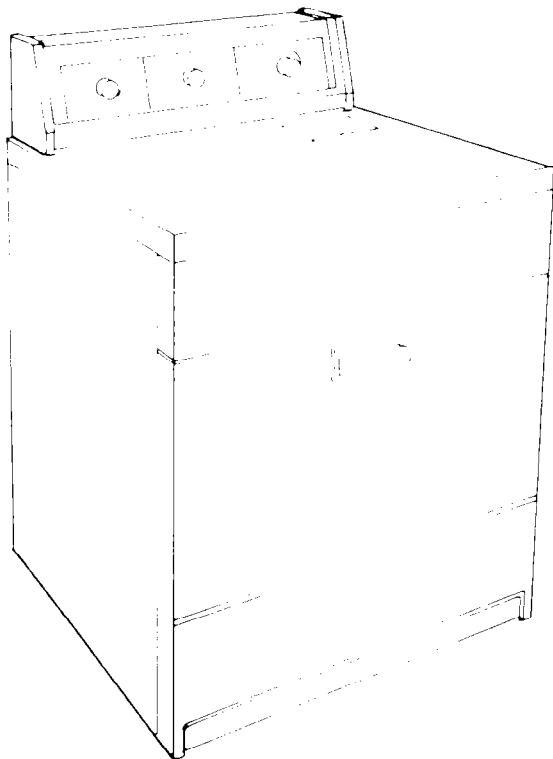


Installation Instructions

Electric Dryer



IMPORTANT:

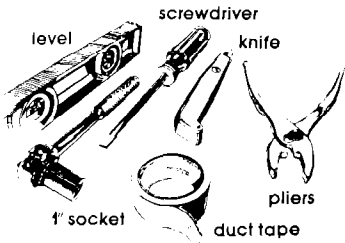
Installer: Leave Installation Instructions with the appliance.

Homeowner: Keep Installation Instructions for future reference.

Save Installation Instructions for local electrical inspector's use.

Before you start...

Mark an X across the letter or number as you complete each step.



A. You need these tools to install your Roper electric dryer. Get them together in one place to keep track of them.

B. Check the spot where you're going to install the dryer. Proper installation is your responsibility.

C. Make sure you have everything necessary for proper installation. You'll need:

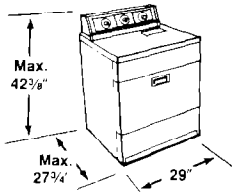
- To meet **code requirements**: some codes keep from or limit installation of clothes dryers in garages, closets, mobile homes and sleeping quarters. (Check with your local building inspector.)

Important: observe all governing codes and ordinances.

- To check **utilities**: proper connection to electric supply should be available.
- To check **exhaust requirements**: a four-inch metal exhaust duct is required.

LOCATION

Size: Must be large enough to fully open dryer door. For recessed or closet installation spacing see Panel B.



Support: The floor must be able to support the appliance weight of 175 pounds.

Level Floor: Maximum floor slope under dryer - 1 inch.

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.

WARNING

Fire Hazard

- Do Not use or store gasoline, paint, thinners and other flammable materials near dryer. Fumes from such materials could result in fire or explosion.
- Never install dryer up against draperies or curtains or on carpet.
- Keep any and all items from falling or collecting behind the dryer.
- Replace all access panels before operating dryer. Failure to follow these instructions could result in a fire or explosion.

Electrical requirements

WARNING

Electrical Shock Hazard

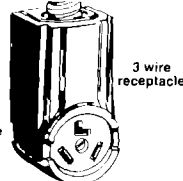
- Electrical ground is required on this appliance.
- Do Not fuse neutral or grounding circuit.
- Improper connection of the equipment-grounding conductor can result in a risk of electrical shock.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded. Do Not modify the power supply cord plug. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- Use a new 30-ampere power supply cord kit. Do Not reuse an old power supply cord. Possible electrical shock or fire hazard could occur if old power supply cord is used.
- Do Not use an extension cord with this appliance. Such use may result in a fire, electrical shock or other personal injury.
- Do Not plug the power supply cord (pigtail) into a live wall receptacle before connecting the pigtail to the terminal block. Read "Electrical Requirements," Panels A and B, for detailed instructions. Failure to follow these instructions could result in electrical shock.

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

It is the personal responsibility of the customer to contact a qualified installer 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.

Typical 30 ampere receptacles for use where local codes permit use of flexible power supply cord (pigtail).

Figure 1



- THE DRYER MUST BE CONNECTED WITH 10-GAUGE COPPER WIRE ONLY. Aluminum wire must not be used to avoid potentially unsatisfactory connections.
- Local codes may permit the use of a U.L.-listed, 120/240-volt minimum, 30-ampere, dryer power supply cord kit (pigtail). This cord contains three, No.-10 copper wires and matches a three-wire receptacle of NEMA Type 10-30R shown in Figure 1. Connectors on the dryer end must be ring terminals or spade terminals with upturned ends. A 3/4" U.L.-listed strain relief must be provided at the point the power supply cord enters the appliance.
- The appliance may be connected directly to the fused disconnect or circuit breaker box through flexible armored or non-metallic sheathed copper cable. Allow two or three feet of slack in the line between the wall and the appliance so that it can be moved if servicing is ever necessary. A 3/4" U.L.-listed strain relief must be provided at each end of the power supply cord (at the appliance and at the junction box). Wire sizes (COPPER WIRE ONLY) and connections must conform with the rating of the appliance (30 amperes). Do Not use an extension cord.

IMPORTANT: OBSERVE ALL GOVERNING CODES AND ORDINANCES

- For mobile home or other four-wire installations, the appliance wiring must be revised. The appliance cabinet must not be connected to the neutral terminal, but must be connected to the grounding wire (green with yellow stripes) of the power supply cord or cable. (See Panel B, section C for details.) When a four-wire receptacle of NEMA Type 14-30R is used (see Figure 2), a matching 120/240-volt minimum, 30-ampere, U.L.-listed dryer power supply cord kit (pigtail) must be used. This cord contains four No.-10 copper conductors with ring terminals, or spade terminals with upturned ends on dryer end, terminating in a NEMA Type 14-30P plug on supply end. The fourth (grounding) conductor must be identified by a green or green/yellow cover and the neutral conductor by a white cover. Cord should be Type SRD or SRDT, with a 3/4" U.L.-listed strain relief and be at least four feet long. The power supply cord Receptacle and strain relief are not provided with the dryer.



Figure 2

GROUNDING INSTRUCTIONS

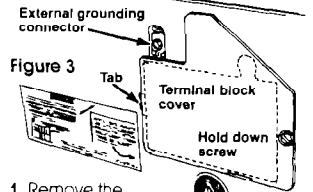
This appliance must be connected to a grounded metal, permanent wiring system; or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

Electrical ground is required on this appliance.

This appliance is manufactured with the neutral terminal connected to the cabinet.

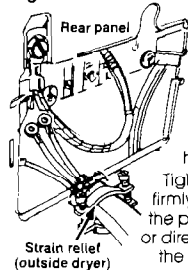
Make sure power supply is turned off.

A. if local codes permit connection of the frame grounding conductor to the neutral wire of the power supply cord:

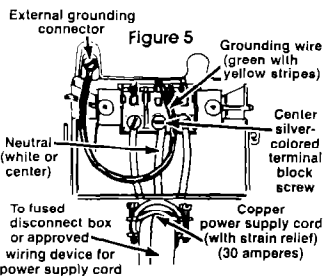


- Remove the terminal block cover by removing the screw shown in Figure 3.

Figure 4



- Attach a 3/4" U.L. listed strain relief (UL marked on it) to the dryer through the power supply cord hole. See Figure 4. Tighten strain relief firmly to cabinet. Place the power supply cord or direct wire through the strain relief.



Grounded neutral

- Connect the neutral wire of the power supply cord to the center silver-colored terminal of the terminal block and connect the other wires to the outer terminals. See Figure 5.

4. Replace the terminal block cover by first installing the tab of the cover into the slot of the dryer rear panel (see Figure 3). Secure the cover with the mounting screw.
5. Tighten strain relief clamp on power supply cord. See Figure 4.

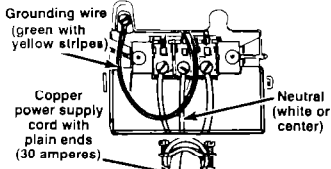
Direct wiring connection

1. Strip outer covering back 3 inches from the end exposing the 3 wires.
2. Strip the insulation back 1 inch from the end of each wire. Form the bare wire into a "U" shaped hook.



Figure 6

3. Loosen, do not remove, the center, silver-colored screw of the terminal block.
4. Slide the end of the neutral (white or center) wire under the screw head with the open side of the hook on the right. Squeeze the wire together to form a loop.
5. Tighten the screw firmly.
6. Connect the remaining 2 wires to the outer screws the same way. Tighten screws firmly.
7. Replace the terminal block cover by first installing the tab of the cover into the slot of the dryer rear panel (See Figure 3). Secure the cover with the mounting screw.
8. Tighten strain relief clamp on power supply cord. See Figure 4.

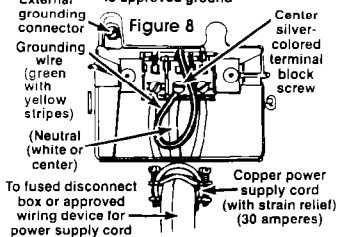


Direct wiring connection
Figure 7

B. If local codes DO NOT permit frame grounding to the neutral wire of the power supply cord:

1. Remove terminal block cover.
2. Attach a 3/4" UL-listed strain relief (UL marked on it) to the dryer through the power supply cord hole. See Figure 4. Tighten strain relief firmly to cabinet. Place the power supply cord or direct wire through the strain relief.
3. Remove the grounding wire (green) from the external grounding connector and fasten under center silver-colored terminal block screw.

Connect separate copper grounding wire from external grounding connector to approved ground



Ungrounded neutral

4. Connect the neutral wire of the power supply cord to the center silver-colored terminal of the terminal block and connect the other wires to the outer terminals. See Figure 8. For connecting plain-end wire see Figure 6.

5. Connect a separate copper grounding wire (No. 10 minimum) to a grounded cold water pipe* by means of a clamp and then to the frame of the appliance at the external grounding connector. Use Part No. 685463 grounding wire and clamp assembly. **Do not ground to a gas supply pipe or hot water pipe.** Do not connect the power supply cord to electric power supply until appliance is permanently grounded. See Figure 9.

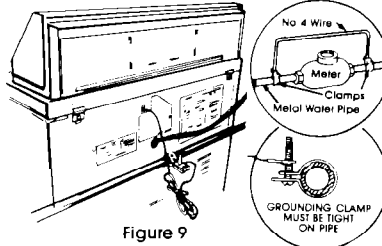


Figure 9

*Cold water pipe must have metal continuity to electrical ground and not be interrupted by plastic, rubber or other electrically insulating connectors (including water meter or pump) without adding a jumper wire at these connections.

6. Replace terminal block cover.
7. Tighten strain relief clamp on power supply cord. See Figure 4.

C. If connecting to a four-wire electrical system (mobile home):

1. Remove the terminal block cover by removing the screw shown in Figure 3.
2. Attach a 3/4" UL-listed strain relief (UL marked on it) to the dryer through the power supply cord hole. See Figure 4. Tighten strain relief firmly to cabinet. Place the power supply cord or direct wire through the strain relief.
3. Remove grounding wire (green) from the external grounding connector and fasten under center silver-colored terminal block screw.
4. Connect the grounding wire (green) of the power supply cord to the external grounding connector.
5. Connect the neutral wire (white) of the power supply cord to the center silver-colored terminal of the terminal block and connect the other wires to the outer terminals. See Figure 10.

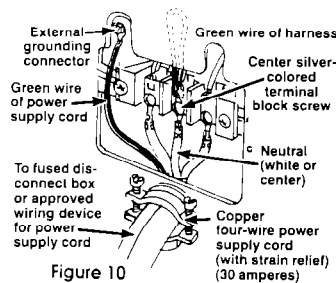


Figure 10
4-wire ungrounded neutral

6. Replace the terminal block cover by first installing the tab of the cover into the slot of the dryer rear panel (See Figure 3). Secure the cover with the mounting screw.
7. Tighten strain relief clamp on power supply cord. See Figure 4.

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. Improper air supply for exhausting may result in a fire.
- 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 increase energy usage.

Failure to follow specifications may result in a fire.

- This appliance should be exhausted outdoors.
- 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 under wall, ceiling or floor materials. Accumulated lint could result in a fire or cause moisture damage.

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

Use Duct Tape to seal all joints.

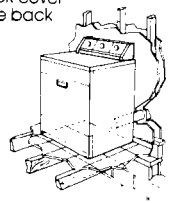


Exhausting the dryer outside is recommended. If you cannot exhaust the dryer to the outside, use Exhaust Deflector Part No. 3391278 available from your Roper dealer.

Exhaust Outlet is located at the center of the bottom dryer back.



The Exhaust Duct can be routed up, down, left, right or straight out the back of the dryer. Detailed space requirements can be found in Recessed and closet instructions, back cover and on the label on the back panel of dryer.

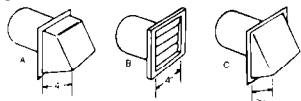


An **Exhaust Hood** should cap the exhaust duct to prevent exhausted air from returning into dryer. The outlet of the hood must be at least 12 inches from the ground or anything else that may be in the path of the exhaust.

A **2½ inch outlet Exhaust Hood** should be used with short systems only. (This outlet creates greater back pressure than other hood types.)

Exhaust Hoods with magnetic latches should **not** be used.

The **Maximum Length** of the exhaust system depends upon the type of duct, number of elbows and type of exhaust hood. The maximum length for both rigid and flexible duct is shown in chart.

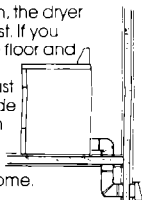


NUMBER OF 90° TURNS	EXHAUST HOOD TYPE			MAXIMUM LENGTH OF 4" DIA. RIGID METAL DUCT
	A	B	C	
0	64 FT.	64 FT.	58 FT.	MAXIMUM LENGTH OF 4" DIA. RIGID METAL DUCT
1	54 FT.	54 FT.	48 FT.	
2	44 FT.	44 FT.	38 FT.	
3	35 FT.	35 FT.	29 FT.	
4	27 FT.	27 FT.	21 FT.	MAXIMUM LENGTH OF 4" DIA. FLEXIBLE METAL DUCT
0	36 FT.	36 FT.	28 FT.	
1	31 FT.	31 FT.	23 FT.	
2	27 FT.	27 FT.	19 FT.	
3	25 FT.	25 FT.	17 FT.	
4	23 FT.	23 FT.	15 FT.	

The Maximum length using a 2" x 6" rectangular duct with 2 elbows and a 2½" Exhaust hood is 8 ft.

For **Exhaust Systems** not covered by the exhaust length chart, check with your Roper dealer or service center for a dryer manual Part No. 603197. The back pressure in any exhaust system used must not exceed 0.6 inches of water column measured with an inclined manometer at the point that the exhaust duct connects to the dryer.

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 build-up under the mobile home.



⚠ WARNING

Fire Hazard

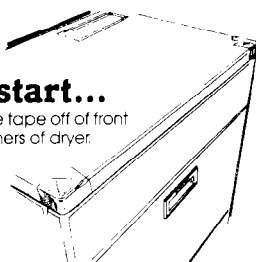
Exhausting your dryer indoors is not recommended. The moisture and lint indoors may cause:

- FIRE HAZARD from lint collected in dryer;
- Moisture damage to woodwork, furniture, paint, wallpaper, carpet, etc.;
- House-cleaning problems, possible health problems.

Failure to follow the above precaution could result in fire or damage.

Now start...

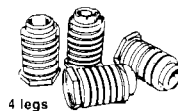
1. Take tape off of front corners of dryer.



- 2.

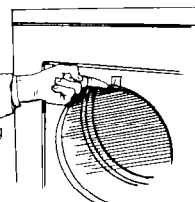
Open dryer and remove the literature and parts packages. Remove all parts from the plastic packages. Line these up next to your tools so each part is there when you need it.

Check to see that you have these parts:



- 3.

Wipe the interior of the drum thoroughly with a damp cloth before using the dryer.



- 4.

Take two of the cardboard corners from the carton and place them on the floor in back of the dryer.

- 5.

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

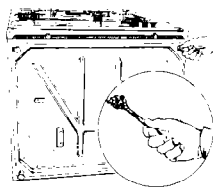
- 6.

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.



- 7.

Start to screw the legs into the holes by hand. Use a small amount of liquid detergent to lubricate the screw so it is easier to turn the leg. Use a 1" wrench or socket to finish turning the legs until you have reached the diamond mark.



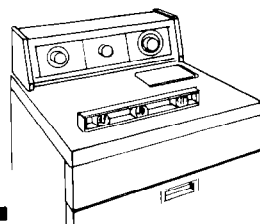
⚠ CAUTION

Floor Damage

Slide dryer onto cardboard or hardboard before moving across floor. Failure to do so may cause damage to floor covering.

- 8.

Now stand the dryer up.



- 9.

Move the dryer to its permanent location. 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, screw the legs of the dryer up or down to adjust.

- 10.

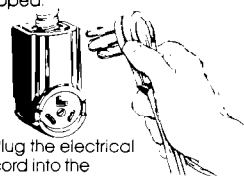
To exhaust the dryer, see Exhaust Requirements. Connect exhaust duct to exhaust hood.

Use duct tape to seal all joints in exhaust duct. Use caulking compound to seal exterior wall opening around exhaust hood.



- 11.

Check to see that all of the parts you removed from the installation parts packages in step 2 are now **installed** in the dryer. If you still have an extra part, go back through the steps to see what you skipped.



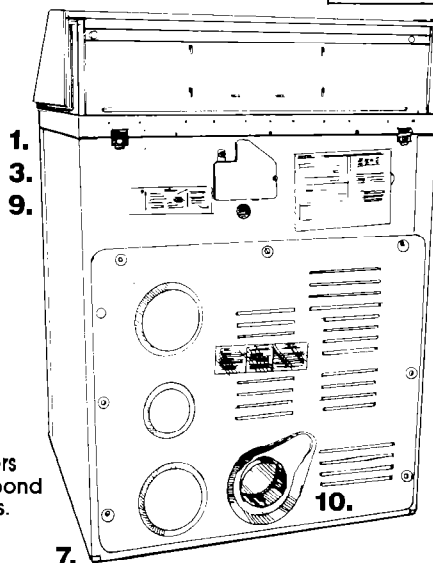
- 12.

Plug the electrical cord into the grounded outlet.

- 13.

Check to make sure you have all the tools you started with in step A.

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



Numbers correspond to steps.

Recessed and closet installation instructions

⚠ WARNING

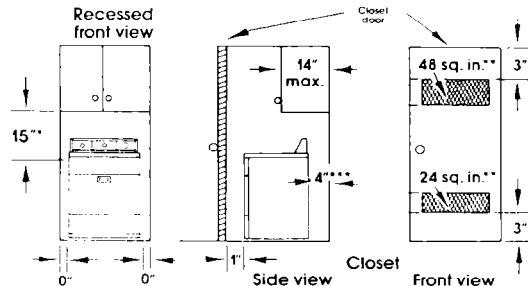
Fire Hazard

If dryer is installed in a closet, the dryer **MUST** be exhausted outside. Failure to do so may cause a fire.

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.)

TO PREVENT LARGE AMOUNTS OF LINT AND MOISTURE FROM ACCUMULATING AND TO MAINTAIN DRYING EFFICIENCY, THIS MACHINE MUST BE EXHAUSTED OUTDOORS.

Unobstructed air openings are required for laundry equipment when door is installed. Closet installation must be exhausted. Only recessed installation with no cabinet or shelf above the dryer can be non-exhausted. Non-exhausted recessed installation requires an exhaust deflector, Part No. 3391278.



* Shelf or cabinet is not permitted above dryer when non-exhausted.

** Opening is minimum for closet door. Louvered door with equivalent air openings is acceptable.

*** 4" minimum from dryer cabinet rear panel to wall is required for closet installation or non-exhausted installation.

Companion appliance spacings should be considered.

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

If dryer does not operate properly...

If dryer will not operate, check the following to be sure that:

- A. Electric supply is connected.
- B. Fuse is intact and tight.
- C. Door is closed.
- D. Controls are set in a running or "On" position.
- E. Start button has been pushed firmly or the power control lever moved upward to start.

When moving your dryer...

- Shut off electric supply to dryer.
 - Disconnect electrical cord and tape securely to dryer.
 - Tape the drum to the front panel.
 - Tape the dryer door and lint screen.
 - Screw leveling legs all the way in.
- Before having your electric dryer installed in your new home, check with a licensed electrician to confirm that the supply voltage matches the voltage specified on the nameplate.

