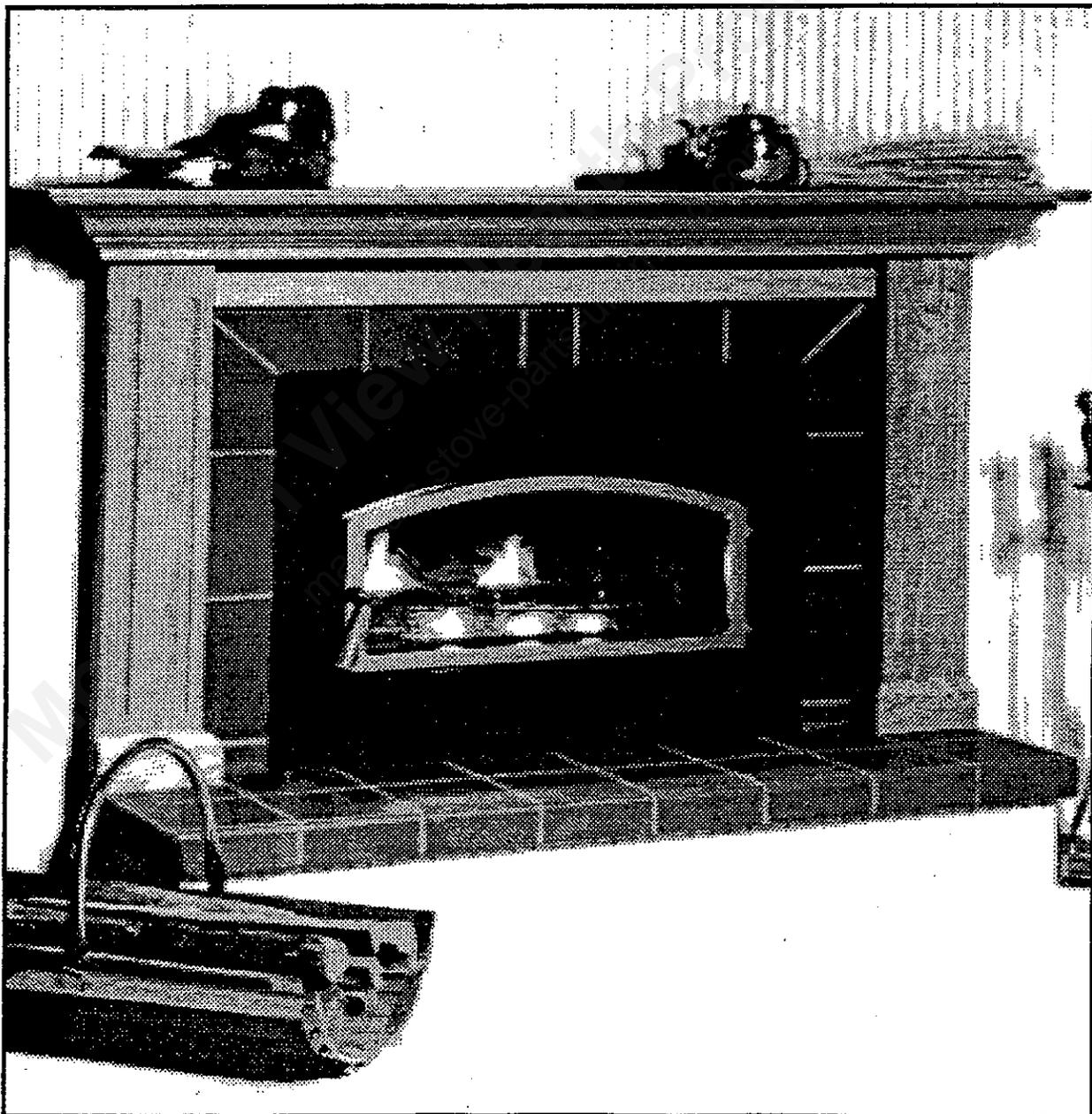


# Clayton

*Model Clay-40GZC*  
**GAS ZERO CLEARANCE  
FIREPLACE**



*Installation / Operator's Manual #31552*

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## FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

### If you smell gas:

1. Open windows
2. Don't touch electrical switches
3. Extinguish any open flame
4. Immediately call your gas supplier

**CAUTION:**  
Read Rules for  
Safe Operation  
& Instructions  
**CAREFULLY**

## IMPORTANT:

Installation must be made in accordance with State and local ordinances which may differ from this installation manual.

# INTRODUCTION

## WARNING

Improper installation, adjustment, alteration, service or maintenance may void warranty and cause injury or property damage. Refer to this manual.

For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

Installation must conform with local codes or with the national fuel gas code ANSI Z223.1-988 or with CANI-B149 installation code.

## IMPORTANT INFORMATION

For safe installation and operation of your gas fireplace, please note the following:

1. This appliance gives off high temperature and should be located out of traffic areas and away from furniture and draperies.
2. Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothings.
3. Children should be carefully supervised when they are in the same room as your fireplace appliance.
4. Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance.
5. Installation and any repairs to this appliance should be done by a qualified service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.
6. Control compartments, burners and air passages in this appliance should be kept clean and free of dust and lint. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.
7. The venting system (chimney) of this appliance should be inspected at least once a year and if needed, your venting system should be cleaned.
8. Keep the area around your appliance clear of combustible and liquids. This appliance should not be used as a drying rack for clothings, nor should Christmas stockings or decoration be hung in the area of it.
9. This appliance requires adequate ventilation for safe operation. Outside Air Kit is available from your local dealer if desired or required by local code.

10. Do not operate this appliance without glass in place. Replace damaged glass only with original equipment glass or equivalent. (Consult your Clayton dealer).
11. Under no circumstances should any solid fuels (wood, paper, cardboard, coal) be used in this appliance.

**THIS APPLIANCE IS FOR USE WITH NATURAL OR PROPANE GAS ONLY AS INDICATED ON RATING PLATE.**

**NOTE:** BTU ratings shown on the rating plate area for elevations up to 2,000 feet, for elevations up to 2,000 feet. For elevations above 2,000 feet, rating should be reduced at the rate of four (4) percent for each 1,000 feet above sea level.

GAS SPECIFICATIONS			
MODEL	FUEL	GAS CONTROL	MAXIMUM INPUT
C40NG	Natural	Remote On/Off	26,000 BTU/HR
C40PG	Propane	Remote On/Off	23,500 BTU/HR
Manifold Pressure - Natural Gas 3.5" W.C.P. Propane Gas 10.5" W.C.P.			
Gas Inlet - 1/2" NPT			
Supply	Minimum Pressure	Maximum Pressure	
Natural Gas	4.5" W.C.P.	10.5" W.C.P.	
Propane	10.0" W.C.P.	14.0" W.C.P.	

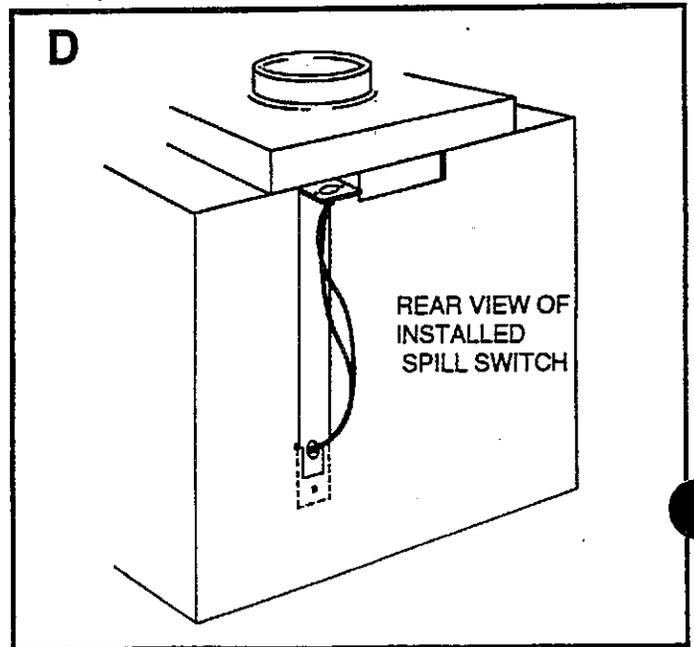
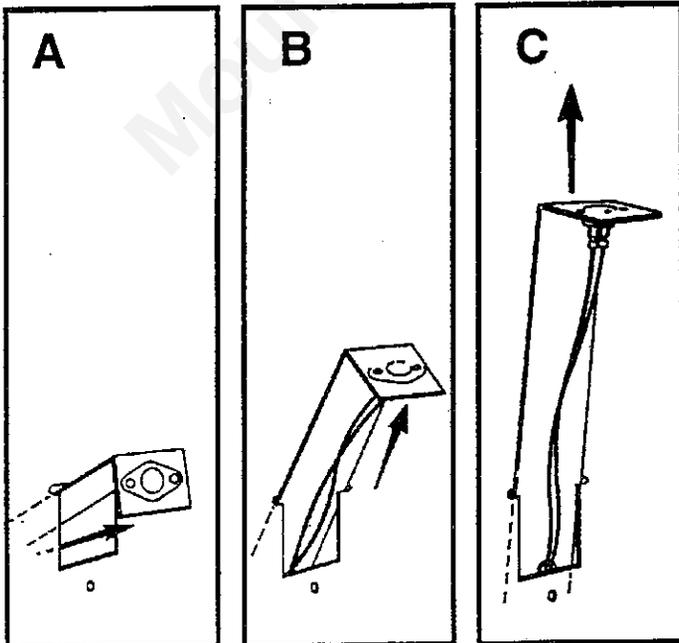
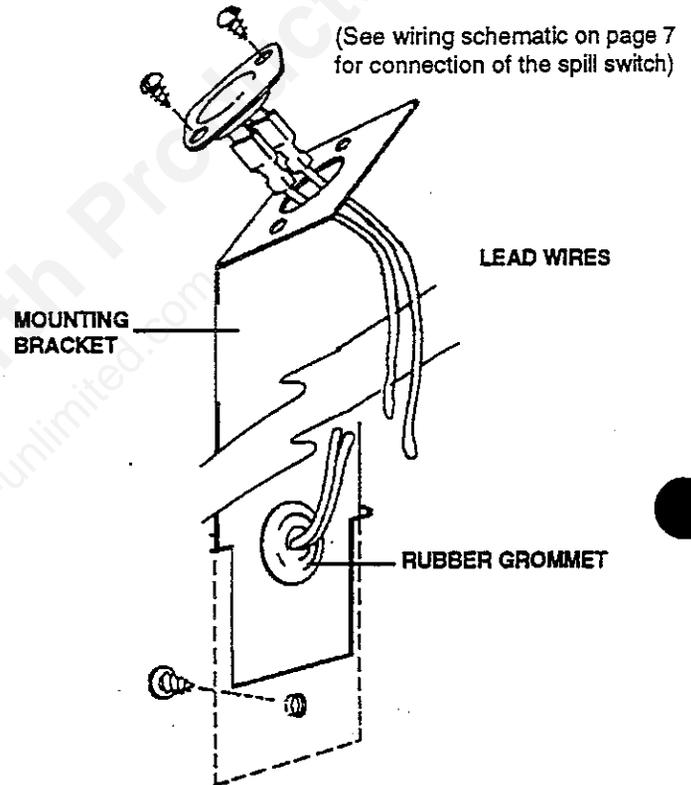
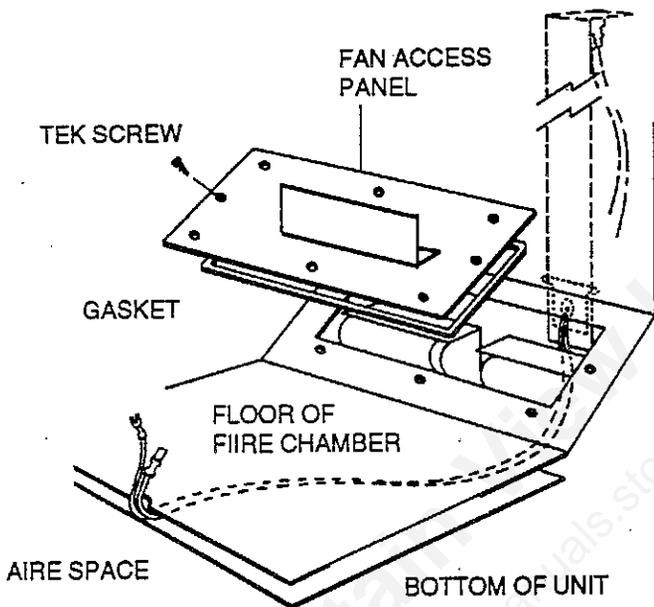
L.P. AND NATURAL ORIFICE			
0-2,000 feet	-	Natural	#41
		L.P.	#54
2,000-4,500 feet	-	Natural	#42
		L.P.	#55
4,500-6,000 feet	-	Natural	#43
		L.P.	#56

# Spill Switch Replacement - (Factory Installed)

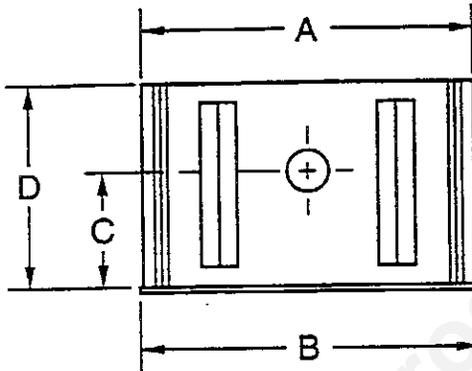
The spill switch is a temperature sensitive safety device that automatically shuts off the gas burner if heat of approximately 250 degrees or more is detected in the area of the flue outlet. Excessive temperature is usually the result of an improper flue connection. Once the temperature has dropped the burner can be reignited, but the spill switch will not allow continued operation until the source of the problem is corrected.

1. Remove fan access panel and gasket at the rear of the fire chamber.
2. Working through the fan compartment, slide the switch end of the spill switch mounting bracket through the square opening in the outer back of the unit.

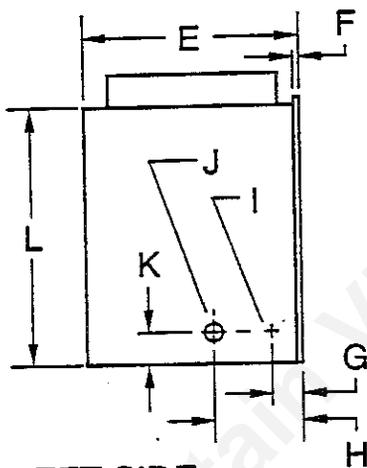
3. Slide the bracket upward until the screw hole at the bottom of the bracket lines up with the hole in the back of the unit.
4. Secure bracket from inside of fan compartment with a sheet metal screw.
5. Feed spill switch lead wires under floor of fire chamber and bring out at front of unit.
6. Replace gasket and fan access panel.



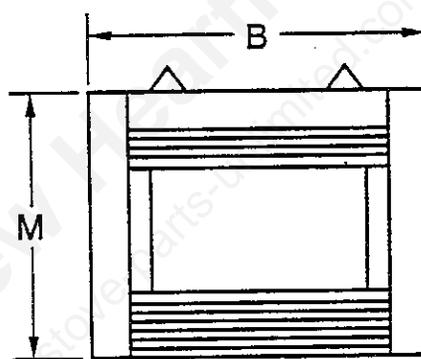
# GAS ZERO CLEARANCE FIREPLACE DIMENSIONS



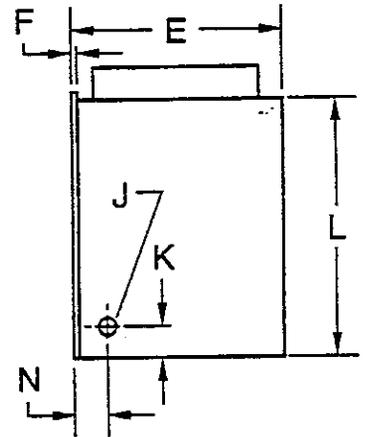
TOP



LEFT SIDE



FRONT



RIGHT SIDE

**A** 28-3/8"  
**B** 29-3/8"  
**C** 10-5/8"  
**D** 17-1/2"  
**E** 18-1/2"

**F** 1"  
**G** 3-1/8"  
**H** 7-1/2"  
**I** 7/8" dia.  
**J** 1-1/2" dia.

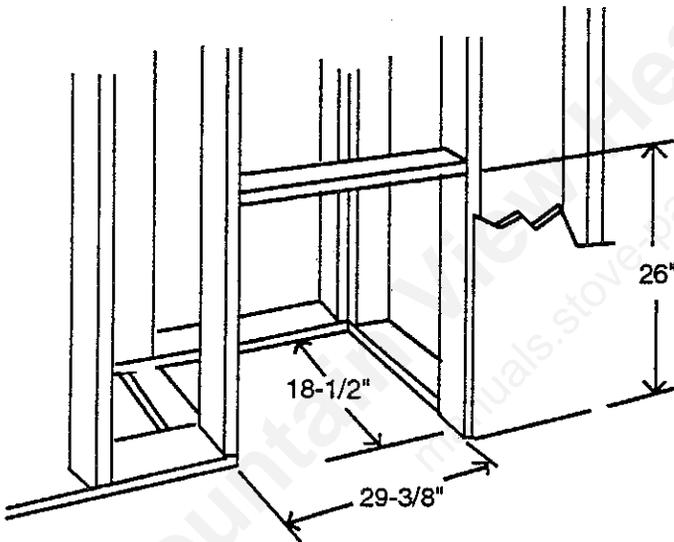
**K** 2-3/4"  
**L** 22-5/8"  
**M** 23-3/8"  
**N** 3-9/16"

# ZERO CLEARANCE GAS FIREPLACE

## PREPARATION OF INSTALLATION SITE

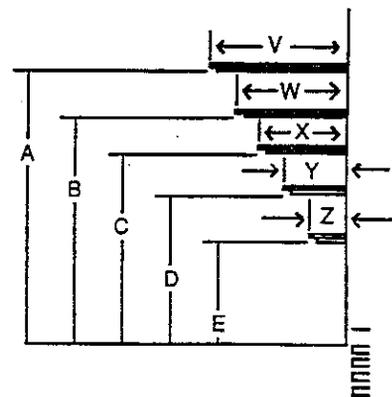
The CLAY-40 Gas Fireplace with zero-clearance kit may be installed directly on and against standard combustible building materials. **DO NOT, HOWEVER, INSTALL THIS UNIT ON CARPETS AND VINYL FLOORING OR AGAINST AN EXPOSED PLASTIC VAPOR BARRIER.**

1. Install hearth if desired. A hearth is not required, but will add Greater realism to the installation and provide added safety. The hearth should be a non-combustible material (stone, tile, etc.) and should extend 12" in front of the unit.
2. Frame in enclosure for fireplace with 2 x 4's. The unit may be elevated on a platform also constructed of 2 x 4 framing if desired. Rough opening for assembled kit, as shown below is 29-3/8" wide x 26" high x 18-1/2" deep.



## MANTEL CLEARANCES

MANTEL DEPTH	INCHES	HEIGHT FROM TOP GRILL				
		A	B	C	D	E
V	10"	12"				
W	8"		10"			
X	6"			8"		
Y	4"				6"	
Z	2"					4"



## INSTALLATION

1. Position assembled unit in rough opening and secure to floor and wall studs.
2. Install an approved 4" diameter (B) vent flue and connect to flue collar on fireplace. consult your dealer or heating contractor for proper installation procedures.
3. Run gas line to the right side of the unit.
4. Run electrical to the left side of unit.
5. Make gas connections and install logs as shown on page 5.
6. Make electrical connections as shown on page 6.
7. Install door handle.
8. Re-hang door assembly.
9. Push bottom trim piece into flush position with face of unit.

In cold climates, if the unit will be placed against exterior wall or chase, it is recommended that the exterior walls be insulated to conform to application insulation codes.

# CLAY - 40 GZC CLEARANCES TO COMBUSTIBLES

Back	0 inches
Sides	0 inches
Floor	0 inches
Top	0 inches from standoffs

See exceptions under "Preparation of Installation Site."

1. Install finished surface on framing. Drywall can extend flush with appliance on all 4 sides of front face, or can flush with z/c panels.

Non-combustible materials such as brick, tile or stone may project in front of and/or onto the face of the fireplace, but must not block any of the grill openings or interfere with removal of the door assembly.

2. The height at which a mantel must be installed above the top grill depends on the depth of the mantel. See chart on facing page. If the mantel will be painted, use a heat resistant paint to prevent discoloration.

**NOTE:** Combustible materials must not extend below the triangular standoffs on the top of the unit.

## GAS PIPE AND BURNER INSTALLATION

- A. The gas burner is factory installed with a gas line coming out on the right side of the unit.
- B. An accessible manual shut-off valve is required in the gas supply line. A ground joint union is required in the gas supply line to provide for burner removal or servicing. The burner pan and shields may be disassembled to provide better access for gas fittings, testing, and maintenance.
- C. When a vertical section of piping is required for installation, a condensation trap (drip leg) is required.
- D. For natural gas, a minimum of 3/8" iron pipe with gas pressure of 4.5 W.C. must be used for supply from the meter. Consult with the local gas utility for any questions concerning pipe size.

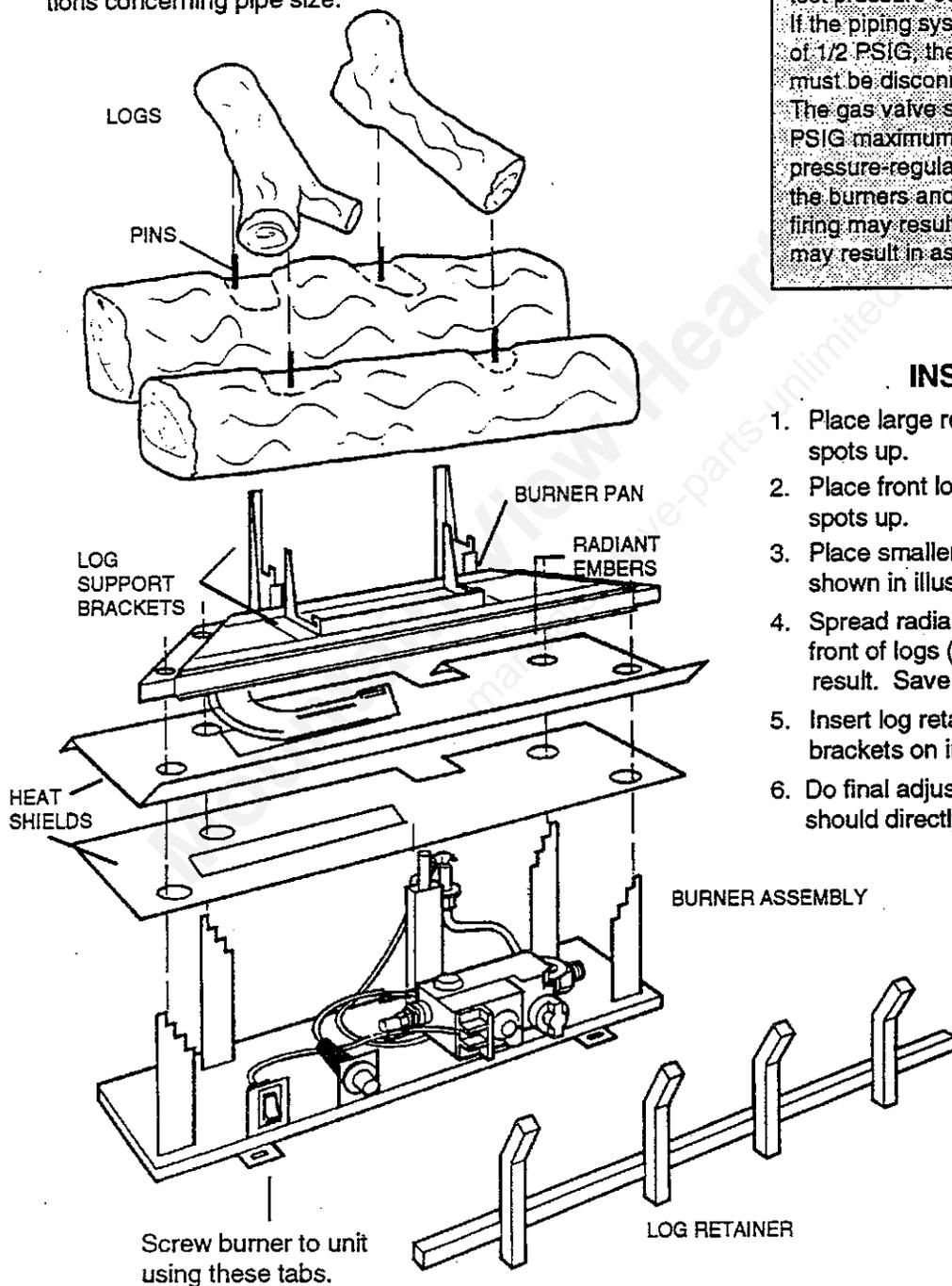
E. A 1/8"-NPT plugged tapping, accessible for test gauges connection, must be installed immediately up stream of the gas supply connection to the appliance.

F. Make gas connection to burner assembly with pipe or listed flexible connection. Seal space between pipe and knockout on firebox with high temp caulk. See illustration below.

G. Turn gas supply on and check for leaks using a soap and water solution.

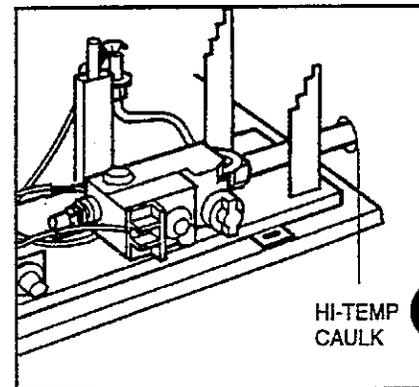
**(DO NOT USE NEAR AN OPEN FLAME).**

The fireplace must be isolated from the gas-supply piping system by closing the individual manual shut-off valve during any pressure testing of gas-supply piping system at test pressure equal to or less than 1/2 PSIG or 14" W.C. If the piping system is to be tested at pressures in excess of 1/2 PSIG, the fireplace and its individual shut-off valve must be disconnected from the gas-supply piping system. The gas valve supplied with this fireplace is rated at 1/2 PSIG maximum. Any higher pressure may rupture the pressure-regulator diaphragm and will cause over-firing of the burners and improper burner operation. The over-firing may result in creation of carbon monoxide which may result in asphyxiation.

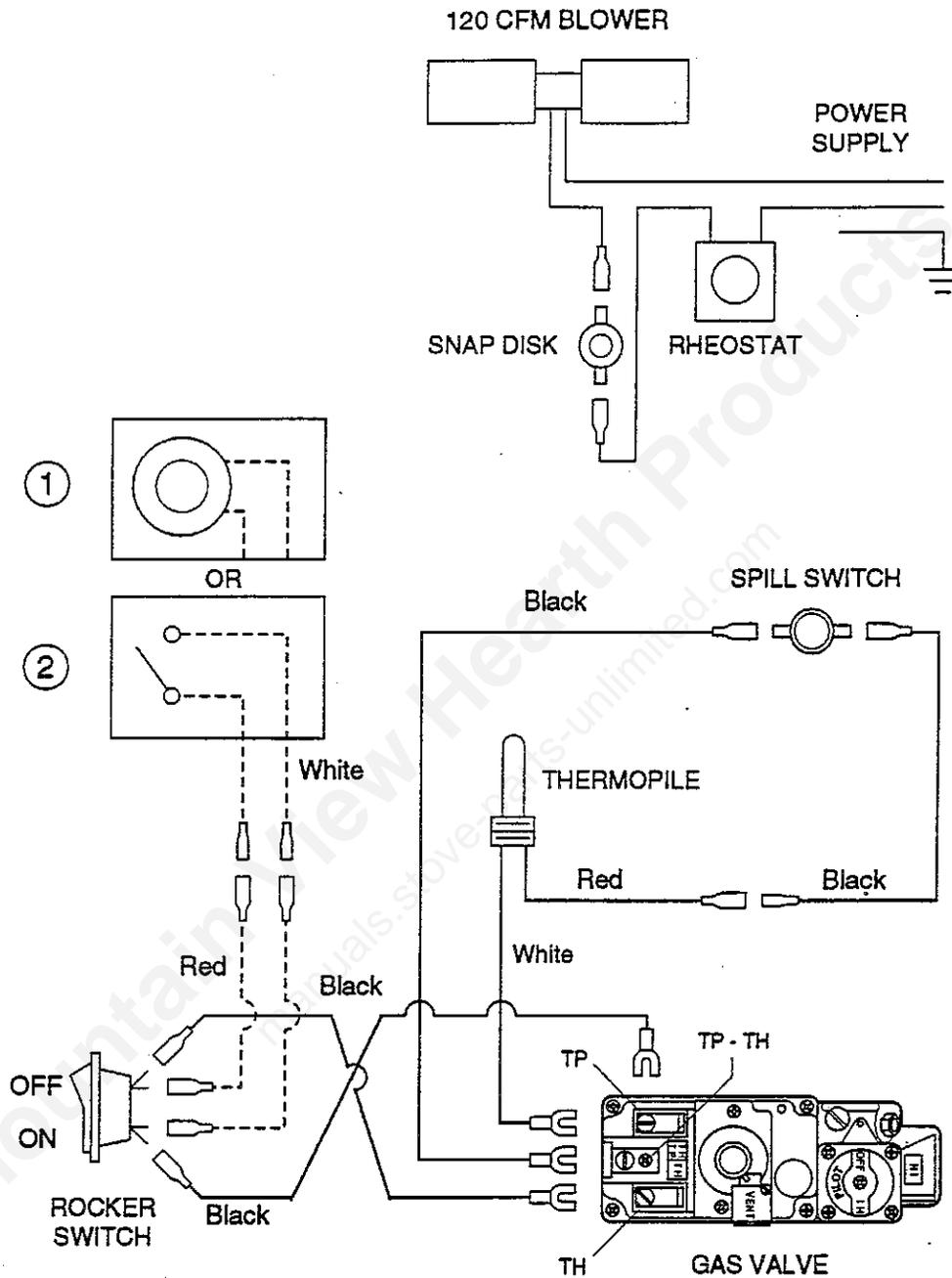


## INSTALLATION OF LOGS

1. Place large rear log against back support bracket, flat spots up.
2. Place front log against front support bracket, flat spots up.
3. Place smaller top logs on flat spots of bottom logs as shown in illustration at right (install 4 pins).
4. Spread radiant ember material along screen area in front of logs (many small pieces will give you the best result. Save the bag of radiant embers for future use).
5. Insert log retainer. Ends are supported by "U" brackets on interior sides of firebox
6. Do final adjustment of logs with burner on. No flames should directly hit the logs.



# CLAY 40G WIRING SCHEMATIC



## CONTROL OPTIONS

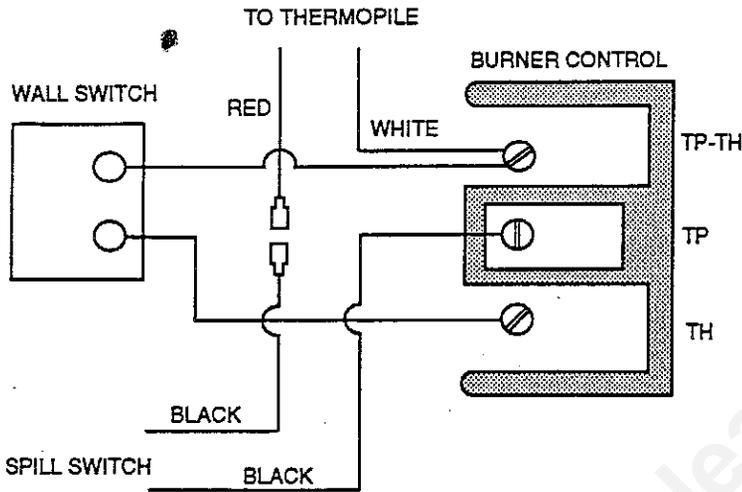
- ① THERMOSTAT
- ② A. WALL SWITCH  
B. REMOTE

NOTE: Gas unit will not operate unless spill switch is installed.

----- Indicates low voltage wiring

## INSTALLATION OF REMOTE WALL SWITCH FOR AUTOMATIC GAS VALVE

1. Thread wire through gas inlet opening. Be sure not to cut wire. Run wire to a conveniently located wall receptacle box. For best long term results, switch must not be more than 10 feet from fireplace.
2. Attach wire to switch and install in receptacle box.
3. Connect wiring to gas valve.

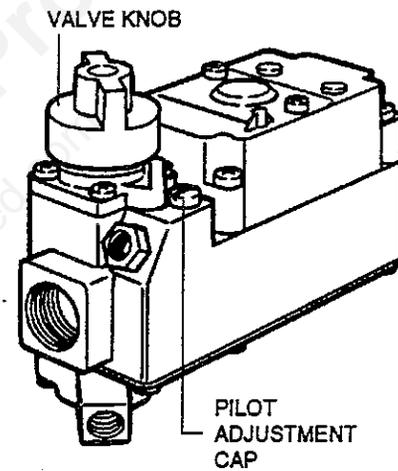


## LIGHTING PROCEDURE

**NOTE:** Remove door assembly before lighting.

1. Partially depress and turn the valve knob to the "OFF" position.
2. Wait sufficient time to allow gas which may have accumulated in the burner compartment to escape (at least 5 minutes).
3. Turn valve knob to the "PILOT" position.
4. Depress and hold valve knob while lighting pilot. Allow pilot to burn one-half minute before releasing valve knob. If pilot does not remain lighted, repeat operation allowing a longer period before releasing valve knob.
5. Turn valve knob to "ON" position.
6. If unit fails to start, repeat steps "1" through "5" or go to the troubleshooting section on page 10.

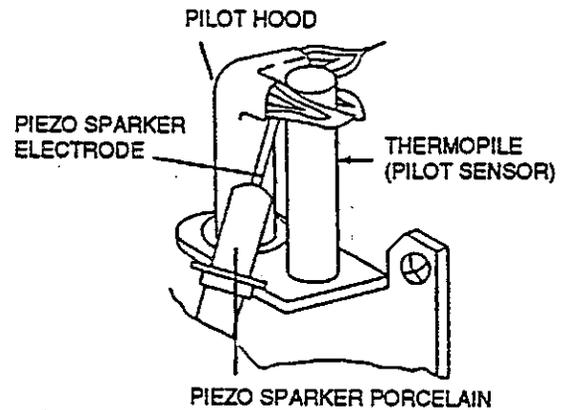
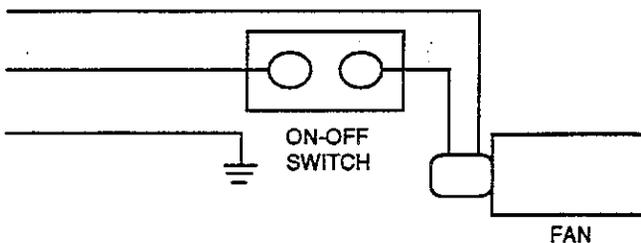
### GAS CONTROL VALVE:



## INSTALLATION OF BLOWER (Factory Installed)

The Clay-40G is equipped with a blower which has a speed control and a three-wire grounded cord. This appliance, when installed, must be electrically grounded in accordance with local code and national electric code, ANSI/SFPA 70.

### FAN WIRING DIAGRAM



## PILOT BURNER ADJUSTMENT

1. Remove pilot adjustment cap.
2. Adjust pilot key to provide properly sized flame, the flame should cover the upper 3/8" of the tip.
3. Replace pilot adjustment cap.
4. Leak test.

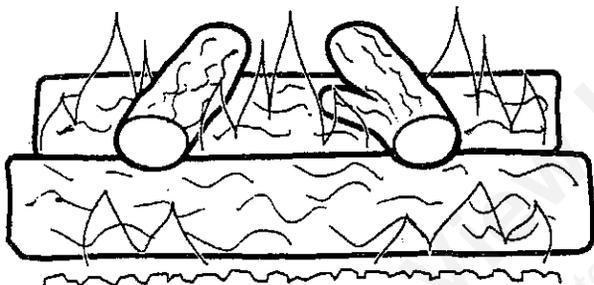
## MAINTENANCE

It is important to keep burner and the burner compartment clean. This must be done periodically, at least once per season.

Steps for Cleaning Procedure:

1. Turn off pilot.
2. Remove door assembly (See instructions).
3. Remove logs.
4. Vacuum burner compartment, especially around the orifice opening.
5. Reinstall logs.
6. Replace glass.
7. Ignite pilot - see Operating Section of the manual.
8. Operate the burner and visually check to make sure the flame pattern appears similar to the pictorial illustration below.

**NOTE:** It is important to periodically perform a visual check of the pilot, the burner flame and flame impingement and to compare them with the diagram shown below. No flame should directly hit the logs.



## SHUT-DOWN PROCEDURE

- a) To turn off Main Burner only, turn Valve Knob to "PILOT" position.
- b) For complete shut down, slightly depress Valve Knob, turn to "OFF" position.

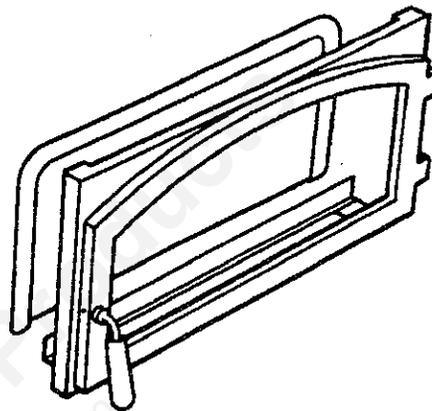
The Burner Assembly has been engineered and permanently adjusted for proper flame control. **DO NOT ALTER GAS ORIFICE.**

Periodic visual checks of the Pilot Flame should be conducted to ensure that the flame is continuously present except when the Valve Knob is in the "OFF" position.

Periodically remove the logs from the grate assembly and vacuum any loose particles from the Grate and Burner area.

## REMOVAL OF DOOR ASSEMBLY AND GLASS

1. Remove two screws at bottom of door frame.
2. Remove door frame by swinging bottom out and lifting up to unhook top.
3. Lift glass straight up out of retaining channels. Note that gasket on glass faces towards front of unit. To reinstall, reverse procedure.



**NOTE:** Handle on door is for aesthetics only, don't pull or turn on handle

## FAN REMOVAL INSTRUCTIONS

1. Turn off gas and electricity.
2. Remove door assembly (see instructions above).
3. Remove logs and disassemble burner assembly. See page 6.
4. Remove fan cover plate (8 screws in back). Note baffle on back of fan cover plate goes up.
5. Remove two fan mounting nuts.

## OPTIONAL EQUIPMENT

### OUTSIDE AIR KIT #69065

Includes Vent Hood, 90° Elbow and Clamps.

### THERMOSTAT KIT #69142

Provides automatic temperature control. You set the temperature at your comfort level.

### HAND HELD REMOTE KIT #69070

Arm Chair convenience at the press of a button.

### WALL SWITCH KIT #69055

Allows convenience of turning unit on with a switch.

# GAS PRESSURE REQUIREMENTS

The number one cause of all operating problems with gas appliances is improper gas pressure!

Such problems as changes in flame color or configuration, gas pilot or burner outages, intermittent operation, changes in heat output, excessive burner noise, etc., are nearly always the result of changes in gas pressure or improper gas pressure at the time of the installation.

The most important item to check during the initial installation and the first thing to check when operating problems occur is gas pressure!

Gas Supplies normally enter a typical residence at 1/2 PSI (13"-15" W.C.) (3.KPA). A regulator is then placed inside the residence which drops this pressure to 7" W.C. (1.8KPS) (Nat. Gas).

This "inches to inches" regulator is of adequate capacity to service the gas appliances such as water heater, dryer, furnace, etc. If this regulator's capacity is not sufficient to add the Gas Clay 40, an additional "inches to inches" regulator must be installed specifically for the fireplace. EXCEPTION: some codes allow 2 PSI (1.4KPA) supplies to enter the residence, in which case "pounds to inches" regulators are used.

The following table provides information on correct gas pressure requirements. **Be sure your gas supplier or plumber carefully follows this table when installing your Gas Appliance.**

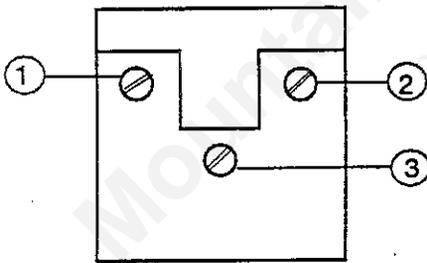
	DESIRED PRESSURE	MINIMUM PRESSURE	MAXIMUM PRESSURE	MANIFOLD PRESSURE*	AIR SHUTTER POSITION
<b>NATURAL GAS</b>	7.0" W.C	4.5" W.C.	10.5" W.C	3.5" WC	1/8" OPEN
<b>LP. GAS</b>	11.0" W.C.	10.0" W.C	14.0" W.C.	10.5" W.C.	FULL OPEN

\*1/8" N.P.T. Pressure tap is located on Robertshaw Control - manifold pressure must be taken with burner operating.

## MILLIVOLT SYSTEM CHECK

The millivolt system and individual components may be checked with a millivolt meter having a 0-1000 MV range. Before checking the system, be certain wall thermostat lead wire does not exceed length recommended in the Wiring Section Table, and all connections are clean and tight.

Conduct each check shown in the chart below by connecting meter test leads to terminals as indicated. All readings are closed circuit.



Component Check	Connect Meter Test Leads To Terminals	Wall Thermostat Contacts Should Be	Meter Reading Should Be	See Check Result Below
<b>Valve Operator System</b>	2 & 3	Closed	Greater Than 100 MV	A
<b>Wall Thermostat</b>	1 & 3	Closed	Less Than 80 MV	C
<b>Thermopile and Magnet</b>	1 & 2	Open	Greater Than 325 MV	B

### A. TEST RESULTS

If the reading is more than 100 millivolts and the automatic valve does not come on, replace the valve operator. If the closed circuit reading is less than 100 millivolts, determine the cause by preceding with steps "B" and "C".

### B. TEST RESULTS

If "B" reading is less than 325 MV, clean and tighten all electrical connections and adjust pilot if necessary to increase millivolt output. If unable to adjust to at least the specified minimum, change the thermopile.

When proper thermopile output is obtained, the magnet may then be checked. With pilot in operation, allow meter reading to stabilize. Extinguish pilot burner and note meter reading at dropout point of magnet. If magnet remains locked up to a reading of 120 MV or less, the magnet is good.

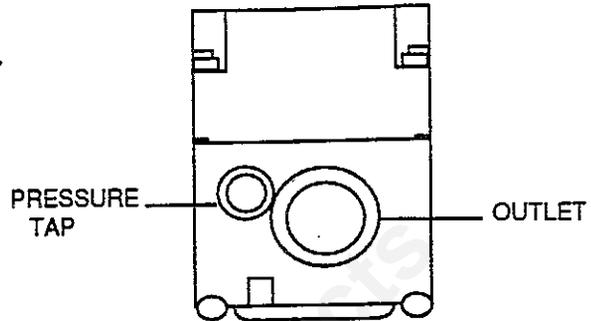
### C. TEST RESULTS

If "C" reading is more than that specified for the system be checked, clean and tighten thermostat leads and connections. Shorten lead wires if possible or use heavier gauge wire. Rapidly cycle thermostat to clean contacts, or change the thermostat.

# PRESSURE REGULATOR ADJUSTMENTS

Adjustment of the pressure regulator is not normally necessary since it is preset at the factory. However, field adjustment may be accomplished as follows:

**NOTE:** Manometer attachment may be accomplished at pressure tap plug, below control outlet, as shown in figure below.



## MANUAL AND ELECTRIC MODELS

1. Manometer or gauge attachment may be accomplished at pressure tap plug.
2. Remove regulator adjustment screw cap (top of regulator).
3. With small screwdriver, rotate adjustment screw "clockwise" to increase, or "counterclockwise" to decrease pressure.
4. Replace regulator adjustment screw cap.

The Claytons have been safety tested by Warnock Hersey Inc. to the following standards:  
ANSI Z21.11.1b and Can 1-2.1-Vented Room Heater  
Safety Controls - AGA Certified  
Switches and Rheostats - UL Listed

## AGA/ANSI APPROVAL

Gas appliances must be tested and certified by a nationally recognized testing and certification laboratory to ANSI (American National Standards Institute) gas appliance safety standards.

There are a number of nationally recognized testing and certification agencies around the United States and Canada. Among them are Warnock Hersey, AGA Laboratories, UL Laboratories, etc.

The Clayton Clay-40G has been tested and certified by Warnock Hersey Inc., 8431 Murphy Drive, Middleton, Wisconsin 53562 to ANSI #Z21.111b vented room heater and CAN 1-2.1.

The Clayton Clay-40G has met all necessary AGA/ANSI Standards and are fully certified for installation in any community. If there are any questions or if you need further substantiation either write to or call Warnock Hersey, Inc. in Middleton at (608) 836-4400, Wisconsin

# TROUBLESHOOTING

---

**PROBLEM: Piezo sparker won't light pilot.**

**POSSIBLE CAUSES:**

1. Misaligned electrode.
2. Incorrect wire connections.
3. Defective electrode (too cracked, dirty, or misaligned).
4. Defective push button.
5. No gas present.

**REMEDIES:**

1. Realign electrode so it produces spark into pilot hood (approximately 1/8" from pilot hood).
  2. Make sure connections are proper.
  3. Replace electrode if shorted out or if it has cracked porcelain.
  4. Replace push button.
  5. turn gas on.
- 

**PROBLEM: Pilot will not stay lit.**

**POSSIBLE CAUSES:**

1. Incorrect lighting procedure.
2. Pilot flame not making proper contact with thermopile.
3. Bad connection between thermopile and screw terminals on gas valve.
4. Wires on wrong terminals.
5. Thermopile is defective, dirty or weak.
6. Thermopile is shorting out where it passes through cabinet.
7. Gas valve will not prove pilot.
8. Spill switch wires not connected or bad switch.
9. Air on line.
10. Wire from valve to wall switch or remote switch is nicked or shorting out.
11. Switch defective or short in circuit.

**REMEDIES:**

1. Checking lighting instructions found on label in gas fireplace or in owners manual.
2. Adjust pilot up.
3. Make sure screws are snug holding thermopile. (Do not overtighten or you will strip them.)
4. White lead from thermopile must go to top screw TH TP terminal and red wire must go to spill switch wire.
5. Test with millivolt meter and replace if necessary. Thermopile should read about 325-550 millivolts.

6. Replace thermopile.
  7. Replace valve.
  8. Connect spill switch wires to valve - make sure spill switch is closed with meter.
- 

**PROBLEM: Pilot stays on but main burner won't come on.**

**POSSIBLE CAUSES:**

1. Wired incorrectly.
2. Wall switch, on/off switch, or remote hand switch defective.
3. Not enough voltage being generated by pilot.
4. Defective control valve.

**REMEDIES:**

1. One wire to top screw (TH TP) of valve, one to bottom screw (TH). One wire to each side of switch or thermostat.
  2. Replace wall switch, on/off switch, or remote hand switch.
  3. Adjust pilot light up to create more voltage or replace thermopile.
  4. Replace control valve.
- 

**PROBLEM: Wall switch must be pushed multiple times to make flame come on.**

**POSSIBLE CAUSES:**

Defective wall switch.

**REMEDIES:**

Replace wall switch.

**NOTE:** Can use standard single pole electrical switch.

**PROBLEM:** Window keeps getting sooty.

**POSSIBLE CAUSES:**

Unit needs more primary air.

1. Blocked primary air port.
2. Unit is spilling.
3. Flame impingement on logs or elsewhere.
4. Logs too close to or touching glass.
5. Valve and burner over-fired.

**REMEDIES:**

1. Check between the elbow and orifice where it enters the side of the burner. Over a period of time dust, lint, pet hair, etc. can plug primary air hole. Clean out.
2. Check for blocked flue or downdraft situation.
3. Reposition logs or adjust flame.
4. Move logs to allow at least 3/8" clearance from logs to glass.
5. Check the amount of flow with monometer, and adjust regulator if necessary.

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**PROBLEM:** Dirty window. (White on window.)

**POSSIBLE CAUSES:**

Initial burn off of paint and sealants used to produce unit.

**REMEDIES:**

1. Clean window using AJAX or COMET, and paper towel.
2. Dissolve powder AJAX or powder COMET in water on window. Clean in small circular motions. Rinse thoroughly and reinstall in unit. DO NOT USE ANY LIQUID CLEANERS on window. It will burn black on window when reinstalled.

**Note:** Windows are made of neo (pyro) ceramic, NOT glass. Because of this, they will handle temperatures in excess of 1,200° F constant temperature. The window only reaches between 500-600° F. Because of this it is almost impossible to bake something into the window. Most things will, with a little effort, come off if you follow these directions.

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**PROBLEM:** Circulating fan speed does not vary.

**POSSIBLE CAUSES:**

Variable speed rheostat defective.

**REMEDIES:**

Replace rheostat.

**Note:** Only replace rheostat with a rheostat supplied by Clayton Light dimmer switches or incorrect rheostats will burn out the fan motor. This will void the warranty of the fan.

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**PROBLEM:** Fan makes humming sound, but won't come on.

**POSSIBLE CAUSES:**

1. Rheostat needs adjustment.
2. Fan impellers dirty.
3. Fan defective.

**REMEDIES:**

1. Adjust variable speed control.
2. Clean fan.
3. Replace fan.

**Note:** Make sure the fan plug-in cord is not nicked by decorative trim kits. This could cause the fan to short out and also damage the gas valve.

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**PROBLEM:** Fireplace not venting

**POSSIBLE CAUSES:**

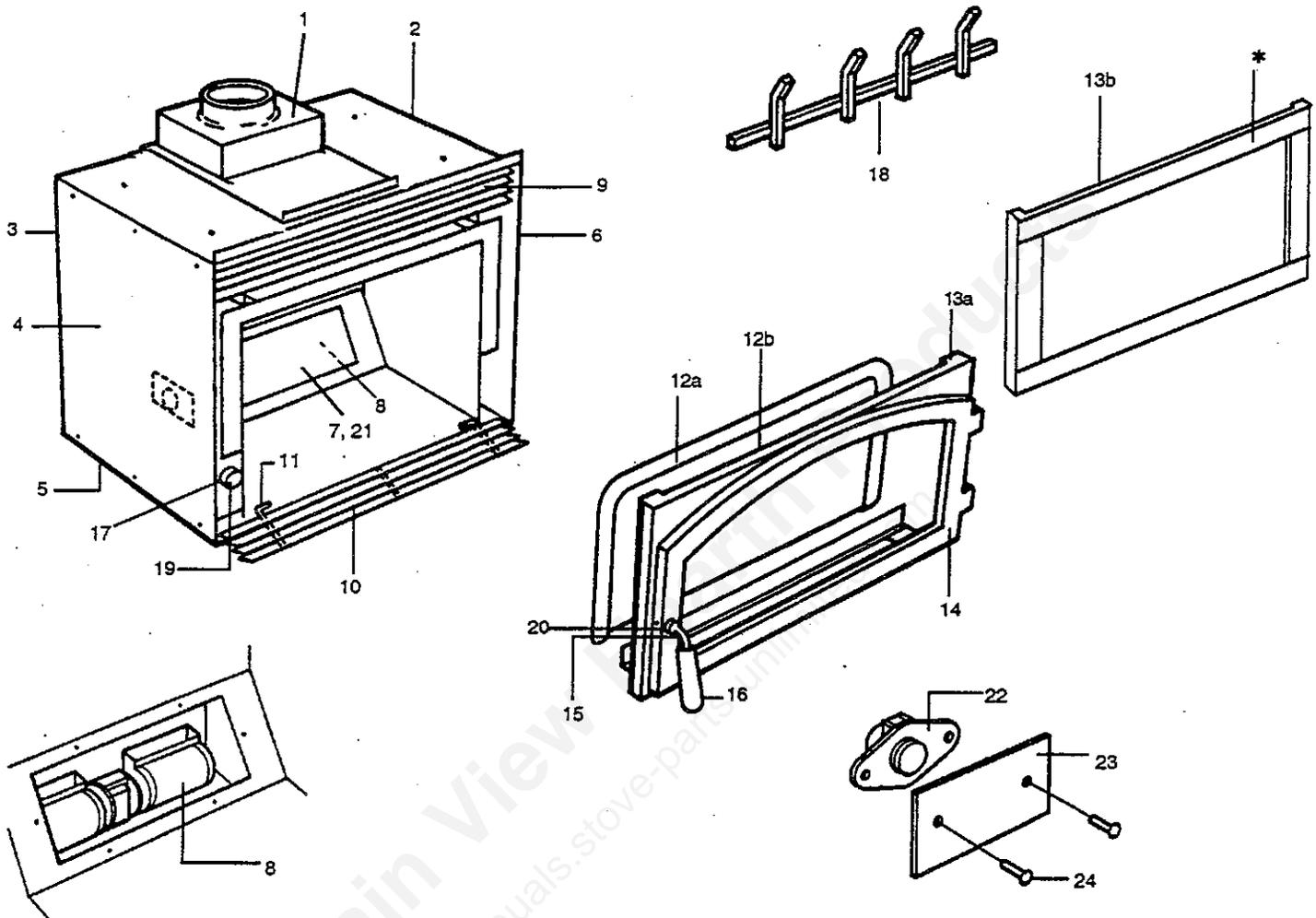
1. Chimney blocked.
2. Air problems in house, negative pressure, etc.
3. Improper chimney installation.

**REMEDIES:**

1. Remove blockage.
2. Air used must be replaced. Guidelines can be found in your local gas codes under "Combustion Air Requirements". Install Clayton outside air kit.
3. Check all chimney connections for proper fit.

## CLAY-40 GAS FIREPLACE PARTS LIST

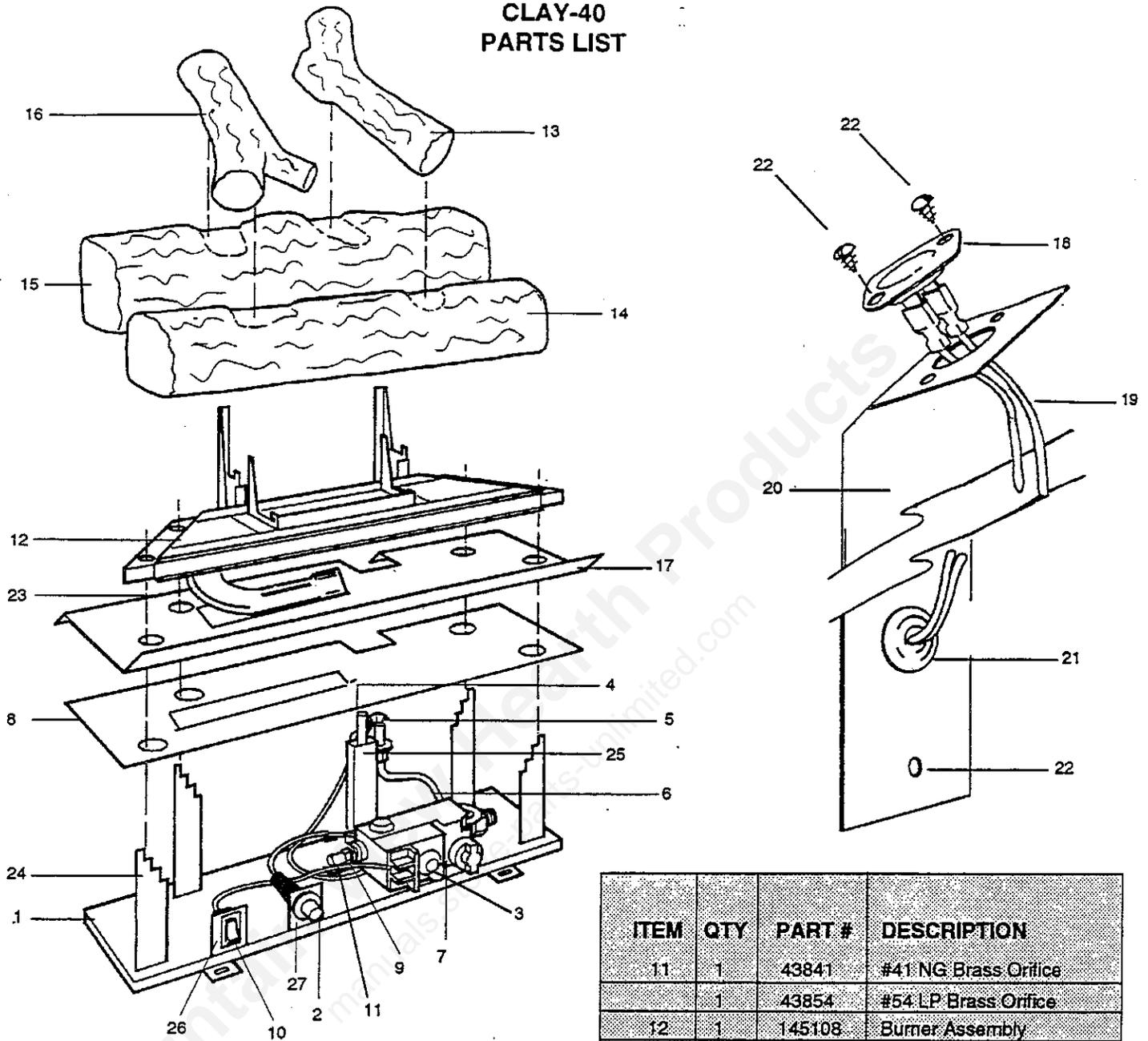
All repair parts will be available from your local dealer. When ordering, always give the following information: (A) part number, (B) part description and (C) model number.



ITEM	QTY	PART #	DESCRIPTION
1	1	145107	Connector Box
2	1	14517	Top
3	1	14520	Outer Back
4	1	14518	Left Side
5	1	14514	Base
6	1	14519	Right Side
7	1	145110	Fan Cover
8	1	46750	120 CFM Blower
9	1	95965	Top Grill
10	1	95970	Bottom Grill
11	2	18511	Hinge
(12)	1	C93945	Glass and Seal Assembly
a	69"	99460	1 3/4 White Gasket Tape
b	1	93945	Ceramic Glass

ITEM	QTY	PART #	DESCRIPTION
13a	1	14549A	Arched Glass Holder
13b	1	14595BL	Brass Trim Glass Holder
*	1	95924	Square Brass Trim
14	1	10291	Black Door
14	1	10290	Gold Door
15	1	18500	Door Handle
16	1	95660	Wood Handle
17	1	42375	Fan Speed Control
18	1	18512	Log Retainer
19	1	41255	Speed Control Knob
20	1	20910	Set Screw
21	1	97800	Fan Gasket
22	1	45575	Snap Disc
23	1	14565	Cover Plate
24	2	20499	Screw #8 x 1/2 TEK

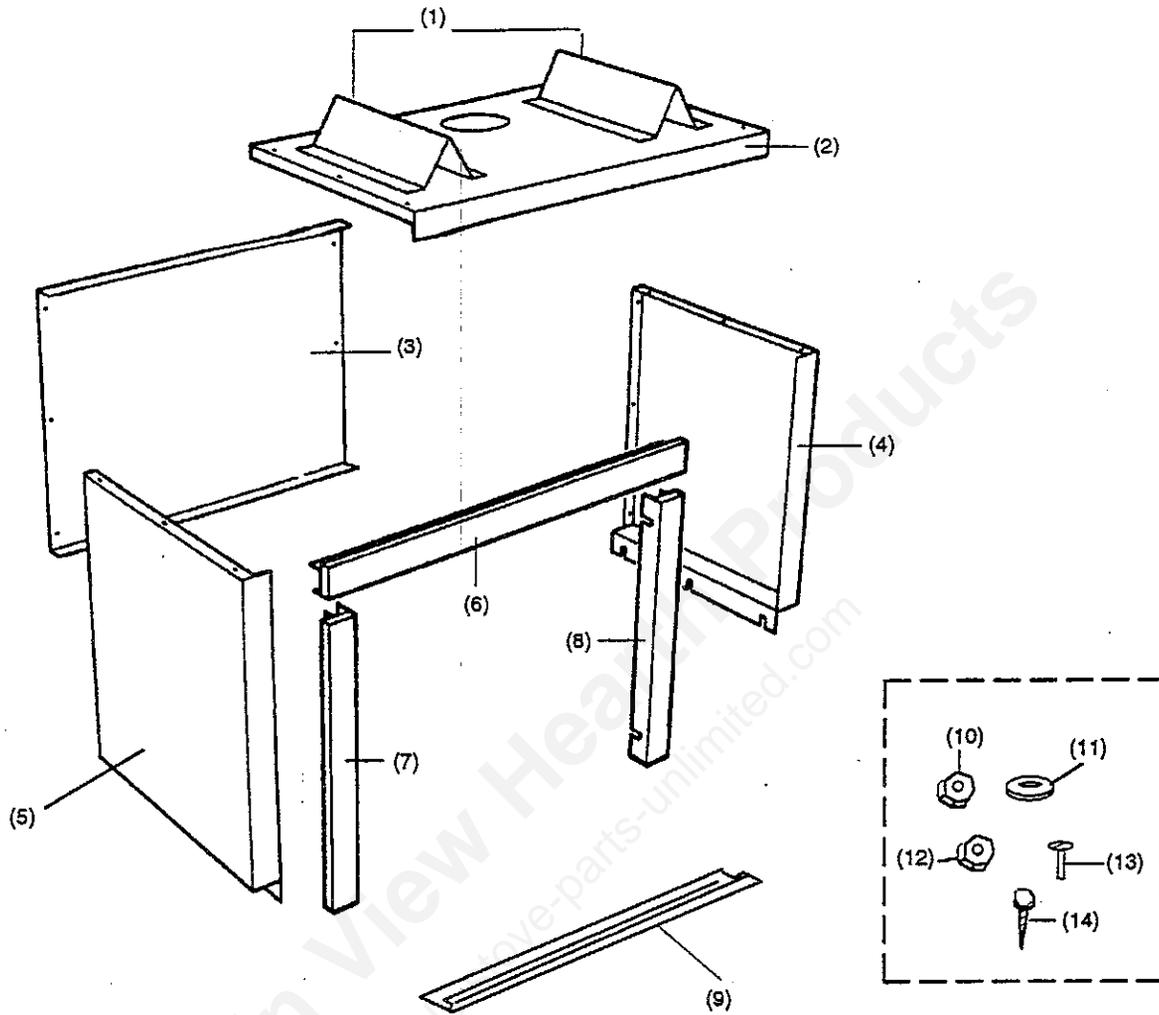
# CLAY-40 PARTS LIST



ITEM	QTY	PART #	DESCRIPTION
1	1	14566	Burner Base
2	1	43810	Piezo Igniter
3	1	43829	NG Valve Kit
4	1	43815	Thermopile
5	1	43805	Pilot Assembly <i>Not. - #43806 LP</i>
	1	43803	NG Pilot Orifice #18
	1	43804	LP Pilot Orifice #10
6	1	95990	Pilot Supply Line
7	1	43800	Gas Valve Only
8	1	14532	Lower Heat Shield
9	1	43808	3/8" to 1/2" Bushing
10	1	42373	On/Off Rocker Switch

ITEM	QTY	PART #	DESCRIPTION
11	1	43841	#41 NG Brass Orifice
	1	43854	#54 LP Brass Orifice
12	1	145108	Burner Assembly
13	1	93167	Top Right Log
14	1	94164	Front Log
15	1	93166	Rear Log
16	1	94165	Top Left Log
17	1	14542	Upper Heat Shield
18	1	45580	250 Deg Spill Switch
19	2	43399	150 Deg Blk Stripe Wire
20	1	14567	Spill Switch Bracket
21	1	40965	3/8" Rubber Grommet
22	3	20499	#8 Tak Screws
23	1	43895	Venturi
24	4	14570	Burner Support
25	1	14575	Pilot Assembly Bracket
26	1	14567	Switch Bracket
27	1	14569	Piezo Bracket

# 40G ZERO CLEARANCE PARTS LIST



ITEM	QTY.	PART #	DESCRIPTION
1	2	14541	Zero Clearance Standoff
2	1	14539	Zero Clearance Top
3	1	14540	Zero Clearance Back
4	1	14538R	Zero Clearance Right Side
5	1	14538L	Zero clearance Left Side
6	1	14537	Zero Clearance Front Panel
7	1	14536L	Zero Clearance Left Panel
8	1	14536R	Zero Clearance Right Panel
9	1	14526B	Zero Clearance Black Trim
10	4	23265	10-24 Hex Nut
11	4	23266	3/16" Flat Washer Black
12	2	20799	10-24 Hex Nut
13	2	27457	10-24 Pan Head Screw
14	33	20499	#8 x 1/2" Tek Screw

# Limited Warranty VENTED GAS HEATER

## Warranty

United States Stove Company warrants to the original purchaser its Circulating Heaters against premature failure of any component due to workmanship, quality, or materials as follows:

### TIME PERIOD:

Burner.....	Ten Years
Combustion Chamber .....	Five Years
Heat Exchangers .....	Five Years
Controls/Valves/Sensors .....	One Year
All Electrical Components (Including Blower) .....	One Year
Radiants and Glass.....	One Year
Cabinet and Trim.....	Three Year

### CLAIM PROCEDURE

Any defects should be reported to United States Stove Company or its dealer and/or distributor giving descriptions and pertinent data, including proof of purchase which will be returned upon request. Providing the heater has been installed and used in accordance with the Owners Manual supplied with the heater, United States Stove Company will either:

- 1) Replace the defective part free of charge
- 2) Replace the heater free of charge
- 3) Where the defect is of a cosmetic (non-functional) nature, United States Stove Company will bear reasonable expense to refurbish the heater, including such items as welding, painting, and incidental labor. "Reasonable" is defined by terms of this warranty as \$25.00/hour with full refund for any purchase of parts.

### NOT COVERED

Specifically not covered under terms of this limited warranty or any other warranty are problems relating to smoking or creosote. Smoking is attributable to inadequate draft due to the design or installation of the flue system or installation of the heater itself. Creosote formation is largely attributable to improper operation of the unit and/or draft as mentioned above. Also, not covered are:

- 1) Removal and re-installation cost
- 2) Service calls to diagnose trouble (unless authorized in writing by the manufacturer, distributor, or dealer).
- 3) Painted surfaces, brass or brass-colored surfaces.
- 4) Damage or defect caused by improper installation, accidents, misuse, abuse or alteration.
- 5) Transportation or shipping costs.

### LIMITATIONS AND EXCLUSIONS

- 1) United States Stove Company shall not be liable for incidental, consequential, special, or contingent damages anyone might suffer as a result of their breach of this written warranty or any implied warranty.
- 2) Should the heater be replaced by United States Stove Company "free of charge", all warranty obligations are thereby met.
- 3) Parts and/or service replacements made under the terms of this warranty are warranted only for the remaining period of the original heater warranty.
- 4) Without specific written exclusionary waivers, no one has authority to add to or vary this limited warranty, or to create for United States Stove Company any further obligation or liability in connection with this heater or any other applicable accessory. Any further warranty implication applicable to this heater or any applicable accessory is limited in duration to the same time period as the original statement in the above schedule.

### YOUR DUTIES

- 1) This heater, including all applicable accessories, must be installed and operated in accordance with local authorities having jurisdiction and the instructions furnished with the Owners Manual.
- 2) You should keep as permanent record your proof of purchase (or canceled check or invoice).

### PROBLEM/RESOLUTION

- 1) As purchaser, you must first contact the dealer and/or distributor from whom you purchased your heater.
- 2) If within a reasonable period of time you do not receive satisfactory service from the distributor and/or dealer, write United States Stove Company, Customer Service Department, including complete details of the problem and/or problems you are experiencing, details of your installation, your proof of purchase, and the heater serial number or test agency code number.

### WARRANTOR

The warrantor of record is United States Stove Company, P.O. Box 151, 111 Industrial Drive, South Pittsburg, Tennessee 37380. Phone number 615-837-2100.

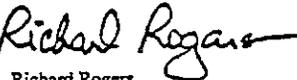
### NOTE

This warranty gives you specific legal rights; and, you may also have other rights which vary from state to state.

### IMPORTANT

Keep this warranty card for future reference.

We congratulate you on your selection of United States Stove Company and its products. As the oldest solid fuel manufacturer in the United States (since 1869), the United States Stove Company is very proud of its products, service, employees, and satisfied customers. As president of United States Stove Company, I would like to hear from you if you are not satisfied with the manner in which you have been handled by our distributor, dealer, representative, customer service department, parts department, or sales department. Please write me at the above address.



Richard Rogers  
President

## OWNERSHIP RECORD

DEALER'S NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DATE OF PURCHASE \_\_\_\_\_

FIREPLACE MODEL NO. \_\_\_\_\_

WARNOCK HERSEY/SERIAL NO. \_\_\_\_\_

NOTES \_\_\_\_\_

\_\_\_\_\_

The Claytons have been safety tested by Warnock Hersey Inc.  
to the following standards: ANSI z21.11.1b and CAN 1-2.1 - Vented Room Heater.

**Registration  
Card must be  
completed and  
mailed within  
10 days of  
purchase  
to validate  
warranty.**

### UNITED STATES STOVE COMPANY . WARRANTY REGISTRATION CARD

PLEASE PRINT CLEARLY

1) Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ Phone ( \_\_\_\_\_ ) \_\_\_\_\_

2) Dealer's Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_ Date of Purchase \_\_\_\_\_

3) Fireplace Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_

4) First learned of Clayton through: \_\_\_\_\_

5) Purchased this furnace because: \_\_\_\_\_

6) Additional Comments: \_\_\_\_\_

Please complete and mail within 10 days of purchase to validate warranty.