INSTALLATION & OPERATING INSTRUCTIONS

Kozy Heat

MODEL #548*
VENTED / UNVENTED GAS LOG

*PATENTS PENDING

Serial # AGA 54874
Mfdt: 11.26.97
Natural Gas

IMPORTANT:
READ INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.
FAILURE TO INSTALL AND OPERATE THIS GAS LOG CORRECTLY CAN
CAUSE SERIOUS STRUCTURAL AND FIRE HAZARDS AND MAY
VOID YOUR WARRANTY.

RETAIN THIS MANUAL FOR FUTURE REFERENCE

March 1997
INSTALLATION INSTRUCTIONS
MODEL: #548
VENTED / UNVENTED GAS LOG

This appliance has been tested to and complies with ANSI Z21.11.2-1993 "Gas-Fired Room Heaters, Volume II-Unvented Room Heaters", AGA No. 5-95 "Requirements for Unvented Room Heaters", and ANSI Z21.60-1991 "Decorative Gas Appliances for Installation in Solid-fuel Burning Fireplaces". Installation must conform with local building codes, or in the absence of local build codes, with ANSI Z223.1-1992 NFPA 54 (88).

THIS APPLIANCE IS FOR INSTALLATION ONLY IN A SOLID-FUEL BURNING FIREPLACE, INCLUDING MASONRY, FACTORY BUILD AND ZERO CLEARANCE UNITS (OPERATION MAY BE WITH THE DAMPER IN THE OPEN OR CLOSED POSITION) AND APPROVED VENTLESS FIREBOX ENCLOSURES.

FOR YOUR SAFETY
WHAT TO DO IF YOU SMELL GAS:

♦ DO NOT TRY TO LIGHT ANY APPLIANCES.

♦ DO NOT TOUCH ANY ELECTRICAL SWITCH; DO NOT USE ANY PHONE IN YOUR BUILDING.

♦ IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE. FOLLOW THE GAS SUPPLIER'S INSTRUCTIONS.

♦ IF YOU CANNOT REACH YOUR GAS SUPPLIER, CALL THE FIRE DEPARTMENT.

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

THIS APPLIANCE MAY BE INSTALLED IN AN AFTER MARKET MANUFACTURED (MOBILE) HOME. CHECK YOUR STATE OR LOCAL CODES.

WARNING:
IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THIS MANUAL FOR ASSISTANCE OR ADDITIONAL INFORMATION, CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

IMPORTANT: THIS APPLIANCE IS FOR USE ONLY WITH THE TYPE OF GAS AS EQUIPPED FOR FROM THE MANUFACTURER AND IS NOT CONVERTIBLE FOR USE WITH OTHER GASES.

WARNING:
If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.
**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 the entire control system.

STATE OR LOCAL CODES MAY ONLY ALLOW OPERATION OF THIS APPLIANCE IN A VENTED CONFIGURATION. CHECK YOUR STATE OR LOCAL CODES, FOR RESTRICTIONS OF UNVENTED ROOM HEATERS. THE FIREPLACE CHIMNEY DAMPER MUST BE LOCKED AT THE MINIMUM VENT AREA REQUIRED IN STATE OR LOCAL CODES OR THE NATIONAL FUEL GAS CODE (ANSI Z223.1 LATEST EDITION) WHEN UNVENTED ROOM HEATERS ARE RESTRICTED.

**UNVENTED INSTALLATION GUIDELINES**

**NOTICE:**
When this appliance is used in an unvented configuration, it uses air (oxygen) from the room in which it is installed.

AN UNVENTED APPLIANCE MUST NOT BE INSTALLED IN BEDROOMS OR BATHROOMS.

A fireplace mesh screen must be in place when the appliance is operating.

**IMPORTANT**

THIS APPLIANCE SHALL NOT BE INSTALLED IN A CONFINED SPACE UNLESS PROVISIONS ARE PROVIDED FOR ADEQUATE COMBUSTION AND VENTILATION AIR.

The National Fuel Gas Code defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 BTU per hour (4.8 m³ per kw) of the aggregate input rating of all appliances installed in that space and an unconfined space as a space whose volume is not less than 50 cubic feet per 1,000 BTU per hour (4.8 m³ per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of the unconfined space.
SIZING THE UNIT*

Use this worksheet to determine if you have confined space or unconfined space:

IMPORTANT: Include the room in which installation is desired as well as adjoining rooms with doorless passageways or ventilation grills between rooms.

NOTE: Due to the heat output of this appliance be sure that the room in which installation is desired, when determined ‘unconfined space’, is large enough to prevent the room from overheating.

1. Determine your volume of air:

   Room size - Length: _____ x
   Width: _____ x
   Depth: _____ =
   Cu. Ft. _____ (volume of air)

   Example: Length: 24’ x
   Width: 18’ x
   Height: 8’
   Cu. Ft.: 3,456 (volume of air)

If additional ventilation to adjoining rooms is supplied with grills or doorless openings, include that volume of air to the total.

2. Divide your total by 50 cubic feet. This will determine the maximum BTU/HR the space can support.

   Total volume of air _________ ÷ 50 cubic feet = ________________ Maximum BTU / Hour.

   Example: Total volume of air: 3,456 ÷ 50 cu. ft. = 69.1 or 69,100 Maximum BTU/Hour.

3. Add the BTU / Hour rating of all fuel burning appliances located in the space.

   #548 Ventless log set ________ BTU / HR
   Gas Water Heater ________ BTU / HR
   Gas furnace ________ BTU / HR
   Vented gas heater ________ BTU / HR
   Gas Fireplace logs ________ BTU / HR
   Gas Oven appliance ________ BTU / HR
   Other gas appliance ________ BTU / HR

   TOTAL ________ BTU / HR

   Example:
   Gas water heater 30,000 BTU / HR
   #548 Ventless log set + 34,000 BTU / HR
   TOTAL = 64,000 BTU / HR

*Do not include direct-vent gas appliances. These types of appliances use combustion air from the outdoors and vent to the outdoors.
4. Compare your total from #2 (maximum BTU / HR the space can support) with the actual amount of BTU / HR being supported from #3.

_________ BTU/HR (max. space can support) __________ BTU/HR (actual amnt. supported)

Example:  69,100 BTU/HR (max. space can support)  64,000 BTU/HR (actual amnt. supported)

NOTE: The #548 Vented / Unvented log set has a 34,000 BTU/HR input rating. The minimum room size in which this may be installed is: 12' x 18' x 8' (1,738 cu. ft.) when no other fuel burning appliances are in that room.

The space in the above example is an unconfined space because the actual BTU / HR used is less than the maximum BTU / HR the space can support. No additional fresh air provisions are necessary.

If the actual BTU / Hour used is more than the maximum BTU / Hour the space can support (confined space), additional fresh air must be provided by one of the following:

1. Add the air volume of another adjoining room (not previously factored in) to your original worksheet. If the extra room provides the necessary air volume, remove any doors to the adjoining room or add ventilation grills between rooms.

2. Vent room directly to the outdoors.

WARNING:

IF THE AREA IN WHICH THE HEATER MAY BE OPERATED IS SMALLER THAN THAT DEFINED AS AN UNCONFINED SPACE, PROVIDE ADEQUATE COMBUSTION AND VENTILATION AIR BY ONE OF THE METHODS DESCRIBED IN THE NATIONAL FUEL GAS CODE ANSI Z223.1, 1992, SECTION 5.3.
GAS LINE INSTALLATION GUIDELINES

INSTALLATION OF THE GAS LINE MUST ONLY BE DONE BY A QUALIFIED PERSON IN ACCORDANCE WITH LOCAL BUILDING CODES.

A. MINIMUM / MAXIMUM Pressures

**Natural Gas Only:**
- The minimum inlet gas supply pressure: 4.5 IN. W.C.
- The maximum inlet gas supply pressure: 11.0 IN. W.C.
- Manifold Pressure: 3.5 IN. W.C.
- Manifold Pressure (Lo setting): 1.7 IN. W.C.
- Input Rating: 34,000 BTU/HR
- Input Rating (Lo setting): 24,000 BTU/HR
- Orifice Size: #32

**LP Gas Only:**
- The minimum inlet gas supply pressure: 11.0 IN. W.C.
- The maximum inlet gas supply pressure: 13.0 IN. W.C.
- Manifold Pressure: 10.0 IN. W.C.
- Manifold Pressure (Lo setting): 3.0 IN. W.C.
- Input Rating: 34,000 BTU/HR
- Input Rating (Lo setting): 24,000 BTU/HR
- Orifice Size: #50

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B. LEAK / PRESSURE TESTING: Refer to figure on page #12.

- **Inlet Pressure:** The inlet pressure check point is the first tap [item D] located at the left side of the valve.

- **Manifold Pressure:** The manifold (outlet) pressure check point is the second tap [item C] located at the left side of the valve. The pressure should be checked with the appliance burning and the control set on 'high'.

To check either of these pressures, loosen but do not remove the inset screw and attach test equipment. After test is complete, tighten inset screw and check for leaks. Refer to figure 1 on page. The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig. If the incoming gas pressure is not known, it must be checked prior to this appliance installation.

The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.

**NOTE:** Upon initial installation, it may be necessary to bleed out air in the gas lines. Do this by holding in the control knob and turning the knob to the pilot position for about 30 seconds.
APPLIANCE SPECIFICATIONS:

Figure 1

IMPORTANT: Your existing fireplace must have the following minimum required opening to correctly install this appliance:
Height: 16" Width: 25 1/2" Depth: 13"

FIGURE 2

NOTE: ALL DIMENSIONS ARE MINIMUM REQUIREMENTS

IMPORTANT: ANY GLASS FIREPLACE DOORS MUST BE FULLY OPENED WHEN OPERATING THIS APPLIANCE.
PREPARE THE FIREPLACE

NOTE: Any outside air ducts and/or ash dumps in the fireplace must be permanently closed at the time of appliance installation.

WARNING: SOLID FUELS SHALL NOT BE BURNED IN A FIREPLACE AFTER THIS APPLIANCE HAS BEEN INSTALLED.

WARNING:

Before installing in a solid fuel burning fireplace, the chimney flue and firebox must be cleaned of soot, creosote, ashes and loose paint by a qualified chimney cleaner.

Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns.

Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this heater.

VENTED INSTALLATIONS:

IMPORTANT: WHEN USING THIS AS A VENTED APPLIANCE, CHIMNEY DAMPER MUST BE IN AN OPEN POSITION WHEN OPERATING THE APPLIANCE. A DAMPER STOP CLAMP (INCLUDED) MUST BE INSTALLED TO PREVENT ACCIDENTAL CLOSURE OF THE CHIMNEY DAMPER. IF THIS CLAMP DOES NOT FIT YOUR DAMPER, A PERMANENT STOP SHOULD BE INSTALLED. REFER TO THE DIAGRAM BELOW FOR PLACEMENT GUIDELINES.

Figure 3

Scaled 2X to Show Detail
INSTALLATION OF THE GAS LINE MUST ONLY BE DONE BY A QUALIFIED PERSON IN ACCORDANCE WITH LOCAL BUILDING CODES OR ANSI Z223.1-LATEST EDITION.

NOTE: This appliance is equipped with a 3/8" flexible gas connection, 10" long.

1. Run the gas line. An accessible shut off valve (provided) must be installed upstream from the regulator.

2. This unit is designed to accept either a 3/8" I.D. or 1/2" gas line approved for gas installations. Consult local building codes to properly size the gas supply line leading to a 3/8" I.D. reduction. Also see the chart below for proper supply line sizing.

**CAUTION:** The flexible gas line must not extend outside the unit cavity. See the WARNING label affixed to the flexible tubing for additional installation instructions and warnings.

**IMPORTANT:** CHECK ALL CONNECTIONS FOR LEAKS!

**MASONRY FIREPLACES:**

- USE ONLY N.P.T. BLACK IRON GAS LINE (DO NOT USE CAST IRON PIPE.)

- UNLESS PROVISIONS FOR RUNNING THE GAS LINE HAVE BEEN PREVIOUSLY MADE, A GAS LINE ACCESS TO RUN 1/2" GAS SUPPLY LINE THROUGH THE FIREBOX MUST BE MADE. DRILLING THROUGH THE MASONRY WALL WILL BE REQUIRED IN MOST CASES.

- A manual shut off valve must be provided within easy reach of the appliance.

- Seal around the gas supply line in the access hole with mortar.

**FACTORY-BUILT FIREPLACES & VENT-FREE FIREBOX ENCLOSURES:**

Certain manufacturer's provide specific gas line access in their fireplaces or enclosures. Refer to the manufacturer's installation manual for information on running a gas line.

Most manufacturers use the following method:

Locate the gas access holes outside the fireplace or enclosure and insert 1/2" gas pipe through the gas line tube provided by the manufacturer.

A manual shut off valve should be installed within easy reach of the fireplace or enclosure.

Replace any insulation removed from the gas line tube and pack around the pipe to prevent cold air from coming into the home and to protect the gas line.

DO NOT ALLOW THE GAS PIPE TO COME IN CONTACT WITH ANY WOOD STRUCTURE UNTIL IT IS AT LEAST 1" AWAY FROM THE FIREPLACE OR ENCLOSURE SIDE.

**EXISTING GAS LINE INSTALLATION:**

If a manual shut off valve is not within easy reach of the appliance, make sure you install one before installing the appliance.

NOTICE: A manual shut off valve may have been previously installed at the point where the gas line for the fireplace branches off the main supply. MAKE SURE THAT THIS VALVE IS ‘OFF’ DURING INSTALLATION.
POSITION THE APPLIANCE ASSEMBLY

A. Place the appliance inside the fireplace, centering it from side to side and having a maximum space of 6" from the front of the opening to the access panel on the appliance. (Refer to page 6, figure 1.) This will ensure that adequate draft will be established when the appliance is used in a vented configuration.

B. Secure the appliance to the fireplace or enclosure bottom as appropriate for your application.

CONNECT THE GAS LINE

A. Check the gas type marking on the burner assembly to ensure it is for the type of gas you are using.

IMPORTANT: THIS APPLIANCE IS FOR USE ONLY WITH THE TYPE OF GAS AS EQUIPPED FOR FROM THE MANUFACTURER AND IS NOT CONVERTIBLE FOR USE WITH OTHER GASES.

B. Connect the flexible gas line (located on the left side of the control valve) to the previous run gas line.

C. Make certain the the control knob on the valve is in the "OFF" position.

D. Open the manual shut off valve allowing gas to flow to the valve.

E. Check all connections for leaks.

CAUTION: DO NOT USE AN OPEN FLAME TO CHECK FOR LEAKS.

F. Upon completing the installation of this appliance, it will be necessary to check the incoming and manifold pressures. Follow the lighting and shutdown instructions on pages #11-#12 of this manual and refer to page #5 for proper pressure check procedures.
This appliance includes the following logs:

(1) #548-501 Front log [A]
(1) #511-506 Top right log [C]
(1) #548-502 Back log [B]
(1) #511-507 Top left log [D]
(1) #548-503 Bark log [E]

These logs must be placed exactly as outlined in the figure below. Failure to position the logs according to their respective locations or failure to use logs specifically approved with this appliance may result in improper operation, property damage or personal injury.

LOG GRATE

NOTE: The bark log [E] must be placed between the grate (pre-installed on the appliance) and the front burner.

INITIAL BURN PERIOD

Due to the makeup of these fiber logs, the curing process may take up to 4 hours of burn time. During this period, the logs will give off a pungent odor until they are completely cured. We recommend additional ventilation be supplied during the curing period.
LIGHTING AND SHUTDOWN

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.

NOTE: Prior to lighting, check all fittings for leakage. This is accomplished by applying soapy water on all connections made. If there is any leakage, bubbles will appear at the point of connection. If bubbles occur, tighten the fittings until the bubbles no longer appear. DO NOT ALLOW SOAPY WATER TO GET INTO THE O.D.S. PILOT!

IMPORTANT: TEST ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE.

NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi.

NOTE: The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas line at test pressures equal to or less than 1/2 psi.

INLET PRESSURE TEST: The inlet pressure check point is the first tap located at the left side of the valve. Refer to page #5 for instructions.

MANIFOLD PRESSURE TEST: The manifold (outlet) pressure check point is the second tap located on the left side of the valve. Refer to page #5 for instructions.

NOTE: Read 1-8 before lighting the unit for the first time.

1. Open the control access panel.
2. Make sure the manual shut off valve is fully open.
3. Push in control knob (A) slightly and turn clockwise to "OFF".
4. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you smell gas, STOP! Follow the safety information on page #2 of this installation manual. If you don't smell gas, go to the next step.
5. Find the pilot - follow the metal tube from the gas control. The pilot is between the front and back log and may be viewed through the access hole on the right side of the front log.
6. Turn the control knob (A) counterclockwise \ to the "PILOT" position. Press in control knob for (15) fifteen seconds.

* If control knob does not pop up when released, contact a qualified service person or gas supplier for repairs.
* If pilot does not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.

7. With control knob (A) pushed in, turn control knob to (IGN) then immediately back to pilot. This will light the pilot. If needed, keep repeating this step until pilot lights. This may be viewed through the access hole in the front log.

8. Keep control knob pressed in for one (1) minute after lighting pilot. After one (1) minute, release control knob. The pilot should remain lit.

NOTE: If pilot goes out, STOP! Wait five (5) minutes before attempting to light pilot again. Repeat steps 6-8.

9. Turn control knob (A) counterclockwise \ to the "ON" position. Adjust to desired level of heat by turning knob (B).

10. Close control access panel.

CAUTION
Do not try to adjust heating levels by using the manual shut off valve!

11. If you wish to turn the burner off, turn the control knob (A) clockwise \ to the "PILOT" position. (The pilot will stay lit.)

12. If you wish to turn the pilot off, push in and turn the control knob (A) clockwise \ to the "IGN" position, release knob and continue turning clockwise \ to the "OFF" position.

DUE TO HIGH TEMPERATURES, THIS APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.

Children and adults should be alerted to the hazards of high surface temperature 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.

Clothing or other flammables should not be place on or near this appliance.
CAUTION: DO NOT USE THIS APPLIANCE IF ANY PART HAS BEEN UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE ROOM HEATER AND REPLACE THE ENTIRE CONTROL SYSTEM.

1. This appliance should be inspected at least once a year by a professional service person.

   NOTE: The appliance should be inspected before use. More frequent cleaning may be required due to excessive lint from carpeting, etc. It is imperative that control compartments, burners and circulation air passageways of the appliance be kept clean.

2. The burner must be cleaned at least once a year. The burner may be removed for easier access. Refer to page #7 for complete removal instructions.

3. Visually check the pilot light and burner when they are burning. See Figures #1 & #2. The flames should be steady, not lifting or floating.

   ! Figure 1
   ! Figure 2

IMPORTANT: ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING MUST BE REPLACED PRIOR TO OPERATING THIS APPLIANCE.

CAUTION:
THIS VALVE IS DESIGNED FOR USE ONLY WITH THE TYPE OF GAS AS EQUIPPED FOR FROM THE MANUFACTURER AND IS NOT CONVERTIBLE FOR USE WITH ANY OTHER GASES. IF THE UNIT IS NOT OPERATING PROPERLY, CONTACT YOUR DEALER FOR ASSISTANCE.

WARNING:
ANY CHANGE TO THIS APPLIANCE OR ITS CONTROLS CAN BE DANGEROUS!

WARNING: FAILURE TO POSITION THE PARTS IN ACCORDANCE WITH THE DIAGRAMS OR FAILURE TO USE ONLY PARTS SPECIFICALLY APPROVED WITH THIS HEATER MAY RESULT IN PROPERTY DAMAGE OR PERSONAL INJURY.
CAUTION: Keep the appliance area clear of combustible materials, such as gasoline and other flammable vapors and liquids.

4. Cleaning should be done when the heater is cold. Do not use any cleaning solvent / fluids to clean the logs or any other part of the appliance.

5. If the burner fails to ignite properly, it may due to particles that have accumulated in the burner port holes.

6. A vacuum cleaner may be used to clean the appliance. Remove the logs and carefully vacuum dust and loose particles from the base around the burner. Clean the logs with a soft brush. Gloves should be used when handling the logs to prevent irritating the skin.

IMPORTANT:

DO NOT OBSTRUCT THE FLOW OF COMBUSTION AND VENTILATION AIR. KEEP THE APPLIANCE CLEAR OF ALL OBSTACLES AND MATERIALS.
<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot won't light</td>
<td>Gas has not been turned on</td>
<td>Turn gas supply on</td>
</tr>
<tr>
<td></td>
<td>Air in the line</td>
<td>Open manual shut-off valve.</td>
</tr>
<tr>
<td></td>
<td>Pilot may be obstructed.</td>
<td>Purge air in the line by holding in the control knob while in the &quot;pilot&quot; position for several minutes.</td>
</tr>
<tr>
<td></td>
<td>No spark at ignitor.</td>
<td>Contact a qualified plumber to purge the air in the at the nearest connection to the unit.</td>
</tr>
<tr>
<td></td>
<td>Valve has not reset.</td>
<td>Clean out pilot opening with air. Do not use a sharp object.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Visually check for spark at ignitor.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check wire connection at pilot.</td>
</tr>
<tr>
<td>Control knob will not</td>
<td>Valve has not reset.</td>
<td>Check for pinched piezo wire either by the ODS board or pipe connection made by the plumber.</td>
</tr>
<tr>
<td>turn.</td>
<td></td>
<td>Wait for the valve to reset. You will hear a 'click' approximately one minute after pilot has been turned off.</td>
</tr>
<tr>
<td>Burner won't light</td>
<td>Pilot not lit.</td>
<td>Wait for valve to reset. You will hear a 'click' approximately one minute after pilot has been turned off.</td>
</tr>
<tr>
<td></td>
<td>Control knob has not been turn to the &quot;on&quot; position.</td>
<td>Light pilot.</td>
</tr>
<tr>
<td></td>
<td>Flame adjustment knob too low.</td>
<td>Turn control knob counter clockwise to the &quot;on&quot; position.</td>
</tr>
<tr>
<td></td>
<td>Shut valve not fully open.</td>
<td>Turn clockwise to increase flame.</td>
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<td></td>
<td></td>
<td>Check shut off valve and open.</td>
</tr>
<tr>
<td>PROBLEM</td>
<td>CAUSE</td>
<td>REMEDY</td>
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<tr>
<td>------------------</td>
<td>----------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
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<tr>
<td>Unit turns off</td>
<td>Unit has been installed in too small a room.</td>
<td>Provide additional ventilation.</td>
</tr>
<tr>
<td></td>
<td>There is a leak in the gas line or gas line connection.</td>
<td>See pages 3-4.</td>
</tr>
<tr>
<td></td>
<td>Obstruction at or near pilot.</td>
<td>Check all connections whether field or factory made for leaks.</td>
</tr>
<tr>
<td></td>
<td>Logs not positioned properly.</td>
<td>Remove any obstructions.</td>
</tr>
<tr>
<td></td>
<td>Burner and/or pilot dirty.</td>
<td>Position logs as shown on page 10.</td>
</tr>
<tr>
<td></td>
<td>O.D.S. pilot loose or out of adjustment.</td>
<td>Have burner and pilot cleaned by a qualified service technician.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check screws securing O.D.S. Pilot for tightness - DO NOT MOVE OR ADJUST THIS O.D.S. PILOT TO ANY OTHER POSITION!</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Do not place any wires or clamps on the O.D.S. pilot system.</td>
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</tbody>
</table>
The following replacement parts are available by contacting your local dealer.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>#831</td>
<td>O.D.S. BOARD ASSEMBLY - NATURAL GAS</td>
</tr>
<tr>
<td>#831-1</td>
<td>O.D.S. BOARD ASSEMBLY - LP GAS</td>
</tr>
<tr>
<td>#548-500</td>
<td>5 PC. LOG SET</td>
</tr>
<tr>
<td>#548-501</td>
<td>FRONT LOG</td>
</tr>
<tr>
<td>#548-502</td>
<td>BACK LOG</td>
</tr>
<tr>
<td>#511-506</td>
<td>TOP RIGHT LOG</td>
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<td>#511-507</td>
<td>TOP LEFT LOG</td>
</tr>
<tr>
<td>#548-503</td>
<td>BARK LOG</td>
</tr>
<tr>
<td>#547-041</td>
<td>LOG GRATE</td>
</tr>
<tr>
<td></td>
<td>DAMPER - STOP CLAMP</td>
</tr>
</tbody>
</table>

Model #548 Vented / Unvented Log Set
3/97

MANUFACTURED BY:
HUSSONG MFG., CO., INC.
204 INDUSTRIAL PARK DRIVE
LAKEFIELD, MINNESOTA 56150