (green or bare) with external ground connector screw.



## Connecting 3-Wire Connection: Direct Wire

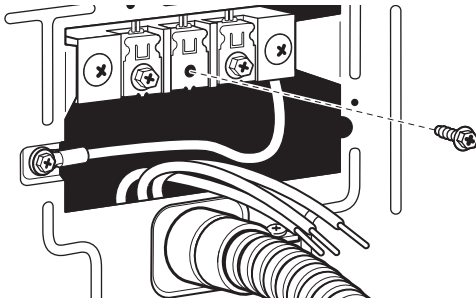
Use where local codes permit connecting cabinet-ground conductor to neutral wire.

Direct wire cable must have 5 ft. (1.52 m) of extra length so dryer can be moved if needed.

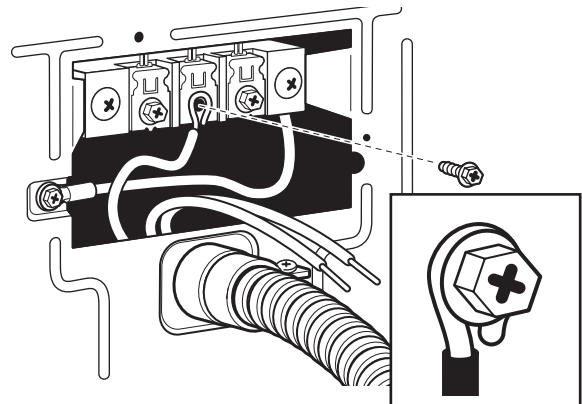
Strip 3½" (89 mm) of outer covering from end of cable. Strip insulation back 1" (25 mm). If using 3-wire cable with ground wire, cut bare wire even with outer covering. Shape ends of wires into a hook shape.

### Connecting Neutral Wire

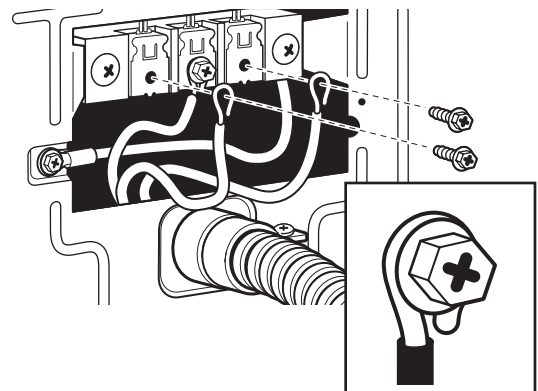
1. Loosen or remove center terminal block screw.



2. Connect neutral wire to center terminal block.



3. Connect remaining wires to outer terminal block.



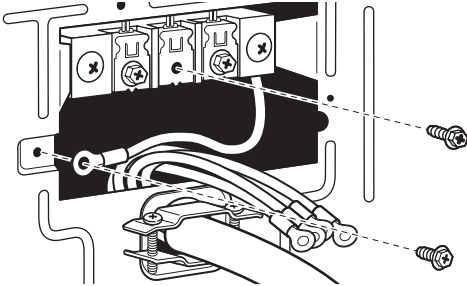
# ELECTRIC DRYER ELECTRICAL CONNECTIONS

## Connecting 3-Wire Connection: Optional

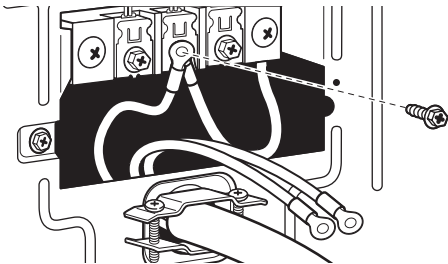
Use for direct wire or power supply cord where local codes do not permit connecting cabinet-ground conductor to neutral wire.

### Connecting Neutral Wire

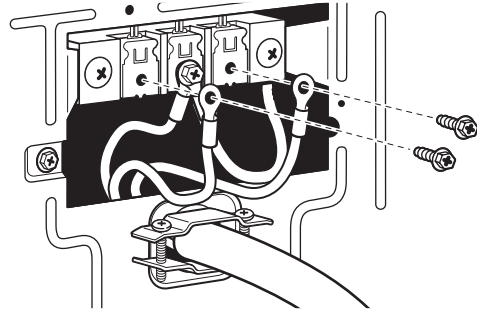
1. Remove center terminal block screw. Also remove neutral ground wire by removing external ground conductor screw.



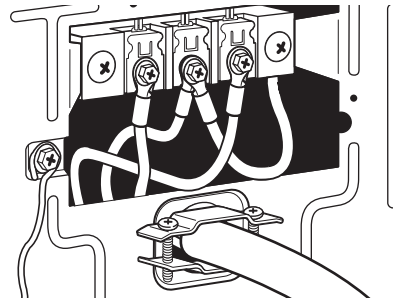
2. Connect neutral wire and neutral wire of power supply cord/cable to center terminal block.



3. Connect remaining wires to outer terminal block.



4. Connect a separate copper ground wire from the external ground conductor to an adequate ground.



## LEVELING

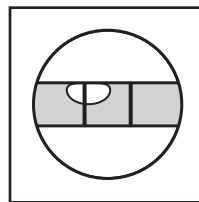
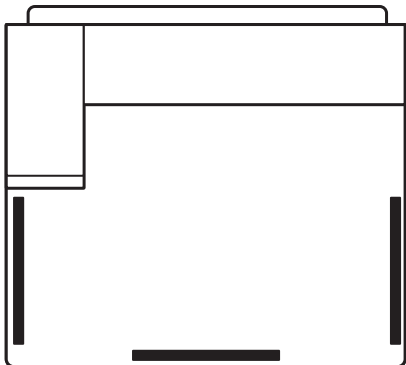
Leveling your dryer properly reduces excess noise and vibration.

### ⚠ WARNING

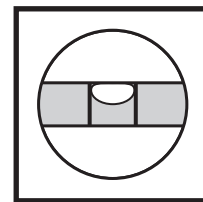
#### Excessive Weight Hazard

Use two or more people to move and install dryer.  
Failure to do so can result in back or other injury.

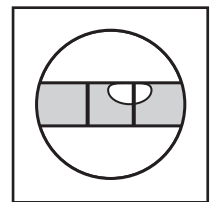
1. Remove cardboard from beneath dryer. Place a level on top edges of dryer, checking each side and front. If not level, tip dryer and adjust legs up or down as shown in Steps 3 and 4, repeating as necessary.



Not Level



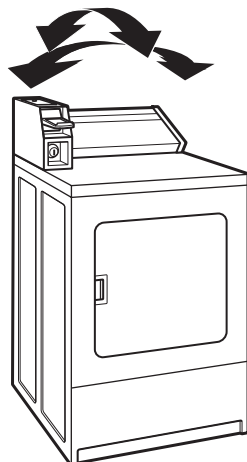
LEVEL



Not Level

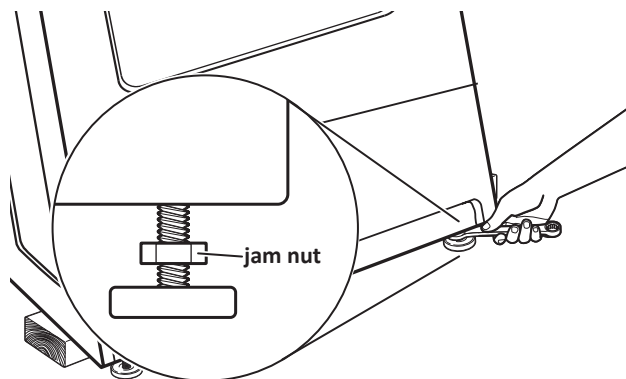
# LEVELING

2. Grip dryer from top and rock back and forth, making sure all four legs are firmly on floor. Repeat, rocking dryer from side to side. If dryer rocks, go to Step 3 and adjust leveling legs. If all four legs are in firm contact with floor, go to Step 4.



3. If dryer is not level, use a 1" or 25 mm open-end or adjustable wrench to turn jam nuts clockwise (as viewed from above) on legs until they are about 1/2" (13 mm) from the dryer cabinet. Then turn the leveling leg counterclockwise to lower the dryer or clockwise to raise the dryer. Recheck levelness of dryer and that all four legs are firmly in contact with the floor. Repeat as needed.

**HELPFUL TIP:** You may want to prop up front of dryer about 4" (102 mm) with a wood block or similar object that will support weight of dryer.



4. When dryer is level and all four legs are firmly in contact with the floor, use a 1" or 25 mm open-end or adjustable wrench to turn jam nuts counterclockwise (as viewed from above) on leveling legs tightly against dryer cabinet.

**HELPFUL TIP:** You may want to prop dryer with wooden block.

# COMPLETE INSTALLATION

1. Check the electrical requirements. Be sure that you have the correct electrical supply and the recommended grounding method. See "Electrical Requirements."
2. Check that all parts are now installed. If there is an extra part, go back through the steps.
3. Check that you have all of your tools.
4. Dispose of/recycle all packaging materials.

## ⚠ 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.**

5. Plug into a grounded outlet, or connect power.

6. Check dryer operation. Close dryer door. Insert coins and press slide in slowly. (Operating time will accumulate per number of coins and type of timing cam used.) Push START button. Using a full heat cycle (not the air cycle), let the dryer run for at least five minutes. Dryer will stop when time is used up.

**NOTE:** Dryer door must be closed for dryer to operate. When door is open, dryer stops, but timer continues to run. To restart dryer, close door and push START button.

7. Open the dryer door. Check that the inside of the dryer is warm. If the burner does not ignite and you can feel no heat inside the dryer, shut off dryer for five minutes. Check that all supply valve controls are in "ON" position and that the electrical cord is plugged in. Repeat five-minute test.
8. If drying time is too long, make sure that the lint screen is clean and that there are no obstructions to airflow in the dryer vent system.
9. Restart the dryer and allow it to complete a full heat cycle (not air cycle) to make sure it is working properly.

# CHANGING TO A 30- OR 60-MINUTE TIMING CAM

## ⚠ WARNING



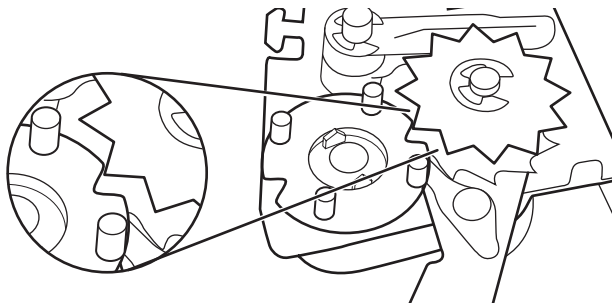
### Electrical Shock Hazard

Disconnect power before making cam changes.

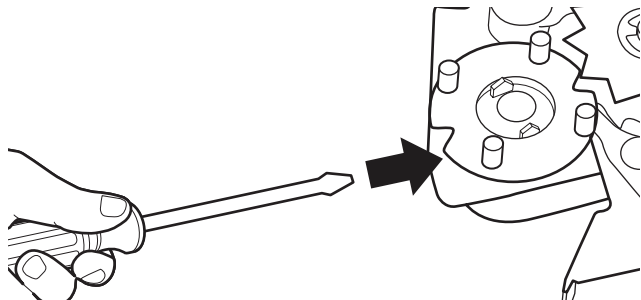
Failure to follow these instructions can result in death or electrical shock.

**Coin-slide models:** You can install the 30-minute or 60-minute timing cam (shipped with dryer) as follows:

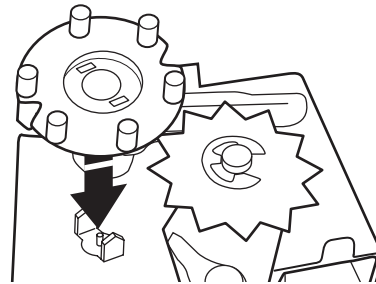
1. Unplug dryer or disconnect power.
2. Unlock meter case.
3. Turn the timing cam by hand until the V-shaped notch lines up below the ratchet tooth.



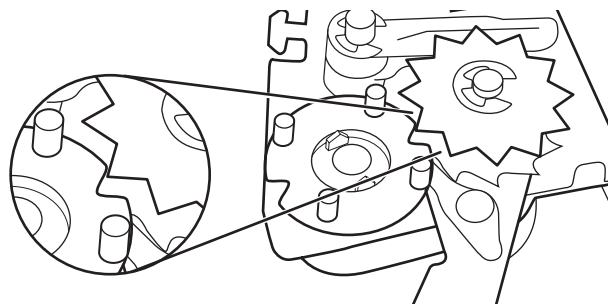
4. Insert a narrow, flat-blade screwdriver under the timing cam near the clock shaft. Gently lift cam straight up and off shaft, making sure that the V-shaped notch clears the ratchet tooth.



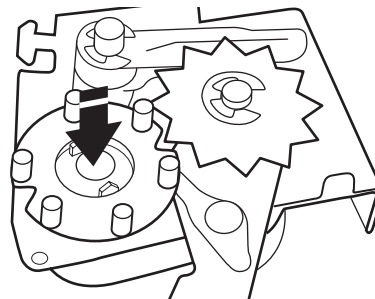
5. Place new cam (hub side down) over clock shaft. Line up flat side of shaft with flat side of cam hole. Check that drive lug is in place.



6. Turn cam until V-shaped notch lines up with ratchet tooth.



7. Press cam down in place on clock shaft. Make sure that V-shaped notch clears the ratchet tooth.



8. Close and lock the meter case.
9. Plug in dryer or reconnect power.



# MAINTENANCE INSTRUCTIONS

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- Clean lint screen before and after each cycle.
- Removing accumulated lint:
  - From inside the dryer cabinet:  
Lint should be removed every 2 years or more often, depending on dryer usage. Cleaning should be done by a qualified person.
  - From the exhaust vent:  
Lint should be removed every 2 years, or more often, depending on dryer usage.
- Keep area around dryer clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Keep dryer area clear and free from items that would obstruct the flow of combustion and ventilation air.

## If dryer does not operate, check the following:

- Electrical supply is connected.
- Circuit breaker is not tripped or house fuse is not blown.
- Door is closed.
- Controls are set in a running or “on” position.
- START button has been pushed firmly.
- For gas dryers, check that gas supply shut-off valves are set in open position.

# IF YOU NEED ASSISTANCE

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Contact your authorized Commercial Laundry distributor. To locate your authorized Commercial Laundry distributor, or for web inquiries, visit [www.WhirlpoolCommercialLaundry.com](http://www.WhirlpoolCommercialLaundry.com).

If you cannot locate your distributor, the Commercial Laundry Support Center will answer any questions about operating or maintaining your dryer not covered in the “Installation Instructions.”

Just dial **1-800 NO BELTS (1-800-662-3587)** — the call is toll free.

When you call, you will need the dryer model number and serial number. Both numbers can be found on the serial-rating plate located in the dryer door opening.

# NOTES

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