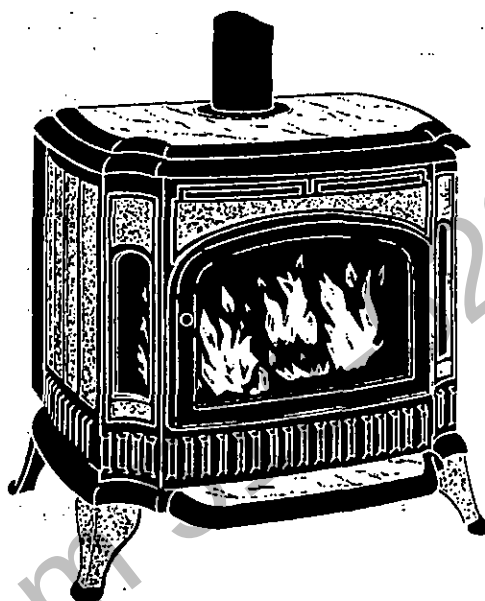


TRADITIONS

LENNOX HEARTH PRODUCTS

**B-VENT
FREESTANDING
GAS FIRED
ROOM HEATER**

INSTALLATION AND OPERATION MANUAL



MODEL TG440
P/N 18236, Rev. Q, 10/00

WARNING

IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE(S) OF GAS INDICATED ON THE RATING PLATE. THIS APPLIANCE IS NOT CONVERTIBLE FOR USE WITH OTHER GASES, UNLESS A CERTIFIED KIT IS USED.

KEEP BURNER AND CONTROL COMPARTMENTS CLEAN. SEE INSTALLATION AND OPERATION INSTRUCTIONS IN THIS MANUAL.

FOR YOUR SAFETY 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.
- 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.
- DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.
- INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR GAS SUPPLIER.

Warrick-Hershey
C E US

CozyCabin.com 518-623-4349

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IMPORTANT: Read thoroughly before starting installation. Failure to follow these installation instructions may result in a possible fire hazard and will void the warranty. Save this manual for future reference.

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INTRODUCTION

This Appliance is Listed as a Vented Gas Fired Room Heater (USA - ANSI Z21.11.1 - 1991, Canada CAN/CGA 2.1 M89, CAN/CGA 2.17 M91) which is designed to operate on natural gas, or propane (LP) when unit is factory converted to LP or field converted using LP conversion kit (part #18100). Units converted to LP have a sticker on the valve stating "This control has been converted to LP". This appliance uses a millivolt type control system consisting of a gas control valve/regulator, a standing pilot burner assembly, a thermopile, a piezo igniter, a safety temperature/spill switch and an ON/OFF switch. All exhaust gases must be vented outside the structure. **THIS UNIT DOES NOT REQUIRE 110 VOLT POWER TO OPERATE.**

WARNINGS

INSTALLATION AND REPAIR SHOULD BE DONE BY A QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A QUALIFIED SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.

THIS APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVICING A SEPARATE SOLID FUEL BURNING APPLIANCE.

THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

DO NOT CONNECT 110-120 VAC TO THE GAS CONTROL VALVE OR CONTROL WIRING SYSTEM OF THIS UNIT.

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.

YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.

CAUTION

ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

GENERAL INFORMATION

The installation must conform with local codes or, in the absence of local codes, to the National Fuel Gas Code, ANSI Z223.1 - current edition or, in Canada, CAN/CGA-B149.1 and B149.2 - current edition, installation codes.

In some states or municipalities a licensed gas fitter or plumber may be required to install this appliance. Check with your local building official for requirements in your area.

When this appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.

Minimum clearances to combustibles: Top of appliance - 30 inches, Floor - 0 inches, Back - 6 inches, Sides - 15 inches, Corners - 10 inches.

Provide for adequate combustion and ventilation air to the room where this appliance is to be installed.

Provide adequate clearances around the air openings into the combustion chamber at the rear of the pedestal and adequate clearances for servicing and proper operation. Never obstruct the vent hood intake at the rear of this appliance or seal the opening at the rear of the pedestal.

In the United States and in Canada, this appliance may be used with a thermostat (see page 4). In Canada, this appliance is certified for use in bedrooms (approval for U.S. installations are subject to local building codes). If installed in a bedroom in Canada, a thermostat IS required.

During any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.45 kPa), the appliance must be isolated from the gas supply piping system by turning the gas control valve knob to the "OFF" Position.

The appliance and its control valve 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 (3.45 kPa).

A 1/8" NPT plugged tapping is provided on the gas control valve for a test gage connection. It is located on the outlet end of the valve, immediately upstream of the gas supply connection to the appliance.

For high elevation, refer to (for USA) ANSI Z223.1 - latest edition for orifice resizing (see *High Altitude*, page 7).

DO NOT USE this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and gas control which has been under water.

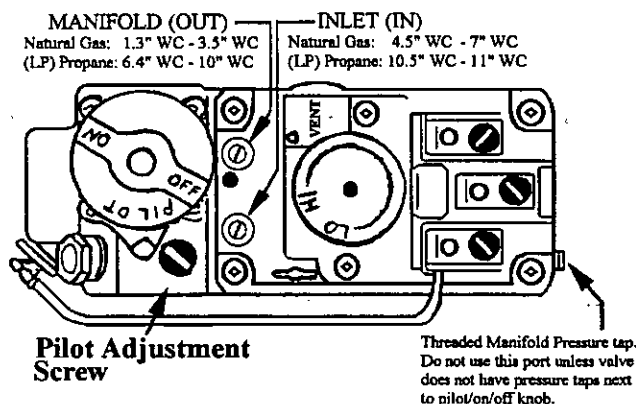
Inlet Gas Supply Pressure (WC=Water Column)

Natural Gas - 4.5" WC min. - 7.0" WC max.

Propane (LP) - 10.5" WC min. - 11.0 WC max.

Manifold Gas Pressure

Manifold gas supply pressure for the purpose of input adjustment.



Appliance BTU Input Rate

Natural Gas: 25,000-40,000 BTU/HR

Propane Gas (LP): 23,500-38,000 BTU/HR

INSTALLATION / CLEARANCES

PLEASE READ THIS MANUAL BEFORE INSTALLING & USING THIS APPLIANCE

Consult your Local Building Department for requirements in your area.

Locations

The TG440 gas appliance can be installed in most residential room configurations, parallel to a rear or adjacent wall, in a corner at a 45° angle, or in an alcove that allows for the minimum clearances to combustible surfaces. It is recommended that the installation of this appliance be planned on paper to ensure its position will allow passage of the flue through the wall or ceiling and roof. A Local Building Inspector should review your plans prior to installation **THE DRAFT HOOD MUST BE INSTALLED SO AS TO BE IN THE SAME ATMOSPHERIC PRESSURE ZONE AS THE COMBUSTION AIR INLET TO THE APPLIANCE.**

Floor Protection

When the TG440 is installed directly on carpeting, *tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.

* Note: Ceramic tile is non-combustible and does not require a wood or metal panel under the appliance.

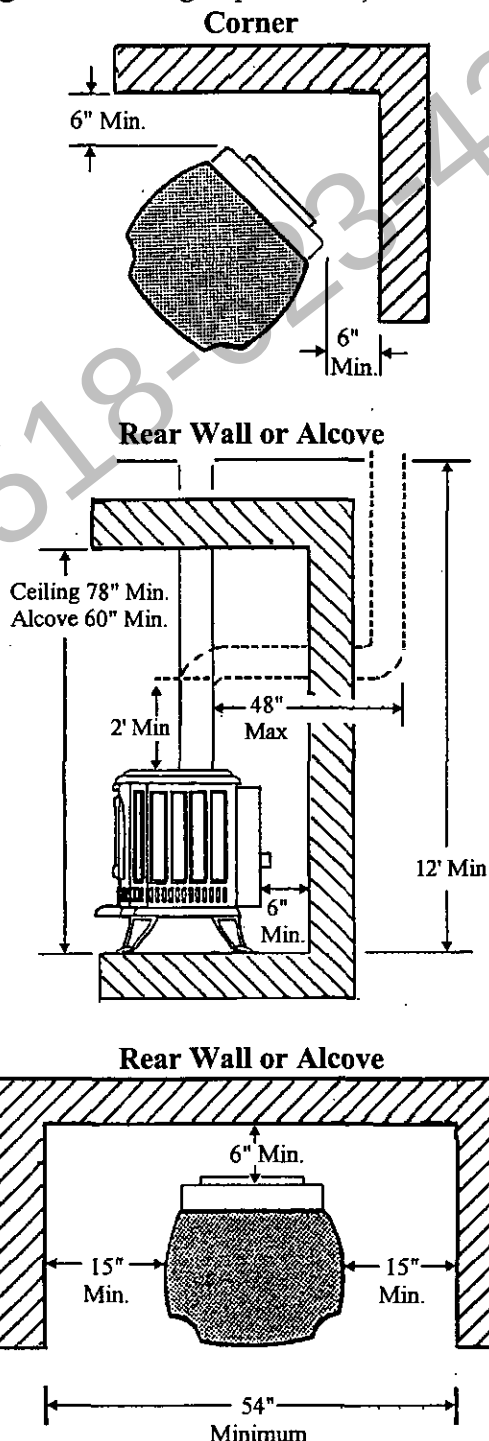
Installation

Gas Supply Hookup - After establishing the location of the appliance, if not already available, have a qualified installer, size and run the gas supply line to the bottom rear of the unit. This line should terminate with a shutoff valve. **HAVE THE INSTALLER PURGE THE GAS SUPPLY LINE OF AIR BEFORE CONNECTING TO THE APPLIANCE.** **WARNING: IF THE PILOT WILL NOT LIGHT AFTER 1 MINUTE OF ATTEMPTING, WAIT FOR AT LEAST 5 MINUTES FOR GAS TO CLEAR BEFORE ATTEMPTING AGAIN.**

Connect the gas line to the inlet fitting (3/8" NPT) at the gas valve. Make the connection to the gas supply line using the correct fitting required to the shutoff valve. All connections must be checked for leaks with a leak detector or soapy water solution. Purge air from gas lines and connections by holding gas control valve down in the pilot position until pilot will light.

Minimum Clearances To Combustibles

The clearances listed below are minimum distances and only apply in the configuration shown. Do not use clearances from one installation configuration with clearances from another to obtain closer clearances (see page 4 for venting requirements).



INSTALLATION

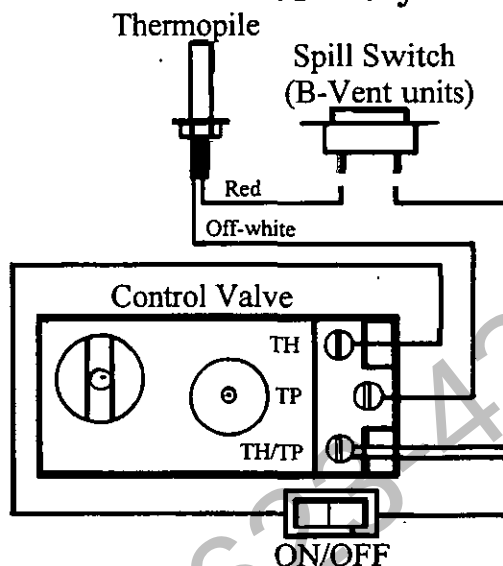
Venting Requirements

This appliance requires the use of an existing masonry chimney, 4" B-Vent or Class A chimney. A 4" single wall connector pipe up to 6' in length may be used within the installation room only. If used, it must be connected to 4" B-Vent at the ceiling or rear wall to complete the flue system. If connected to an existing masonry or class A chimney of a larger size, a 4" liner to the chimney termination is required to ensure proper operation of this appliance. Follow all venting manufacturer's requirements and local building codes. A minimum vertical chimney height of 12' above the base of the appliance ending in vertical termination must be maintained. Any horizontal run must not exceed 48" in length. Elbows must not total more than 180° of direction change (see illustration, page 3). The vent termination must be in accordance with the vent manufacturer's instructions. If a non-listed vent termination is used, it must extend 2' higher than any portion of a building within a horizontal distance of 10'. In Canada, this appliance shall not be vented into B-Vent exterior to a building except that part above the roofline (approved if enclosed in chase). It is recommended that all installations in cold climates should enclose exterior venting in a chase. (DO NOT CONNECT WITH ANY SOLID FUEL BURNING APPLIANCE). It is recommended that a separate flue be utilized to ensure proper operation of this appliance.

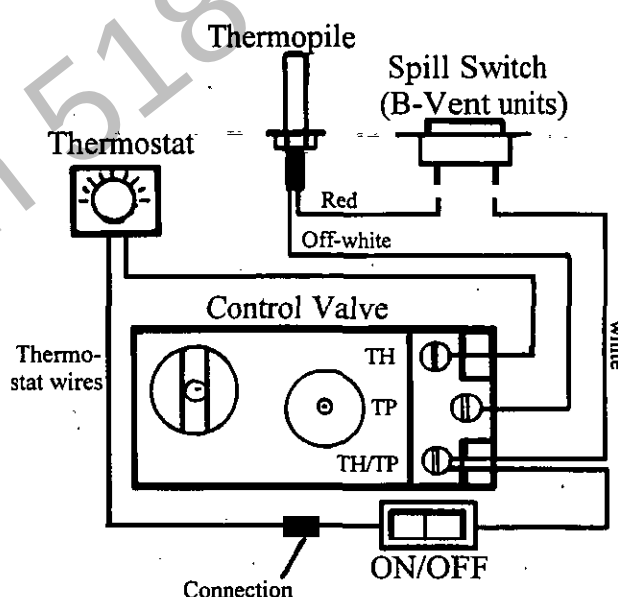
Wall Thermostat

An optional wall thermostat (part #18120 or equivalent), needs to be capable of operation on 250 millivolts from pilot millivolt generator (thermopile). Twenty-five feet maximum length of 18-gage thermostat wire is recommended to ensure proper operation. The thermostat should be mounted central to the area to be heated about 5' above the floor. Run the wire in a manner where it won't be subject to snagging or damage, such as under the carpet or floor. Wire the thermostat in series with the ON/OFF switch by disconnecting the wire on the TH terminal of the control valve and replacing it with one of the thermostat wires. Then connect the other thermostat wire to the ON/OFF switch wire that was disconnected from the TH terminal. This configuration will allow the ON/OFF switch to act as a positive "OFF" override of the thermostat. An alternate wiring configuration is to disconnect both wires from the switch at the control valve, then connect the two thermostat wires to the TH and TH/TP terminals. This will leave the ON/OFF switch inoperative. In this configuration, it is recommended that a thermostat with a built-in positive "OFF" be used to ensure main burner "OFF" control.

Wired From Factory



Wired With Thermostat



Optional Fan (part #18150)

If optional fan is to be used, install per its instructions using the three-(3) sheet metal screws supplied in the kit. Plug the dial-a-temp into the nearest 115 VAC receptacle and then the fan power cord into the dial-a-temp.

Optional Fan Switch (part #18125)

If the optional fan is used, this sensor automates blower. The fan will come on automatically as stove gets hot and will turn off when stove cools down.

OPERATION

Installation Check List

Read and understand these instructions before using appliance. Go through this installation checklist:

1. Check that the log set is properly installed. The logs are shipped in a separate box. Refer to page 9 & 10 for log placement. Use caution when handling the logs as they may easily be damaged or broken.
2. Check to see that wiring is correct and enclosed.
3. Verify that the gas line has been purged of air.
4. Check that there are no gas leaks. If you smell gas, do not attempt to light this appliance. Follow safety instructions on the front of this manual.
5. Check that front glass door is in its proper position. **DO NOT** operate the appliance with the front glass door open.
6. Check that the venting and cap are unobstructed.
7. Burner Air Shutter opening to be: Natural Gas - 3/8", Propane - Full Open. Some adjustment from standard may be necessary for the desired flame characteristics (see *Burner Flame Appearance*).

Lighting Procedure

1. Turn the ON/OFF switch to the "OFF" position.
2. Turn the gas knob to the "OFF" position. Wait 5 minutes.
3. Turn the gas knob to "PILOT".
4. Push the gas knob down all the way and hold. Immediately light the pilot by pressing the ignitor button. Continue to hold the gas knob down for about 1 minute after the pilot is lit. Release the knob and it will pop back up. The pilot should remain lit. If it goes out, repeat steps 1 through 4, holding knob down for an additional 15 seconds. **WARNING: IF THE PILOT WILL NOT LIGHT AFTER 1 MINUTE OF ATTEMPTING, WAIT FOR AT LEAST 5 MINUTES FOR GAS TO CLEAR BEFORE ATTEMPTING AGAIN.**
5. Turn the gas knob to the "ON" position.
6. Turn the ON/OFF switch to the "ON" position. This will turn the main burner on.
7. Adjust flame height using heat control knob to desired setting.
8. If a wall thermostat is installed, adjust it to the desired temperature.
9. If optional fan (part #18150) is utilized, wait for the appliance to heat up, then turn the fan on at the power outlet and adjust to desired air flow.

Burner Flame Appearance

A periodic visual check of the burner flames should be performed. The burner flame should have the following characteristics:

- Burner Flame should have yellowish tips.
- No soot should form at burner flame tips.
- Flame should not rise off of burner tube (flame "lifting").

If the burner flame does not show proper appearance or behavior, as outlined here, consult a qualified service technician.

Shutdown Procedure

For short periods of time, the main burner may be kept from operating by turning the gas knob to "PILOT" or the ON/OFF switch to the "OFF" position. The pilot burner will remain lit for return to normal service when desired. For longer periods of shutdown, push the gas knob down and turn to "OFF". This will shutoff both the pilot and main burner. The pilot will have to be relit when resumed use of the appliance is desired. See lighting instructions.

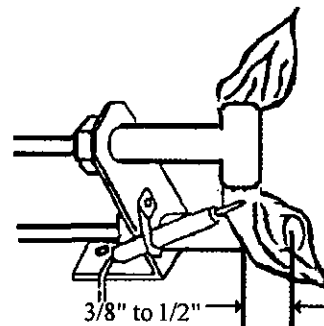
Pilot Light Adjustment

In some installations, the size of the pilot may have to be adjusted. If pilot flame varies greatly from diagram, have a qualified service technician adjust for proper operation.

Characteristics:

1. Correct Air-Gas Mixture
2. Blue Color
3. Well Defined
4. Efficient Combustion

Correct Pilot Flame



ANNUAL SERVICE PROCEDURE - ALWAYS TURN OFF GAS CONTROL

VALVE BEFORE CLEANING. Annual maintenance of all Traditions™ appliances is required. We recommend that the following procedures be performed each year by a qualified technician:

Open Door for Cleaning

To open glass door for cleaning of burner area - (Do not open when hot):

1. Remove latch bolt cover plug.
2. Using supplied allen wrench, rotate bolt 90° clockwise.
3. Swing door open (do not extend door open more than 90°).

After opening the glass door, the fiber logs can be lifted out of position. Use care when handling the fiber logs as they become quite fragile after curing. The logs must be in the position shown in the log placement diagram (page 10). Improper positioning of logs may create carbon build-up and will alter the unit's performance. If carbon appears, it may be removed with a vacuum cleaner, or brushed off with a soft bristled brush.

Never operate the appliance without the glass door properly latched.

Cleaning Glass

Do not use abrasive cleaners on glass. The viewing glass should be cleaned periodically. Exterior glass may be cleaned with a glass cleaner as desired. Interior glass - use soap and water, or commercial glass cleaner recommended for stove glass. One of many good stove glass cleaners is Rutland - *White Off* Stove Glass Cleaner (consistency: Crème Paste).

Note: Each time the appliance is lit, it may cause condensation and fog on the glass. This condensation and fog will disappear in a few minutes.

Periodic Check of Pilot and Burner Flames is Required.

Check the operation of the pilot and cycle the burner. Visually check the flame of the burner making sure the flames are steady; not lifting or floating. The flame color should be blue at the burner with yellow body and tops.

Keep the burner and control compartment clean by brushing and vacuuming at least once a year. Always turn off the gas control valve before cleaning.

Cycle unit a minimum of 2 times

- ☐ Watch for smooth burner ignition and shut down.
- ☐ Burner: Check flame patterns. Ensure that burner flame appearance does not vary greatly from diagram shown in owners manual.
- ☐ Pilot: Ensure pilot flame appearance does not vary greatly from diagram shown in owners manual.

Thermopile Function

- ☐ Thermopile: Millivolt production should be a minimum of 325 MV with pilot only.

Drop out rate

- ☐ TP 50-60 MV
- ☐ TP 1 1/2-2 Min. (3 max.) if longer, replace thermopile

Check For Carbon Monoxide Presence

Check for gas leaks

Check for spillage Has a new appliance been added?

- ☐ Is flue blocked?
- ☐ Proper operation of Spill switch.

Cleaning the Room Air Fan (If Optional Fan Kit is installed).

Unplug power cord. Remove any deposits from the room air fan inlets (accumulations of carpet fibers, pet hair, dust, etc.). Use a brush and/or light vacuuming for cleaning. The frequency of cleaning should be increased if pets are in the dwelling. The room air fan is equipped with sealed lubricated bearings that do not need additional lubrication. For this reason, it is recommended that you do not try

to add any drops of oil to them (excess oil can ruin the fan).

Replacing Glass

CAUTION: IF THE DOOR ASSEMBLY OR GLASS IS BROKEN OR DAMAGED (IN ANY WAY), THEY MUST BE REPLACED BEFORE HEATER CAN BE SAFELY OPERATED. USE ONLY COMPONENTS PROVIDED BY THE MANUFACTURER AS REPLACEMENT PARTS.

The appliance and venting system should be inspected before use, and at least annually by a qualified field service person to ensure that the flow of combustion and ventilation air is not obstructed. This appliance has a safety switch located in the integral draft hood to interrupt power to the valve in the event of improper venting of the flue gases. The safety switch shuts off power to the valve, turning off gas to the burner and pilot. See Troubleshooting Section on Page 8.

Keep the area near the appliance clear and free from combustible materials, gasoline and other flammable vapors and liquids.

When first operated, the unit will release an odor for about an hour. This is caused by the curing of the paint and the fiber logs. The glass may need cleaning after the first burning of the unit.

Each time the appliance is lit, it may cause condensation and fog on the glass. This condensation and fog will disappear in a few minutes.

Log Replacement

If logs become damaged by accident or improper handling and need replacement, use only the proper Traditions model TG440 replacement logs (see parts list, page 11).

HIGH ALTITUDE

High Altitude Kit (p/n 504). Higher altitudes affect the atmospheric pressure and heat value of gaseous fuels. When installing these units at high altitudes, the rated input will be lower than at sea level. The reduced oxygen content in the air and lower gas density requires installing a different orifice in order to achieve clean combustion.

The high altitude orifice is drilled for the smallest requirement (drill size #54). You will need to match altitude and fuel requirements from the chart below. Starting from the backside, drill only by hand with numbered orifice drills. Since the orifice head is only .030" thick, it can be easily bored to the required size. Use only finger turning pressure, as an electric or pneumatic drill may cause over-sizing. After correct hole size is drilled, lightly debur both sides to eliminate the chance of the orifice whistling when main burner is engaged.

Units using propane must use a Propane Conversion Kit -p/n 18100.

Drill Sizing Chart / Maximum Size vs. Altitude
(ANSI Z223.1 Table)

Altitude	Natural Gas	Propane (LP)
Sea Level	* #32	** #51
>2,500 Ft.	#33	#51
>3,000 Ft.	#34	#52
>4,000 Ft.	#35	#52
>5,000 Ft.	#35	#52
>6,000 Ft.	#36	#52
>7,000 Ft.	#36	#53
>8,000 Ft.	#37	#53
>9,000 Ft.	#38	#53
>10,000 Ft.	#40	#54

* As equipped from factory

** As provided in LP conversion kit.

CANADA: Altitude 2,000 Ft (610-M) to 4,500 Ft (1,372 M), re-orifice to #35 drill size for Natural Gas or #52 drill size for propane.

Procedure for Replacing Main Burner Orifice

1. (Inside firebox) Using a 1/2" open end wrench, loosen the brass nut holding the pilot tube and unscrew completely.
2. On the back of the unit, using a phillips point screwdriver, remove the screws holding control valve cover to rear heat shield. Remove cover and set aside.
3. Remove cotter pin a bottom of gas control (black knob) extension rod and pull rod out the top of rear heat shield.
4. Using small blade screwdriver, loosen setscrew on extension adapter of heat control regulator.

Then lift it off the regulator knob (notice the hole drilled in this knob for reassembly later). Pull the heat control knob and extension rod up out of the way, securing with a rubber band or tape until reassembly time.

5. Loosen all 3 screws holding valve mounting bracket on back of stove firebox and remove 2. Holding valve with one hand so attached wiring is not pulled loose, remove third mounting bracket screw freeing the valve. Carefully pull valve back away from back of stove. Support valve in some manner so wiring is not taut.
6. Using channel type pliers, remove burner orifice and insulation gasket ring.
7. Replace burner orifice with new high altitude or propane size orifice, using pipe sealing compound (finger tight only). Using channel type pliers, tighten orifice approximately 1/4 turn - DO NOT OVER TIGHTEN ORIFICE.
8. Reinstall valve mounting bracket making sure to hold in an upward position while tightening screws.
9. Reinstall extension rods and rear heat shield cover.
- 10.(Inside firebox) Reinstall brass nut securing pilot tube to pilot assembly.

TROUBLESHOOTING *(Qualified Technicians Only)*

WARNING: IF THE PILOT WILL NOT LIGHT AFTER 1 MINUTE OF ATTEMPTING, WAIT FOR AT LEAST 5 MINUTES FOR GAS TO CLEAR BEFORE ATTEMPTING AGAIN.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
1. Igniter will not light the pilot after repeated pressing of the igniter button.	A. Defective igniter.	Check for loose connection on igniter.
	B. Misaligned electrode at pilot	Spark should be extending approx. 1/8" to pilot hood. Adjust gap to give proper spark. Remove hands from electrode before pressing button
	C. Air is not purged from gas lines	Purge line by holding gas control knob down in the pilot position until gas is available
	D. No Gas	Turn on gas
	E. Wire disconnected	Check wiring
2. Pilot light will not stay lit.	A. Poor connection of thermopile wires.	Be sure thermopile is secured tight into pilot bracket. Check wire connections at valve terminals and spill switch terminals.
	B. Defective thermopile.	Check thermopile millivolt production to ensure it is 325-mv minimum (pilot only) and 125 minimum (with burner on).
	C. Pilot/On/Off knob not held down long enough or not fully depressed.	Depress to bottom and hold down for 45-60 seconds. <i>Make sure knob is not touching the control panel plate when depressed (this would prevent full depression). If knob touches plate when depressed, then valve bracket has slipped to a lower position and needs to be adjusted to a higher position.</i>
	D. Main Burner switch "ON"	Turn main burner switch "OFF"
	E. EMU wire loose.	Check wiring (black wire which goes to bottom of valve).
	F. Faulty EMU	Replace valve.
3. Pilot drops out when Burner is switched on	A. Defective Thermopile.	Wait 60-90 seconds after pilot engages and check thermopile millivolt production (see 2B above).
	B. Main Burner Switch wired incorrectly	Correct Wiring.
	C. Main Burner wire shorted or stressed.	Check wire and correct.
	D. Faulty Main Burner EMU.	Check and replace valve as needed.
	E. Improper pilot adjustment.	Check pilot flame. Adjust flame if necessary.
4. With pilot lit, pilot/On/Off knob "ON" and burner ON/OFF switch in "ON" position, no gas to burner.	A. ON/OFF switch defective.	Check ON/OFF switch for proper connections. Connect wires across terminal at ON/OFF switch. If burner comes on, replace ON/OFF switch. If not, jumper junctions at valve (TP & TH/TP). If burner comes on, replace wires.
	B. Pilot/On/Off knob not turned to "ON" position.	Turn on
	C. Main Burner Switch wires loose or disconnected.	Correct Wiring.
	D. Insufficient millivolt production.	Wait 60-90 seconds after pilot engages. Test and replace as needed.
	E. Faulty thermopile.	Test Millivolts, replace as needed (see 2B above)
	F. Faulty Main Burner EMU	Replace Valve Assembly Tray.
	G. Plugged burner orifice.	Check burner orifice. Remove blockage.
5. Appliance turns itself off after a period of time	A. Improper gas piping, too many appliances on same line plumbed improperly.	Correct
6. Low main burner flame.	A. RB set on low. Insufficient gas supply. Burner air shutter open too far. RB defective.	Turn to high. Check input gas pressure (see page 2) and correct plumbing. Correct burner air shutter gap (see page 5)

LOG INSTALLATION

Proper Log Placement

After the stove is installed and tested for proper operation the log set may be installed. Correct location of the log set is required for proper operation of this appliance. Remove or open the firebox door of the appliance to install this log set.

- 1) Remove the two small cross logs from the box and set aside.
- 2) Carefully lift out the larger rear log and remove the plastic wrapping. Place this log inside the stove with the flat surfaces facing the rear and the bottom of the firebox. The log should be centered on the log rack with approximately 2 1/4" from each end to the side of the firebox, and against the rear vertical bars.
- 3) Remove the smaller front log from its plastic cover. Place this log centered on the rack with the front edge against the locating lugs. The simulated glowing ember area on the front of this log should align with the sections of main flame ports on the front burner tube.
- 4) Unwrap the left and right side cross logs and fit into flat notches on rear log and over the pins protruding up from the top of the front log, (see diagram showing proper configuration). The two cross logs will only fit in one location. A slight adjustment side to side of either the front or rear log may be necessary to align the cross logs so that both will fit in their correct location.
- 5) Carefully remove the remaining front ember strip from the box and unwrap. Do not hold this strip by one end, as even handling motion may cause it to fracture. Place the front ember strip on the log rack with its rear surface against the front side of locating lugs.
- 6) Remove ember bag and place ember nuggets over ember strip and over opening between front log and ember strip over burner.

Close the firebox door. Light the appliance per the lighting instructions in the owners manual or the lighting instructions on the rear plate.

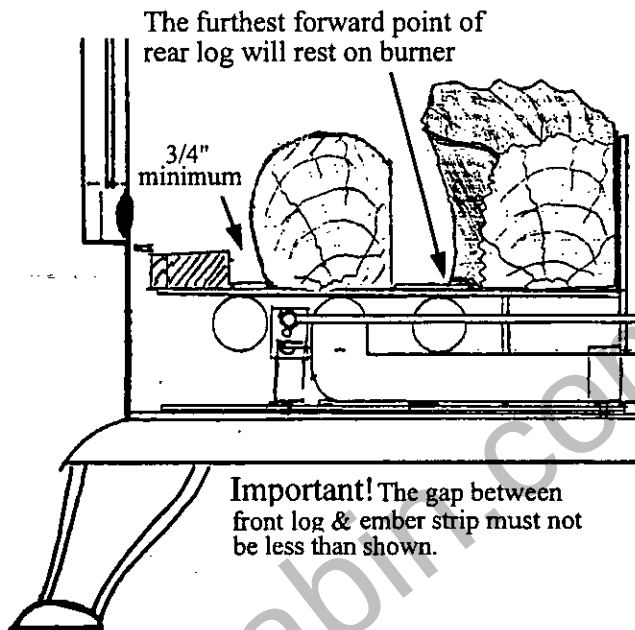
CAUTION: EXTREME CARE MUST BE USED WHEN HANDLING THESE CERAMIC FIBER LOGS, AS THEY ARE EASILY DAMAGED OR BROKEN.

LOG SET INSTALLATION

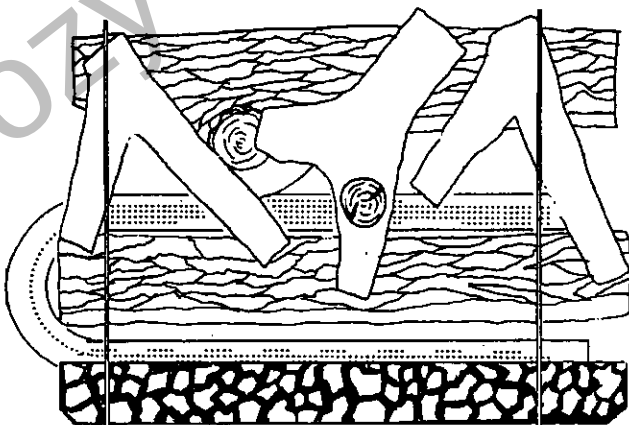
Once the logs are in the correct positions they should not be handled or adjusted again unless done for maintenance or service reasons by a qualified technician. Remember after the logs have cured they become even more susceptible to damage or breakage.

Log Placement Diagrams

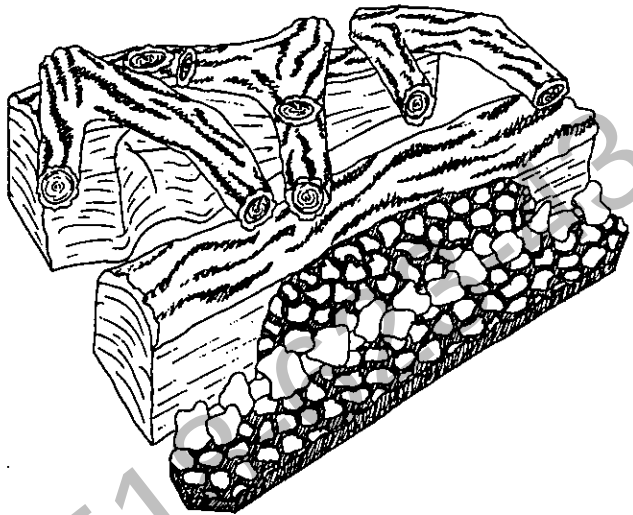
Install rear and front logs as shown here. Pay special attention to the correct alignment of logs in relationship to the burner tube assembly.



Top Views of Logs



Place ember nuggets over ember strip and opening between front log and ember strip (over front burner tube) as shown in illustration below:



REPLACEMENT PARTS – Model TG440

Door Parts					
C18200	(8) Door Assembly, Cast (Rev. C)	❖ With Handle	32052	3/8" To 3/8" Brass Elbow	
18236	Installation/Operation Manual		00043	3/8" Pipe Plug For Orifice Port	
C18110	Door Frame W/ 1/2" Rope Gasket	❖ Rev.C	18060	3/8" Flex Connector, 1' Length	
18239	Allen Wrench, 6mm (.236" Hex)	Door Latch Key	18685	3/8" St Ell Brass	
18246	Bolt, Door M8		Fan System (Optional Kit)		
18247	Nut, Door Bolt M8	Requires 2	100-10	Motor, Fan	
18074	Gasket, Door 1/2" Medium Rope (Per Foot)	⚡ Requires 5'	15049	Disc, Fan (F140°-20f)	
10580	Gasket, Glass Channel (Per Foot)	Requires 4'	19253	Power Cord, Also Requires 02062, 00106, 00108	
18199	Gasket, Side Window 1/8" Lytherm		14440	Dial -A- Temp	Rheostat
18280	(6) Glass, Door 9 1/2 x 14 1/4"	● REV. C	Miscellaneous		
18281	Glass, Side 3 x 9 5/8"	● REV. C	15042	Cerawool Pad For Marble	Requires 1
10268	Clip, Long Glass	Requires 1	1051	Cerawool Strip For Marble	Requires 4
10263	Clip, Short Glass	Requires 7	14440	Dial - A - Temp (Rheostat)	
T151	Hinge Pin, Threaded 1/4-20 UNC	■	01091	Silicone, High Temperature 3 Oz.	
T153	Hinge Pin, Threaded 5/16-18 UNC	■	76-141MB	Paint, Black Metallic	12 oz Spray Can
18238	Plug, Door Latch Hole		<i>Ask you dealer about other colors of paint that are available</i>		
10362	Torque Plate (Latch)		Optional Parts		
Gas/Electrical Parts			504	High Altitude Kit	
32053	(15) Valve, Robertshaw		18120	Wall Thermostat	White Rodgers
18050	(18) Thermopile 24"		18150	Fan Kit W/ Dial - A - Temp (Rheostat)	
18058	(12) Orifice, Burner #32- Natural Gas		18125	Fan Sensor Kit (Automates Fan)	
18112	(12) Orifice, Burner #51- Propane		18100	Propane Conversion Kit	
18109	(11) Orifice, Pilot #18 - Natural Gas		MS102	Gray Marble Set Also Req's 1 Ea. 15042 & 4 Ea. 1051	
18113	(11) Orifice, Pilot #11 - Propane		MS105	Green Marble Set Also Req's 1ea. 15042 & 4ea. 1051	
18048	(10) Pilot Assembly W/Igniter Electrode	➡			
18233	(17) Pilot Tube 1/4" Also Req's Pn 26000, 26001, 18603 Fittings				
18108	(13) RB Regulator - 1.3-3.5" WC Natural Gas				
18111	(13) RB Regulator - 6.4-10" WC Propane				
410-270	(20) Rocker Switch, On/Off Burner				
18081	(21) Piezo Igniter, Push Button				
18253	(22) Spill Switch (L250°-40f)				
18260	(9) Burner Tube Assembly				
18095	Gasket, Burner				
18067	(23) Wiring Harness, Burner				
00042	3/8 x 2 1/2" Nipple				

➡ If LP, also requires part number 18113 pilot orifice.

● Glass insulation is not included.

⚡ Use high temperature silicone as adhesive p/n 01091, 3oz tube or equivalent.

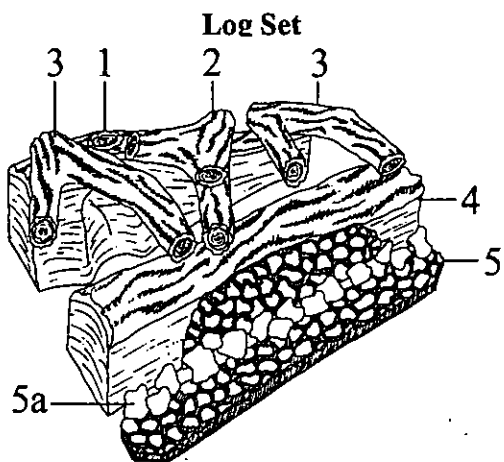
■ To use larger hinge pin (p/n T153) on some stoves you will need to enlarge hole (drill to .250"), then tap to 5/16"-18 UNC.

Note: Item numbers corresponds with diagrams on following page.

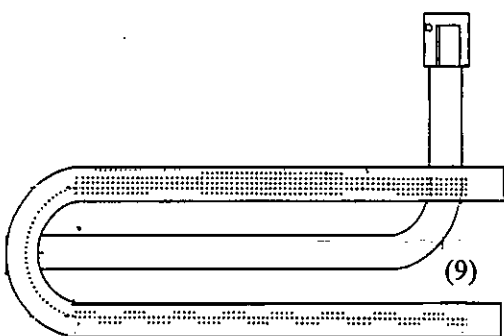
For the location of the nearest Traditions™ Dealer for replacement parts, contact:

Lennox Hearth Products
695 Pease Road
Burlington, WA 98233-3103

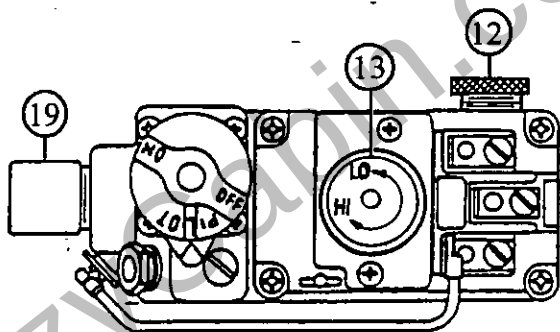
COMPONENT DIAGRAMS - Model TG440



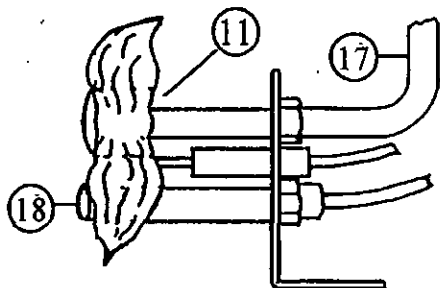
Burner Tube Assembly



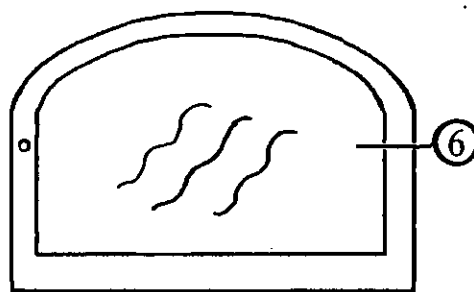
Valve Assembly



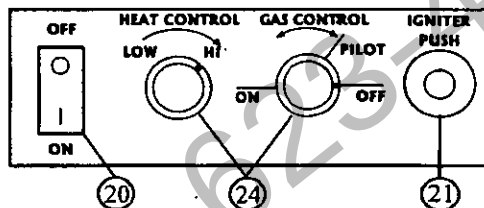
Pilot Assembly



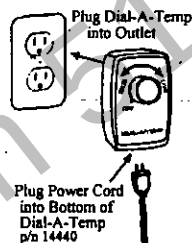
Door Assembly (8)



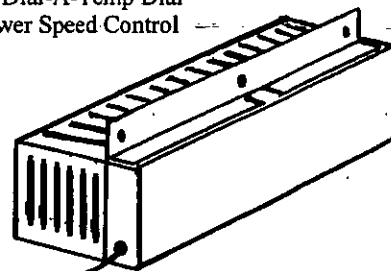
Control Panel



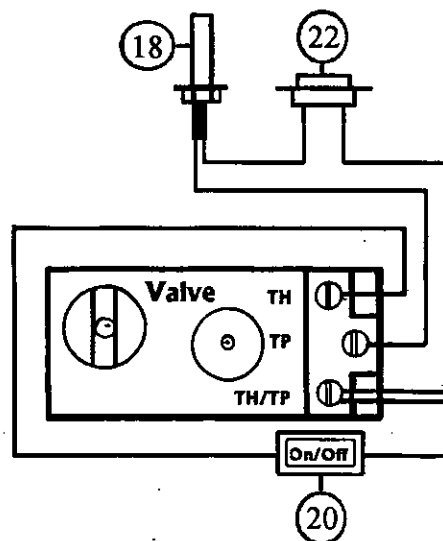
Optional Fan Kit



Rotate Dial-A-Temp Dial for Blower Speed Control



Wiring Harness



**Traditions™
Gas Appliance
Limited Warranty**

WHO IS COVERED:

The original purchaser.

WHAT IS COVERED:

100% of all parts to be free of defects in materials and workmanship (except marble, glass and enamel surfaces).

FOR HOW LONG:

One year from date of purchase.

Optional parts have a 90-day warranty.

Glass has a 30-day warranty.

No warranty is offered on chipping of enamel surfaces. Inspect your Traditions stove prior to accepting it for any damage to enamel.

ADDITIONAL COVERAGE:

The stove body and doorframe is covered in years two through five at the current retail price at time of repair or replacement, according to the schedule below:

Year 2 - 80% coverage
Year 3 - 60% coverage
Year 4 - 40% coverage
Year 5 - 20% coverage

Years two through five coverage excludes

(The following are not part of the stove body or doorframe).

Gaskets/Rope	Thermopile	Fan override disc
Baffles	Thermocouple	Log Racks
Paint	Igniter	Wiring
Logs	Spill Switch	On/Off Switch
Valve	Orifices	Thermal Disc(s)
R.B. Regulator	Heat Exchanger	Burner

WHAT IS NOT COVERED:

* No warranty is offered on chipping of enamel surfaces. Inspect your Traditions stove prior to accepting it for any damage to enamel.

* The cost of inspection

* Adjustments to the stove

* Removal and reinstallation costs, shipping costs to and from factory and/or authorized service center.

* Shipping damage, improper handling, improper operation, misuse, abuse, neglect, accident, damage from improper installation, alteration, or unauthorized service.

WHAT YOU MUST DO TO OBTAIN WARRANTY SERVICE:

Contact your selling dealer. Provide the following information to the dealer; Model number, Serial number, Date of Purchase, and Place of Purchase (if different).

OR

For inspection prior to repair or replacement, send the defective part (Freight Prepaid) with the above information to:

Lennox Hearth Products
695 Pease Road
Burlington, WA 98233-3103

IMPORTANT: THIS WARRANTY IS NOT VALID UNLESS:

The warranty registration card has been properly completed and returned within 30 days of purchase.

The defective stove or part is promptly delivered, with **ALL FREIGHT AND HANDLING CHARGES PREPAID**, to Lennox Hearth Products or our authorized dealer from which the stove was purchased.

When returning parts for warranty, do not cut wires, alter or disassemble part(s).

The appliance must be installed by a **Qualified Installer** in accordance with the instructions.

The Safety Listing/Serial Number label must be intact and have original attachment to the appliance. Removing this label from the appliance will void the warranty.

We shall not be liable for incidental or consequential damages or commercial loss, nor for any loss or damage except as set forth in this warranty.

This warranty gives you specific legal rights and you may have other rights, which vary, from state to state. Some states may not allow the limitations or exclusions set forth so the limitations or exclusions may not apply to you. No person is authorized to extend or enlarge any liability or obligation, which we may have in connection with the sale of the stove.

RETAIN THIS FOR YOUR RECORDS

Model _____

* Serial Number _____

Dealer _____

Date of Purchase _____

* Freestanding stove - Serial number is located on the rear panel.
Inserts - Serial number is located to the left of valve assembly.

ALL THE ABOVE MUST BE BORNE BY THE PURCHASER

LIGHTING LABEL

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

A. This appliance is equipped with a piezo ignition device to light the pilot. When lighting the pilot, follow these instructions exactly.

B. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.

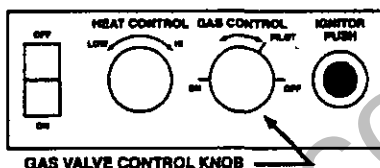
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use any tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

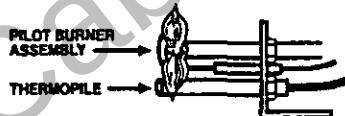
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Lighting Instructions

1. **STOP!** Read the safety information above on this label.
2. Turn On/Off switch to the "OFF" position.
3. Turn off all electric power to the appliance, if optional fan is used.
4. Turn gas control knob clockwise to "OFF".



5. Wait five (5) minutes to clear out any gas. If you smell gas, **STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to next step.
6. Find pilot - follow metal tube from gas control. The pilot is behind the right hand end of the front burner tube.



7. Turn gas control knob on control counterclockwise to "PILOT".

8. Push the knob down all the way and hold in that position. Immediately light the pilot by pressing the ignitor button several times until pilot is lit. Continue to hold the control knob in for about (1) minute after the pilot is lit. Release button and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 4 through 8 holding knob down an additional 15 seconds.

- If button does not pop up when released, stop and immediately call your service technician or gas supplier.
- If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

9. Turn gas control knob counterclockwise to "ON". Knob can be turned to "ON" only if the control knob has popped up.
10. Turn On/Off switch to "ON". This will light the main burner.
11. Adjust flame height with heat control knob clockwise for full flame, counterclockwise for reduced flame.
12. If optional wall thermostat is used, set to desired temperature.
13. If optional fan is used turn on and adjust to desired air flow.

TO TURN OFF GAS TO APPLIANCE

1. Turn off the On/Off switch.
2. Turn off electric power to the appliance if service is to be performed.

3. Turn gas control clockwise to "OFF". Do not force.

SPECIFICATIONS: Model TG440

Approx. Sq.
Ft. Heating
Capacity

~1500 sq. ft.

Flue Size

4" Top Vent

Height w/
Flue Collar

28"

Height

26 1/2"

Width

27"

Depth

27"

Stove Back to
Flue Center

9 1/2"

Fuel

Natural or LP Gas
Gas inlet 3/8" NPT

Performance
Features

Variable Flame Control
Multi tube and plenum heat exchanger
Natural convection & radiant heat

Heat Input

25,000 to 40,000 BTU's (NG)
23,500 to 38,000 BTU's (LP)

Ship Weight

350 lbs.

Options

Thermostat (18120)

LP Conversion Kit (18100)

High Altitude Kit (18115)

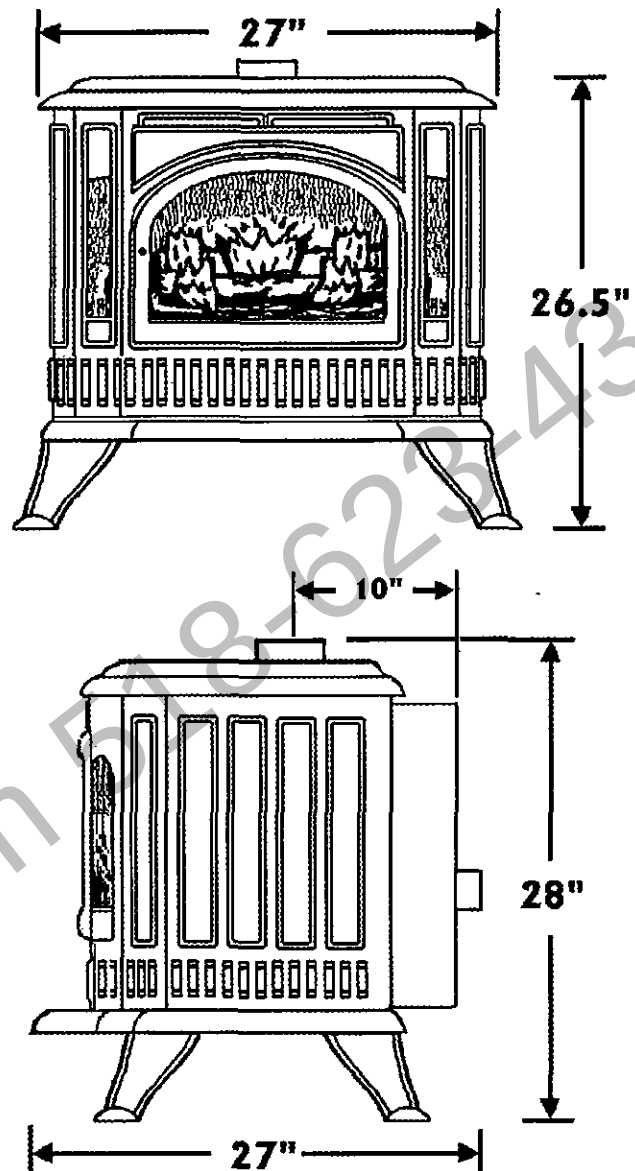
160 CFM Variable Speed Blower (18150)

Marble (gray -MS102, green - MS105)

Fan Sensor Kit - Automates Blower (18125)

~ Square feet heating capacities are approximations only. They will vary depending upon the level of insulation, climate, house design, ceiling height, ambient outside temperatures and how the stove is operated.

Dimensions shown are approximations only (+/- 1/4")



SPECIFICATIONS				
GAS TYPE	NATURAL	PROPANE (LP)	MINIMUM CLEARANCES TO COMBUSTION	
Manifold Pressure	3.5" WC	10.0" WC	Back Wall	6 In./153mm
Orifice Size	#33 (.113")	#51 (.067")	Side Wall	15 In./381mm
Min. Supply Pressure	4.5" WC	10.5" WC	Corner	10 In./254mm
Input BTU/HR	40,000	38,000	Ceiling Minimum	78 In./1982mm
Output BTU/HR (efficiency)			Alcove Min. Height	60 In./1524mm
With Blower On	28,800 (72%)	27,360 (72%)	Alcove Min. Width	54 In./1372mm
Canadian Standard	28,800 (72%)	26,980 (71%)	Alcove Min. Depth	32 In./813mm
Input - Low Flame Setting	1.3" WC - 25,000 BTU	6.4" WC - 23,500 BTU		
Altitude - 0-2000 Ft. (0-610M) No derating Above 2000 Ft. (0-610M) Reorifice per manual		Electrical Rating - Optional Fan (PT#18150), 120V 60Hz, 1.5A USE WITH B-VENT CHIMNEY		
This Appliance is equipped at the factory for the use with Natural Gas. For propane, a conversion kit (p/n 18100) as supplied by the manufacturer must be used to convert this room heater to the alternate fuel.				

SAFETY/LISTING LABEL

LISTED GAS FIRED VENTED ROOM HEATER

Warnock Hersey



WH-

REPORT NO. 6653
(JULY 1993)

TRADITIONS™

Model TG440

Certified for use in USA and Canada
Tested to ANSI Z21.11.1 1991. CAN/CGA 2.1 M89 CAN/CGA 2.17 M91

SPECIFICATIONS			
GAS TYPE	NATURAL	PROPANE (LP)	MIN. CLEARANCES TO COMBUSTIBLE
Manifold Pressure	3.5" WC	10.0" WC	Back Wall 6 in. / 155 mm
Orifice Size	#31 - .120"	#51 - .067"	Side Wall 15 in. / 380 mm
Min. Supply Pressure	4.5" WC	10.5" WC	Corner 6 in. / 155 mm
Input BTU/HR	40,000	31,000	Ceiling Minimum 78 in. / 1980 mm
Output (Canadian Std.)	75%	72%	Alcove Min. Height 60 in. / 1525 mm
Altitude - U.S.A.	0-4000 Ft.		Alcove Min. Width 54 in. / 1370 mm
Altitude - CANADA	0-4,500 Ft. (0-1372 M)		Alcove Max. Depth 32 in. / 810 mm
Electrical Rating-Optional Fan (PT18150), 120V, 60Hz, 1.5A			Use With B-Vent Chimney
This appliance is equipped at the factory for use with Natural Gas. For propane, a conversion kit as supplied by the manufacturer must be used to convert this room heater to the alternate fuel.			

Install and use only in accordance with the manufacturer's installation and operating instructions. Keep the burner and control compartment clean. This appliance must be installed in accordance with local codes, if any. If not, follow the current ANSI Z223.1 National Fuel Gas Code in USA, and CAN B149 in Canada. Electrical connections and grounding must be in accordance with local codes, if any. If not, follow the current National Electric Code ANSI/NFPA 70 in USA, or CSA C22.1 Canadian Electrical Code in Canada.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air. See installation and operating instructions accompanying appliance.

WARNING: Improper installation, adjustment alteration, service or maintenance, can cause injury or property damage. Refer to the owner's manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

Operation of this heater when not connected to a properly installed and maintained venting system or tampering with the vent safety shut off system can result in carbon monoxide (CO) poisoning and possible death.

CAUTION: Hot while in operation. Do not touch. Keep children, furniture, gasoline and other liquids with flammable vapors away. Never operate unit with glass door open.

Mfg. by Lennox Hearth Products, 695 Pease Road, Burlington, WA 98233-3103

DO NOT REMOVE THIS LABEL

MADE IN USA

Service Date	Service Technician	Service Description
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CozyCabin.com 518-623-4349

CozyCabin.com 518-623-4349

Manufactured by

LENNOX[®]

HEARTH PRODUCTS

**695 Pease Road
Burlington, WA 98233-3103**