## Have questions about your dryer?

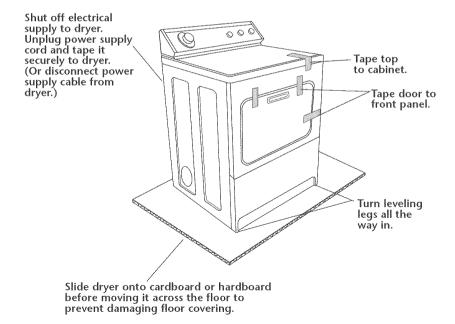
Check your Use and Care Guide for a toll-free number to call, or call your dealer. The dealer is listed in the Yellow Pages of your phone directory under "Appliances — Household — Major — Service and Repair."

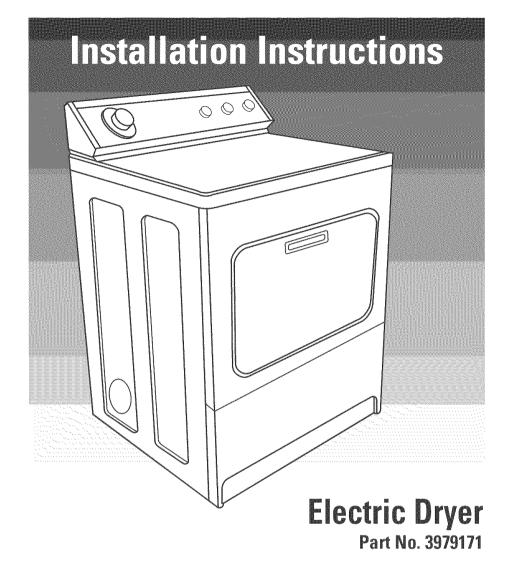
When you call, you will need the dryer model number and serial number. Both numbers are on the model/serial rating plate located in the door well behind the dryer door and on front of opening.

Record the numbers here for handy reference:	
Model No	
Serial No	

## Moving dryer to a new location?

Check with a licensed electrician to confirm that supply voltage at new home matches voltage specified on the model/serial rating plate.





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

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

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

**For best performance,** install dryer according to Installation Instructions. Failure to complete installation as instructed could void warranty.

Save Installation Instructions for local electrical inspector's use.

# **Dryer location** and dimensions

## **AWARNING**

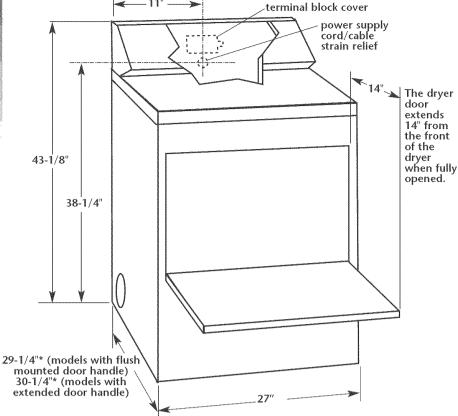


#### **Explosion Hazard**

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

Place dryer at least 18 inches above the floor for a garage installation. Failure to do so can result in death. explosion, or fire.

Dimensions shown with feet extended 1" from bottom of dryer.



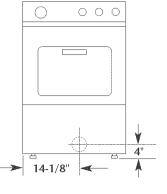
\*Most models will require at least 5" clearance behind the dryer for the dryer vent.

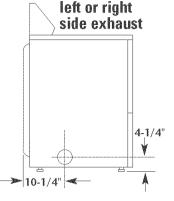
## For proper drying performance:

The location must provide:

- ✓ Protection from weather and water: Do not store or use dryer where it will be exposed to water and weather.
- ✓ Room temperature above 45°F: If room temperature is below 45°F, automatic cycles may not shut off.
- ✓ Level floor: Maximum slope under entire dryer should not be more than 1 inch. (If slope is greater than 1 inch, install Extended Dryer Feet Kit, Part No. 279810.) Clothes may not tumble properly and automatic sensor cycles may not operate correctly if dryer is not level.
- ✓ Sturdy floor to support dryer weight of 120 pounds.

#### **Exhaust dimensions** back exhaust





# bottom exhaust 14-1/8"-

## It is your responsibility to:

- ✓ Observe all governing codes and ordinances.
- ✓ 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.
- √ Comply with the installation specifications and dimensions.
- ✓ Consider spacing requirements for companion appliances.
- ✓ Make sure you have everything necessary for proper installation.
- ✓ Properly install dryer.
- ✓ Contact a qualified installer to insure that the electrical installation meets all national and local codes and ordinances.

## Recessed area/closet installation

WARNING — To reduce the risk of fire this appliance MUST BE EXHAUSTED OUTDOORS

#### Installation clearances

Use recommended clearance for easier installation.

Recommended/Minimum				
	Back	Sides	Тор	Front
Recessed	5"/0"	1"/0"	18"/15"	
Closet	5"/0"	1"/0"	18"/15"	1"/1"

- A clothes dryer produces combustible lint and must be exhausted outdoors.
- If codes permit, dryer may be installed in a recessed area or closet using dimensions shown.
- Dimensions are in inches and are the minimum allowable.
- Additional spacing should be considered for ease of installation and servicing. Companion appliance spacing should also be considered.

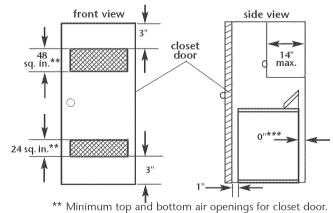
#### Recessed area installation

front view 15'

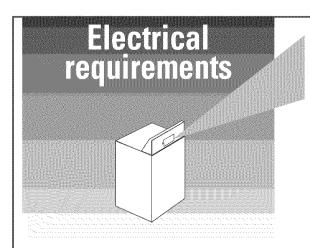
\* Wall, door and floor molding may require additional spacing.

## Closet/confined area installation

If a closet door is installed: The minimum unobstructed air openings are required. Louvered doors with equivalent air openings are acceptable.



- \*\*\* External exhaust elbow requires additional space.



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

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

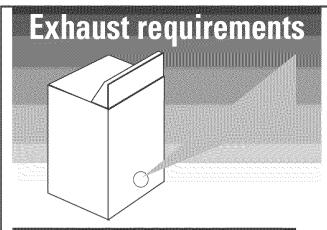
A four-wire or three-wire, single phase, 120/240volt, 60-Hz, AC-only, electrical supply (or four-wire or three-wire, 120/208-volt if specified on model/serial rating plate) is required on a separate 30-ampere circuit, fused on both sides of the line. A time-delay fuse or circuit breaker is recommended.

## Recommended ground method

It is the personal responsibility and obligation of the customer to contact a qualified electrician to assure that the electrical installation is adequate and is in conformance with the National Electrical Code, ANSI/NFPA 70 — latest edition\*\*\*\* and all local codes and ordinances.

Copies of the standards listed above may be obtained

\*\*\*\*National Fire Protection Association Batterymarch Park Quincy, Massachusetts 02269



## **AWARNING**



Fire Hazard

Use a heavy metal vent.

Do not use a plastic vent.

Do not use a metal foil vent.

Failure to do so can result in death or fire.

Important: Observe all governing codes and ordinances.

It is recommended that you exhaust your dryer to the outside for best performance. Moisture and lint indoors may cause:

- Lint to gather around the dryer where it can be fuel for a fire.
- Moisture damage to woodwork, furniture, paint, wallpaper, carpet, etc.
- $\bullet$  House cleaning problems and health problems.

Dura  $Safe^{TM}$  venting products are recommended and are available from your dealer.

Four-inch diameter vent must be used.

**Use a heavy metal vent.** Do Not use plastic or metal foil vent.

- Do Not use non-metal flexible vent, or exhaust hoods with magnetic latches.
- Do Not exhaust dryer into a chimney, wall, ceiling, furnace, cold air vent, duct, concealed space, attic or crawl space, or any other vent used for venting.
- Do Not install flexible vent in enclosed walls, ceilings or floors.

**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 vent to avoid sagging and kinking that may result in reduced air flow.

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

**Exhaust outlet hood** must be at least 12 inches 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 exhaust system, clean lint from entire

length of 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.

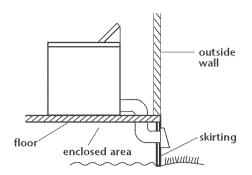
12" min.

**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.

#### Mobile home installation requirements

If codes permit, this appliance is suitable for mobile home installations. The installation of the dryer must conform to Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Homes Construction and Safety, Title 24, HUD Part 280) or latest edition.

The dryer must be exhausted outside.



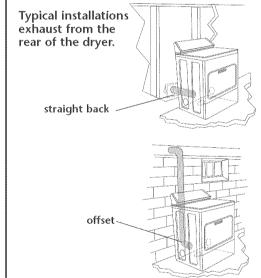
The exhaust vent must be securely fastened to a non-combustible protion of the mobile home structure and must not terminate beneath the mobile home.

## Plan the exhaust vent installation

#### Route the vent

**The exhaust outlet** is located at the center of the rear of the dryer.

The exhaust vent can be routed up, down, left, right or straight out the back of the dryer. See "Recessed area/closet installation" section, Panel A, for general space requirements.

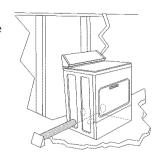


This dryer may be converted to exhaust out the right or left side or through the bottom.

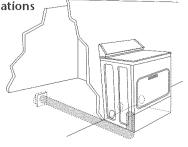
To convert the dryer, the following kits are available from your dealer:

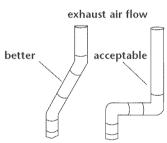
Exhaust Kit No. 279818 (white) Exhaust Kit No. 279819 (almond) Exhaust Kit No. 279925 (biscuit) Exhaust Kit No. 279969 (silver)

Typical installations for left or right side exhausting.



Typical installations for bottom exhausting.





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.

#### **Determine exhaust vent length**

The maximum length of the exhaust system depends upon:

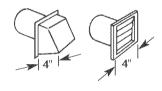
- the type of vent (rigid or flexible metal).
- the number of elbows used.
- side or bottom exhaust. Side or bottom exhaust adds a 90° turn inside the dryer. To determine maximum exhaust length, add one 90° turn to the chart.
- 1. See the exhaust vent length chart that matches your type hood for the maximum vent lengths you can use.

Do not use vent runs longer than specified in exhaust vent length charts.

Exhaust systems longer than specified will:

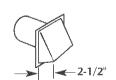
- accumulate lint creating a potential fire hazard.
- shorten the life of the dryer.
- reduce performance, resulting in longer drying times and increased energy usage.
- 2. Determine the number of elbows you will need.
- 3. In the column listing the type of metal vent you are using (rigid or flexible), find the maximum length of metal vent on the same line as the number of elbows.
- 4. Determine the number of 4" clamps you will need.

Preferred —



When	When you have a 4" hood  Maximum length of 4" diameter metal yent	
Number of	Rigid	Flexible
90° elbows		(fully extended)
0	64 ft.	36 ft.
1	54 ft.	31 ft.
2	44 ft.	27 ft.
3	35 ft.	25 ft.
4	27 ft.	23 ft.

Acceptable —



When you have a 2-1/2" hood		
	Maximum length of 4" diameter metal vent	
Number of	Rigid	Flexible
90° elbows		(fully extended)
0	58 ft.	28 ft.
1	48 ft.	23 ft.
2	38 ft.	19 ft.
3	29 ft.	17 ft.
4	21 ft.	15 ft.

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

For exhaust systems not covered by exhaust vent length charts (such as multiple unit hookups, plenums, and power-assist fans), see Service Manual, Part No. 603197. (To purchase the Service Manual, see your Use and Care Guide for a toll-free telephone number.)



## Now start installation (If installing washer and dryer, install dryer first.)

## A. Install vent system (new MSG BUOL

Put on safety glasses and gloves.

Install exhaust hood. Use caulking compound to seal exterior wall opening around exhaust hood.



Connect vent to exhaust hood with 4" clamp. (Exhaust vent MUST fit inside hood.)

Run exhaust vent to dryer location. Use the straightest path possible. (See Panel B.) Use clamps to secure vent pieces. Tin snips may be needed to cut vent to required length.

# B. Prepare dryer SLIDE DRYER ONTO CARDBOARD OR HARDBOARD BEFORE MOVING ACROSS FLOOR TO PREVENT FLOOR DAMAGE.

## **AWARNING**

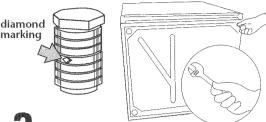
**Excessive Weight Hazard** 

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

Open dryer door and drying rack, if included. Wipe drum with damp cloth to remove any dust.

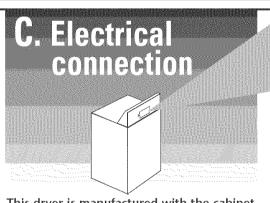
Take two cardboard corners from dryer carton and place them on floor in back of dryer. Firmly grasp body of dryer and gently lay it on its back on the cardboard corners.





Start to screw legs into holes by hand. Use an adjustable wrench or 1" hex-head socket wrench to finish turning legs until you reach the ridge with the diamond marking.

Stand dryer up on cardboard or hardboard.



This dryer is manufactured with the cabinetground conductor connected to the NEUTRAL (center) of the wiring harness at the terminal block. If local codes do NOT permit this type of connection, use "Four-wire connection" instructions.

GROUNDING INSTRUCTIONS: This appliance 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.

If using a power supply cord, the plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If using a direct wire connection, this appliance must be connected to a grounded metal, permanent wiring system; or an equipmentground conductor must be run with the circuit conductors and connected to the equipmentground terminal or lead on the appliance.

WARNING - Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the power supply cord plug. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.

## Power supply cord

## **1** WARNING



Fire Hazard

Use a new UL approved 30 ampere power supply cord.

Use a UL approved strain relief.

Disconnect power before making electrical connections.

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

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.

1. Disconnect the power supply.

hold-down screw 2. Remove hold-down screw and terminal terminal block cover. block cover external ground conductor screw

### Direct wire

## **A** WARNING



Fire Hazard

Use 10 gauge solid copper wire.

Use a UL approved strain relief.

Disconnect power before making electrical connections.

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

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.

strain relief **3.** Assemble 3/4" U.L.-listed strain relief clamp panel (U.L. marking on sections strain relief) into the hole below terminal block opening. Tighten strain relief strain relief screws just enough to hold the two clamp sections together. Install power supply cord/cable through the strain relief.

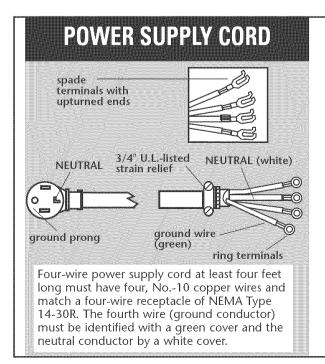
Complete installation following instructions for your type of connection:

- Four-wire (recommended method)
- Three-wire (if four-wire is not available)

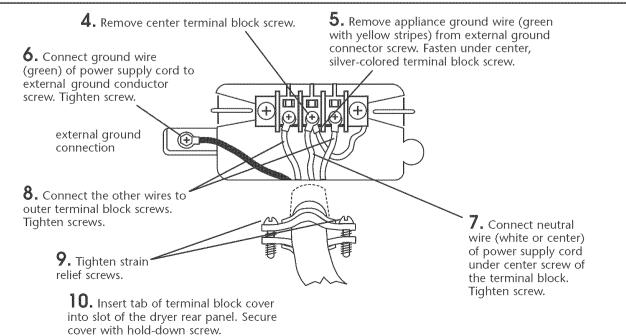
## Four-wire connection...



#### 14-30R Four-wire receptacle (required for mobile homes)



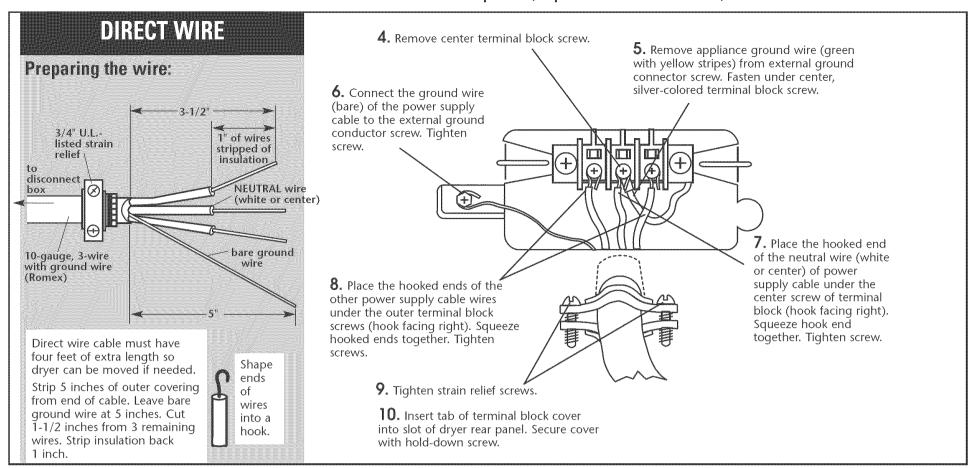




## Four-wire connection...



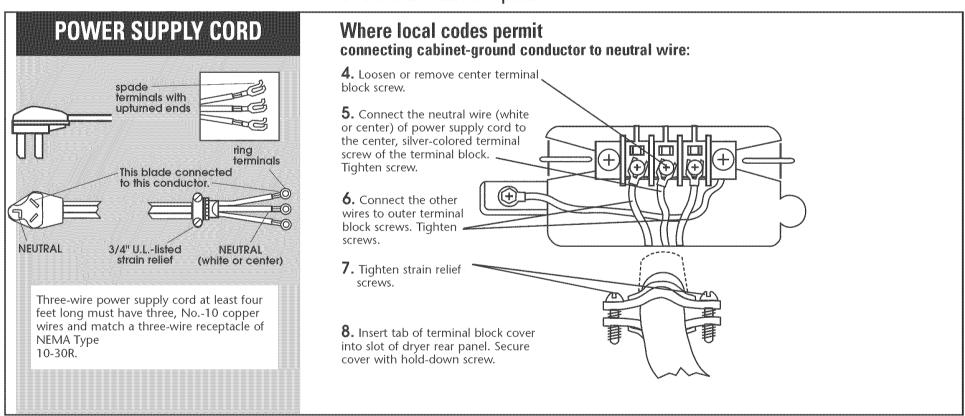
#### 14-30R Four-wire receptacle (required for mobile homes)

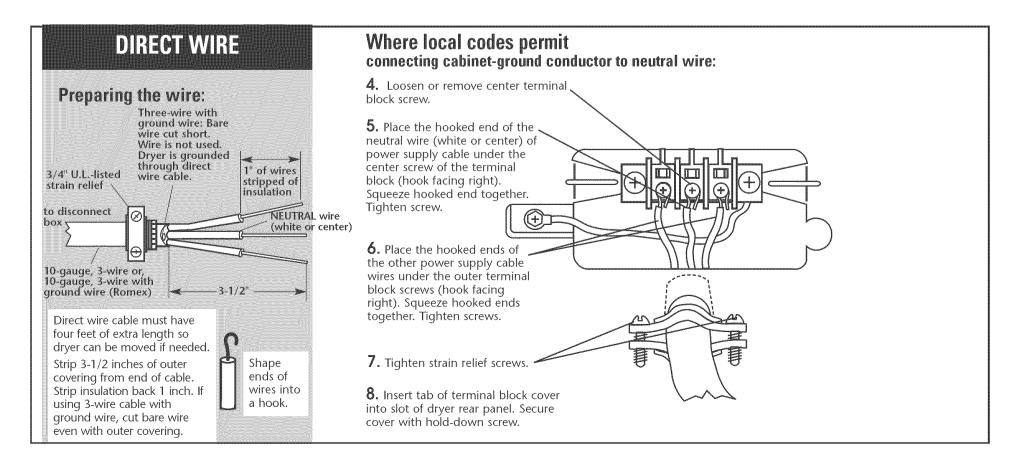


## Three-wire connection...



10-30R Three-wire receptacle





## DIRECT WIRE **OR POWER SUPPLY CORD**

Three-wire power supply cord must be four feet long and have three, No.-10 copper wires and match a three-wire receptacle of NEMA Type 10-30R.

**Direct wire power supply cable** must be prepared as shown in "Preparing the wire" of the three-wire connection direct-wire steps above.

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

#### Where local codes Do Not permit connecting cabinet-ground conductor to neutral wire:

4. Remove center terminal block screw.

6. Connect the other wires to outer terminal block screws. Tighten

7. Tighten strain relief screws.

8. Insert tab of terminal block cover into slot of dryer rear panel. Secure cover with hold-down screw.

9. Connect a separate copper ground wire from the external ground connector screw to an adequate ground.

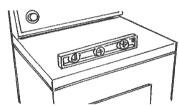
**5.** Remove the appliance ground wire (green with yellow stripes) from the external ground connector screw. Connect appliance ground wire and the neutral wire (white or center) of the power supply cord/cable under the center, silver-colored terminal block screw. Tighten screw.

## D. Level & exhaust the dryer

Dryer must be level to reduce noise and assure proper performance.

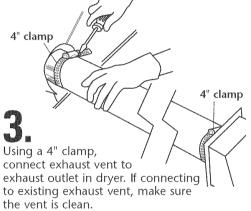
Slide dryer onto cardboard or hardboard before moving across floor to prevent floor damage.

Move dryer close to its permanent location. Leave enough room to connect exhaust vent. Remove cardboard or hardboard from under dryer.



Check levelness of dryer by placing a level on top of dryer, first side to side, then front to back. If dryer is not level, adjust dryer legs up or down.

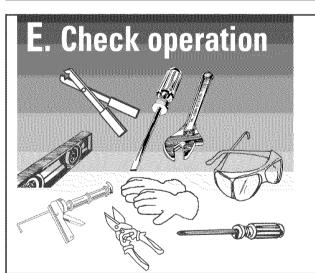
If legs are not long enough to level dryer, order Extended Dryer Feet Kit, Part No. 279810 (sold two legs per kit), from your dealer.



The dryer exhaust vent must fit over the dryer exhaust outlet and inside the exhaust hood.

Make sure exhaust vent is secured to exhaust hood with a 4" clamp.

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



Check that you:

did not skip any steps.

√ installed all parts.

properly installed dryer legs.

√ leveled dryer.

√ have secured all exhaust vent joints with 4" clamps.

✓ have all the tools you started with.

Plug power supply cord into grounded outlet or connect direct wire to power supply. Turn power supply on.

Periscopes For Offset

Outlets, Tight Installations

Read the Use and Care Guide to fully understand your new dryer. Select a full heat cycle (not the air cycle) and start dryer. After five minutes, open dryer door. You should feel heat inside dryer.

If dryer does not operate properly, check the following:

✓ electrical supply is connected.

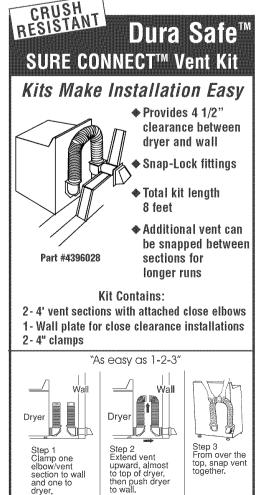
√ house fuse is intact and tight; or circuit breaker has not tripped.

✓ dryer door is closed.

 $\checkmark$  controls are set in a running or "On" position.

✓ start button has been pushed firmly.

If dryer makes an unusual noise, check that the dryer



Step 2 Extend vent upward, almost to top of dryer, then push dryer to wall. Dura Safe and Sure Connect are Trademarks of Whirlpool, U.S.A.

 Provides 2 1/2" clearance between dryer and wall Great for closet installations 0"-18", 18"-29" or 29"-50" periscopes include one male snap-lock fitting, one extra long 0"-18": Part #4396037 draw-band collar 18"-29": Part #4396011 29"-50": Part #4396014 and one clamp 0"-18" Periscope • Use when vent outlets overlap or are offset **◆** Excess length can Part #4396037 18"-29" and 29"-50" Periscone Sections separate fittings can face Swivel collar ame or opposite wall connection Telescoping Swivel collar sections Extra long band-clamp Beveled edges for dryer connection installations 18"-29" : Part #4396011 29"-50": Part #4396014

For more information, or to easily place your order, call

1-800-442-9991

To have your venting professionally installed, call

1-800-253-1301

for the nearest authorized service provider.



## **Before you start:**

#### Your safety and the safety of others is 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 hazards that can kill or hurt you and others. All safety

messages will be preceded by the safety alert symbol and the word "DANGER" or "WARNING". These words mean:

## **ADANGER**

You will be killed or seriously injured if you don't follow instructions.

## **AWARNING**

You can be killed or seriously injured if you don't follow instructions.

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

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

#### Tools needed:

- #2 Phillips screwdriver
- · flat-blade screwdriver
- · adjustable wrench that opens to 1" or 1" hexhead socket wrench (for adjusting dryer feet)
- level
- wire stripper (direct wire installations)

- safety glasses
- caulking gun and compound (new vent installation)
- aloves
- tin snips (new vent installations)

#### Parts supplied:

Remove parts package from dryer drum. Check that all 4 leas were included.



#### Parts needed:

Check local codes and see electrical and venting requirements. Panels A and B. before purchasing parts. Determine if you will need to purchase a power supply cord kit or power supply cable.

#### Electrical

#### If using a power supply cord:

Dryer power supply cord must be:

- U.L.-listed
- 30-ampere
- 120/240-volt minimum
- Type SRD or SRDT
- At least 4 feet long

The wires that connect to the dryer must end in ring terminals or spade terminals with upturned ends.

The receptacle must be located within 3 feet of the top, back center of the control console.

If your outlet looks like this:	Choose this power supply cord:
4-wire receptacle (14-30R)	4-wire power supply cord with ring or spade terminals and U.Llisted strain relief
(14-30R)	ring or spade terminals and
	U.Llisted strain relief
3-wire receptacle (10-30R)	3-wire power supply cord with ring or spade terminals and U.Llisted strain relief
(10-30R)	ring or spade terminals and
	U.Llisted strain relief

#### If connecting by direct wire:

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

- flexible armored or non-metallic sheathed copper cable (with ground wire). All current-carrying wires must be insulated. See Panels D and E.
- 10-GAUGE SOLID COPPER WIRE. (Do not use aluminum.)
- at least 4 feet long.

## Venting

## **AWARNING**



#### Fire Hazard

Use a heavy metal vent.

Do not use a plastic vent.

Do not use a metal foil vent.

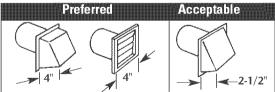
Failure to follow these instructions can result in death or fire.

Four-inch heavy metal exhaust vent and clamps must be used. Dura Safe™ vent products are recommended.

Dura Safe vent products can be purchased from your dealer or by calling Whirlpool Parts & Accessories 1-800-442-9991, Mon-Fri: 8am to 9pm (CST), Sat: 9am to 4:30pm (CST). Visit our internet site at http://www.whirlpoolappliances.com/accessories See Panel C for more information.

#### Exhaust hood

Do Not use exhaust hoods with magnetic latches.



#### Mobile home installations require:

- Mobile Home Installation Kit, Part Number 346764\*
- Metal exhaust system hardware\*

#### Floors sloped greater than 1 inch:

Require Extended Dryer Feet Kit, Part No. 279810\* \*Available for purchase from your dealer.