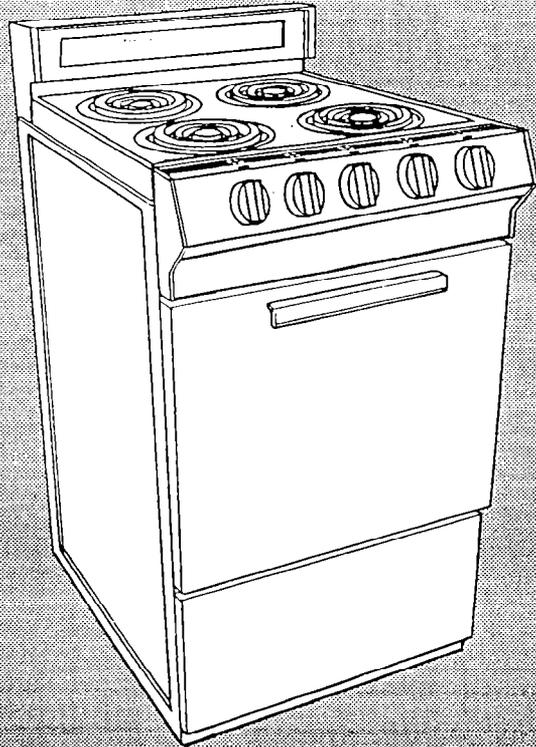


# Installation Instructions



## 20" Electric Freestanding Range

**ROPER™**  
Appliances

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

**IMPORTANT:**

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

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

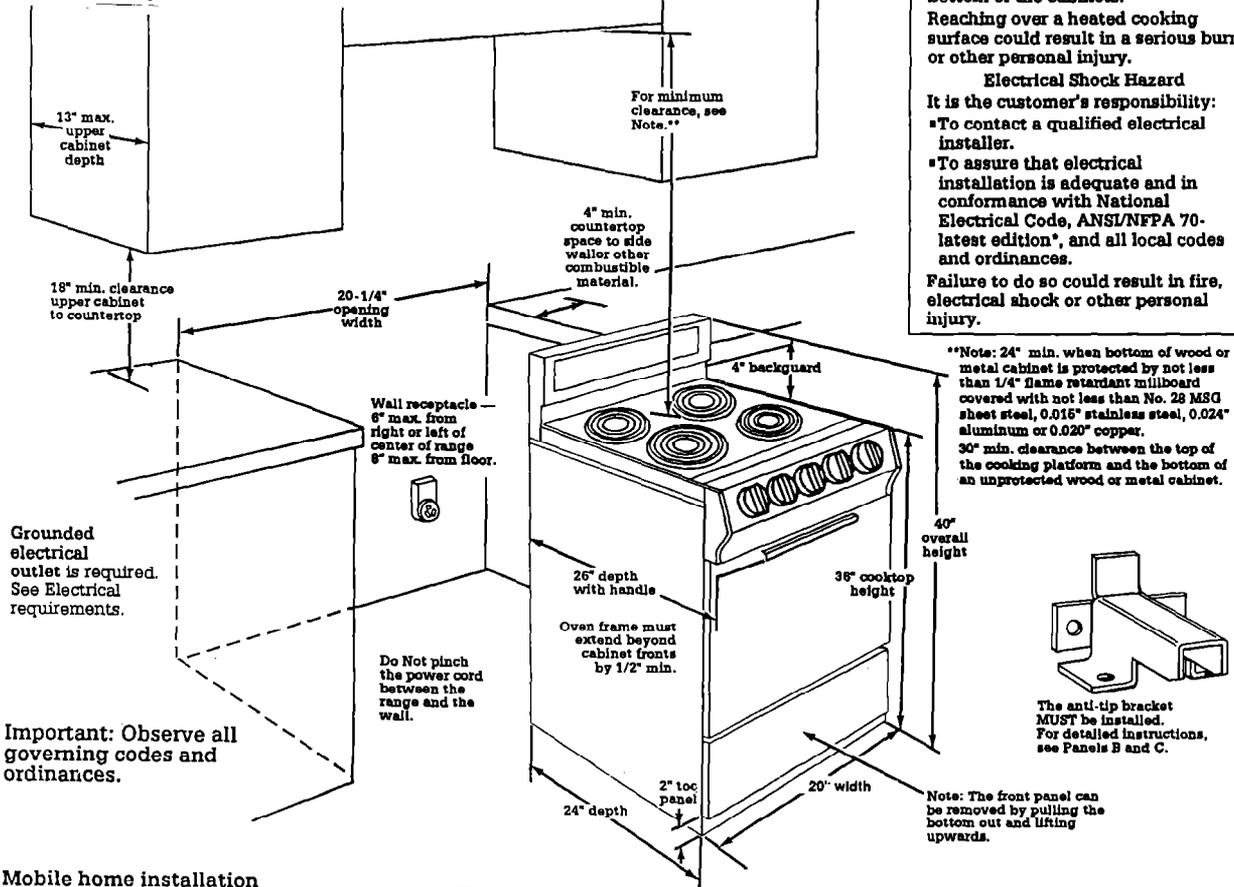
Save Installation Instructions for local inspector's use.

## Before you start...

Proper installation is the installer's responsibility. A qualified technician should install this range. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with the installation clearances specified on the serial/rating plate. The serial/rating plate is located under the cooktop.

Check location where range will be installed. The range should be located for convenient use in kitchen.

ALL OPENINGS IN THE WALL OR FLOOR WHERE RANGE IS TO BE INSTALLED MUST BE SEALED.

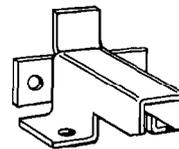


**WARNING**

**Personal Injury Hazard**  
 Avoid cabinet storage above the cooking surfaces. If cabinets are already installed, reduce the hazard of reaching over a heated cooking surface by installing a range hood. The range hood should extend a minimum of 5 inches out from the bottom of the cabinets. Reaching over a heated cooking surface could result in a serious burn or other personal injury.

**Electrical Shock Hazard**  
 It is the customer's responsibility:  
 • To contact a qualified electrical installer.  
 • To assure that electrical installation is adequate and in conformance with National Electrical Code, ANS/NFPA 70-latest edition\*, and all local codes and ordinances.  
 Failure to do so could result in fire, electrical shock or other personal injury.

\*Note: 24" min. when bottom of wood or metal cabinet is protected by not less than 1/4" flame retardant millboard covered with not less than No. 28 MSG sheet steel, 0.015" stainless steel, 0.024" aluminum or 0.020" copper.  
 30" min. clearance between the top of the cooking platform and the bottom of an unprotected wood or metal cabinet.



The anti-tip bracket MUST be installed. For detailed instructions, see Panels B and C.

Note: The front panel can be removed by pulling the bottom out and lifting upwards.

Important: Observe all governing codes and ordinances.

**Mobile home installation**  
 The installation of this range must conform to the Manufactured Home Construction and Safety Standards, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD, Part 280); or when such standard is not applicable, the Standard for Manufactured Home Installation 1982 (Manufactured Home Sites, Communities and Setups), ANSI A225, 1-1987, or latest edition, or with local codes.

When this range is installed in a mobile home, it must be secured to the floor during transit. Any method of securing the range is adequate as long as it conforms to the standards listed above. Four-wire power supply cord must be used in a mobile home installation. The appliance wiring will need to be revised. See Electrical requirements.

Copies of the standards listed may be obtained from:

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

## Tools needed for installation:



hand or electric drill  
 wood floors: 1/8-inch drill bit  
 concrete/concrete floors: 1/4-inch drill bit

## Electrical requirements

Save Installation Instructions for electrical inspector's use.

A power supply cord is not supplied with this product, but is available through your local electrical supply houses.

**WARNING**

**Electrical Shock Hazard**

- Electrical ground is required on this appliance.
- Improper connection of the equipment-grounding conductor can result in electrical shock.
- Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.
- Only a power supply cord kit rated at 250 volts, 40 amperes and investigated for use with ranges should be 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 have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in electrical shock.
- Do Not plug the "pigtail" power cord into a live wall receptacle before the cord is permanently connected to the terminal block. To do so may result in personal injury from electrical shock.

Failure to follow these instructions could result in an electrical shock or personal injury.

**A.** 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 serial plate) is required on a separate, 40-ampere circuit, fused on both sides of the line. A time-delay or circuit breaker is recommended.

**B.** THE RANGE MUST BE CONNECTED WITH COPPER WIRE ONLY.

**C.** Local codes may permit the use of a U.L.-listed, 250-volt, 40-ampere range power supply cord (pigtail). This cord contains three, No.-10 copper wires and matches a three-wire receptacle of NEMA Type 10-50R, shown in Figure 1. Connectors on the appliance end must be ring terminals. A U.L.-listed strain relief must be provided at the point the power supply cord enters the appliance.

**D.** 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 so that it can be moved if servicing is ever necessary. A U.L.-listed conduit connector must be provided at each end of the power supply cable (at the appliance and at the junction box). Wire sizes (COPPER WIRE ONLY) and connections must conform with the rating of the appliance (40 amperes).

**E. IF CONNECTING TO A 4-WIRE ELECTRICAL SYSTEM:** This appliance is manufactured with ground connected to cabinet. The ground must be revised so the green grounding wire of the 4-wire power cord is connected to the cabinet. See 4-wire electrical connection section, Panel C.

When a 4-wire receptacle of NEMA type 14-50R is used (See Figure 2), a matching U.L.-listed, 4-wire, 250-volt, 40-ampere, range power supply cord (pigtail) must be used. This cord contains four copper conductors with ring terminals on the appliance end, terminating in a NEMA Type 14-50P plug on the 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 U.L.-listed strain relief and be a least four feet long.

The **MINIMUM** conductor sizes for the copper 4-wire power cord are:

- 40-ampere circuit
- 2, No.-8 conductors
- 1, No.-10 white neutral
- 1, No.-8 green grounding

**F** The wiring diagram is also located on the back of the range.



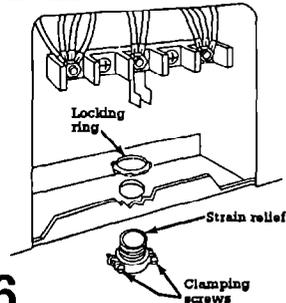
3-wire wall receptacle (10-50R)  
Figure 1



4-wire wall receptacle (14-50R)  
Figure 2

### 3-wire electrical connection

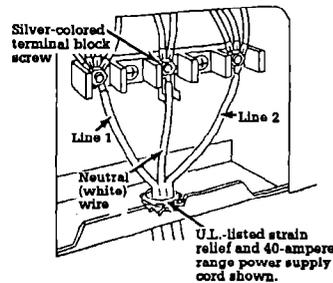
See Panel C for 4-wire electrical connection.



### 6.

Take the strain relief from the power supply cord kit and insert it into the hole below the terminal block. Insert the power cord through the strain relief allowing enough slack to easily attach to terminal block.

Use only ring-type terminals to connect power supply cord. Use 3/8" brass nuts (provided with the range) to secure the power supply cord. Do Not loosen factory-installed nuts already installed on the terminal. Be sure factory-installed nuts are tight.



Use this wiring method **ONLY** if local codes permit connecting frame-grounding conductor to neutral wire of power cord.

This appliance is manufactured with neutral terminal connected to the frame. If local codes and ordinances Do Not permit grounding through the neutral, a four-wire power supply cord, rated 250 volts, 40 amperes and investigated for use with ranges must be used. See 4-wire electrical connection, Panel C.

**7.** Connect the neutral (white) wire to the center silver-colored terminal screw on the terminal block. Connect the other two wires to the outer terminal screws on the terminal block. Attach washers and hex nuts supplied in the parts package. Check that nuts are tight to insure proper electrical connection.

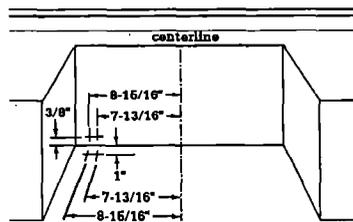
**8.** Tighten the strain relief screws or conduit connector clamping screws. Replace access panel.

### WARNING



- To prevent tipping, install range anti-tip bracket.
- Save these Installation Instructions. If range is moved to a new location, the anti-tip bracket must be removed and reinstalled in the new location.

**9.** The anti-tip bracket must be installed. Anti-tip bracket may be fastened to the floor under the range or wall behind the range.



To install anti-tip bracket on wall:

- Measure and mark a line at the center of the cabinet opening on the rear wall. Measure and mark lines 7-13/16" and 8-15/16" from either the left (shown) or right side of the centerline on the rear wall. Measure and mark on the rear wall a line 3/8" from the floor.

To install anti-tip bracket on floor:

- Measure and mark a line at the center of the cabinet opening on the floor. Measure and mark lines 7-13/16" and 8-15/16" from either the left (shown) or right side of the centerline on the floor. Measure and mark on the floor a line 1" from the rear wall.

Note: If there is a cabinet on only one side, install the anti-tip bracket next to the cabinet, using the measurements given.

### CAUTION

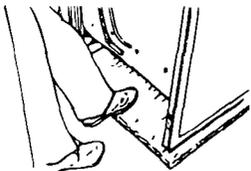
#### Property Damage

- Contact a qualified installer for the best procedure to drill mounting holes through your type of floor covering.
  - Before moving range across floor, check that range is on shipping base or slide range onto cardboard or hardboard.
- Failure to follow these instructions may result in damage to floor covering.

## Now start...

With range in kitchen.

**1.** Remove racks and other parts from inside oven.



### 2.

Place one foot on the shipping base. Tilt range forward slightly to free rear legs. Gently lower range to floor. Tilt range backwards until front legs are free.

**3.** Remove shipping materials, tape and protective film from range. Do not remove cardboard shipping base at this time.

**4.** Adjust the leveling legs approximately 1/4" or to a point where the range base does not touch the floor. (If model is so equipped.)

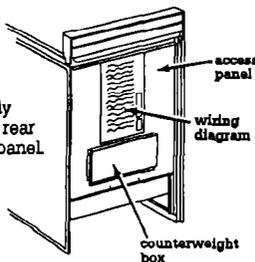
### WARNING

#### Personal Injury Hazard

Carefully remove the rear access panel when attaching the power supply cord. The rear access panel contains a counterweight box making it heavier than it appears. Failure to follow this instruction may result in personal injury.

### 5.

Carefully remove rear access panel.



### 10.

To mount anti-tip bracket to wood floor or wall, drill 1/8" holes at the two mounting screw locations where the two lines are crossed by the third line.



To mount anti-tip bracket to concrete or ceramic floor or wall, use a masonry drill bit to drill 1/4" holes at each mounting screw location. Tap plastic anchors into mounting holes in floor or wall with a hammer.



### 11.

Line up holes in anti-tip bracket with holes in floor or wall. Use the screws provided to mount the anti-tip bracket to the floor or wall.



**12.** Move range close to final position. Remove shipping base, cardboard or hardboard from under the range. Plug power supply cord into grounded outlet.

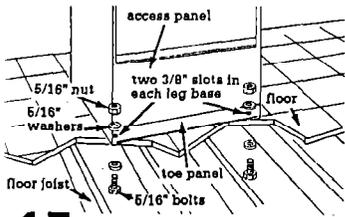
### 13.

Carefully move range into final position. Pull bottom of front panel out and lift up to remove panel. Look under range (a flashlight may be needed) to check that anti-tip bracket overlaps range base. If anti-tip bracket does not overlap base, remove range and reposition bracket to insure that range base will fit properly under bracket.



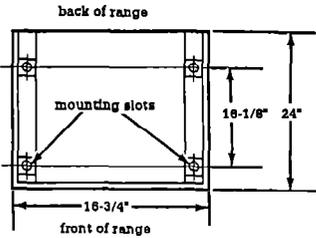
**14.** If installing the range in a mobile home, you **MUST** secure the range to the floor. Any method of securing the range is adequate as long as it conforms to the standards listed in the Mobile home installation instructions, Panel A.

Range must be secured when mobile home is moved and at all times in a RV.



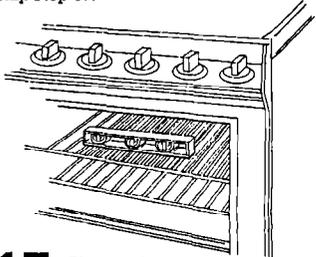
## 15.

The range must be installed in a recreational vehicle using the method described. Pull bottom of front panel out and lift up to remove panel. Removing leveling legs.



## 16.

Secure the range using 5/16" bolts, washers and nuts through the leveling leg holes. Replace lower access panel. Skip step 17.



**17.** Place rack in oven. Place level on rack, first side to side; then front to back. If range is not level at the front, adjust the leveling legs up or down until the range is level. If rear of range needs adjusting, adjust rear leveling legs up or down until range is level. If rear legs are adjusted downward more than 1/8", add shims under anti-tip bracket. Replace front panel.

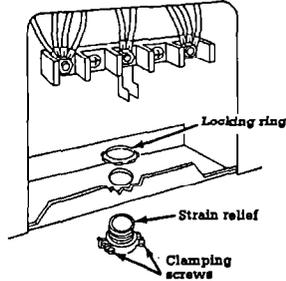
Note: Oven must be level for satisfactory baking conditions.

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

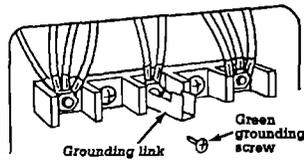
**4-wire electrical connection**  
Use this wiring method for mobile homes and whenever 4-wire installation is required.

## WARNING

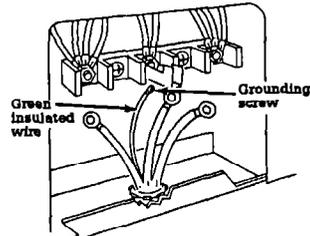
**Personal Injury Hazard**  
Carefully remove the rear access panel when attaching the power supply cord. The rear access panel contains a counterweight box making it heavier than it appears. Failure to follow this instruction may result in personal injury.



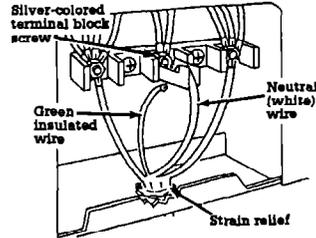
**A.** Take the strain relief from the power supply cord kit and insert it into the hole below the terminal block. Insert the power supply cable through the strain relief allowing enough slack to easily attach to the terminal block.



**B.** Remove the grounding link from the terminal block. Remove the green grounding screw and place it with your other parts.



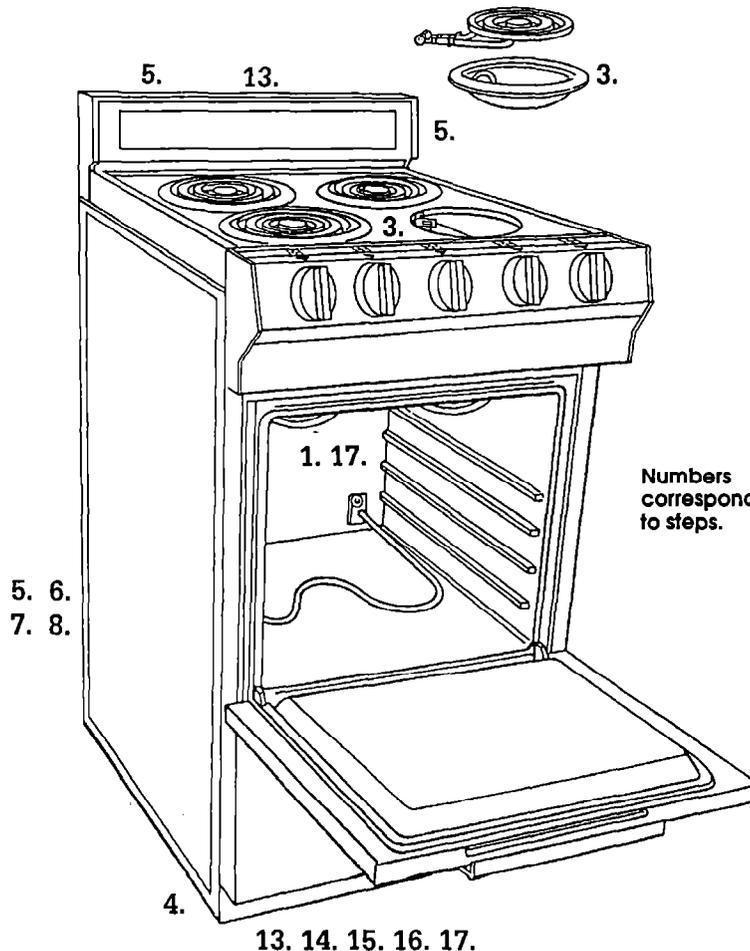
**C.** Connect the green grounding wire to the range using the grounding screw removed in Step B. The green grounding wire must be attached first and must not contact any other terminal.



**D.** Connect the neutral (white) wire to the center, silver-colored terminal screw on the terminal block. Connect the other two wires to the outer terminals on the terminal block. Use ring-type terminals only. Attach washers and hex nuts supplied in the parts package. Check that nuts are tight to insure proper electrical connection.

**E.** Tighten the strain relief screws.  
**F.** Replace access panel.

**F.** Continue installation at Step 9, Panel B.



Numbers correspond to steps.

## If range does not operate...

- Check that the circuit breaker is not tripped or the fuse blown.
- Check that power supply cord is plugged into wall receptacle.

**NOTE:**

Refer to Use and Care Guide for operating instructions and cleaning instructions.

## For cleaning and maintenance...

If removing the range is necessary for cleaning and maintenance, disconnect electrical supply.

If electrical supply is inaccessible, lift the range slightly at the front and pull the range away from the wall. Pull the range out only as far as necessary to disconnect the electric supply line.

Remove the range to complete cleaning or maintenance.

Move range back into operating position. Level the range. Reconnect the electrical supply. Make sure that anti-tip bracket overlaps range base.

### **WARNING**

**Personal Injury/Product  
Damage Hazard**

**Do Not step, lean or sit on the range  
drawer or door.**

**Failure to follow these instructions  
could result in personal injury and/or  
product damage.**

## If you need assistance...

Call your dealer or local authorized service company. When you call, you will need the range model number and serial number. Both numbers can be found on the serial/rating plate located under the cooktop.

