

If using lava rock, this rail must be installed to keep the lava rock from interfering with the glass gasket or retainers. Disperse the lava rock and spread it on the hearth pan being careful not to cover the burner pan. The lava rock will simulate the look of burnt coals. The lava rock does not change the flame and does not have to be used. It is not necessary to use the entire bag. Save the remaining rock for future use. See Figure 46.



Figure 46 - Placing the Lava Rock

6. PLACING THE VERMICULITE

Sprinkle the vermiculite over the lava rock to simulate an ash-like appearance to the "coals". As with the lava rock, stay clear of the burner pan and it is not necessary to use the entire bag. Save the remaining vermiculite for future use. See Figure 47.



Figure 47 - Placing the Vermiculite

7. PLACING THE FIRE GLOW

Fire Glow (Fire 98) is a flame colorant material that also adds to the realism of the gas appliance flame. After placing the rock wool in the appliance, sprinkle some of the fire glow (Fire 98) on top of the burner. As with the lava rock, vermiculite and rock wool, it is not necessary to use the entire bag. Save the remaining Fire Glow for future use. See Figure 48.



Figure 48
Placing the Fire Glow

8. REPLACING THE GLASS

After cleaning the glass, carefully place the glass frame assembly onto the appliance by positioning the tabs at the bottom of the frame into the slots. Pull the latch releases forward and hook over the glass frame. See Figure 55, page 35.

WARNING!
Never operate this appliance with the door and/or glass removed or not sealed.

WARNING!
Do not operate appliance with the glass removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.

9. REPLACING THE FRONT FACE

Carefully lift the front face into position and slide down, engaging the side tabs into the slots on the appliance face.

CAUTION:
The logs can get very hot - handle only when they are cool.

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J. DETERMINING THE IGNITION TYPE

To determine whether your appliance is an electronic ignition or a standing pilot ignition, open the control access panel to examine the wiring system. If your system has a red ignitor button (as shown in Figure 49), you own a standing pilot ignition appliance. If no red ignitor button is present, you have an electronic ignition appliance.

You may also check the rating label located on the inside of the control access panel to determine ignition type.

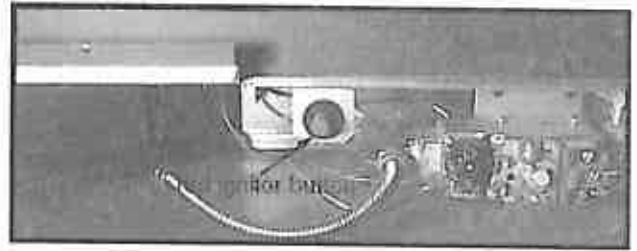


Figure 49
Typical Standing Pilot Ignition

K. LIGHTING INSTRUCTIONS

1. ELECTRONIC APPLIANCES

FOR YOUR SAFETY READ BEFORE OPERATING

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 does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE OPERATING 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 supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to open the shutoff valve. Never use tools. If the shutoff valve will not move 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 the 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 wall switch to the "OFF" position.
3. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light burner by hand.
4. Wait five minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go on to the next step.
5. To turn on burner, turn on the wall switch.
6. If the appliance will not operate, follow the instructions "TO TURN OFF GAS TO APPLIANCE" and call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Turn off the wall switch or set the thermostat to the lowest setting.
2. Turn the manual shutoff valve to the "OFF" position.
3. Close the control access panel.



STANDING PILOT APPLIANCES

**FOR YOUR SAFETY
READ BEFORE LIGHTING**

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 gas appliance has a manual ignition device that lights 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

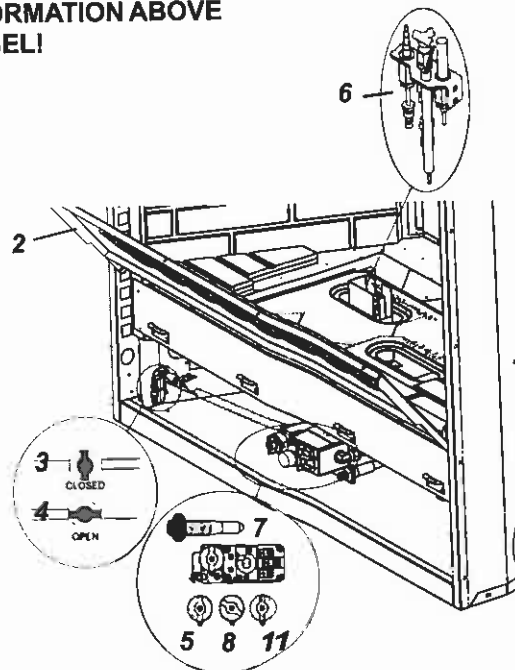
WHAT TO DO IF YOU SMELL GAS

- 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 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 to light the pilot. Never use 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 the 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

**STOP! READ THE SAFETY INFORMATION ABOVE
ON THIS LABEL!**

1. Turn wall switch to the "OFF" position or set thermostat to lowest setting.
2. Open the control access panel.
3. Turn gas line to "CLOSED". Wait 5 minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
4. Turn gas line to "OPEN".
5. Turn pilot knob clockwise to "OFF" (knob may have to be depressed to pass the "PILOT" position).
6. Locate pilot assembly inside the appliance.
7. Locate red ignitor button.
8. Turn pilot knob to "PILOT" and push in.
9. Continue to hold in pilot knob and push the red ignitor button 12-15 times until small blue pilot flame appears.
10. Continue to hold in pilot knob for approximately one minute. Pilot should remain lit. If pilot goes out, wait 5 minutes and repeat Steps 4-9.
11. Release and turn the knob counterclockwise to "ON". To light main burner, turn wall switch to "ON". Do not light by hand.
12. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



TO TURN OFF GAS TO APPLIANCE

1. Turn off the wall switch or set the thermostat to the lowest setting.
2. Open the control access panel.
3. Turn the gas line to the "CLOSED" position. Do not force.
4. Close the control access panel.

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L. SEASONAL CHECKLIST

WARNING!

Children and adults should be alerted to the hazards of high surface temperatures 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 this appliance must be replaced prior to operating this appliance.

Clothing or other flammable material should not be placed on or near the appliance.

Note: 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.

BEFORE OPERATING THIS APPLIANCE HAVE A QUALIFIED TECHNICIAN:

- A. Review proper placement of logs, rock wool, lava rock and vermiculite.
- B. Check the wiring.
- C. Check the air shutter adjustment.
- D. Ensure that there are no gas leaks.
- E. Ensure that the glass is sealed and in the proper position.
- F. Ensure that the flow of combustion and ventilation air is not obstructed.

WARNING!

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

1. ELECTRONIC IGNITION OPERATION

- a. **Lighting the Appliance During Regular Use**
Turn the wall switch to "ON".
- b. **Shutdown During Regular Use**
Turn the wall switch to "OFF".
- c. **To shut down the appliance for a long period of time:**
 - 1) Turn all wall switches to "OFF".
 - 2) Turn the gas line to "CLOSED".
 - 3) To relight the appliance, see page 30.

3. FUEL CONVERSION INSTRUCTIONS

- a. Do not burn wood or other material in the appliance.
- b. Natural or propane gas conversions necessary to meet the application need to be made by a qualified technician using Hearth & Home Technologies Inc. specified and approved parts.
- c. In the event your appliance must be converted to use propane, you must use a CKMAX6P Conversion Kit. To convert to use natural gas, you must use a CKMAX6N Conversion Kit.

2. STANDING PILOT OPERATION

- a. Hearth & Home Technologies Inc. recommends you leave the pilot on year round.
- b. **Lighting the Appliance during Regular Use**
Turn the wall switch to "ON".
- c. **Shutdown During Regular Use**
Turn the wall switch to "OFF".
- d. **If you decide to shut down the appliance for a long period of time:**
 - 1) Turn all wall switches to "OFF".
 - 2) Turn pilot knob on valve to "OFF".
 - 3) Turn the gas line to "CLOSED".
 - 4) To relight the pilot and appliance, see page 31.

WARNING!

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.

M. START-UP ISSUES

Issues:	Possible Causes and Solutions:
1. Condensation on the glass.	1. This is a result of gas combustion and temperature variations. As the appliance warms up, this condensation should disappear.
2. Blue flames.	2. This is a result of normal operation and the flames will begin to yellow as the appliance is allowed to burn.
3. Odor from the appliance.	3. When first operated, this appliance may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing.
4. Film on the glass.	4. This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 4-6 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner such as Brasso® may be necessary.

WARNING!

Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance. Keep any flammable liquids a safe distance from the appliance.

N. MAINTENANCE INSTRUCTIONS

1. CLEANING THE BURNER AND CONTROL COMPARTMENT

Keep the burner and control compartment clean by brushing and vacuuming at least once a year. Always turn off the wall switch (or remote control) and gas valve before cleaning.

2. CHECKING THE VENTING SYSTEM

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.

3. CHECKING FLAME PATTERNS

Check the flame pattern of the burner periodically, making sure the flames are steady, not lifting or floating. The flame color should be blue with yellow tips. See Figure 50.

The thermopile and thermocouple (standing pilot) tips should be covered with flame. See Figure 51. If the appliance has an electronic ignition, the ignitor rod should be covered with the burner flame. See Figures 52 and 53.

If the vent configuration is installed incorrectly, the vent may cause the flames inside the appliance to lift or "ghost" - a dangerous situation. Inspect the flames after installation to ensure proper performance. See Figure 50. If the vent configuration is correct, yet the flames are lifting or ghosting, shut off gas to the appliance and contact the dealer.

To prevent the possibility of soot buildup, we have provided your appliance with an adjustable air shutter. Your air shutter is provided in the "CLOSED" position for natural gas and in the "OPEN" position for propane. It takes 16 full turns (360°) to move the air shutter from fully open to fully closed. In the event soot is accumulating in your appliance, the air shutter should be opened farther. This can be done by opening the control access panel, finding the air shutter handle located on the bottom of the firebox. When the air shutter handle is turned all of the way DOWN (clockwise), the air shutter is fully closed. When the air shutter handle is turned all of the way UP (counterclockwise), the air shutter is fully open. See Figure 54.

Note: If the air shutter is open all the way and the flames remain sooty, shut off gas to the appliance and contact a qualified gas service technician.

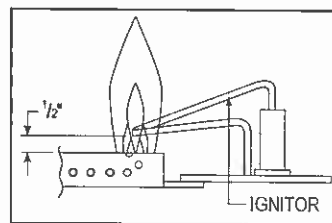


Figure 52

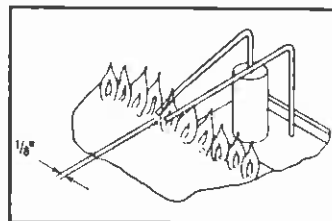


Figure 53

Note: The look of the flames and embers may differ based on the type of fuel and venting assembly that is used.

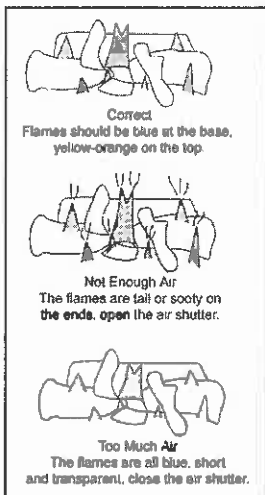


Figure 50 - Flame Patterns

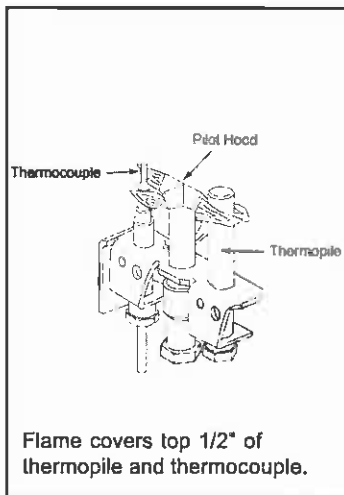


Figure 51 Standing Pilot



Figure 54 Air Shutter Fixed Wing Bolt Location

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CLEANING THE GLASS

The glass panel and its gasket must be inspected at least once a year. See Figure 55 for glass panel removal instructions.

- Carefully inspect the fixed glass door gasket to make certain it is sealing properly. Check for worn spots and/or where the gasket may have come loose from the frame. Replace the gasket if it is worn or has come loose from the frame.
- Clean the glass (only when cool!) with a nonabrasive cleaner such as Brasso®.
- Never operate this appliance without the glass properly secured in place or if the glass is broken.
- In the event of glass breakage, carefully remove the glass frame. This will allow the removal of all glass fragments and sheet metal edge protection strips. Vacuum all remaining glass pieces with a shop vac. **Do not vacuum if the pieces are hot!** Replace the glass only with a Heatilator glass panel assembly ordered through your local distributor. Never use substitute material. Only ceramic glass may be used on this appliance.

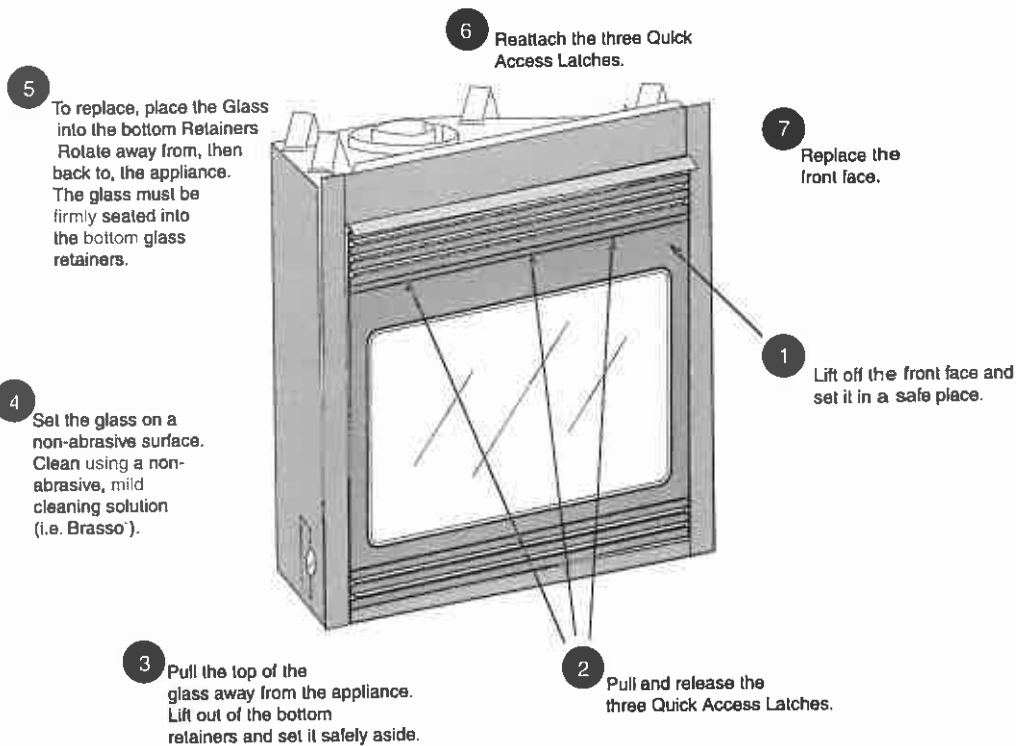


Figure 55 - Glass Cleaning

5. LOG REMOVAL/REPLACEMENT

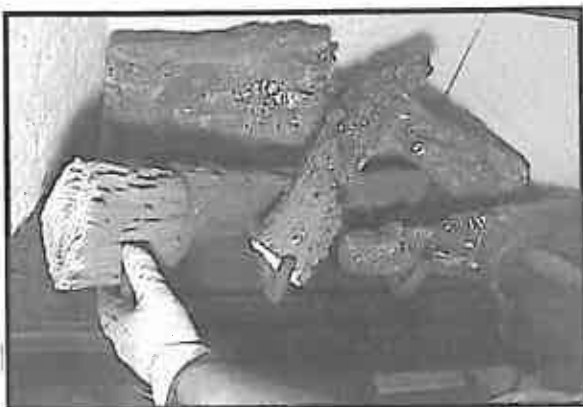


Figure 56 - Log Removal

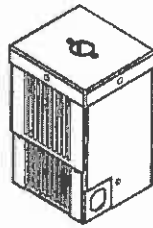
a. Removal

If removal of the logs becomes necessary, remove the two screws (one at each end of the grate). Grasp the grate and lift the logs up off the burner and pull the entire assembly out of the appliance. See Figure 56.

b. Replacement

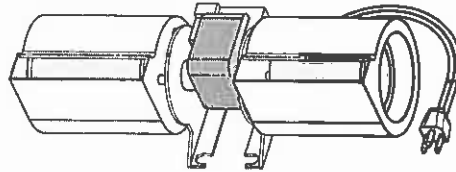
To replace the logs, grasp the grate as shown. Lower the log set onto the burner pan. Situate the logs by placing the tabs (from which the two screws were previously removed) over the matching holes in the hearth floor. Reinstall the two screws (one on each side of the grate) to secure in place.

O. OPTIONAL COMPONENTS

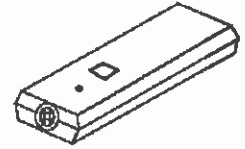


BC10
Fan Motor Rheostat

- BC11**
Automatic Variable Blower Control
- BC12**
Variable Fan Control with Thermostat



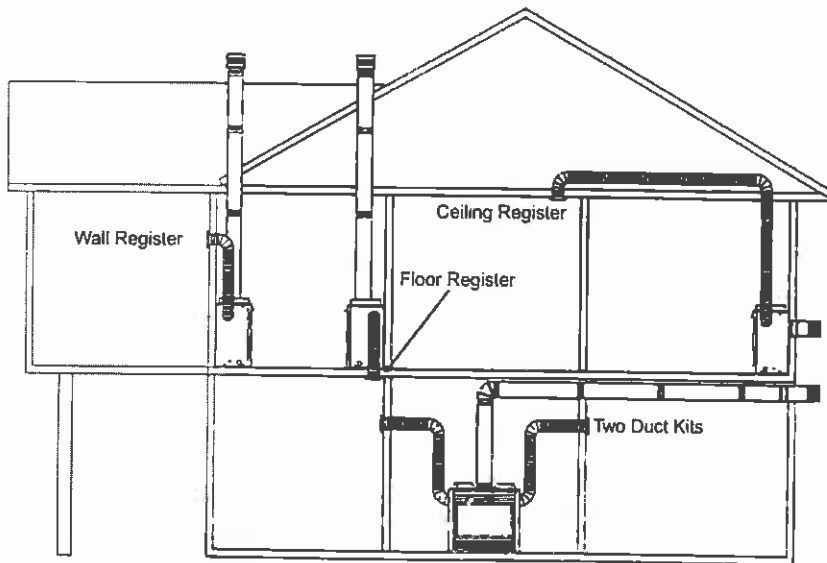
FK160
Fan Kit



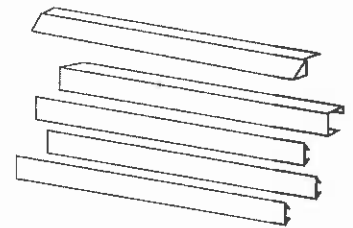
RC-SMART-HTL
Remote Control

- RC-ELEC-HTL**
Remote Control
(Electronic Ignition)
- RC-BATT-HTL**
Battery-operated Remote
Control (Standing Pilot)
- RCT-MLT-HTL**
Multi-functional Remote
- SMART-STAT-HTL**
Remote Control with
Thermostat Control
- SMART-BATT-HTL**
Battery-operated Remote
Control with Thermostat
Control

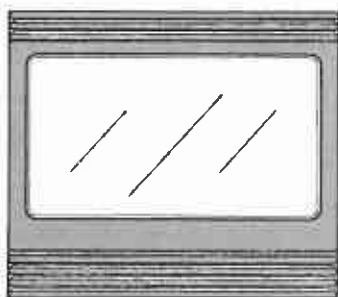
HTZ-2000 Heat Transfer System
Possible Air Duct Runs/Locations



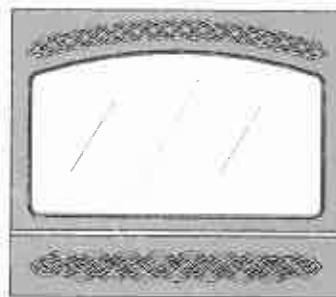
HTZ-2000
Heat Transfer System (Fan with cover and 20' Flex)



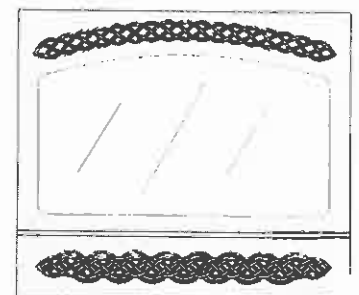
TKN63B
Trim Kit



FFMAX1
Grille Front Face - Black



FFMAX2
Filigree Front Face - Black



FFMAX2G
Filigree Front Face - Gold

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P. REPLACEMENT PARTS

Replacement parts are available from your Dealer/Distributor.

Figure A
Log/Grate Assembly

ITEM	PART #	DESCRIPTION	QTY.
A	30460	Log/Grate Assembly	1
1a	31479	Front Right Log	1
2a	31478	Front Left Log	1
3a	31480	Top Log	1
4a	31481	Rear Log - Right	1
5a	31482	Back Log	1
	Fire 98	Fire Glow	1
	14333	Rock Wool	1
	28911	Lava Rock	1
	28746	Vermiculite	1

Figure B
Hoods

PART #	DESCRIPTION	QTY.
30540	Hood - Black	1
23014	Hood - Brass	1

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REPLACEMENT PARTS (con't)

ITEM	PART #	DESCRIPTION
1c	29283	Glass Assembly
	30525	Refractory - Back (not shown)
	31055	Refractory - Side (Right) (not shown)
	31054	Refractory - Side (Left) (not shown)
	31053	Refractory - Top (not shown)
	31484	Refractory Support (not shown)

ITEM	PART #	DESCRIPTION
2c	27600	Door Retainer Clip
3c	27895	Quick Access Latch Assembly
4c	28229	Latch Bracket
5c	30459	Hearth Pan
	31056	Refractory Floor (not shown)
	31361	Refractory Cover (not shown)

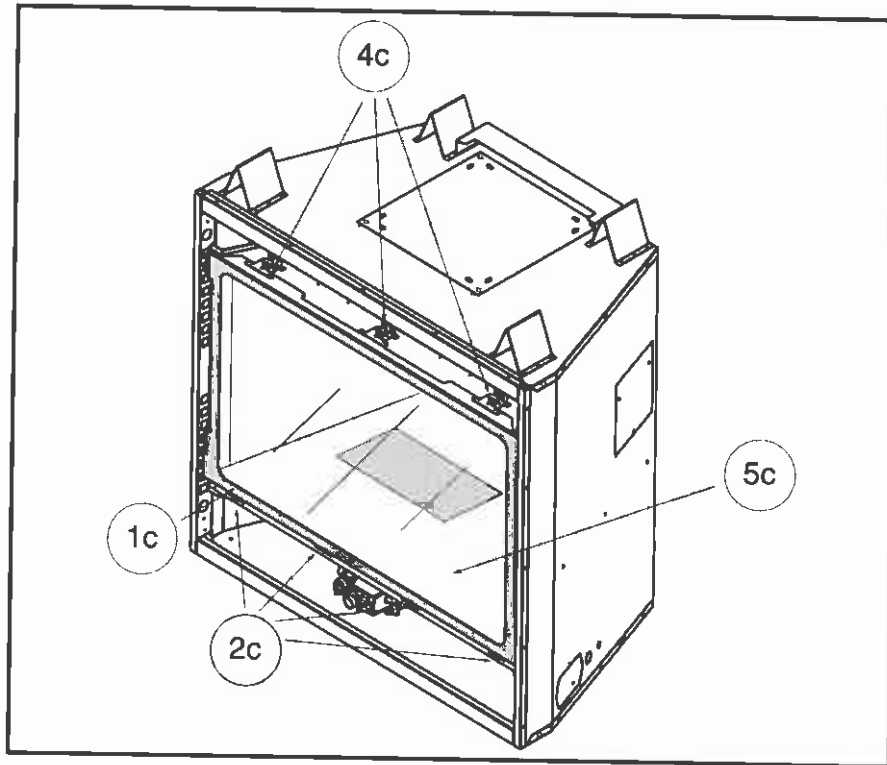
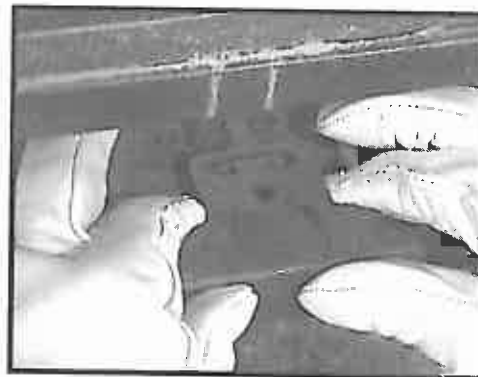


Figure C
Replacement Parts Identification



ITEM 3c
Quick Access Latch Assembly - Close-up

Visit our Website at: www.heatilator.com for a dealer/distributor near you!

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Gas Appliance (Fireplace) Limited Lifetime Warranty

HEARTH & HOME TECHNOLOGIES ("HHT") extends the following warranty for HEATILATOR® gas appliances installed in the United States of America or Canada (the "Appliance"). Dealers and employees of HHT have no authority to make any warranty or authorize any remedies in addition to or inconsistent with the terms of this warranty.

Limited Lifetime Warranty

HHT warrants the Appliance for component failure due to a manufacturing defect of any of the following components: combustion chamber, burner pan, and logs. The Limited Lifetime Warranty specified above is subject to the conditions, exclusions and limitations listed below, is for the period the Appliance is owned by the original homeowner only, and is nontransferable.

1 Year Limited Warranty

HHT warrants the Appliance to be free from failure of any of the following components for a period of one year after installation: valve, flexible gas line connector, glass panel, fan, direct vent chimney components, factory paint, gasket, piezo ignitor, thermopile, thermocouple, junction box, pilot assembly, shutoff valve, high limit switch, refractory liners, transformer, and control box. If the Heatilator Appliance is found to be defective in either material or workmanship within one year of the date of original installation, HHT will provide replacement parts at no charge and pay reasonable labor and freight costs, and is for the period of one year following the date of original installation of the Appliance.

Conditions, Exclusions, & Limitations of Liability

- A. Both the Limited Lifetime and 1 Year Limited Warranties supplied by HHT apply only while the Appliance is in its location of original installation. HHT's obligation under this warranty does not extend to damages resulting from (1) installation, operation or maintenance of the Appliance not in accordance with the Installation Instructions, Operating Instructions, and the Listing Agent Identification Label furnished with the Appliance; (2) installation which does not comply with local building codes; (3) shipping, improper handling, improper operation, abuse, misuse, accident or unworkmanlike repairs; (4) environmental conditions, inadequate ventilation or drafting caused by tight sealing construction of the structure, air handling devices such as exhaust fans or forced air furnaces, or other causes; (5) use of fuels other than those specified in the Operating Instructions; (6) installation or use of components not supplied with the Appliance or any other components not expressly authorized and approved by HHT; and/or (7) modification of the Appliance not expressly authorized and approved by HHT in writing. This warranty is limited to only the component parts manufactured or supplied by HHT.
- B. HHT's liability under both the Limited Lifetime Warranty and the 1 Year Limited Warranty is limited to the replacement and repair of defective components or workmanship during the applicable period. HHT may fully discharge all of its obligations under such warranties by repairing the defective component(s) or at HHT's discretion, providing replacement parts at no charge and paying reasonable labor and freight costs.
- C. **EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE WARRANTY SPECIFIED ABOVE.**
- D. Some states do not allow exclusions or limitations of incidental or consequential damages, so those limitations may not apply to you. This warranty gives you specific rights; you may also have other rights which vary from state to state.

How to Obtain Service

To obtain service under this warranty you must:

1. Send written notice of the claimed condition to Heatilator Technical Service Department, Hearth & Home Technologies, 1915 W. Saunders Street, Mt. Pleasant, Iowa 52641-1563. You may also register your claim online at www.heatilator.com/contact.asp.
2. Provide proof of purchase, model number, serial number, and manufacturing date code to HHT.
3. Provide HHT reasonable opportunity to investigate the claim, including reasonable opportunity to inspect the Appliance prior to any repair or replacement work and before the Appliance or any component of the Appliance has been removed from the place of original installation.
4. Obtain HHT's consent to any warranty work before the work is done.

ADDITIONAL INFORMATION. If you would like information on current HEATILATOR products or want to locate a dealer in your area, call 1-800-843-2848.

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