

STANDING PILOT IGNITION

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 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.

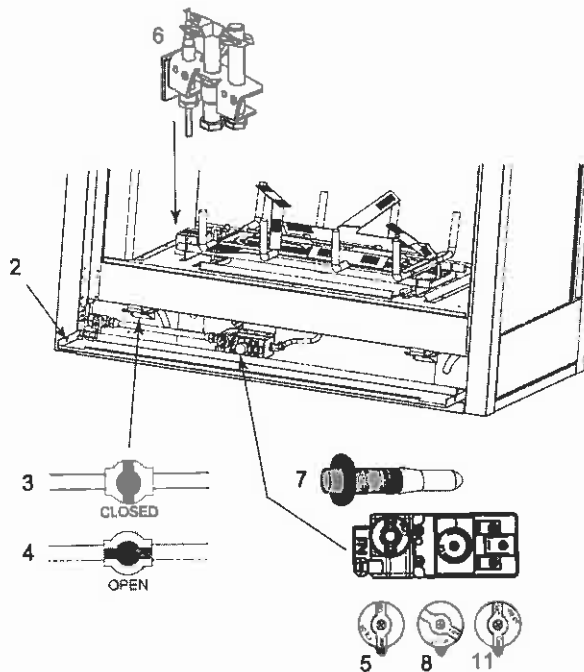
WHAT TO DO IF YOU SMELL GAS

- 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 off all wall switches to the appliance.
2. Open the control access panel. Turn wall switch to the "OFF" position or set thermostat to lowest setting.
3. Turn manual shutoff valve 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 manual shutoff valve 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 manual shutoff valve to the "CLOSED" position. Do not force.
4. Close the control access panel.

The first name in fireplaces

M. SEASONAL CHECK LIST

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.

1. STANDING PILOT IGNITION OPERATION

- a. **Hearth & Home Technologies** 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.

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

Do not burn wood or other material in this appliance. Propane or natural gas conversions necessary to meet the application need to be made by a qualified service technician using Hearth & Home Technologies specified and approved parts.

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

2. ELECTRONIC IGNITION OPERATION

- a. **Lighting the Appliance During Regular Use**
Turn the wall switch to "ON".

N. 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.

O. 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. See Figure 60. The flame color should be blue with yellow tips.

The thermopile and thermocouple tips (standing pilot) should be covered with flame. See Figure 61. If the appliance has an electronic ignition, the ignitor rod should be covered with the burner flame. See Figures 62 and 63.

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 60. If the vent configuration is correct, yet the flames are lifting or ghosting, shut off gas to the appliance and contact the dealer.

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.

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 sixteen 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 further. This can be done by opening the control access panel and locating the fixed wing bolt located on the bottom of the appliance. When the wing bolt is turned down, the air shutter is fully closed. When the wing bolt is turned up, 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 used.

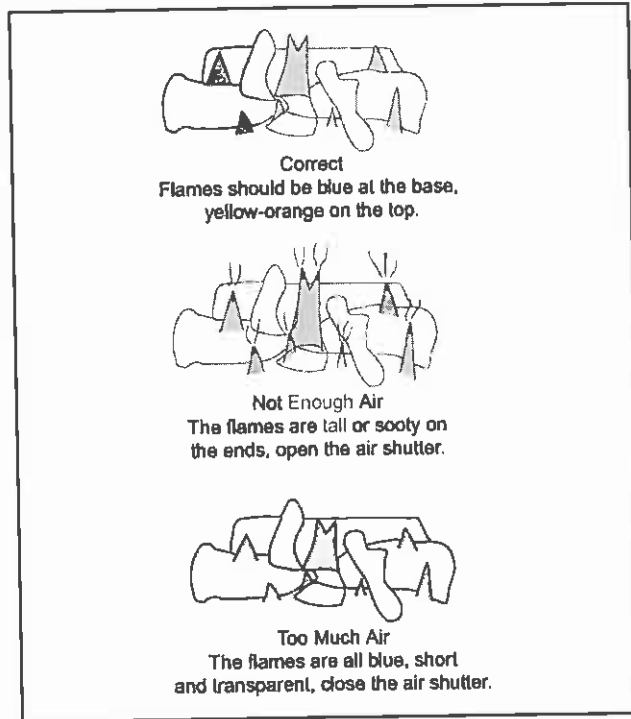


Figure 60 - Flame Patterns

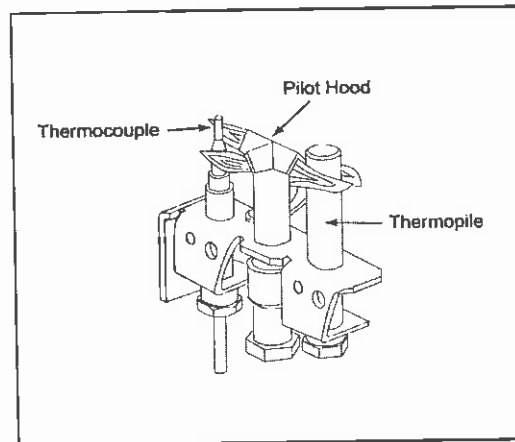


Figure 61
Standing Pilot

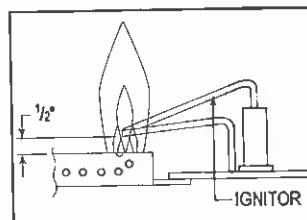


Figure 62

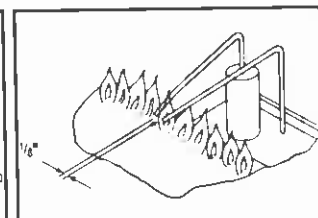


Figure 63

The first name in fireplaces

4. CLEANING THE GLASS

See Figure 64. 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 glass with only a Heatilator Glass Panel Assembly ordered through your local distributor. Never use substitute material.

WARNING!

Do not hit or strike glass. Do not operate this appliance if the glass is broken or cracked.

Safety Note:

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

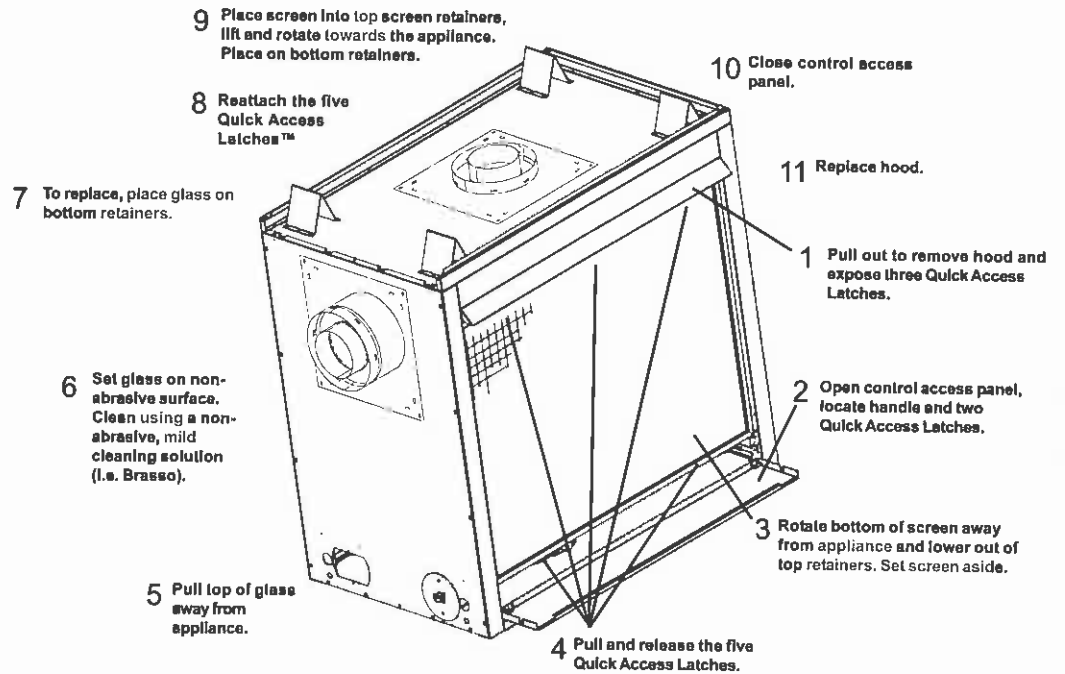


Figure 64 - Glass Cleaning

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

WARNING!

If not sealed, a fire hazard will be created and the appliance will not operate properly.

J. LOG REMOVAL/REPLACEMENT

If removal of the logs becomes necessary, remove the four screws (two at each end of the grate) that hold the grate in place. Grasp the grate and pull the logs up and off the hearth. See Figure 65.

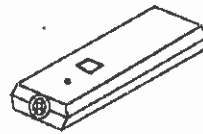
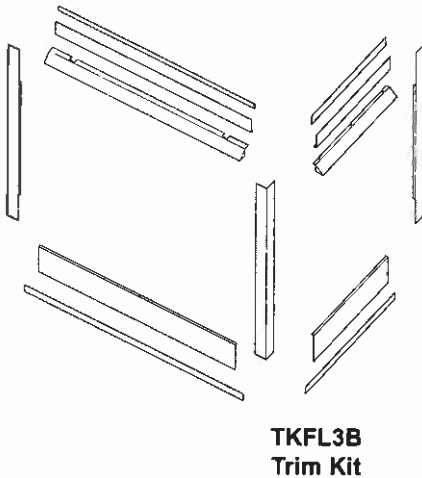
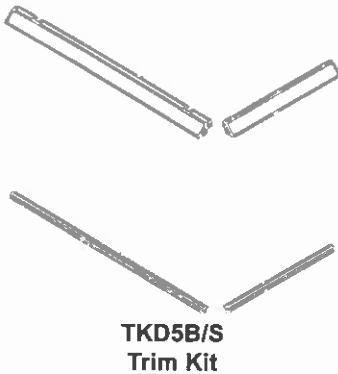
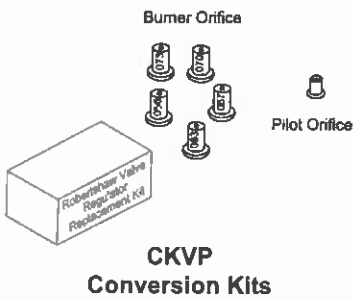
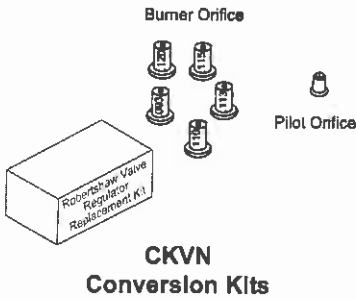
To replace the logs, grasp the grate and logs, lower the log set onto the hearth pan. Attach the two screws at each end of the grate.



Figure 65 - Grate/Log Assembly

The first name in fireplaces

P. OPTIONAL COMPONENTS



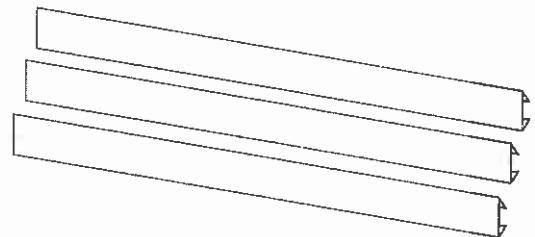
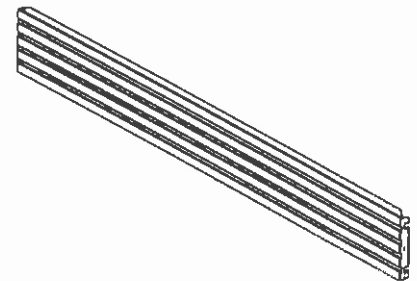
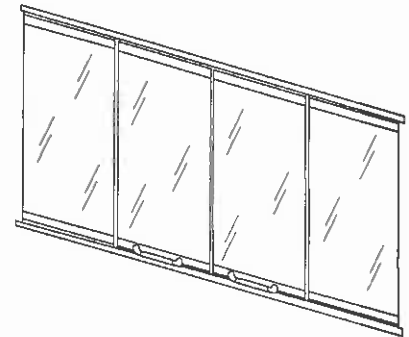
RC-ELEC-HTL
Remote Control (Electronic Ignition)

RC-BATT-HTL
Battery-operated Remote Control (Standing Pilot)

RCT-MLT-HTL
Multifunctional Remote

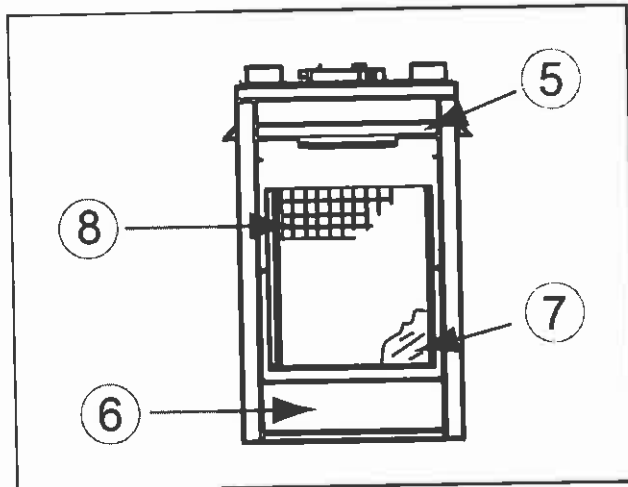
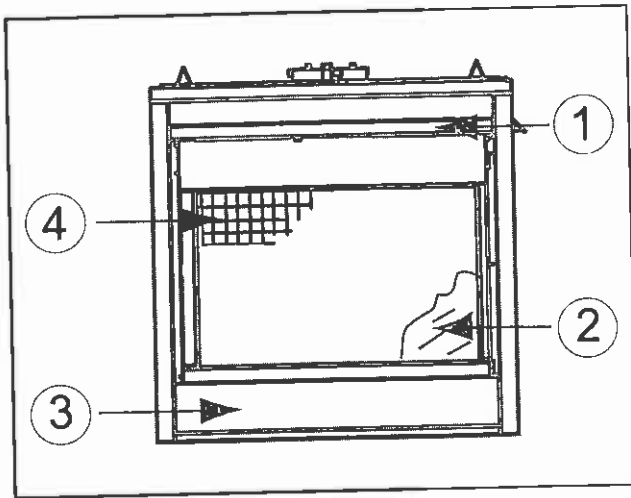
SMART-STAT-HTL
Remote Control with Thermostat Control

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



The first name in fireplaces

Q. REPLACEMENT PARTS



#10 - Grate/Log Assembly

ITEM	PART #	DESCRIPTION
1	27658	Front Hood
2	26155	Front Glass Assembly
3	25893	Control Access Door
4	26161	Front Screen Assembly
5	27659	Side Hood
6	25913	Lower Side Face
7	26158	End Glass Assembly
8	29693	End Screen Assembly
9	30537	Quick Access Latches - Upper (not shown)
	33858	Quick Access Latches - Lower (not shown)
10	35595	Grate/Log Assembly
11	25912	Lower Rear Panel (not shown)

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

Index

A

Air Shutter 33
Appliance Preparation 26

B

BTUs 22
Building Codes 3, 17
Building Supplies 4
Burner, cleaning 33

C

Certification 3
Chase Installation 10
Clearances 6
Codes 3
 Building 3, 17
 Electric 23
 Gas 3, 22
 Manufactured Housing 3
Collars 12
Conversion Kit 32
Conversion Kits 36

E

Elbows
 One 15
 Three 15, 16
 Two 15, 16
Electric Codes 23
Electronic Ignition
 Operation 32
 Wiring Diagram 24

F

Finishing Material 25
Fire Glow 29
Firestop Spacer 9
Flames
 Patterns 33
Flanges, nailing 12
Fuel Conversions 22, 29, 32

G

Gas
 Gas Line Connection 21
 Pressure 22
Gas Codes 3, 22
Gasoline 9
Glass
 Cleaning 34
 Doors 36
 Specifications & Certifications 3
Grate/Log Assembly 37
Grille Kit 36

H

Hearth sheet 12
Heat Shield, rear vent 17
High Altitude Installation 21
Hood 26
Horizontal
 Termination 14
 Typical Installation 4
Horizontal Termination 14
 Rear Vent 14, 16
 No Elbows 16
 Three Elbows 16
 Two Elbows 16
 Vent Lengths 16
Top Vent 14
 Vent Lengths 15

I

Ignition, determining type 30
Input Rate 22
Interior Wall Shield 8

J

Junction Box 24
Junction Box Installation 24

L

Lighting Instructions
 Electronic 30
 Standing Pilot 31
LK75 Electric Ember Light Kit 27
Locations 6
Logs 29
 Removal/Replacement 35

M

Maintenance Instructions 33
Mantel 7, 25
Manufactured Housing 3, 6
Manufactured Housing Codes 3

N

Natural Gas 29

O

Operation Manual 26
Optional Components 36

P

Propane 29

R

Rear Vent
 Horizontal Termination 14, 16
Rear Venting 13

Remote Control 36
Replacement Parts 37

S

Safety 4
Sealant, high temperature 25
Seasonal Check List 32
Sheet, hearth 12
Slip Sections 20
Soot 33
Space Requirements 6
Standing Pilot 23, 33
 Operation 32
 Wiring Diagram 23

T

Termination
 Cap Locations 11
 Horizontal 14
 Rear Vent 14
 Top Vent 14
 Top Vent - Vent Lengths 15
 Vent Lengths 16
 Installation 10
 Rear Vent 17
 Top Vent 10
 Vertical
 Rear Vent 18
 Top Vent 17
 Vertical venting 14
Thermocouple 33
Thermopile 33
Tools 4
Top Vent
 Horizontal Termination 14
 Vertical Termination 17
Top Venting 13

U

Utilities 21

V

Vent
 Connectors 12
 Covers 12
 Installation 9
 Lengths, Rear Vent 16, 18
 Lengths, Top Venting 15
 Vent Lengths
 One Elbow 15
 Rear Vent 16
 Three Elbows 15
 Top Vent 15
 Two Elbows 15

Vent Sections

- Assembly 17, 19
- Disassembly 20

Venting

- Attaching to Appliance 19
- Clearances , rear venting 14
- Clearances, top venting 14
- Minimum Installation (MI) Sections
19
- Slip Sections 20
- Through the wall 8
- Venting System 33
- Vertical Termination 10, 17
 - Rear Vent 18
 - Top Vent 17
- Typical Installation 4

W

- Wall Switch Wiring 23
- Water 2
- Website 37
- Window Placement 7
- Wiring 23
 - Electronic Ignition 24
 - Junction Box 24
 - Standing Pilot 23

The first name in fireplaces

heatilator®

The first name in fireplaces

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.

©2001 Heatilator® is a Registered Trademark of Hearth & Home Technologies