



INSTA-FLAME

INSTALLATION AND OPERATING INSTRUCTIONS

VENTED ROOM HEATER* MODEL HE 20 FOR INSTALLATION IN NON-COMBUSTIBLE FIREPLACES

THERMOSTATICALLY
CONTROLLED WALL FURNACE

MODELS HE 20 RN, HE 20 RP

NON-THERMOSTATICALLY
CONTROLLED ROOM HEATERS

MODELS HE 20 MN, HE 20 MP

NOTE: SEE PAGE 3 FOR ZERO-CLEARANCE AND FREESTANDING INSTALLATIONS

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.

FOR YOUR SAFETY

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 your neighbours phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier call the fire department.

FOR YOUR SAFETY

DO NOT STORE OR USE
GASOLINE OR OTHER
FLAMMABLE VAPOURS AND
LIQUIDS IN THE VICINITY OF THIS
OR ANY OTHER APPLIANCE.



CFM INC.

475 Admiral Boulevard
Mississauga, Ontario L5T 2N1

HE 20-0393

* CERTIFIED AS VENTED WALL FURNACE IN U.S.A.

PLEASE KEEP THIS MANUAL FOR FUTURE REFERENCES

IMPORTANT GENERAL INFORMATION

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CAN/CGA - B149 (1 or 2) Installation Codes for Gas Burning Appliances and Equipment For U.S.A. Installations follow local codes and/or the National Current Fuel Gas Code, ANSI Z223.1.

FOR SAFE INSTALLATION AND OPERATION OF YOUR INSTA-FLAME ROOM HEATER PLEASE NOTE THE FOLLOWING:

1. This appliance gives off high temperatures and should be located out of heavy 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 clothing.
3. Children should be carefully supervised when they are in the same room as your 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 again.
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 this area around your appliance clear of combustible materials, gasoline and other flammable vapors and liquids. This appliance should not be used as a drying rack for clothing, nor should Christmas stockings or decorations be hung in the area of it.
9. This appliance needs good ventilation for safe operation. Provisions must be made for the supply of adequate combustion and ventilation air. Refer to CAN/CGA B149 (1 or 2) installation codes or your local building codes. For U.S.A. Installations follow local codes and/or the National Current Fuel Gas Code, ANSI Z223.1.
10. Under no circumstances should any solid fuels (wood, paper, cardboard, coal, etc.) be used in this appliance.
11. When used as a heating appliance, fan must be in automatic ON position.

THIS ROOM HEATER IS FOR USE WITH NATURAL OR PROPANE GAS.

GAS SPECIFICATIONS

MODEL	FUEL	GAS CONTROL	MAX. INPUT	*MIN. OUTPUT
			0-1370 Meters Alt	0-4500 Feet Alt.
HE 20 MN	Natural Gas	Manual	20,000 B.T.U.H.	13,400 B.T.U.H.
HE 20 RN	Natural Gas	Remote On/Off	20,000 B.T.U.H.	13,400 B.T.U.H.
HE 20 MP	Propane Gas	Manual	18,000 B.T.U.H.	12,100 B.T.U.H.
HE 20 RP	Propane Gas	Remote On/Off	18,000 B.T.U.H.	12,100 B.T.U.H.
HE20 VN	Natural Gas Power Vent		20,000 B.T.U.H.	13,400 B.T.U.H.
HE20 VP	Propane Gas Power Vent		18,000 B.T.U.H.	12,100 B.T.U.H.

MANIFOLD PRESSURE- Natural Gas 3.5" W.C.
- Propane Gas 10.5" W.C.

GAS INLET - 3/8" N.P.T.

MINIMUM SUPPLY PRESSURE- Natural Gas 4.5" W.C.
- Propane Gas 11.0" W.C.

MINIMUM INLET SUPPLY PRESSURE
- Natural Gas 7.0" W.C.
- Propane Gas 13.0" W.C.

*FAN OFF

THREE WAYS THE INSTA-FLAME MODEL HE 20 CAN BE INSTALLED

1. Insert - For installation into existing non-combustible fireplaces - minimum size 25" (635mm) wide by 21" (533mm) high by 16" (406mm) deep
Use HE 20 - F6 Decorator Frame for fireplace opening no larger than 35" (890mm) wide by 26" (660mm) high
Use HE 20 - F9 Decorator Frame for opening of 41" (1040mm) wide by 29" (735mm) high.
2. Zero-Clearance Room Heater - For installation in new construction or renovation projects
Using the Insta-Flame HE 20 - ZC Zero-Clearance Kit this room heater may be installed within a combustible frame construction. To finish front decor, use either the HE 20 - F6 or HE 20 - F9 Decorator Frame.
3. Free-Standing Room Heater - For installation within a room as a radiant room heater.
Using the Insta-Flame HE 20 - FS Kit, this fireplace can be converted into a free-standing fireplace heater.

PLEASE NOTE:

The installation and assembly instructions are packaged with the frames and kits. Before beginning, remove glass door and logs from unit. Also check to make sure there are no hidden damages to the unit. Take a minute and plan out gas and venting route. It is best to start with the gas line first followed by the chimney liner.

GLASS/DOOR REMOVAL

1. Remove two bottom fastening screws
2. Lift up and unhook door frame at the top.

NOTE: Before remounting door frame, brass trim must be installed. See installation instruction with F6/F9 Trim Kit.

GLASS CLEANING

It will be necessary to clean the glass periodically. During start-up condensation, which is normal, forms on the inside of the glass and causes dust, lint etc, to cling to the glass surface. Also initial paint curing can deposit a slight film on the glass. It is therefore recommended that initially the glass be cleaned two or three times with non-abrasive common household cleaners and warm water. After that the glass should be cleaned two or three times a season depending on the circumstances.

GAS LINE INSTALLATION

gas pipeline can be brought into the fireplace base on the right or left side. It is most convenient to install it from the right side.

NOTE:

The gas line connection may be made of $\frac{3}{8}$ " rigid pipe, $\frac{3}{8}$ " copper pipe or an approved flex connector. Since some municipalities have additional local codes it is always best to consult your local authorities and the CAN/CGA - B149 (1 or 2) Installation Code. For U.S.A. Installations follow local codes and/or the National Current Fuel Gas Code, ANSI Z223.1.

IMPORTANT:

Always check for gas leaks with a soap and water solution.

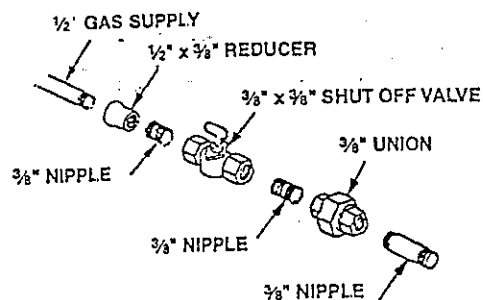
DO NOT USE OPEN FLAME FOR LEAK TESTING.

NOTE:

A $\frac{1}{8}$ " N.P.T. plugged tapping must be installed immediately upstream of the gas control. The plug must be accessible for test gauge connection.

The gas control inlet is $\frac{3}{8}$ " N.P.T. therefore the $\frac{1}{2}$ " rigid gas line must be reduced to $\frac{3}{8}$ " N.P.T. Typical installation layout for rigid pipe is shown following

When using copper or flex connector use only approved fittings. Always provide a union so that the gas line can be easily disconnected for burner or fan servicing. See gas specification for pressure details and ratings (page 2).



VENTING AND INSTALLATION OF MODEL HE 20 – ROOM HEATER INSERT

1. The Insta-Flame HE 20 may be installed and vented into any solid fuel fireplace that has been installed in accordance with the National, Provincial and local building codes and is constructed of non-combustible materials.
2. If allowed by local codes, this appliance may be vented directly into the fireplace cavity, i.e., no direct flue connection or chimney liner needed (See General Venting Information for preferred venting.)
3. Any flue damper must be removed or blocked open to provide a minimum opening of 13 square inches (85 sq. cm.)
4. The chimney must be clean and in good working order and constructed of non-combustible materials.
5. Make sure that all chimney cleanouts are tightly fitting so no air can leak into the chimney.
6. If local codes dictate or if condensation is a problem, an approved flue liner must be installed. To assure top performance, safety and efficiency, it is recommended that all HE 20 Inserts be installed with an approved 4" (102mm) diameter flue liner.
7. Install the appliance without trim frame and make all gas fittings and electrical connections.
8. Install the decorative trim frame. * Make sure that the trim frame is well sealed around unit to improve chimney draw. To increase heat output, and to prevent cold air from entering the room when the unit is not in operation, it is recommended that the insert's body be insulated with fiberglass insulation. It is best to fill the cavity between the insert and the fireplace walls, applicable only when unit is installed with 4" diameter flue liner.

*Please refer to the assembly instructions packaged in each kit.

COMBUSTION AIR

It is very important that an adequate supply of combustion air is available when the heater is being operated. Since most homes of today are tightly sealed and insulated, additional make-up air is usually necessary. It is recommended that an optional outside air kit Model HE 20 AK be installed. Please see installation instruction supplied with each kit.

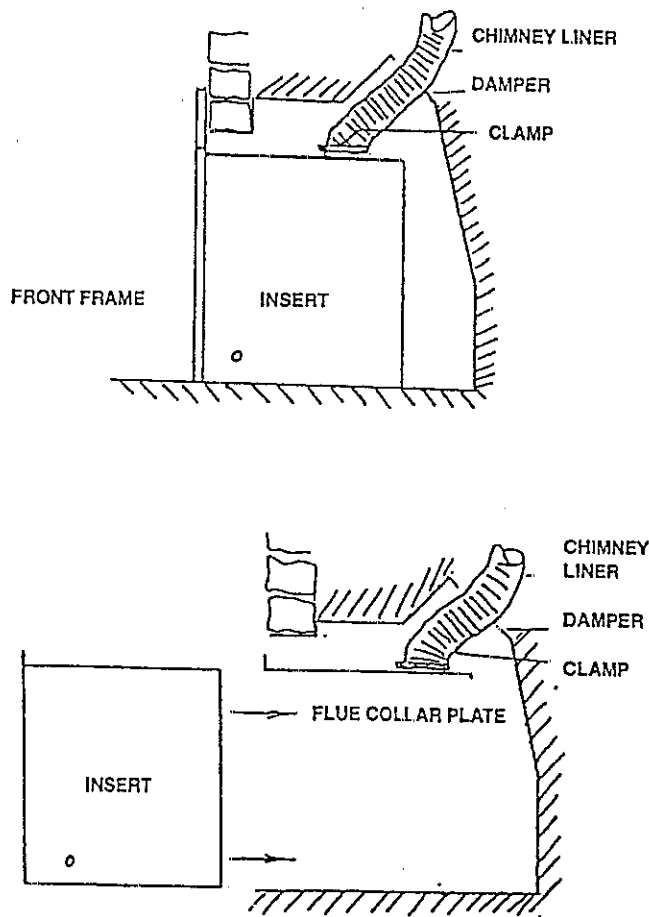
LINER INSTALLATION

Insert liner from top of chimney through the damper opening and attach to 4" flue collar. For best results use 3 sheet metal screws or clamp.

In case the fireplace is only minimum height (20 1/2") and access from the front is not possible, remove the flue collar plate – unscrew and slide out from the back of the unit. Now attach the liner to the flue collar, lift up and simply slide flue collar plate back onto the unit top. It is important that the plate is completely inserted and the front screw is fastened again in order to line up the flue outlet and the liner properly.

NOTE:

If fireplace lintel is wider than 8" (205mm) the height of the fireplace opening must be 25" (635mm) to allow for a 4" x 90° offset elbow to be installed.



INSTALLATION OF REMOTE SWITCH FOR AUTOMATIC GAS VALVE

Your HE 20 insert comes complete with remote switch. This switch is installed within the insert cabinet using a bracket supplied with the heater.

Connect wires to switch and gas control. Fig 2 Use a crimping tool or a pair of pliers to crimp wire to connectors. Be sure they are properly crimped. Check by pulling lightly on the wire to make sure the connections are not loose. A loose connection will result in malfunctioning of the gas control.

For installation of the millivolt switch in the wall near the fireplace use a regular good quality light switch and mount in a receptacle wall box.

For best long term results, switch should not be more than 10 ft (3 M) from the fireplace.

Connect wiring to switch and gas control as per Fig. 2.

Connect wiring to gas valve.

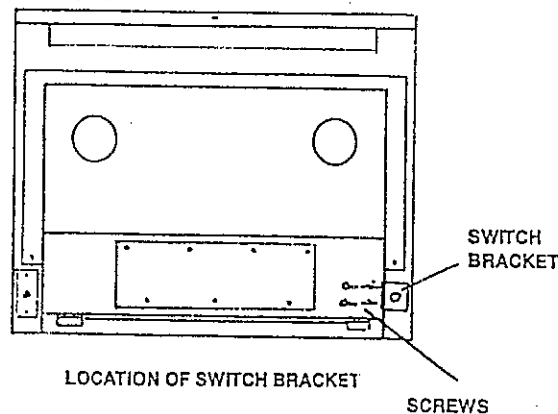


FIG. 1

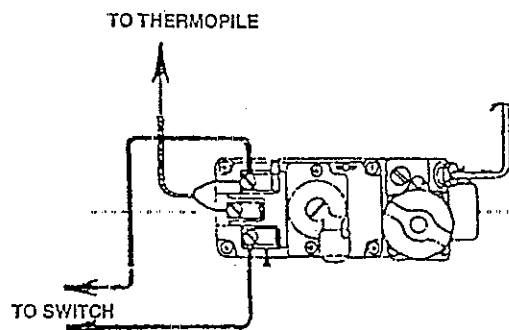


FIG. 2

CAUTION: DO NOT WIRE MILLIVOLT REMOTE WALL SWITCH FOR GAS APPLIANCE TO A 120V POWER SUPPLY.

INSTALLATION OF LOGS

1. Remove glass front. (See Page 3)
2. Remove logs from plastic bag.
 - a) Place rear log onto location pins.
 - b) Place front log onto location pins.
3. Place upper logs. The log with the branch must be placed on the right side.

NOTE: The front log and upper logs have pre-punched holes. Once logs are in position light the burner and observe flame pattern. Flames must not impinge on logs. Now remount glass front.

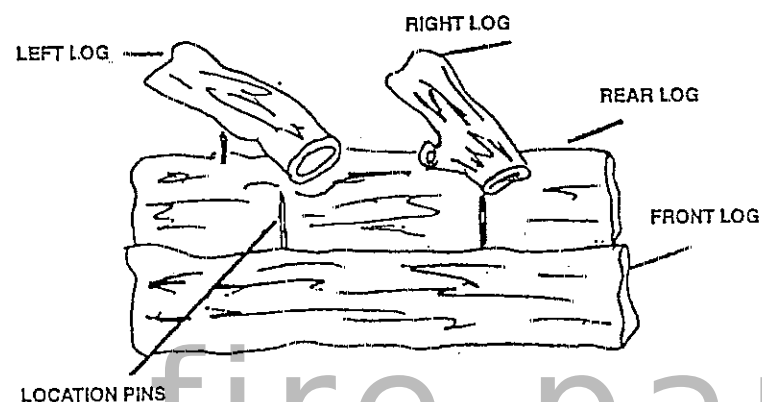
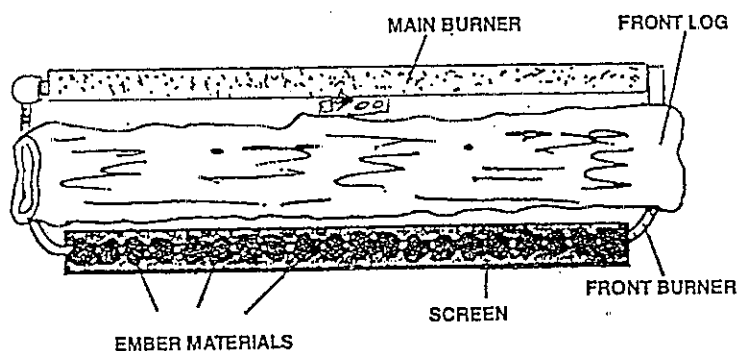


FIG. 1

EMBER MATERIAL PLACEMENT

Separate ember material into small pieces, roughly $\frac{1}{2}$ " diameter, and place onto front burner as shown in Fig. 1. Do not pack down. Leave in fluffy, loose condition for most realistic ember effects. Do not place ember materials onto main burner.



TOP VIEW
FIG. 1

OPERATING AND MAINTENANCE INSTRUCTIONS

1. LIGHTING PROCEDURE:

- a) Partially depress and turn the Valve Knob to the "OFF" position.
- b) Wait sufficient time to allow gas which may have accumulated in the burner compartment to escape. (At least 10 minutes).
- c) Turn Valve Knob to the "PILOT" position.
- d) Depress and hold Valve Knob while lighting Pilot. Allow Pilot to burn one-half minute before releasing Valve Knob.
- e) Turn Valve Knob to "ON" position.
- f) If unit fails to start, repeat Steps "a" through "e".

2. SHUT-DOWN PROCEDURE

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

3. The HE20 Burner/Log Assembly has been engineered and permanently adjusted for proper flame control. DO NOT ALTER GAS ORIFICE.

4. 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.
5. Periodically remove the logs from the gate assembly and vacuum any loose particles from the Grate and Burner area.

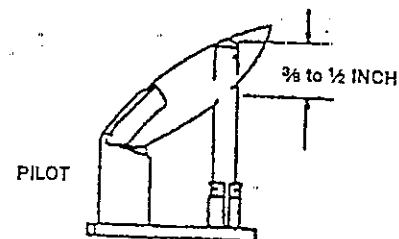
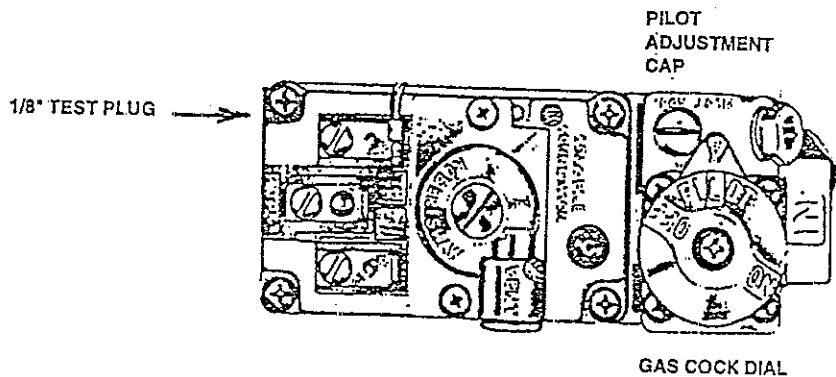
PLEASE NOTE

It is normal for your INSTA-FLAME room heater to give off some odour the first time it is burned. This is due to the curing of the paint and any undetected oil from the manufacturing process.

Please ensure that your room is well ventilated - open all windows.

It is recommended that you burn your room heater for at least six (6) hours the first time you use it without the fan on.

IMPORTANT INFORMATION: PLEASE NOTE THAT IT IS QUITE NORMAL FOR APPLIANCES FABRICATED OF STEEL TO GIVE OFF SOME EXPANSION AND/OR CONTRACTION NOISES DURING THE START UP OR COOL DOWN CYCLE. SIMILAR NOISES ARE FOUND WITH YOUR FURNACE HEAT EXCHANGER OR CAR ENGINE ETC.



PILOT BURNER ADJUSTMENT:

- 1 Remove Pilot Adjustment Cap
- 2 Adjust pilot key to provide properly sized flame.
- 3 Replace Pilot Adjustment Cap.
4. Leak Test.

3. DRAFT-RELIEF OPENING

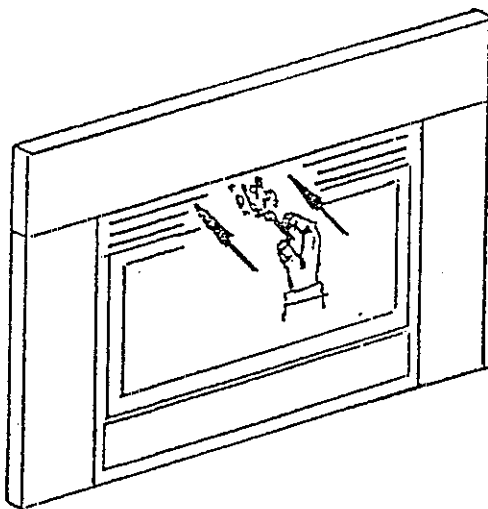
The HE 20 Fireplace is equipped with a draft-relief opening which is located in the upper section of the fireplace, just behind the top louvres. This opening must not be obstructed or altered in any way.

4. TEST CHIMNEY DRAW

A "Chimney Draw" test must be made before the installation is complete.

- a) Close all doors and windows in the home and start exhaust fans in the kitchen and bathroom.
- b) Light unit and operate for 5 minutes.
- c) Hold an ignited match or cigarette in front of the fireplace. See drawing for the location of the draft hood opening.
- d) Check to make sure smoke from the match or cigarette is drawn into the fireplace. If it is not, turn the unit off and check for causes creating the lack of adequate draft.

DO NOT OPERATE THE UNIT.



MAINTENANCE

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

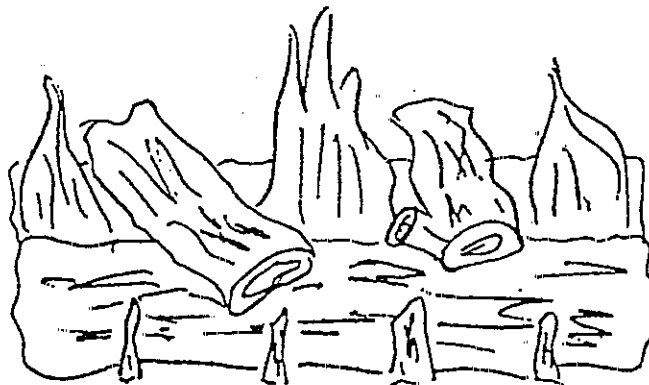
STEPS FOR CLEANING PROCEDURE

NOTE: TAKE CARE NOT TO VACUUM EMBER MATERIALS FROM FRONT BURNER.

- 1) Turn off pilot.
- 2) Remove glass front.
- 3) Vacuum burner compartment, especially around the orifice opening.
- 4) Re-install logs.
- 5) Re-install glass front.
- 6) Ignite pilot - see Operating Section of the Manual.
- 7) Operate the burner and visually check to make sure the flame pattern appears similar to the pictorial illustration shown below.

NOTE:

It is important to periodically perform a visual check of the pilot and the burner flame and to compare them with the pictorial illustration shown below.



OPTIONAL HE 20 FAN KIT

110 volt, 60 Hz .75 Amps

The fan kit which is factory installed includes the following:
temperature sensor, speed control and extension cord
to start and set the fan for automatic operation:

1. Start gas fire – see lighting procedures PAGE 5.
2. Turn on fan speed control.
3. Wait until the unit has warmed up sufficiently to activate the temperature sensor.
4. Once fan starts adjust speed control to desired fan speed. The fan will now automatically come on every time the fireplace is in operation. Should the fan not be needed simply turn off the speed control.

NOTE:

The fan, when installed must be electrically connected and grounded in accordance with local codes or, in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code. **FOR U.S.A. INSTALLATIONS FOLLOW LOCAL CODES AND THE NATIONAL ELECTRICAL CODE, ANSI/NFPA NO 70-1984.**

*If POWER VENTER MODEL PVS-1 and/or fan is used wire electrical system as shown in diagram. (Dotted line)

The fan does not need regular maintenance, however periodic cleaning is definitely required. Check the area near the control door and in front of the fan and wipe or vacuum at least once a month during the heating season.

CAUTION:

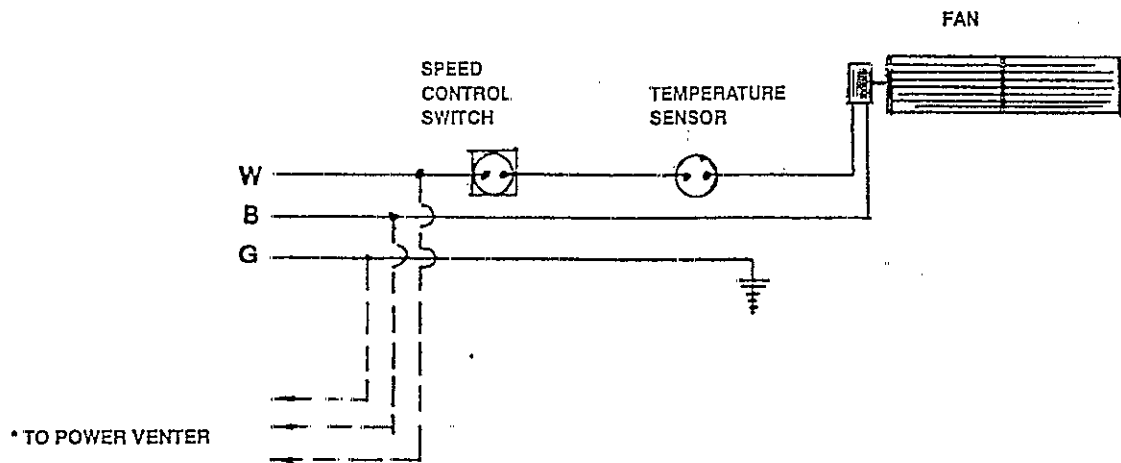
Should this fan require servicing the power supply must be disconnected.

FAN REMOVAL INSTRUCTIONS

1. Turn off gas and electricity
2. Remove the glass front.
3. Remove the logs and burner assembly.
4. Remove the fan cover plate (8 screws).
5. Remove the fan mounting nuts (2 nuts).
6. Slip off the electrical connector at the motor.
7. Lift out the fan.

NOTE:

To re-install, reverse the previous procedure, follow steps 7. backwards to step 1.

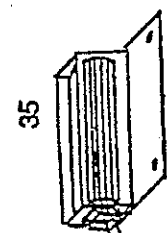
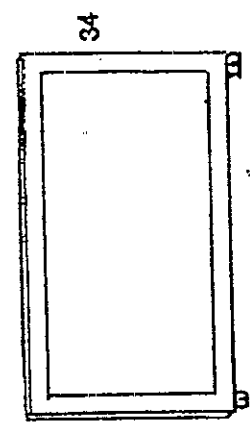
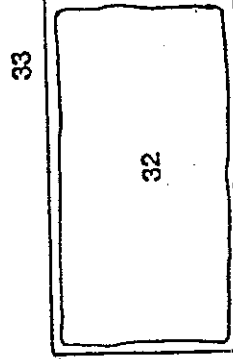
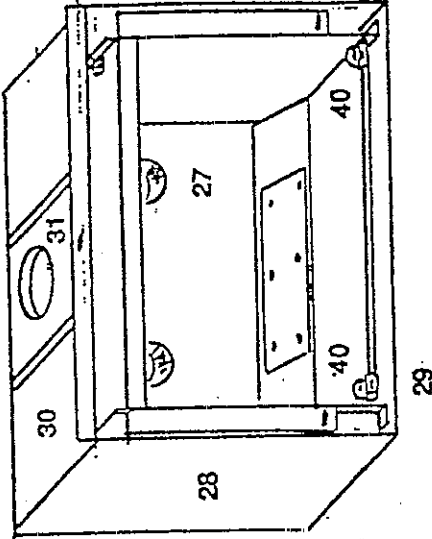
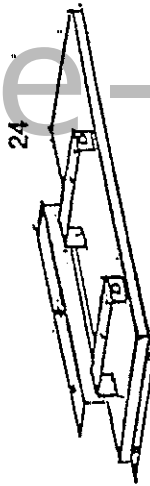
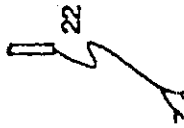
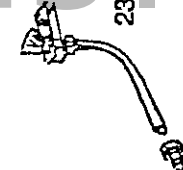
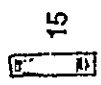
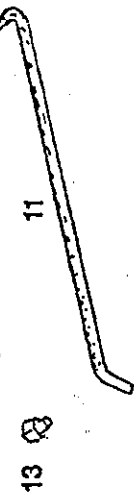
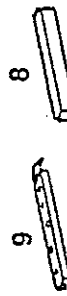
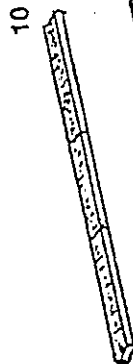


REPAIR PARTS LIST

All repair parts will be available from your local dealer. When ordering, always give the following information:
a) part number b) part description c) model number

KEY	PART #	DESCRIPTION
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1	HE 01	Front Log
2	HE 02	Rear Log
3	HE 03	Left Top Log
4	HE 04	Right Top Log
5	HE 05	Locating Pin
6	HE 06	Burner: HE 20 MN, HE 20 RN, HE 20 VN
7	HE 07	Burner: HE 20 MP, HE 20 RP, HE 20 VP
8	HE 08	Burner Channels
9	HE 09	Perforated Burner Channel
10	HE 10	Perforated Cordierite Tile Set
11	HE 11	Front Burner
12	HE 12	Main Burner Orifice: Nat. Gas, #47, Prop. Gas #57
13	HE 13	Front Burner Orifice: Nat. Gas # 58 , Prop Gas # 75
14	HE 14	3/8" x 1/8" x 90° Elbow
15	HE 15	3/8" x 3" Nipple
16	HE 16	3/8" x 3/8" x 90° Elbow
17	HE 17	3/8" x 5" Nipple
18	HE 18	Gas Control: Robertshaw Controls MN - #7000 MRLC, RN - #7000 MVRLC, VN - #7000 ERLC MP - # 7000 MRLC-LP, RP - #7000 MVRLC-LP, VP - #7000 ERLC-LP
19	HE 19	Gas Control Knob
20	HE 20	Piezo Ignitor - Push Button #Mark 21
21	HE 21	Piezo Ignitor Electrode MBC 14"
22	HE 22	Thermocouple/Thermopile - Robertshaw Controls For RN and RP Models use #TP75-18 Thermopile For MN, MP, VN and VP Models use #T46 S'-16 Thermocouple
23	HE 23	Pilot Supply Line with Nut
24	HE 24	Burner Base Complete
25	HE 25	On/Off Switch - Cabinet Mounted
26	HE 26	On/Off Switch Wire - Cabinet Mounted
27	HE 27	Firebox - Complete with Heat Exchanger
28	HE 28	Outside Body
29	HE 29	Outside Floor
30	HE 30	Outside Top
31	HE 31	Flue Connector
32	HE 32	Ceramic Glass - Robox or Neocerame 574 mm x 289 mm
33	HE 33	Glass Gasket
34	HE 34	Glass Frame
35	HE 35	Optional Fan - Model 1800 or 0018 <i>NEW # 51870</i>
36	HE 36	Speed Control - Trivar Model WM 13 or BM 13
37	HE 37	Speed Control Knob
38	HE 38	Temperature Sensor - Therm-O-Disk Model 22023 - 36T22
39	HE 39	Extension cord #HPN 3/16 wire and 5 ft. long
40	HE 40	Control Door Hinges
41	HE 41	Remote Gas Control Wall Switch
42	HE 42	Remote Wall Switch Wiring
43	HE 43	Bag of Ember Materials



TROUBLE SHOOTING THE GAS CONTROL SYSTEM

NOTE: Before trouble shooting the gas control system, be sure external gas shut off is in the "On" position.

WARNING: BEFORE DOING ANY GAS CONTROL SERVICE WORK, REMOVE THE GLASS FRONT.

PROBLEM	POSSIBLE CAUSES	CORRECTIVE ACTION
1. Spark ignitor will not light pilot.	A. Defective ignitor (Push Button)	Check for spark at electrode and pilot; if no spark and electrode wire is properly connected, replace ignitor.
2. Pilot will not stay lit after carefully following lighting instructions	B. Defective or misaligned electrode at pilot.	Using a match, light pilot. If pilot lights, turn off pilot and push the red button again. If pilot will not light - check gap at electrode and pilot - should be 1/8" to have a strong spark.
	A. Defective pilot generator (thermopile), remote wall switch, or flame switch (where applicable)	1. Check pilot flame, must impinge on thermopile. Clean and/or adjust pilot for maximum flame impingement on thermopile. 2. Be sure wire connections from thermopile at gas valve terminals are tight and thermopile is fully inserted into pilot bracket. 3. One of the wall switch wires may be grounded. Remove wall switch wires from valve terminals if pilot now stays lit, trace wall switch wiring for ground. May be grounded to appliance or gas supply. 4. Check thermopile with millivolt meter. Take reading at thermopile terminals of gas valve. Should read 325 millivolts minimum while holding valve knob depressed in pilot position and wall switch "On". Replace faulty thermopile if reading is below specified minimum.
	B. Defective automatic valve operator.	Turn valve knob to "On", place wall switch to "On" millivolt meter should read greater than 100 M V. If the reading is okay and the burner does not come on, replace the gas valve.
	C. Defective frame switch - (Direct Vent Fireplaces only)	1. Check all connections and try. 2. If not still operating, disconnect lead between flame switch and valve operator. Then disconnect lead to pilot magnet and connect to valve operator terminal (TP, TH). If pilot stays lit fault lies with flame switch. Check that bulb is in proper location. If still not working replace flame switch (see drawing in manual for additional information.)
3. Pilot burning, no gas to burner, Valve knob "On", Wall Switch "On".	A. Wall switch or wires defective.	Check wall switch and wires for proper connections. Jumper wire across terminals at wall switch, if burner comes on, replace defective wall switch. If okay, jumper wires across wall switch wires at valve, if burner comes on, wires are faulty or connections are bad.
	B. Thermopile may not be generating sufficient millivoltage	Re-check Symptom #2
	C. Plugged burner orifice.	Check burner orifice for stoppage and remove.
4. Frequent pilot outage problem.	A. Pilot flame may be too low or blowing (high) causing the pilot safety to drop out.	Clean and/or adjust pilot flame for maximum flame impingement thermopile.



HE20 REPAIR PARTS

Description	PART #
Burner-Front HE20 LP	04444
Burner-Front HE20 NG	04380
Burner-Main W/Ceramic FA/HE20 LP	52838
Burner-Main W/Ceramic FA/HE20 NG	52837
Ceramic-Burner Set FA/HE20/ZC36	50316
Cord-Power 18/3 HPN 6Ft.	51865
Electrode-Igniter R.S	50931
Fan-Qln651800 Motor LHS 120V. 1650 RPM	51870
Frame-Window HE20 S/W S/A	04040
Gasket-Glass FA/HE20 1152mm	52949-2
Glass W/Gasket FA/HE20	52873
Hinge-1 Spring FA/HE2030	51762
Igniter-Piezo Channel	50932
Knob-White	51881
Line-Pilot Supply 355mm	52957-7
Log-Front FA/HE20 Pinned	52747
Log-Left FA/HE20 Pinned	52750
Log-Rear FA/HE20 Pinned	52748
Log-Right FA/HE20 Pinned	52749
Log-Set FA/HE20 Pinned	52676
Orifice-Front Burner #59	51919
Orifice-Front Burner #73	51703
Orifice-Main Burner #47	50995
Orifice-Main Burner #59	51701
Package Of Embers	51915
Package-Wall Switch	50451
Pilot-LP R.S	52741
Pilot-NG R.S	51826
Sensor-Fan Switch	51704
Switch-Fan Speed Control KBWC-13 AC	51738
Switch-Rocker On/Off	50982
Thermocouple R.S	51830
Thermopile 750Mv	51827
Valve-7000 ERLC VN R.S	51831
Valve-7000 ERLC VP R.S. W/LP Reg.	52886
Valve-7000 MRLC MN R.S	51832
Valve-7000 MRLC MP R.S. W/LP Reg.	52885
Valve-7000 MVRLC LP RP R.S	51835
Valve-7000 MVRLC RN R.S	51833
Wiring-Switch Rocker Assy HE20	04698

50803 (4 feet)

FAN # 51870

electroigniter # 50931

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