ASSEMBLY & OPERATING INSTRUCTIONS

Kozy Heat

PF - 157
PATIO FIREPLACE

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

RETAIN THIS MANUAL FOR FUTURE REFERENCE

Warnock Hersey

APRIL 1997
INSTALLATION MANUAL
MODEL: PF157
PATIO FIREPLACE

This unit has been tested to and complies with AGA Requirement 5-90 "Infrared Patio Heaters", AGA Requirement 5-95 Unvented Gas-fired Room Heaters and ANSI Z21.11.2 "Unvented Room Heaters". Installation must conform with local building codes, or, in the absence of local building codes, with the National Fuel Gas Code, ANSI Z223.1 NFPA 54, or the Manufactured Home Construction and Safety Standard, Title 23 CFR, Part 3280.

**WARNING:** PORTABLE LP CYLINDER TANKS ARE PROHIBITED FROM INDOOR USE!

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 STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

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

**WARNING:**
DO NOT USE THIS HEATER TO BURN TRASH. NEVER PLACE MATCHES, PAPER, GARBAGE, OR ANY OTHER MATERIAL ON TOP OF LOGS OR INTO THE FLAMES.

**IMPORTANT:** THIS APPLIANCE MAY NOT BE USED TO PREPARE FOOD. GREASE AND/OR FOOD PARTICLES MAY FALL INTO AREAS OF THE APPLIANCE THAT WOULD INHIBIT PROPER OPERATION.

**READ ALL OF THE ENCLOSED INFORMATION BEFORE OPERATING THIS UNIT. EVERY PERSON WHO USES THIS APPLIANCE MUST UNDERSTAND AND FOLLOW CORRECT LIGHTING PROCEDURE FOR SAFE OPERATION. NOT FOR USE BY CHILDREN. HANDLE METAL PARTS WITH CARE TO AVOID INJURY.**

**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.

**IMPORTANT:** The screen installed in this appliance must be closed at all times when in operation to prevent foreign objects from entering the unit.

**CAUTION: HOT WHILE IN OPERATION**
The screen, grills and surface of this fireplace become hot while in operation. Precautions must be taken to avoid serious burns when handling.
Keep burner and control compartment clean. See installation and operating instructions.

For proper ventilation around the unit, do not obstruct the upper and lower grill openings. Air enters the unit at the lower grill and exits at the upper grill.

I. GENERAL INFORMATION

A. UNIT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height with pedestal &amp; wheels</td>
<td>38 1/4&quot;</td>
</tr>
<tr>
<td></td>
<td>with pedestal</td>
</tr>
<tr>
<td></td>
<td>w/o pedestal</td>
</tr>
<tr>
<td>Width</td>
<td>32 1/4&quot;</td>
</tr>
<tr>
<td>Depth</td>
<td>16 1/4&quot;</td>
</tr>
</tbody>
</table>

B. CLEARANCE TO COMBUSTIBLES:

<table>
<thead>
<tr>
<th>Location</th>
<th>Clearance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit top</td>
<td>2 1/2&quot;</td>
</tr>
<tr>
<td>Unit front</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Unit right side</td>
<td>5&quot;</td>
</tr>
<tr>
<td>Floor</td>
<td>0&quot;</td>
</tr>
<tr>
<td>Unit left side</td>
<td>5&quot;</td>
</tr>
<tr>
<td>Protrusion* above air discharge opening</td>
<td>18&quot;</td>
</tr>
<tr>
<td>Unit back</td>
<td>0&quot;</td>
</tr>
<tr>
<td>Protrusion* maximum depth</td>
<td>7&quot;</td>
</tr>
</tbody>
</table>

*includes mantel, shelves, soffit, overhang, etc.
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 (0-4000 FT.): 34,000 BTU's
- Input Rating (Lo setting): 22,000 BTU's
- Orifice Size: (0-4000 FT.): #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 (0-4000 FT.): 34,000 BTU's
- Input Rating (Lo Setting): 22,000 BTU's
- Orifice Size (0-4000 FT.): #50

*For purpose of minimum input adjustment.

FACTORY EQUIPPED FOR USE AT 0-4000 FT.

B. LEAK / PRESSURE TESTING

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 heater 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 #5.

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 ½ psig.

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ 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.
C. CYLINDER USAGE

1. Always use an external regulator and hose assembly included with the pedestal components package for all LP heaters to reduce the supply tank pressure to a maximum of 13" W.C. This must be used in conjunction with the regulator furnished with the heater unit. This is preset at the factory to 11" W.C. of pressure.

CAUTION: Connection directly to an unregulated LP tank can cause an explosion.

2. If you are using a 20# cylinder tank, it must be secured to the back of the fireplace with the attachment brackets included with your pedestal kit.

When using a cylinder with this patio fireplace, it must be equipped with:

   a. A pressure regulator / hose which will limit gas pressure output to not more than 13 inches water column.

   b. An integral protection collar to protect the shut-off valve.

   c. A safety relief device having direct communication with the vapor space of the cylinder.

   d. Marking to indicate D.O.T. number.


   f. A supply system arranged for vapor withdrawal.

The cylinder tank must be installed, transported and stored in an upright position and should not be dropped or handled roughly.

EXCEPT AS AUTHORIZED BY ANSI/NFPA 58, DO NOT USE OR STORE THE PROPANE - GAS SUPPLY CYLINDER INDOORS.

The following section may or may not apply to you. Check local codes for prohibitions in your area.

When the appliance is to be stored indoors, the connection between the propane gas supply cylinder and the appliance must be disconnected and the cylinder must be removed from the appliance and stored outdoors in a well ventilated space. The cylinder should never be transported or stored where the temperature can reach 125 degrees F. (Too hot to hold-for example, in a closed car trunk.)

IMPORTANT: The gas supply must be turned off at the LP gas supply cylinder when this appliance is not in use.

Refilling your propane gas cylinder - Remember that there may still be some gas in the cylinder. Always close the valve before disconnecting. Do not use a wrench as this will damage the knob and require repair by your propane dealer. Dented or rusty cylinders may be hazardous. Consult your propane dealer (listed in the yellow pages under GAS) if you are ever in doubt. The joint at which the Pol Adaptor goes into the cylinder valve MUST be leak tested with soapy water EACH time the cylinder is reconnected after being filled.

3. Connection to a remote cylinder tank must only be done by a qualified installer in accordance with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1-1992.
D. SECURING A PORTABLE LP CYLINDER TANK

If you are using the #20 LP cylinder tank, it must be secured to the stove following these instructions:

Refer to figure 1.
1. Loosen and remove the two (2) wing nuts securing the LP cylinder tank holder.
2. Remove the cylinder tank bracket and tank holder. Rotate the tank holder so cut-out portion of the holder is facing out.
3. Align the second set of slots (set farthest away from you) on the tank holder to the studs on the pedestal base and secure with the two (2) wing nuts.
4. Position cylinder tank bracket, included with the pedestal, onto the rear of the heater unit and secure with the screws provided.
5. Set the 20# LP cylinder tank on the tank holder catching the handle of the cylinder tank onto the bracket. (Attached to the rear of the heater unit.) See figure 2.

NOTE: There are three sets of alignment holes to secure the tank bracket on the rear of the heater unit. Use the set that will best accommodate the height of your LP tank. This is accomplished by removing the 2 phillips head screws securing the tank bracket. When proper position has been located, secure the tank bracket to the unit with the phillips head screws.
III. ODS BOARD

This appliance is shipped with the ODS board pre-installed at the factory.

The ODS board may only be used for the type of gas as listed and is not convertible for use with other gases.

**IMPORTANT:** All controls and valves have been pre-set at the factory. Do not attempt to adjust these settings as it may result in improper operation. If you experience any problems with this appliance please contact your dealer for specific instructions.

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**A. Removing the board:**

Refer to figure 1 below.

1. Turn off gas supply. □
2. Disconnect gas supply at the flexible gas line provided. □
3. Carefully remove the logs and set aside so they will not be broken. □
4. Loosen and remove the 2 - phillips head screws from the ODS board assembly and lift entire board up and out. □

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**B. Installing the board:**

Refer to figure 1 below.

1. Place the ODS board into the fireplace cavity, aligning the 2 holes in the ODS board with the 2 holes in the fireplace bottom. □

**CAUTION:** Before securing the board into place, make sure that all of the wires (attached under the board) are clear and unobstructed.

2. Secure with the 2 - phillips head screws. □
3. Connect gas supply at the flexible gas line. □
4. Turn on gas supply. □
5. Check all connections whether field or factory made for leaks. □
6. Light the fireplace following the instructions in the "Lighting & Shutdown" section of this manual to visually check the pilot and burner flames. □
7. Replace the logs as instructed on page #9 "Log Placement". □

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**Figure 1**

Page 6
IV. FAN WIRING

A. GENERAL INFORMATION

The following optional fan kit is available for this fireplace:

#612 Fan Includes:  
-Fan w/bracket  
-Speed control installed in water-tight electrical box  
-(2) Wing nuts  
-(2) phillips head screws

IMPORTANT: Outdoor use - The fan cord must be plugged into a GFI (Ground fault interrupt) outlet for your protection against shock hazard.

WARNING: Electrical Grounding Instructions - This heater is equipped with a three-prong (grounding) plug for your protection against shock hazard and when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI / NFPA 70-Current Edition.
B. INSTALLING THE FAN - See figure 1 below.

1. Remove the logs (if previously installed) and ODS board as described on page #6 of the installation manual. □
2. Insert entire fan assembly (A) through the hole in the firebox, aligning the fan bracket over the two (2) mounting studs (B). Secure with the (2) wing nuts (included). □
3. Mount the speed control box (C) behind the center lower grill by aligning the holes in the bracket to the holes (D) on the bottom of the firebox. Secure (from the firebox side) with the (2) phillips head screws (provided). □
4. Replace ODS board and logs following Section 'B', steps #1-#7, page #6 of the installation manual. □

C. REPLACING THE FAN - Refer to figure 1 below.

1. Remove the logs and ODS board as described on page #6 of the installation manual. □
2. Loosen and remove the 2 - wing nuts securing the fan (A). □
3. Loosen and remove the (2) phillips head screws securing the speed control (C). □
4. Lift entire fan assembly and speed control box up and out through the hole in the bottom of the unit. □
5. Insert new fan and speed control box and secure. □
7. Replace ODS board and logs following Section 'B', steps #1-#7, page #6 of the installation manual. □

IMPORTANT: Be sure fan wires are unobstructed prior to securing the board.

NOTE: The speed control knob may be accessed by opening the center lower grill. Adjust speed while fan is running.

Figure 1
V. LOG PLACEMENT

This #700-135 log set includes:

1 - #700-139 Top left log (A)
1 - #700-137 Back log (C)
1 - #700-138 Top right log (B)
1 - #700-136 Front Log (D)
1 - #700-140 Front bark log (E)

These logs are pinned and must be placed exactly as outlined in the figure below. Failure to position the logs in accordance with the diagram or failure to use logs specifically approved with this heater may result in improper operation, property damage or personal injury.

![Diagram of log placement]

NOTE: The front bark log (E) must be placed between the grate (pre-installed in the unit) and the front log (D), aligning the 'V'-grooves on the back of the log to the tabs on the ODS board.

INITIAL BURN PERIOD

Due to the make up of these unique 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 that fireplace be burned in an open area with the fan off during this period.
VI. PATIO FIREPLACE
ASSEMBLY / INSTALLATION INSTRUCTIONS

WARNING: Improper installation adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

FOR YOUR SAFETY

If you smell gas:
1. Shut off gas to the appliance
2. Extinguish any open flame.
3. If odor continues, immediately call your gas supplier.

UNIT ASSEMBLY

REMEMBER
It is your responsibility to properly assemble, install, operate and care for your patio fireplace. Failure to follow the instructions as outlined could result in serious bodily harm and/or property damage.

As you complete each step, place a check mark in the boxes provided. This will simplify finding your place again when you are ready to begin the next step.

For complete installation and assembly you should have:

☐ PF 157 Natural Gas or PF 157 LP Gas Fireplace - includes: ☐ ODS Board
☐ PF 296 Pedestal kit
☐ #619 Caster kit - includes:
A. (1) Swivel caster
B. (1) Locking swivel caster
C. (2) Fixed castors
D. (8) 1/4" locking nuts
☐ Log set (4 pc.)
☐ Screen

You will need the following:

☐ 7/16" wrench
☐ 8" adjustable wrench
☐ Phillips head screwdriver
☐ Tape measure (helpful in determining clearances)
☐ 3/4" Wrench
1. Desired location must comply with minimum clearances to combustibles as outlined on page #2.

2. Check the valve label to be certain that it is designated for your type of gas (Natural gas or LP gas). This valve is not convertible for any gas type other than as factory-equipped.

3. Remove pedestal base from box.

4. Lay pedestal base on its front and attach casters with (8) 1/4" locking nuts as shown in figure #1. 

   **NOTE:** Each caster has a designated location and must be installed exactly as shown.

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![Figure 1](image)

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6. Remove log box from heater unit and set aside for later positioning.

7. Position pedestal upright and align bottom of heater unit to the studs on the pedestal. Secure with the (4) wing nuts. See figure #1.

   **Note:** For easier access to secure the back wing nuts, the CDS board may be removed by loosening and removing the 2-Phillips head screws securing the board.
8. If a fan is desired, it cannot be properly installed unless the ODS board is removed. You should install the fan prior to replacing the ODS board. Following instructions on pages #7 & #8. □

9. Replace ODS board. (if removed in step #7) and secure with the 2-phillips head screws. □

10. Position logs in the fireplace according to instructions on page #9 of this manual. □

11. Connect gas supply. □
   a. Check all connections, whether field or factory made, for leaks. □

   **LP GAS**

   **NOTE:** All new LP tanks are empty when shipped and must be filled by your local LP dealer.

   Always use an external regulator for all LP heaters to reduce the supply tank pressure to a maximum of 13” W.C. This must be used in conjunction with the regulator furnished with the heater unit. This is preset the factory to 11” W.C. of pressure.

   **CAUTION:** Connection directly to an unregulated LP tank can cause an explosion.

   If you are using the optional 20# portable cylinder tank, it must be secured to the back of the fireplace with the tank bracket located on the rear of the unit. Refer to page #5 for further instructions.

   If connection to a remote cylinder tank is desired, installation must be done by a qualified installer in accordance with state and local codes or NFPA #58 - 1992.

   **NATURAL GAS**

   Installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1-1992.

   12. If the fan is desired, plug the three-prong fan cord into a GFI outlet. □

   13. Perform lighting & shutdown procedures as described on pages #13-14 to verify proper operation of unit. □

VII. LIGHTING & SHUTDOWN

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 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 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 #4 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 #4 for instructions.

**WARNING:** DO NOT PLACE HEAD OR BODY PARTS INSIDE THE FIREPLACE WHEN LIGHTING THE PILOT OR MAIN BURNER.

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

**IMPORTANT: MAKE SURE THE BURNER TUBE IS PROPERLY SEATED ONTO THE BURNER ORIFICE BEFORE LIGHTING THIS FIREPLACE.**

1. Open the lower grill by grasping the center of the top louver, and pull out and down.
2. Make sure the manual shut off valve is fully open.
3. Turn off all electrical power to the appliance.
4. Push in control knob (A) slightly and turn clockwise \( \Rightarrow \) to "OFF".

![Control Knob Illustration]

5. 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 & #12 of this installation manual. If you don't smell gas, go to the next step.

6. Find the pilot - follow the metal tube from the gas control. The pilot is behind the burner tube.

7. Turn the control knob (A) counterclockwise \( \Leftarrow \) 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.
8. 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.

9. Keep control knob pressed in for one (1) minute after lighting pilot. After one (1) minute, release control knob.

![Control Knob Diagram]

NOTE: If pilot goes out, STOP! Wait five (5) minutes before attempting to light pilot again. Repeat steps 5-9.

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

11. Close lower grill.

12. Turn all electrical power on.

**CAUTION**

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

13. If you wish to turn the burner off, turn the control knob (A) clockwise \(\leadsto\) to the "PILOT" position.

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

15. Turn off all electric power to the appliance if service is to be performed.

**NOTE:** A PAINT SMELL WILL OCCUR DURING THE FIRST FEW HOURS OF BURNING. IT IS RECOMMENDED TO
LEAVE THE FAN OFF DURING THIS PERIOD AS THIS WILL SPEED UP THE PAINT CURING PROCESS.

**NOTE:** 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 area as the appliance.

Clothing or other flammables should not be place on or near this appliance.
VIII. MAINTENANCE REQUIREMENTS

CAUTION: DO NOT USE THIS ROOM HEATER 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. When this appliance is used with an LP cylinder, the regulator hose must be inspected before each use of the appliance.

The hose assembly must be replaced prior to operating this appliance if there is evidence of excessive abrasion or wear, or if the hose is damaged. This may be ordered from your local dealer.

3. The compartment below the firebox (behind the lower grill) and the burner must be cleaned at least once a year. The burner may be removed for easier access. Refer to page #5 for complete removal instructions.

4. The fan should be disconnected from electrical current, removed and cleaned every six months. Refer to page #8 for complete removal instructions.

5. 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: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATIONS AFTER SERVICING.

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.

5. 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 heater.

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

7. A vacuum cleaner may be used to clean the heater. Remove the logs and carefully vacuum dust and loose particles from the base, logs and around the burner. Gloves should be used when handling the logs to prevent irritating the skin.

8. The fireplace screen may discolor after several uses. This may be repainted by using a high temperature rated paint. Four (4) ounce aerosol cans are available from your local dealer for this purpose.
## Troubleshooting

<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>No spark at ignitor.</td>
<td>Visually check for spark at ignitor.</td>
</tr>
<tr>
<td></td>
<td>LP cylinder tank empty.</td>
<td>Check wire connection at pilot.</td>
</tr>
<tr>
<td></td>
<td>LP cylinder tank regulator frozen or vapor locked.</td>
<td>Check for pinched piezo wire either by the OOS board or pipe</td>
</tr>
<tr>
<td></td>
<td>Valve has not reset.</td>
<td>connection made by the plumber.</td>
</tr>
<tr>
<td></td>
<td>Control knob will not turn.</td>
<td>Allow ample time to thaw. This can happen when the cylinder tank is 3/4</td>
</tr>
<tr>
<td></td>
<td>Valve has not reset.</td>
<td>or more empty</td>
</tr>
<tr>
<td></td>
<td>Burner won’t light</td>
<td>Wait for the valve to reset. You will hear a ‘click’</td>
</tr>
<tr>
<td></td>
<td>Pilot not lit.</td>
<td>approximately one minute after pilot has been turned off.</td>
</tr>
<tr>
<td></td>
<td>Control knob has not been turn to the “on” 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 “on” position.</td>
</tr>
<tr>
<td></td>
<td>LP cylinder tank almost empty.</td>
<td>Turn clockwise to increase flame.</td>
</tr>
<tr>
<td></td>
<td>Shut valve not fully open.</td>
<td>Fill tank.</td>
</tr>
<tr>
<td></td>
<td>Unit turns off</td>
<td>Check shut off valve and open.</td>
</tr>
<tr>
<td></td>
<td>LP cylinder tank almost empty.</td>
<td>Fill tank.</td>
</tr>
<tr>
<td></td>
<td>There is a leak in the gas line or gas line connection.</td>
<td>Check all connections whether field or factory made for leaks.</td>
</tr>
<tr>
<td></td>
<td>Obstruction at or near pilot.</td>
<td>Remove any obstructions.</td>
</tr>
<tr>
<td>PROBLEM</td>
<td>CAUSE</td>
<td>REMEDY</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>(Unit turns off cont.)</td>
<td>Logs not positioned properly.</td>
<td>Position logs as shown on page 9.</td>
</tr>
<tr>
<td></td>
<td>Burner and / or pilot dirty.</td>
<td>Have burner and pilot cleaned by a qualified service technician.</td>
</tr>
<tr>
<td></td>
<td>O.D.S. pilot loose or out of adjustment.</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>Fan does not turn on</td>
<td>Fan not plugged in.</td>
<td>Plug fan cord into properly grounded outlet.</td>
</tr>
<tr>
<td></td>
<td>No current at the outlet. (Check with a test or another appliance.)</td>
<td>Re-set circuit breaker or GFI breaker.</td>
</tr>
<tr>
<td></td>
<td>Variable speed control has not been turned on.</td>
<td>Turn counter clockwise to off then clockwise until you hear a 'click'. (Note: The fan speed is on 'high' in this position.)</td>
</tr>
<tr>
<td></td>
<td>Fan is obstructed</td>
<td>Disconnect fan from electrical current. Manually rotate fan to make sure that it moves freely.</td>
</tr>
<tr>
<td></td>
<td>Brass reflective plate has a rainbow-like effect.</td>
<td>With a flashlight, check for foreign objects. (This may require removal of the fan, refer to pages #7 &amp; #8). Remove any obstructions.</td>
</tr>
<tr>
<td></td>
<td>This is normal.</td>
<td>Have the fan inspected by a qualified electrician</td>
</tr>
</tbody>
</table>

XIII. UNIT IDENTIFICATION

PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE.

INSTALLER / HOMEOWNER: Please complete the following information prior to installation.

PURCHASE DATE: ________________________

MODEL NUMBER: ________________________

CERTIFICATION LABEL # WHI: ____________

ODS BOARD SERIAL NUMBER: ____________

Page 18
**XV. REPLACEMENT PARTS**

*The following replacement parts may be purchased from your local dealer.*

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>612</td>
<td>Fan assembly - Outdoor use.</td>
</tr>
<tr>
<td>780</td>
<td>ODS board - Natural Gas</td>
</tr>
<tr>
<td>781</td>
<td>ODS board - LP Gas</td>
</tr>
<tr>
<td>816</td>
<td>Fireplace screen</td>
</tr>
<tr>
<td>851</td>
<td>Upper Brass grill (center)</td>
</tr>
<tr>
<td>852</td>
<td>Lower Brass grill (center)</td>
</tr>
<tr>
<td>853</td>
<td>Upper / Lower Brass grill (sides)</td>
</tr>
<tr>
<td>300-613</td>
<td>4 oz. aerosol paint - Black</td>
</tr>
<tr>
<td>300-614</td>
<td>4 oz. aerosol paint - Ivory</td>
</tr>
<tr>
<td>300-615</td>
<td>4 oz. aerosol paint - Hunter Green</td>
</tr>
<tr>
<td>600-200</td>
<td>LP Regulator / hose assembly</td>
</tr>
<tr>
<td>600-202</td>
<td>11 lb. LP cylinder (empty)</td>
</tr>
<tr>
<td>600-600</td>
<td>Swivel caster</td>
</tr>
<tr>
<td>600-601</td>
<td>Rigid caster</td>
</tr>
<tr>
<td>600-602</td>
<td>Swivel caster with brake</td>
</tr>
<tr>
<td>600-675</td>
<td>Vinyl protective cover</td>
</tr>
<tr>
<td>700-135</td>
<td>5 pc. Log set</td>
</tr>
<tr>
<td>700-136</td>
<td>Front log</td>
</tr>
<tr>
<td>700-137</td>
<td>Back log</td>
</tr>
<tr>
<td>700-138</td>
<td>Top right log</td>
</tr>
<tr>
<td>700-139</td>
<td>Top left log</td>
</tr>
<tr>
<td>700-140</td>
<td>Front bark log</td>
</tr>
</tbody>
</table>

Manufactured by:

Hussong Manufacturing Co., Inc.
204 Industrial Park Drive
Lakefield, Minnesota 56150