PO

INSTALLATION AND OPERATION GUIDE FOR
HARGROVE VENTED GAS LOGS
MHE Variable Flame Valve Parts-Only Kit

Installation and service must be provided by a qualified installer, service agency or the gas supplier.

FOR YOUR SAFETY
WHAT TO DO IF YOU SMELL GAS

1. Open windows.
2. Extinguish all open flames.
3. Do not try to light any appliance.
4. Do not touch any electrical switch; do not use the phone in your building.
5. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
6. If you cannot reach your gas supplier, call the fire department.

WARNING

To avoid a potential fire hazard, do not disassemble or attempt to repair the safety gas valve. Disassembly, reassembly or internal adjustment could cause the valve to malfunction, resulting in property damage, personal injury, or death. If the control valve does not operate properly following the installation or service, replace the unit.

FOR YOUR SAFETY

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

CAUTIONS

1. This valve should be installed only by a qualified service technician trained in gas safety equipment.
2. Turn off the gas supply before installing the valve.
3. All piping must meet applicable local codes and ordinances and the National Fuel Gas Code (ANSI Z223.1/NFPA NO.54)
4. All wiring must meet the applicable electrical codes and ordinances.
5. Assure that the complete system is operating according to the manufacturer's instructions after installing the Parts Only Kit.
6. Prior to installation, verify conformance with the log unit's installation instructions.
7. Assure that all the piping is free of any foreign matter.

INSTALLING A HARGROVE SAFETY GAS VALVE IN A LOCATION OTHER THAN SPECIFIED IN THIS MANUAL WILL VOID THE WARRANTY EXCEPT WHEN THE SAFETY GAS VALVE IS INSTALLED OUTSIDE THE FIREBOX IN A SAFE AND PROPER INSTALLATION AND ACCESS IS PROVIDED FOR MAINTENANCE AND REPAIR OF THE SYSTEM. A QUALIFIED INSTALLER MUST MAKE INSTALLATION AND ADJUSTMENTS.

FOR YOUR SAFETY

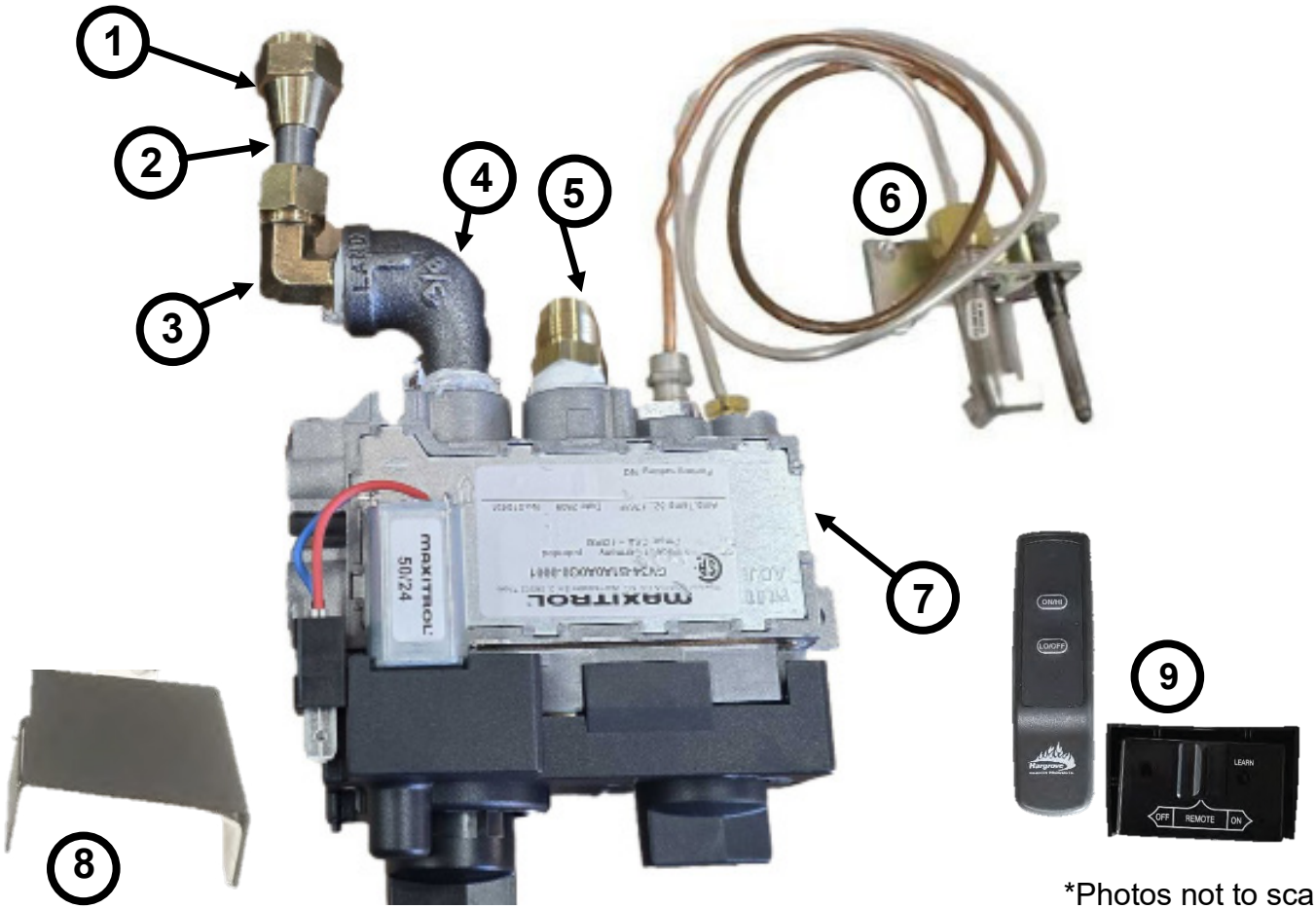
WARNING: If you do not follow these instructions exactly, a fire or explosion may occur resulting in property damage, personal injury, or loss of life.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

PFS® C US

PARTS LIST
(BURNER MOUNTED)



*Photos not to scale

ITEM	PART NUMBER	DESCRIPTION
1	41S-6	Brass Flare Nut
2	SC-1	1” Stainless Flare Fitting
3	69-6-6	3/8” FIP x 3/8” Compression
4	SE-6	3/8” Street Elbow
5	48-6-6	3/8” MIP x 3/8” FL Brass Fitting
6	RSTPB-18	Pilot Assembly
7	GV-34	Maxitrol Variable Flame Valve
8	HS-U445	Universal Heat Shield
9	RC-S6V-MX	Remote Kit

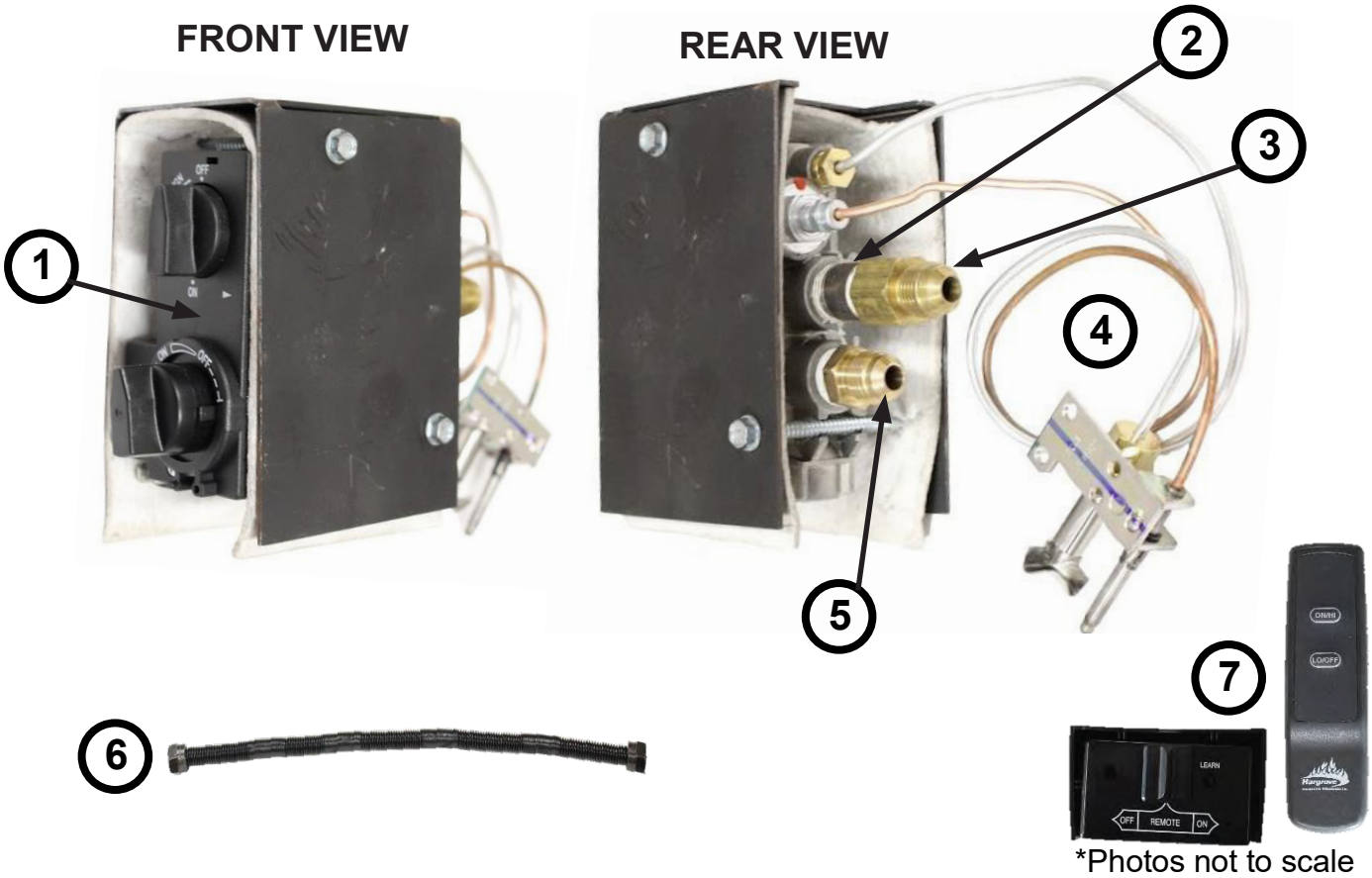
NOTE: Replacement parts can be ordered from your local Hargrove dealer.

HEAT SHIELD INSTALLATION (Burner Mounted)

NOTE: Install the heat shields provided in the burner kit failure to do so will void the warranty.

Place the white superwool inside the heat shield and install over the gas control valve.

PARTS LIST
(COOL MOUNT)



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ITEM	PART NUMBER	DESCRIPTION
1	GV-34	Maxitrol Variable Flame Valve
2	N-6X1.5	3/8” x 1.5” Pipe Nipple
3	46-6-6	3/8” FIP x 3/8” FL Brass Fitting
4	RSTPB-18	Pilot Assembly
5	48-6	3/8” MIP x 3/8” FL Brass Fitting
6	FCNW-18	Non-Whistling Flex Connector
7	RC-S6V-MX	Remote Kit

NOTE: Replacement parts can be ordered from your local Hargrove dealer.

GAS VALVE LOCATION (Cool Mount)

The cool mount setup provides flexibility in the location of the gas valve. It can be oriented vertically or horizontally and is made to be located as far away from the burner as possible.

NOTE: To conceal the valve place up against the refractory brick panels, and for even better effect, paint all the fireplace panels black.

VERTICAL

HORIZONTAL

GAS CONNECTION

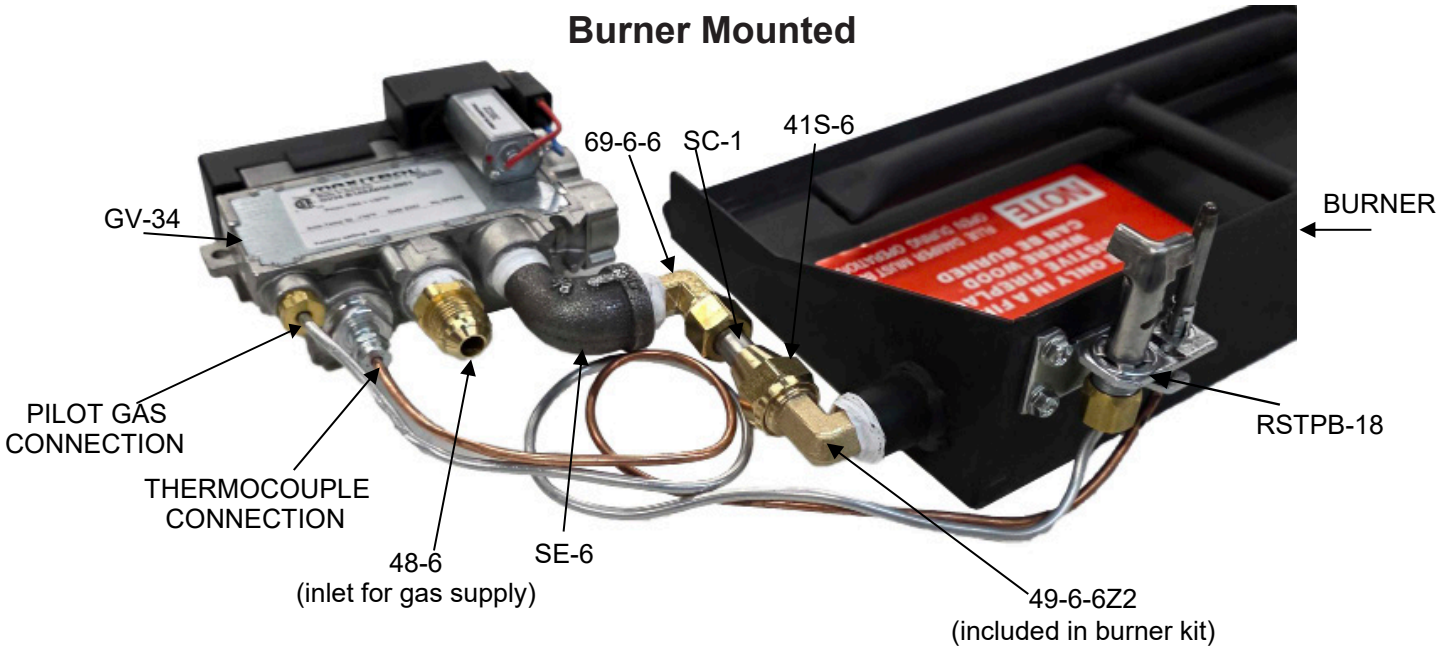
Check that the gas is turned off.

The gas supply line should be ½" inside diameter (ID) up to 30 feet and ¾" for longer distance.
Use one of the nonwhistling flex connectors provided in the accessory kit to connect the gas valve to the burner pan and install the pilot on the back of the burner pan using the 2 supplied screws. Use the other nonwhistling flex connector to connect the gas valve to the gas supply.

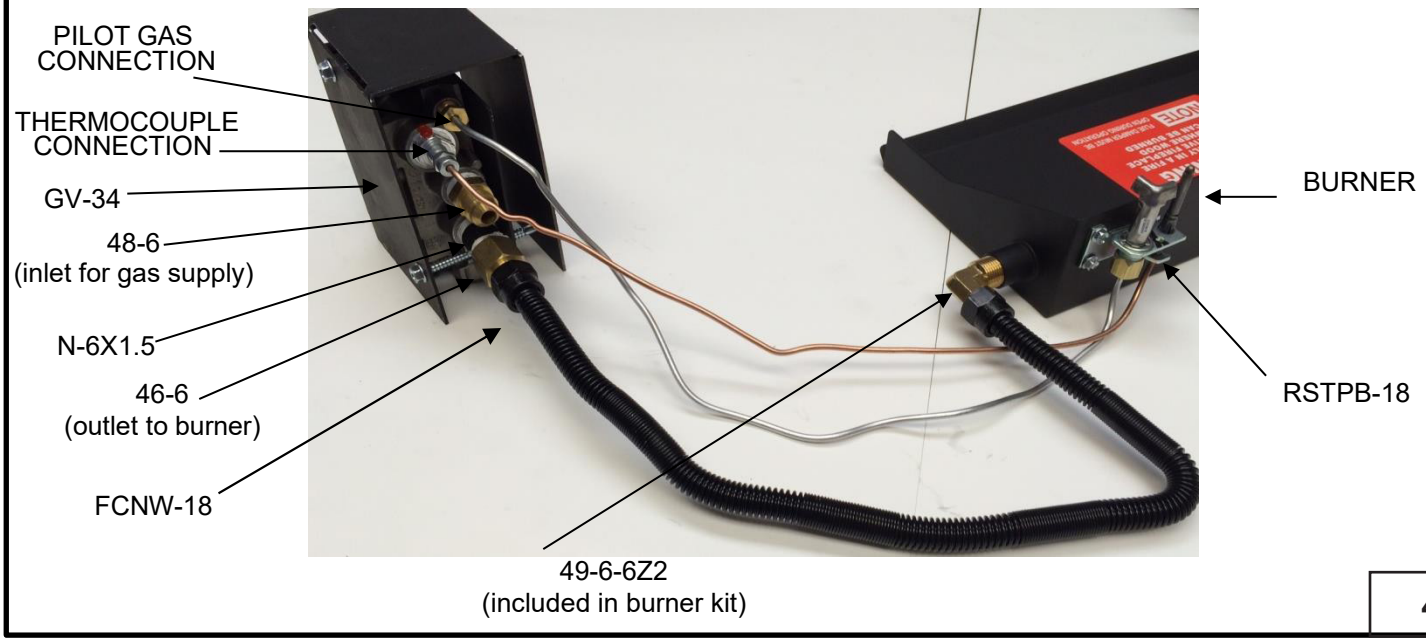
Turn the gas supply on and check connection for leaks using a soapy solution.

NOTE- at this point install and program any remote kits, refer to the instructions provided with those kits for installation.

Burner Mounted



Cool Mount



LIGHTING THE PILOT

Read the lighting instruction plate attached to the gas valve or located at the end of these instructions.

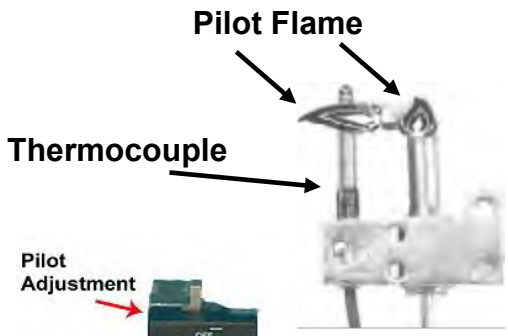
Push in gas control knob slightly and turn clockwise until the knob will not turn any longer. This is the "OFF" position. The word off should be at the 12 o'clock position on the control knob.

Slightly push in on pilot knob and turn valve to the "PILOT" position. Push the knob in all the way and hold in. Immediately light the pilot. *(The pilot is located on the back right corner of the burner pan*) Continue to hold the knob for at least 30 seconds after the pilot is lit. Release the knob and the pilot should remain lit.

Turn the burner to the "ON", the pilot flame should ignite the main burner within 4 seconds.

Carefully check the connections for leaks using a soapy solution.

NOTE: If the pilot will not stay lit after several tries turn the control off and call a technician.



RSTPB-18

MHC-C

IMPORTANT: These controls are factory preset and will not normally require additional adjustment of the pilot flame. If field adjustment of the pilot flame is required, adjust using the pilot adjustment screw. The 90 degree pilot should produce 2 flames about 1-1 ½" in 2 directions. One flame should come towards the front of the firebox to ignite the burner and the other, wrapping around the thermocouple to ensure proper valve operation.

REMOTE ATTACHMENT

WIRING INSTRUCTION

1. **Connect the Black 18 gage stranded wire with the 1/4" female terminal from the receiver to the 1/4" male terminal on the valve servomotor.**
2. **Connect the Black 18 gage stranded wire with the 7/32" female terminal from the receiver to the 7/32" male terminal on the valve servomotor.**
3. **After receiver wires are connected to the valve servo motor terminals make sure the receiver shield is located over the receiver and then locate the receiver in an area that will not exceed the 120° F.**
4. **Always mount the receiver to side of the valve kit away from the fire.**

WARNING: DO NOT CONNECT REMOTE RECEIVER DIRECTLY TO 110120VAC POWER. THIS WILL BURN OUT THE RECEIVER. FOLLOW INSTRUCTIONS FROM MANUFACTURER OF GAS VALVE FOR CORRECT WIRING PROCEDURES. IMPROPER INSTALLATION OF ELECTRIC COMPONENTS CAN CAUSE DAMAGE TO GAS VALVE AND REMOTE RECEIVER.

TRANSMITTER

The transmitter has ON/HI and LO/OFF functions that are activated by pressing either button on the face of the transmitter. When a button on the transmitter is pressed, a signal light on the transmitter illuminates to verify that a signal is being sent. Upon initial use, there may be a delay of three seconds before the remote receiver will respond to the transmitter. This is part of the system's design. If the signal light does not illuminate, check the position of the transmitter's battery.

RECEIVER

- With the slide switch in the REMOTE position, the system will only operate if the remote receiver receives commands from the transmitter. Upon initial use or after an extended period of no use, the ON/HI button may have to be pressed for up to three seconds before activating servomotor. If the system does not respond to the transmitter on initial use, see LEARNING TRANSMITTER TO RECEIVER section.
- With the slide in the OFF position, the system is off.
- Move slide switch to ON position for manual operation. Manual ON will move the servo motor to ON/HI position and stop motor after five seconds. Manual OFF will move the servo motor to LO/OFF position and stop after five seconds.
- It is suggested that the slide switch be placed in the OFF position if you will be away from your home for an extended period of time. Placing the slide switch in the OFF position also functions as a safety "lock out" by both turning the system OFF and rendering the transmitter inoperative.

IMPORTANT: Keep receiver in a cool location. Battery life is also significantly shortened if batteries are exposed to high temperatures. Make sure the remote receiver switch is in the OFF position. For best results it is recommended that 18 gauge stranded wires should be used to make connections and no longer than 20 feet.

NOTE: The remote receiver will only respond to the transmitter when the 3position slide button on the remote receiver is in the REMOTE position. The remote receiver houses the microprocessor that responds to commands from the transmitter to control system operation.

Each transmitter uses a unique security code. It will be necessary to press the LEARN button on the receiver to accept the transmitter security code upon initial use, if batteries are replaced, or if a replacement transmitter is purchased from your dealer or the factory. In order for the receiver to accept the transmitter security code, be sure the slide button on the receiver is in the REMOTE position; the receiver will not LEARN if the slide switch is in the ON or OFF position. The LEARN button in located on the front face of the receiver; inside the small hole labeled LEARN. Using a small screwdriver or end of a paperclip gently press the black LEARN button inside the hole and release the button. When you release the LEARN button the receiver will emit a “beep”. After the receiver emits the beep press any button on the transmitter and release. The receiver will emit several beeps indicating that the transmitter’s code has been accepted into the receiver. The microprocessor that controls the security code matching procedure is controlled by a timing function. If you are unsuccessful in matching the security code on the first attempt, wait 1 - 2 minutes before trying again--this delay allows the microprocessor to reset its timer circuitry--and try up to two or three more times.

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 appliance has a pilot, which must be lit by hand. 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:

1. Do not try to light any appliance.
2. Do not touch any electric switch; do not use any phone in your building.
3. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
4. 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. Never use tools. If the knob will not push in or turn by hand, do not try to repair it. Call a qualified service technician.

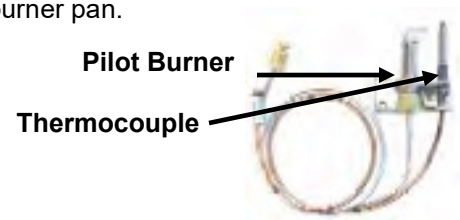
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control, which has been underwater

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Push in gas control knob slightly and turn clockwise to **"OFF".**

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

3. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to next step.
4. Find pilot – follow metal tube from the gas control behind the burner pan.



5. Turn knob on gas control counterclockwise to **"PILOT"**.
6. Push in control knob all the way and hold in. Immediately light the pilot with a match. Continue to hold the control knob in for about one minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 3 – 7.

- If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
- If the pilot will not stay lit after several tries, turn the gas control knob to **"OFF"** and call your service technician or gas supplier.

7. Turn gas control knob counterclockwise to **"ON"**.

TO TURN OFF GAS APPLIANCE

1. Turn knob clockwise from **"ON"** position to the **"PILOT"** position. Push in the gas control knob slightly and turn clockwise to **"OFF"**. Do not force knob.

LIMITED WARRANTY

Refractory and Ceramic Fiber Logs

Hargrove gas logs carry a limited lifetime warranty against any manufactured defect or breakage. This warranty does not cover breakage caused by excessive handling once installed and fired. Contact Customer Service for warranty claim details.

Burner & Grate

If the burner or grate fails due to deterioration within five (5) years of the verified purchase date, contact Customer Service for warranty claim details.

Valves, Remote Controls, & Switching Devices

All valves, remote controls and switching devices are warranted against manufacturing defects which appear within two (2) years of the verified purchase date. Warranty does not cover products that have been damaged by misuse from overheating. Before any product is returned a Return Goods Authorization number (RGA) must be issued by the Customer Service Department. All returns must be accompanied by an explanation of the problem and all necessary parts.

All Other Parts

If any assembled part should fail to operate or be found defective which appear within two years of the verified purchase date, contact Customer Service for warranty claim details

Buyer shall notify Customer Service of any defect covered by this warranty no later than thirty (30) days after defect is discovered. Failure to provide notice within thirty (30) days shall void the limited warranty.

WHAT IS NOT COVERED

1. Removal and reinstallation costs.
2. Labor costs for replacement or repairs.
3. Transportation or shipping cost.
4. The cost of a service call to diagnose trouble.
5. Painted Surfaces.
6. Damage or defect caused by improper installation, accident, misuse, abuse, alteration, or authorized service technician.
7. Replacement of burner or combustion chamber resulting from improper storage of the appliance.

LIMITATIONS AND EXCLUSIONS

1. No one has authority to add to or vary this limited warranty, or to create for Hargrove Manufacturing Corporation any other obligation or liability in connection with this appliance.
2. Any implied warranty applicable to this appliance is limited in duration to the same period of time as this written warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
3. HARGROVE MANUFACTURING CORPORATION WILL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR CONTINGENT DAMAGES YOU MIGHT SUFFER AS A RESULT OF A CLAIM UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.
4. This warranty applies only to the original purchaser and may not be transferred or assigned.
5. If you cannot verity the purchase date of the appliance, the warranty period will begin on the date of which the appliance was manufactured.
6. Replacement or repair parts are warranted for the remaining period of the original part warranty. Warranty parts must be obtained through authorized dealers of this product who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty.
7. The maximum liability of Hargrove Mfg. Corp. in connection with this limited warranty shall not in any case exceed the contract price paid for the product claimed to be defective or unsuitable.
8. Purchaser or user agrees to hold Hargrove Mfg. Corp. harmless from all claims by the buyer because of injury or damage to an ultimate user or other person caused by the product sold herein by the seller to the buyer, whether the injury or damage results from the assembly, installation, operation, shipment, storage, or manufacture of this product. Hargrove Mfg. Corp. makes no warranties, expressed or implied, other than those expressly stated herein.

YOUR DUTIES

This appliance must be installed by a qualified installer, operated and maintained in accordance with all applicable codes and the instructions furnished with the appliance. You must provide a receipt verifying the purchase date of the appliance when making a warranty claim with the dealer from which the appliance was purchased.

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

CONTACT INFO: Hargrove Gas Logs
Wellston Park Rd. – Sand Springs, OK 74063
Toll Free – (800)725-4166
www.hargrovegaslogs.com

Customer Service hours: 8:00am to 4:00pm CST