

H. IGNITION

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 18, you own a standing pilot ignition appliance. If no red ignitor button is present, you own 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 18
Standing Pilot Ignition

I. LIGHTING INSTRUCTIONS

1. ELECTRONIC IGNITION 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 push in and move the gas control lever or turn the gas control knob. Never use tools, If the lever or knob 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 this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above on this label.
2. Turn 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 all electric power to this appliance.
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.
2. Push gas control lever in and move to the "OFF" position or push gas control lever to the "OFF" position. Do not force.
3. Close the control access panel.

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2. STANDING PILOT IGNITION APPLIANCES

FOR YOUR SAFETY READ BEFORE LIGHTING THE STANDING PILOT

WARNING!

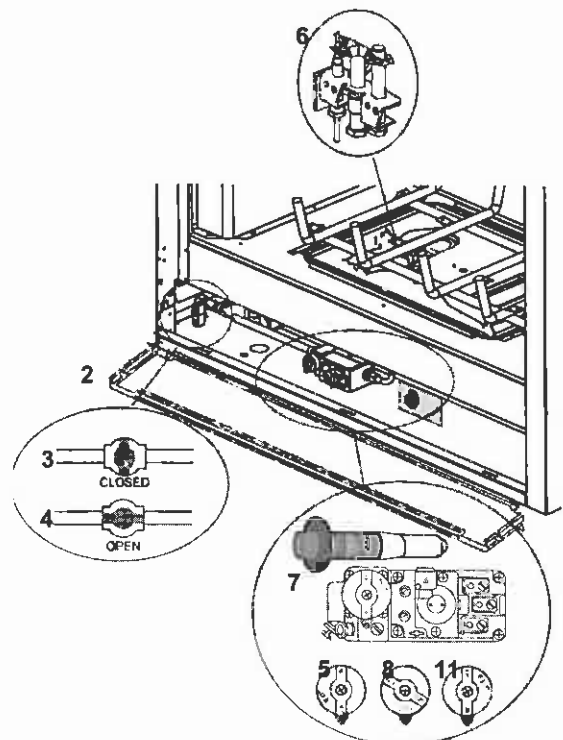
If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance 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 knob. 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 this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

STOP! Read the safety information above on this label!

1. Turn off wall switch.
2. Open 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 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 the main burner, turn the 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 THE GAS TO THE APPLIANCE

1. Turn off the wall switch.
2. Open the control access panel.
3. Turn the gas line to CLOSED position. Do not force.
4. Close the control access panel.

Note: To light main burner, turn the Wall Switch to "ON". Do not light by hand.

J. 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 an appliance must be replaced prior to operating this appliance. Clothing or other flammable material should not be placed on or near the appliance.

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:

1. Review proper placement of logs, rock wool and vermiculite.
2. Check wiring.
3. Check the air shutter adjustment.
4. Ensure there are no gas leaks.
5. Ensure the glass is sealed and in proper position.
6. Ensure the flow of combustion and ventilation air is not obstructed.

WARNING!

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

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.

1. STANDING PILOT OPERATION

Hearth & Home Technologies recommends you leave the pilot on year round.

- 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. **Shut Down 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 manual shutoff valve to "CLOSED"
 - 4) To relight the pilot and appliance, see page 16.

2. 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. **Shut Down Appliance for a Long Period of Time**
 - 1) Turn all wall switches to "OFF"
 - 2) Turn the manual shutoff valve to "CLOSED"
 - 3) To relight the appliance, see page 15.

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3. FUEL

Do not burn wood or other material in this appliance.

Natural or propane gas fuel conversions necessary to meet the application need to be made by a qualified technician using Hearth Technologies Inc. specified and approved parts.

In the event your appliance must be converted to use propane, you must use a CKVP Conversion Kit. To convert to use natural gas, you must use a CKVN Conversion Kit.

4. OPERATING THE OUTSIDE AIR KIT

The outside air kit is supplied as an optional feature with this appliance. The outside air kit helps to decrease the amount of room air taken, by utilizing outside air for combustion. It is strongly recommended that it be installed.

To operate the outside air kit, before starting the appliance, open the control access panel. Locate the outside air door handle. See Figure 19. Rotate the handle to the "OPEN" position. When through burning the appliance, open the control access panel, grasp the handle and rotate to the "CLOSED" position.

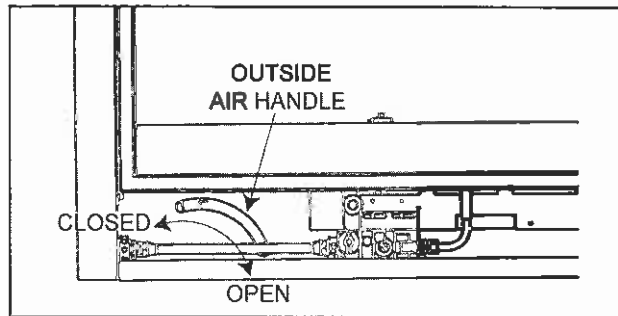


Figure 19 - Operating the AK14 Outside Air Kit

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.

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.

K. 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.

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L. 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 VENT SYSTEM

Test the venting system periodically to ensure proper operation. Remove the hood (grasp hood and pull out) and proceed with the directions in Step 4, page 9.

3. CHECKING FLAME PATTERNS

Check the flame 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 20. The ignitor (electronic) or thermopile and thermocouple (standing pilot) tips should be covered with flame. See Figures 21 through 23.

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 20. 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, 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. 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 and locating the handle located on the bottom of the firebox. When the handle is turned out, the air shutter is fully closed. When the handle is turned in, the air shutter is fully open.

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

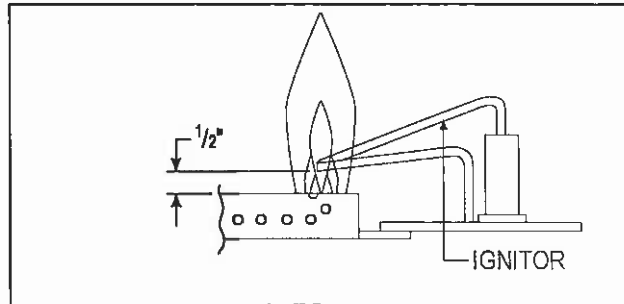


Figure 21 - Electronic Ignition

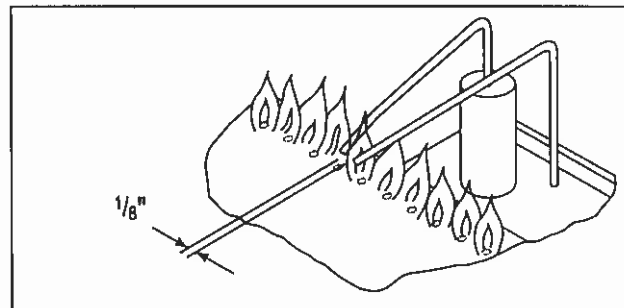


Figure 22 - Electronic Ignition

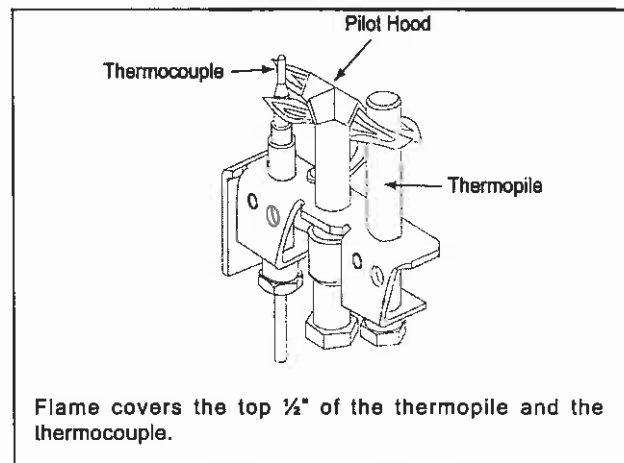


Figure 23 - Standing Pilot



Correct

Flames should be blue at the base, yellow-orange on the top.



Not Enough Air

If the flames are tall or sooty on the ends, open the air shutter.



Too Much Air

If the flames are all blue, short and transparent, close the air shutter.

Figure 20 - Flame Patterns

4. VENTING SYSTEM INSPECTION

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.

5. CLEANING THE GLASS

See Figure 24. 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 PIECES ARE HOT!**

Replace glass with a Heatilator glass panel assembly only, ordered through your local distributor. Never use substitute material.

Safety Note:
Handle glass with care to avoid striking, scratching or slamming shut. **NEVER** clean glass when hot. Keep children and pets a safe distance away.

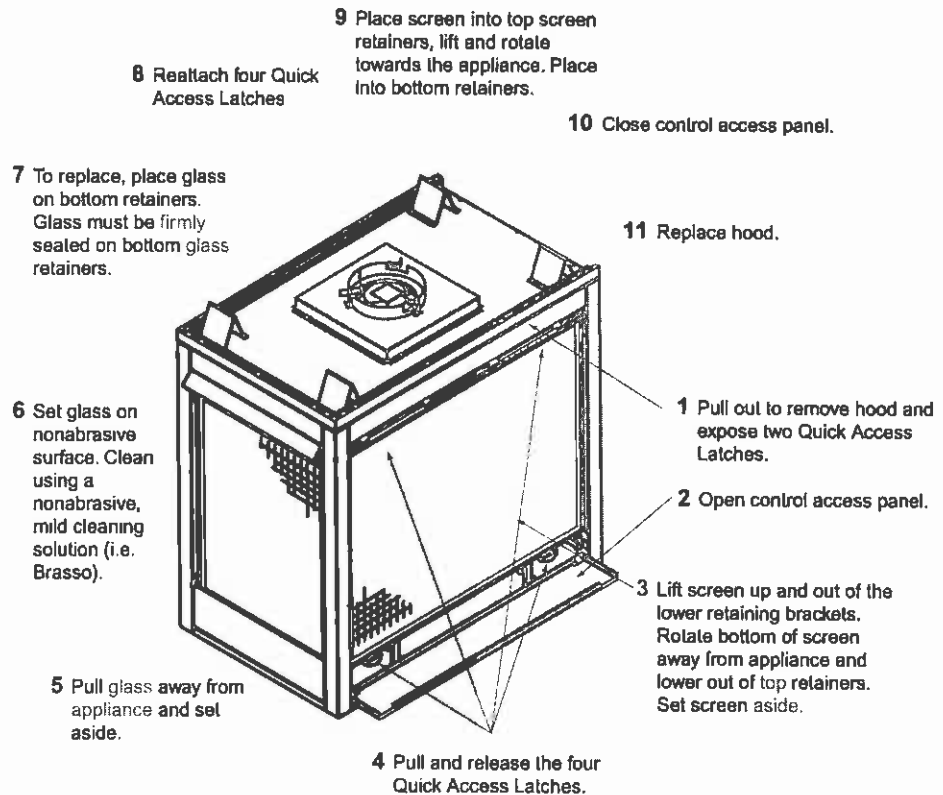


Figure 24 - Glass Cleaning

6. LOG REMOVAL/REPLACEMENT

If removal of the logs becomes necessary, remove the four screws at each end of the grate. Grasp the grate as shown. Pull the logs up and off the burner. See Figure 25.

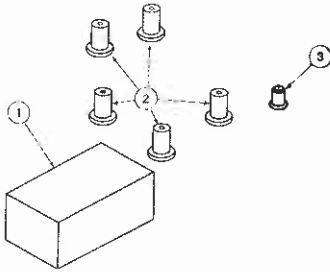
To replace the logs, grasp the grate as shown. Lower the log set onto the burner pan, making sure the grate bars drop into holes provided. Attach the four screws at the end of the grate.



Figure 25 - Log Removal

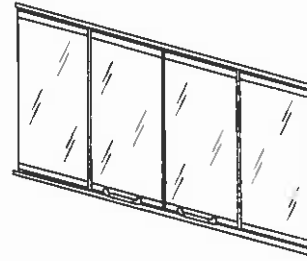
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M. OPTIONAL COMPONENTS



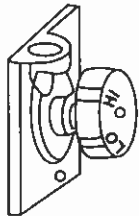
CKVP
Natural Gas to Propane
Standing Pilot Conversion Kit

CKVN
Propane to Natural Gas
Standing Pilot Conversion Kit



DF370B
Fixed End Panel - Brass

DF318B
Fixed End Panel - Stainless Steel

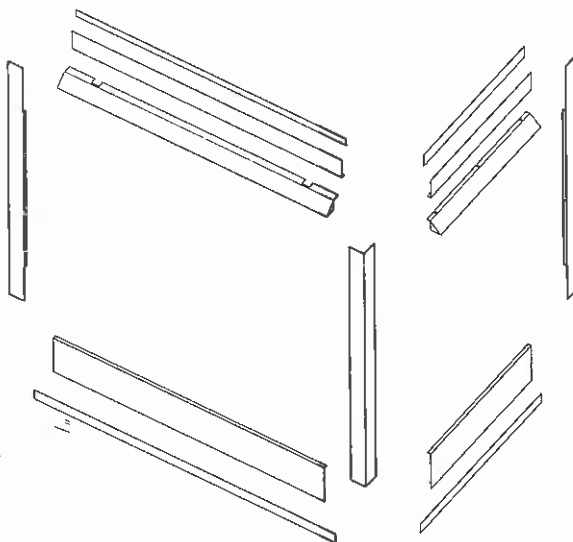


MF1
Adjustable Flame Head
(Natural Gas Standing Pilot)

MF2
Adjustable Flame Head
(Propane Gas Standing Pilot)

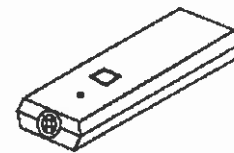


WSK-MLT-HTL
Multi-Function Wall Switch



TKS3B, TKFL3B, TKIS3B, TKD5B
Brass Trim Kits

TKD5S
Stainless Steel Trim 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-Function
Remote Control

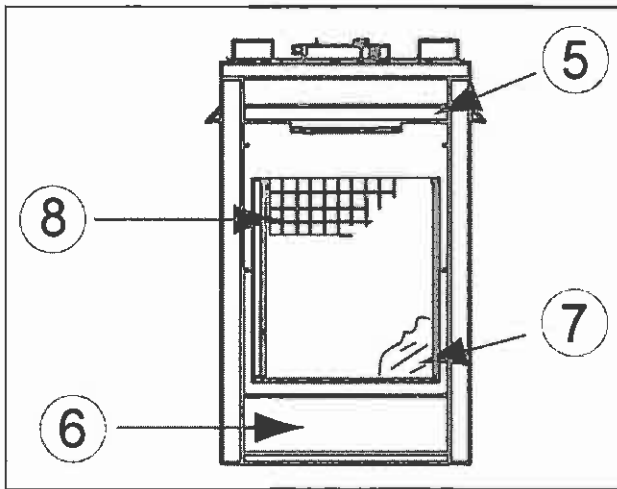
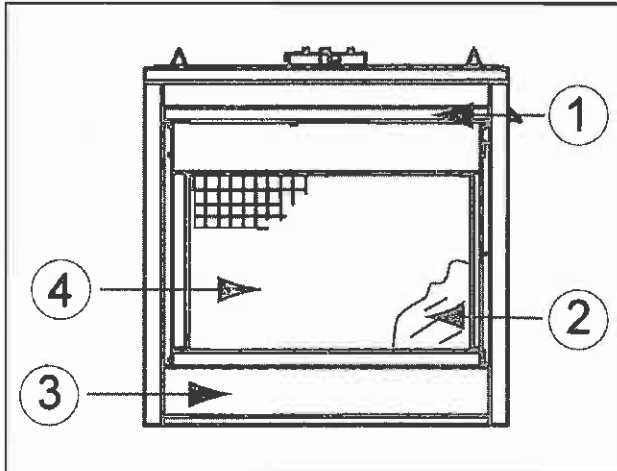
SMART-STAT-HTL
Remote Control with
Thermostat Control

SMART-BATT-HTL
Battery Operated Remote
Control with Thermostat
Control

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N. REPLACEMENT PARTS

Replacement parts are available from you distributor/dealer.



ITEM	PART #	DESCRIPTION
1	27658	Front Hood
2	26155	Front Glass Assembly
3	25893	Control Access Panel
4	26161	Front Screen Assembly
5	27659	Side Hood
6	25913	Lower End Face
7	26158	End Glass Assembly
8	29693	End Screen Assembly
9	30537 33858	Glass Latch Assembly (upper) Glass Latch Assembly (lower)
10	27793	Grate/Log Assembly
11	25912	Lower Rear Panel (not shown)



#10 - Grate/Gas Log Assembly

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heatilator®

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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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