

# INSTALLATION GUIDE FOR HARGROVE VENTED GAS LOGS

## Dexen Millivolt Electronic Ignition Pilot Valve (DEI-ENC)

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.*

### IMPORTANT

This system operates on 3V AC power. 110/120V outlet required. Use GFCI outlet where local building code requires.

### 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.



REV 043024

## PARTS LIST



<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
1	DXMV-C	ELECTRONIC IGNITION SAFETY VALVE
2	AFPI-48	48" ELECTRONIC IGNITION PILOT
3	DXICM	IGNITION CONTROL MODULE
4	DXWH	WIRE HARNESS
5	3VAC	3V AC ADAPTER
6	DEI-PB	DEXEN PILOT BRACKET
7	ENCL-8X8X4	ENCLOSED BOX
8	BCS	BARK CHIP SWITCH

## PILOT CONNECTION

Attach the small side of the pilot bracket to the predrilled holes on the back wall of the burner pan using the screws provided.

Attach the pilot assembly to the burner keeping the pilot out of the main burner flame.

**IMPORTANT:** The pilot assembly should be mounted on the outside of the burner pan. Placement of burner media (sand, vermiculite, glass, stone, etc.) MUST NOT cover the pilot assembly

## VALVE CONNECTION



## LIGHTING THE BURNER SYSTEM

**Make sure all gas connection fittings and wire connections are secure and safe for ignition.**

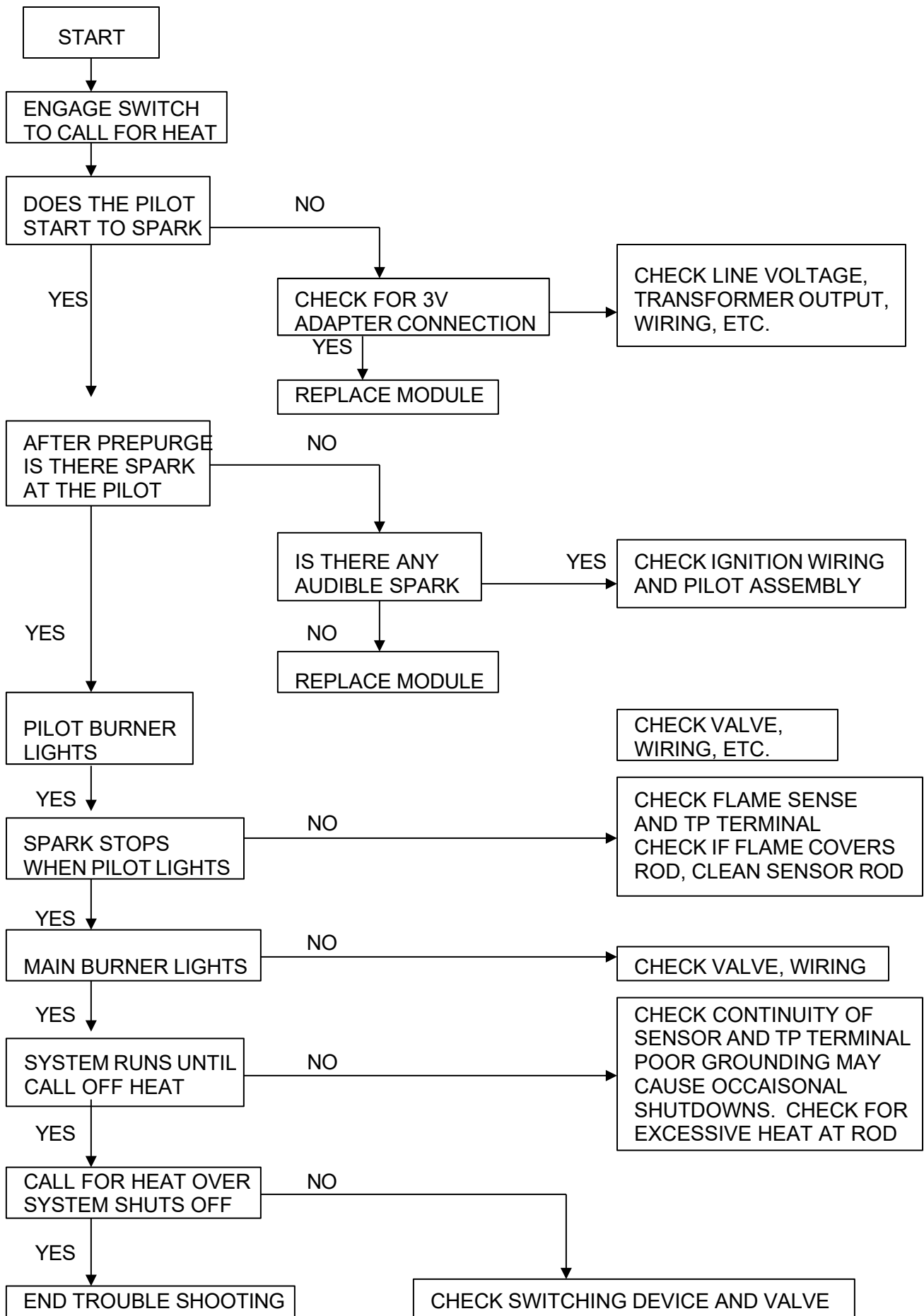
- Plug the system into 110V outlet.
- Turn the system on using switching device.
- Watch and listen for a spark at the Pilot Assembly.
- Pilot should light within a few seconds (if the pilot does not light within 10 seconds you may have to bleed the gas line to get the air out of the gas inlet pipe).
- Once the pilot lights, the heat sensor will heat up and then activate the gas to the main burner.
- When gas begins to flow to the main burner the pilot will light the burner gas and remain in operation during the operation cycle.
- When the power is turned OFF, the main burner flame and pilot flame will shut down.

## TROUBLESHOOTING

**IMPORTANT: Unplug or turn off all power to the appliance if service is to be performed.**

- 1. Main flame will shut off and then cycle back on again.**
  - This could be caused by a poorly grounded system. If the system has a bad ground, it can cause the valve to turn off and then cycle back on again. Check the valve and pilot to ensure that they are secure. Also check the wires to the valve for a tight connection.
  - This can be caused by not enough heat to the sensor rod, causing the system to turn off and then cycle back on again. Check sensor rod to insure it is in the pilot flame and is glowing.
- 2. Pilot and or main flame won't light but there is spark at the pilot hood.**
  - Check gas supply.
  - Check selector switch on valve.
  - Check wire connections.
- 3. Can hear spark, but no spark is visible at pilot hood.**
  - This could be caused by cracked ceramic on ignition rod. This would arc at the crack to the nearest ground.
- 4. Turn system on and there is no spark.**
  - Check main power.
  - Check wiring.
  - This could be caused by improper spark gap between igniter rod and pilot hood. It should be no greater than 0.25" gap.

# TROUBLESHOOTING CHART



## LIMITED WARRANTY

### Refractory Logs

Hargrove gas logs carry a limited lifetime warranty against any manufactured defect or breakage when installed indoors. A replacement will be available from the dealer at which the appliance was purchased. This warranty does not cover breakage caused by excessive handling once installed and fired. Outdoor applications carry a one (1) year limited warranty.

### Burner & Grate

If the burner or grate fails due to deterioration within five (5) years of the verified purchase date, a free replacement will be made available from the dealer at which the appliance was purchased.

### Valves, Remote Controls, & Switching Devices

Hargrove warrants all valves, remote controls and switching devices 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 Hargrove's 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 (2) years of the verified purchase date, a replacement will be available from the dealer at which the appliance was purchased.

Buyer shall notify Hargrove Mfg Corp. 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 verify 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 any and all claims by the buyer as a result 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 Manufacturing Corp. Tele: (800) 725-4166**