



INSTALLATION INSTRUCTIONS

PROFESSIONAL COOKTOP MODELS

48" GAS COOKTOP WITH OPEN BURNERS**

48" NATURAL GAS MODEL
*TN048-7

THIS MODEL IS FIELD CONVERTIBLE FOR LP/PROPANE GAS.

48" LP/PROPANE GAS MODEL
*PN048-7

THIS MODEL IS FIELD CONVERTIBLE FOR NATURAL GAS.



IF YOU HAVE QUESTIONS, CALL 800-251-7224, 8 AM TO 5 PM EASTERN TIME, OR VISIT OUR WEBSITE, WWW.FIVESTARRANGE.COM.

Installation Instructions



BEFORE YOU BEGIN

Read these instructions completely and carefully.

- **IMPORTANT** - Save these instructions for local inspector's use.
- **IMPORTANT** - Observe all governing codes and ordinances.
- **Note to Installer** - Be sure to leave these instructions with the Consumer.
- **Note to Consumer** - Keep these instructions for future reference.
- FiveStar recommends this product be installed by a licensed professional.
- Product failure due to improper installation is not covered under the Warranty.



WARNING:

This appliance must be properly grounded.

In the Commonwealth of Massachusetts:

- This product must be installed by a licensed plumber or gas fitter.
- When using ball type gas shut-off valves, they shall be T handle type.
- A flexible gas connector, when used, must not exceed 3 feet.



CAUTION:

COOKTOPS SHOULD BE INSTALLED IN CONJUNCTION WITH A SUITABLE OVERHEAD

VENT HOOD. Due to the high heat capacity of this unit, particular attention should be paid to the hood and duct work installation to assure it meets local building codes.

Standard cooktop installations:

A 1200 CFM hood is recommended for 48" cooktops.

A 600 CFM hood is recommended for 36" cooktops.

Hoods should be 24" min. deep and at least the same width as the cooktop.

Check local building codes for the proper method of gas cooktop installation. Local codes vary. Installation, electrical connections and grounding must comply with applicable codes. In the absence of local codes, the gas cooktop should be installed in accordance with the National Fuel Gas Code ANSI 223.1, latest edition and National Electrical Code ANSI/NFPA 70, latest edition



CAUTION:

Cooktops weigh up to 170 pounds. Some disassembly will reduce the weight considerably. Due to the weight and size of the cooktop and to reduce the risk of personal injury or damage to the product and/or damage to the floor, TWO PEOPLE ARE REQUIRED FOR PROPER INSTALLATION.



INSTALLATION INSTRUCTIONS

Please read these instructions before attempting to install this cooktop.

Inspection and Unpacking

Check the cooktop carton for visible damage. If there is damage or even creases in the carton, contact the carrier, request an inspection and file the appropriate freight claim. Do not refuse shipment. Responsibility for shipping damage is with the carrier and the dealer or end user. Cut the shipping straps, then carefully lift the carton up from the cooktop. This will help eliminate possible damage.

Remove, unwrap and temporarily lay aside any parts that are not attached to the cooktop. Make sure no parts are left in the carton for accidental disposal. **Carefully inspect the cooktop for damage.**

STEP 1

REMOVE PACKAGING

Before moving the cooktop indoors:

- Remove outer carton and packing material from the shipping base. The cooktop is now ready for removal from the wooden base.

STEP 2

To simplify handling and to reduce the weight of the cooktop:

- Remove the grates and the burner pans.
- Remove griddle/grill and housing.

STEP 3

POSITIONING/LEVELING

Built-in cooktops must be level to obtain proper cooking results.

Built-in cooktops must be installed in a cut-out and on a level surface, as illustrated.

Cooktops will either be set for use with Natural gas or Propane (LP) gas. The factory orifice setting is indicated by a second alpha prefix letter in the model number. The letter "T" indicates a Natural gas setting. The letter "P" indicates a Propane (LP) setting.

IMPORTANT: The cooktop should always be installed at countertop height or higher. **DO NOT INSTALL THE COOKTOP LOWER THAN ADJACENT COUNTERTOP HEIGHT, DUE TO RISK OF A FIRE HAZARD.**

STEP 4

ELECTRIC CONNECTION

This cooktop must be supplied with 120 volt, 60 Hz. and connected to an individual, properly grounded branch circuit protected by a 5 amp circuit breaker or time delay fuse.

The power cord of this appliance is equipped with a three-prong (grounding) plug which mates with a standard three-prong grounding wall receptacle to minimize the possibility of shock hazard from this appliance.

If the electrical service provided does not meet the above specifications, it is recommended that a licensed electrician install an approved outlet.

DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER CORD.

DO NOT USE AN EXTENSION CORD WITH THIS APPLIANCE.

- Locate the electric supply within the area shown or within reach of the cooktop's six foot power cord.

- To avoid tangling cord with items stored in the cabinet, locate the receptacle or rear wall, inside the cabinet.

STEP 5

CONNECTING THE COOKTOP TO GAS

Because hard piping restricts movement of the cooktop, the use of an A.G.A. certified flexible metal appliance connector is recommended unless local codes require a hard-piped connection.

Never use an old connector when installing a new product. If the hard piping method is used, you must carefully align the pipe; the cooktop cannot be moved after the connection is made.

To prevent gas leaks, put pipe joint compound on, or wrap pipe thread with Teflon* tape all around male (external) pipe threads.

- 5-1. Remove the left most burner pan. Locate the pressure regulator left of the rear burner.
- 5-2. Install a manual gas shut-off valve in the gas line in an easily accessed location outside the cooktop. Make sure everyone operating the cooktop knows where and how to shut off the gas supply to the cooktop.
- 5-3. Install male ½" flare union adapter to the ½" NPT internal thread at inlet of the regulator. Use a backup wrench on the regulator inlet hex to avoid damage.
- 5-4. Install male ½" or ¾" flare union adapter to the NPT internal thread of the manual shut-off valve, taking care to use a wrench to back-up the shut-off valve to keep it from turning.
- 5-5. Connect flexible metal appliance connector to the adapter on the cooktop. Position cooktop to permit connection at the shut-off valve or vice versa.
- 5-6. When all connections have been made, make sure all cooktop controls are in the off position and turn on the main gas supply valve. Use a liquid leak detector at all joints and connections to check for leaks in the system.

- 5-7. When using test pressures greater than ½ psig to pressure test the gas supply system of the residence, disconnect the range and individual shut-off valve from the gas supply piping. When using test pressures of ½ psig or less to test the gas supply system, simply isolate the range from the gas supply system by closing the individual shut-off valve.

*Teflon: Registered trademark of Dupont.

STEP 6

ASSEMBLE SURFACE BURNER COMPONENTS

- Remove shipping screw from each surface burner.
- Remove each surface burner.
- Place drip pan in position under each burner. Locate “dimples”.
- Re-install surface burners.
- Install burner pans.
- Install burner grates.

STEP 7

GAS & ELECTRIC SUPPLY

- Turn gas supply “on”.
- Turn electric supply “on”.

STEP 8

SURFACE BURNER OPERATION

OPEN SURFACE BURNERS

- Check for proper ignition:
 - Push in one control knob and turn 180° counter clockwise to LITE position.
 - The igniter will spark and the burner will light; the igniter will continue sparking until the knob is turned from the light position.
 - First test may require some time, while air is flushed out of the gas line.
 - Turn knob to OFF.
 - Repeat the procedure for each burner.
- Burner flames should be blue and stable with no yellow or yellow tips, excessive noise or lifting of the flame from the burner. If any of these conditions exist, check that the burner ports are not blocked, and check the air mixture. If one of these conditions continues, call for service.

STEP 9

CHECKLIST FOR OPEN BURNER INSTALLATION

- MAKE SURE ALL CONTROLS ARE IN THE “OFF” POSITION.**
- Gas supply is “on”
- Electric power is “on”
- Burner drip pans in position under burners
- Surface burners in position
- Burner pans in position
- Burner grates in position
- Surface burner ignition test
- Griddle/Grill burner ignition test
- Griddle/Grill assembly in position
- MAKE SURE ALL CONTROLS ARE LEFT IN THE “OFF” POSITION**

Date Installed & Inspected _____

Authorized Installer’s Signature _____

Please Print Name _____

- NOTE: Please leave this checklist, Use & Care manual and product registration card with the Homeowner.