<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAFETY REQUIREMENTS</td>
<td>2-3</td>
</tr>
<tr>
<td>POSITIONING THE UNIT</td>
<td>3-4</td>
</tr>
<tr>
<td>MINIMUM CLEARANCES</td>
<td>3</td>
</tr>
<tr>
<td>ROUGH-IN DIMENSIONS</td>
<td>4-5</td>
</tr>
<tr>
<td>FRONT FACE REMOVAL</td>
<td>5</td>
</tr>
<tr>
<td>GLASS REMOVAL</td>
<td>6</td>
</tr>
<tr>
<td>CHIMNEY INSTALLATION</td>
<td>7</td>
</tr>
<tr>
<td>FAN INSTALLATION</td>
<td>8-9</td>
</tr>
<tr>
<td>MINIMUM / MAXIMUM GAS SUPPLY PRESSURE</td>
<td>9</td>
</tr>
<tr>
<td>REGULATOR BOARD REMOVAL / INSTALLATION</td>
<td>10-11</td>
</tr>
<tr>
<td>LOG / KLINKER INSTALLATION</td>
<td>12</td>
</tr>
<tr>
<td>WALL SWITCH - REMOTE CONTROL INSTALLATION</td>
<td>13</td>
</tr>
<tr>
<td>REPLACE GLASS, FACE, INSTALL GRILLS</td>
<td>14-15</td>
</tr>
<tr>
<td>INSTALL GLASS TRIM</td>
<td>15</td>
</tr>
<tr>
<td>LIGHTING &amp; SHUTDOWN</td>
<td>16-17</td>
</tr>
<tr>
<td>CLEANING &amp; MAINTENANCE REQUIREMENTS</td>
<td>17-18</td>
</tr>
<tr>
<td>TROUBLE SHOOTING</td>
<td>19-20</td>
</tr>
<tr>
<td>PARTS LIST</td>
<td>21</td>
</tr>
</tbody>
</table>
IMPORTANT:

READ THIS MANUAL BEFORE INSTALLING AND USING THIS FIREPLACE

GAS FIREPLACE MODEL SUNDANCE II
INSTALLATION INSTRUCTIONS

INSTALLATION AND/OR REPAIR OF THIS UNIT SHOULD ONLY BE DONE BY A QUALIFIED INSTALLER.

This appliance has been tested to and complies with ANSI Z21.50b-1990, and CAN-2.22-M86. Installation must conform with local building codes, or, in the absence of local building codes, with the national fuel gas code, ANSI Z223.1-1992 NFPA 54(88), or the Canadian CAN1-B149 Installation Code.

FOR YOUR SAFETY

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

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance
- Open windows
- Extinguish any open flame
- 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.

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 any part of the control system and any gas control which has been under water.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual for assistance. For additional information consult a qualified installer, service agency or the gas supplier.

Page 2
WARNING: DO NOT REPLACE THIS BURNER UNIT WITH ANY OTHER SIZED BURNER. REPLACEMENT WITH AN UNAUTHORIZED BURNER CAN RESULT IN TEMPERATURES EXCEEDING THE LIMITS FOR THIS UNIT, AND VOID YOUR WARRANTY.

This appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

WARRANTY: Please complete warranty card (included with this installation packet) information prior to installation of the unit. Warranty information is located behind the lower grill, on certification tag. This warranty card must be returned to the manufacturer to validate your warranty within 30 days of purchase.

IMPORTANT: FACING MATERIAL MAY BE APPLIED OVER THE FACE OF THESE UNITS. TO PREVENT THE FACE MATERIAL FROM CRACKING AND FALLING OFF DUE EXPANSION OF THE UNIT WHEN HEATED, DO NOT ATTACH FACING MATERIAL DIRECTLY TO THE FACE OF THE UNIT.

A) POSITION THE UNIT. See figure 1.

1. Determine the exact position of your fireplace. Determine the width and depth of the (optional) hearth.

2. The unit may be installed on either an exterior or interior wall. Figure 1 shows various installation options.

CAUTION: COLD AIR TRANSFER AREA. If your fireplace is installed on an outside wall, the surrounding wood chase must be insulated to prevent cold air from entering the room.

NOTE: Due to high temperatures, this unit should be located out of traffic areas and away from furniture and draperies.

3. Minimum clearance to combustibles, see also Figure 1.

<table>
<thead>
<tr>
<th>From unit sides, back &amp; top:</th>
<th>0&quot; (0 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit glazing to adjacent wall:</td>
<td>12&quot; (305 mm)</td>
</tr>
<tr>
<td>To flooring:</td>
<td>0&quot; (0 mm)</td>
</tr>
<tr>
<td>From flue vent:</td>
<td>1&quot; (.25 mm)</td>
</tr>
<tr>
<td>From heat outlet to mantel:</td>
<td>12&quot; (305 mm)</td>
</tr>
</tbody>
</table>

NOTE: Even though the minimum clearance from the sides and top is 0", we recommend that you allow an expansion space of 1/4" from sides and top to prevent cracking of face materials due to expansion of the unit during heating. If expansion room is not left, the unit will make a loud "banging" noise when it heats up or cools down.
4. Rough in the wall enclosure. For minimum dimensions, see Figure 2. Build the hearth to the desired size, and height.
NOTE: When the unit is installed directly on carpeting, tile, or other combustible materials other than wood flooring, it must be installed on a metal or wood panel extending the full width and depth of the unit. The minimum for the support platform under the unit is 20" (508 mm) deep by 38" (965 mm) wide. If masonry is to be used (optional), prepare the necessary foundation for the masonry load. When masonry construction is being used, a lintel must be used over the top of the unit to support the added weight.

NOTE: A hearth is not required. If a hearth is desired, combustible materials may be used.

NOTE: Provide for a minimum of 6" (152 mm) or clearance in front of the lower grill. This will provide adequate space for opening to light the fire.

**Do not obstruct the upper and lower grill areas to allow proper ventilation air around the unit. Air enters the unit at the lower grill, and exits at the upper grill. Do not block this passage.**

**B) REMOVE THE FRONT FACES. See Figure 3.**

1) Place the unit into position.
2) Loosen, but do not remove, the two 1/4" bolts (A) with a 7/16" wrench.
3) Remove the two 1/4" nuts (B) and slide the face off.
4) Repeat steps 1-3 for remaining face.

![FIG. 3](image-url)
NOTE: FACING MATERIAL MAY BE APPLIED OVER THE FACE OF THESE UNITS. TO PREVENT THE FACING MATERIAL FROM CRACKING AND FALLING OFF DUE TO EXPANSION OF THE UNIT WHEN HEATED, DO NOT ATTACH FACING MATERIAL DIRECTLY TO THE FACE OF THE UNIT.

C) REMOVE THE GLASS FRONT. See Figure 4.

1) Loosen, but do not remove the bottom clip.
2) Loosen, and remove the brass frame clip, top glass clip and screws.
3) Place both hands around the glass, and lift up and out.
4) Place the glass aside where it will not be broken.

NOTE: Do not remove the gasket material around the glass.

5) Remove the box of logs from the unit and set aside.
6) Repeat steps 1-4 for remaining glass.

Figure 4
D) INSTALL THE CHIMNEY SYSTEM. See Figure 5.

WARNING: THIS GAS APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING ANOTHER TYPE OF APPLIANCE.

NOTE: A draft hood is included as part of this unit. No other draft hood should be used.

IMPORTANT: The chimney must be a minimum of 3' above the roof line with a minimum of 2' above the 10' horizontal line from the roof. See figure 5.

Class "B" - 4" flue vent is required for this unit. Follow the vent pipe manufacturers instruction or NFPA (ANSI Z223.1-1988) for proper installation. Also, see Figure 5 for minimum clearances to roof.

Figure 5
E) INSTALL THE #605 FAN KIT (optional).
See Figure 6.

INSTALLATION OF THIS KIT SHOULD BE DONE ONLY BY A QUALIFIED INSTALLER.

NOTE: If a fan is going to be installed, the wiring must be done prior to enclosing the sides of the unit.

Your optional fan kit includes:

1. Fan assembly with 2-100 CFM fans already mounted
2. Speed Control
3. Component Package includes: Receptacle, 2" cover, fan temperature switch assembly, 2 nuts.

NOTE: Code approved line voltage wiring 16 gauge or better must be used when wiring this system.

The fan may be run with or without the temperature switch assembly. If the temperature switch is desired, simply unplug the BLUES male/female disconnect (3) and plug the matching terminals of the limit switch together.

NOTE: Place the temperature switch (4) (magnet attached) on the bottom of the unit, approximately in the middle.

1. Place fan (1) over mounting studs (2).
2. Place nuts on mounting studs and tighten.
3. Mount the On/Off speed control on a wall.
4. Snap the receptacle into the cover.
5. Insert 115V wiring (with ground) through the romex connector installed in the electrical box installed in the side of the unit, and wire to the receptacle.
6. Place the cover on the box and secure with the screws.
7. Plug fan cords (5) together.
8. Plug cord (5) into fan receptacle.
9. Turn on/off speed control clockwise slightly until it clicks.

Figure 6
**Note:** The fan will not operate unless the speed control has been turned on. If the temperature switch is used the fan will not turn on until sufficient heat is applied to the thermostatic control switch (4). The fan will turn on and off automatically when the fireplace heats and cools. Adjust fan to desired speed while it is running.

**NOTE:** This appliance, when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NEPA 70-1990, or the Canadian Electrical Code, CSA C22.1.

---

**F) RUN THE GAS LINE.** See Figure 7.

**CAUTION:** Installation of the gas line must only be done by a qualified person in accordance with local building codes.

**NOTE:** The gas line should be run to the point of connection where the regulator board fittings will attach.

1. Run the gas line. An accessible shut off valve must be installed up stream from the regulator.

**NOTE:** Do not run the incoming gas line in a manner that would obstruct the operation or removal of the fan.

**Natural Gas Only:**

The minimum inlet gas supply pressure is 4.5 inches W.C. (1.12 kPa)
The maximum inlet gas supply pressure is 10.5 inches W.C. (2.61 kPa)

**Sundance II**

Rating: 0-2000 Ft. = 34,000 BTU's
Orifice: 34 DMS
Rating: 2000-4000 Ft. = 31,000 BTU's
Orifice: 36 DMS

**LP Gas Only:**

The minimum inlet gas supply pressure is 10.0 inches W.C. (2.53 kPa)
The maximum inlet gas supply pressure is 13.0 inches W.C. (3.23 kPa)

**Sundance II**

Rating: 0-2000 Ft. = 34,000 BTU's
Orifice: 50 DMS
Rating: 2000-4000 Ft. = 31,000 BTU's
Orifice: 51 DMS

**NOTE:** This unit is factory equipped for use at 0-2000 Ft. Altitude. For high altitude installations consult the local gas distributor or the authority having jurisdiction for proper rating methods.

Page 9
2. This unit is designed to accept either a 3/8" or 1/2" gas line approved for gas appliances. Consult local building codes to properly size the gas supply line leading to a 3/8" reduction. Also, see the chart below for proper supply line sizing.

3. A gas line knockout is positioned on either side of the unit for gas line connection.

4. Attach the proper fittings to the inlet of the regulator for easier installation.

5. Complete installation of the gas line.

**Tubing size** | **Maximum run**
--- | ---
3/8" | 10'
1/2" | 70'
5/8" | 100'
3/4" | 125'

**SOLUTION TO EXAMPLE:**

1. Maximum demand for outlet "A" is 30 CFH
2. Maximum demand for outlet "B" is 25 CFH
3. Maximum demand for outlet "C" is 75 CFH
4. Maximum demand for outlet "D" is 136 CFH

**TOTAL DEMAND**

266 CFH

2. The length of pipe from the gas meter to the most remote outlet (outlet "A") is 60'.

**THIS IS THE ONLY DISTANCE USED.**

3. Using horizontal line marked 60'. Outlet "A" supplying 30 cubic feet per hour requires 1/2 inch pipe. Outlet "B" supplying 25 cubic feet per hour requires 1/2 inch pipe. Section 1 supplying outlets "A" and "B", 55 cubic feet per hour requires 1/2 inch pipe.

**Figure 7**

**G) REGULATOR BOARD REMOVAL / INSTALLATION.** See Figure 8, page 11.

**NOTE:** This unit is shipped from the manufacturer with the regulator board already installed. Follow the procedures below should the regulator board need replacing or is removed for servicing.

**REGULATOR BOARD REMOVAL.** See figure 8, page 11.

1. Shut off the gas supply at the manual shut-off valve.
2. Disconnect flexible gas line tube from the manual shut-off valve.
3. Loosen and remove the six (6) 1/4" nuts (A) and, while grasping the board, gently lift it off the six (6) bolts and remove from unit.
Figure 8

REGULATOR BOARD INSTALLATION. See figure above.

1. Grasp the board with both hands and place into the unit, lining up the six (6) 1/4" holes.

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

2. Attach the 1/4" nuts (included with the board assembly).

3. Connect the flexible gas tubing to the manual shut-off valve.

4. Place burner tube (3) over orifice. Make sure that it is positioned properly.

5. Check all connections for leaks.

**IMPORTANT:** ALL CONNECTIONS / JOINTS, WHETHER FIELD OR FACTORY MADE, MUST BE CHECKED FOR LEAKS.
H) LOG INSTALLATION. See Figure 9.

This log set includes:
1. #700-152 Front Log "A"
2. #742-502 Back Log "B"
3. #742-503 Burnt-end Log "C"
4. #700-138 Sm. Y Log "D"
5. #700-139 Sm. Knot Log "E"
6. #700-154 Top Y Log "F"
7. #744-501 Bark Log "G"

Figure 9

1. Set log "A" in place between the center and front burner tubes.
2. Place log "B" between center and back burner tubes, with cut-out portion aligned behind pilot assembly.
3. Place remaining logs (C, D, E, & F) over the front & back logs as shown in the above diagram.
4. Set the bark logs ("G") upright in front of the front & back burner tubes so the bark logs rest on the floor of the firebox and is positioned in front of the burner tubes.

INITIAL BURN PERIOD

Due to the make up 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 strong odor and will discolor. Once the curing process is complete, the true color of the logs will return and the odor will not re-occur. Do not burn this fireplace without the glass properly in place.
I) WALL SWITCH - REMOTE INSTALLATION (optional). See Figure 10.

CAUTION: DO NOT CONNECT HIGH VOLTAGE WIRE TO THE SWITCH

1. If desired, a wall switch, or remote control unit may be used to turn the unit on and off.

NOTE: Installation of a wall switch should be only be done by a qualified installer.

2. Run low-voltage (thermostat) wire from the on/off switch, to the desired location of the wall switch. Do not run wire more than 30'.

NOTE: If too heavy of wire is used or run more than 30', the electricity generated by the unit's generator will not be enough to make the regulator work properly. The pilot may light, but will go out when the burner is turned on.

NOTE: If using a remote control, a 9-volt battery is required in the receiver as well as the sender. No high voltage is required. Follow installation instructions included with the remote control package.

For the remote to work properly, the on/off switch must be in the "on" position and the switch on the remote set to "remote". To use the remote, point the transmitter at the receiver and hold down button several seconds.

Figure 10
J) COMPLETE THE INSTALLATION

1. Complete the fireplace walls, and the unit facing.

CAUTION: The surrounding wood chase of the outside wall MUST be insulated to prevent cold air from entering the room.

2. Replace the glass. Refer also to Figure 4.
   a) Place the glass on the lower clip.
   b) Replace the top clip. Do not screw the clip down tight at this time.
   c) Make certain the glass is in a level position.
   d) Tighten all clip screws.
   e) Repeat steps "a" through "d" for remaining glass.

3. Replace the face.
   a) Slide the face onto the unit and replace the 2-1/4" nuts.
   b) Adjust to level.
   c) Tighten the bolts with a 7/16" wrench.

4. Install the grills.

   Note: Model 742 comes with the upper and lower grills already installed. Follow these instructions if they were removed for installation.

   Upper grills
   a) Line the rods of the grill(s) up with the upper holes.
   b) Place the rods in the holes and push up until the bottoms of the rods clear the face.
   c) Place the bottom of the rod into the lower hole and release. The grills will set down into place.

   Lower grills- See Figure 11
   a) The lower grill is attached to the hinges (A) located at the bottom of your unit.
      Note: Be sure that the 1/4" spacer is in place on the bolt (C).
   b) Slip the bolt through the hinge (A).
   c) Attach the 1/4" nut (B).
   d) Repeat "a" through "d" for remaining hinge.

The grill is now in place. The grill may be lowered for lighting purposes, etc.
5) Install the decorative glass trim. See figure 12

a) Loosen the top glass clip screws and place the frame clip over the top glass clip as shown.

b) Tighten screws.

c) Place trim over the outer perimeter of the glass, catching the top trim clip and secure to outer perimeter of the glass with magnets (pre-installed at the factory).

Figure 11

Figure 12
K) **LIGHTING AND SHUTDOWN.** See Figure 13.

**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.

---

**IMPORTANT: TEST ALL CONNECTIONS WHETHER FIELD OR FACTORY MADE.**

**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 psig (3.5 kPa).

An 1/8 inch N.P.T. plugged tap is located on the right side of the regulator, (see Figure 15) immediately upstream of the gas supply connection to the appliance. This is used for test gauge connection.

**NOTE:** Read 1-7 before lighting the unit for the first time.

1. Open the lower grill by grasping the center of the top louver, and pull out and down.
2. Turn off all electric power to the appliance.
3. Push in control knob (A) slightly and turn clockwise to "OFF".

![Gas control knob shown in "on" position](image)

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

4. Wait five (5) minutes to clear out any gas. If you then 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 metal tube from gas control. The pilot is behind the burner tube.
6. Turn knob on gas control counterclockwise to "PILOT".
7. Push in control knob all the way and hold in. Press the RED igniter button (C). The pilot will generally light with two or three pushes on the igniter. Hold the knob in for about one (1) 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 through 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.
8. Turn gas control knob counterclockwise to "ON".
9. Flip the on/off switch (B) to the "on" position, the red is exposed.

**NOTE:** When the unit is initially lit, condensation will appear on the glass, this is normal in all gas fireplaces, and will disappear in one to three minutes.
10. If you wish to turn the burner off, flip the on/off switch to off. If a wall switch has been installed, simply turn it off.

**NOTE:** The pilot will stay lit.
11. To turn off the pilot, push in and turn the knob to the "OFF" position.
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: Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

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 room as the appliance.

Clothing or other flammable material should not be placed on or near the appliance.
L) MAINTENANCE REQUIREMENTS

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

**NOTE:** INSTALLATION AND REPAIR SHOULD BE DONE ONLY 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 ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATION AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

2. The compartment below the firebox (behind the lower grill) must be cleaned at least once a year, more frequent cleaning may be required due to excessive lint from carpeting, or other fibrous materials. It is imperative that the burner be cleaned once a year.

3. The fan should be disconnected from electrical current, removed, and cleaned every six months. The bearings are sealed and require no oiling.

4. Yearly examination of the venting system by a qualified agency is required. First, remove the glass on the front of the unit. The burner should be covered or removed.

5. Annual cleaning of the burner is required. The burner may be removed for easier access. Visually check for blocked port holes, especially near the pilot. Blocked port holes may cause a delayed ignition. See Figure 9.

6. Visually check the pilot light and burner when they are burning. See Figure 14. The flames should be steady, not lifting or floating.

7. Clean glass only when cool and only with non-abrasive cleansers.

![FIG. 14](image)

**CAUTION:** Do not operate this appliance without the glass enclosure in place. Replace with Kozy Heat replacement glass #700-007. DO NOT OPERATE THIS APPLIANCE WITH BROKEN GLASS.

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

**CAUTION:** Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. VERIFY PROPER OPERATION OF UNIT AFTER SERVICING.

**CAUTION:** Keep the appliance area clear of combustible materials, such as gasoline and other flammable vapors and liquids.
TROUBLE SHOOTING GUIDE

NOTE: The regulator board includes the following items: Regulator with adjustable high / low, generator, pilot, piezo, electrode, rocker switch, burner, orifice and orifice holder. If any of these items are defective, contact your dealer for the appropriate repair / replacement procedures to follow.

WARNING: DO NOT ATTEMPT TO SERVICE THIS UNIT IF YOU ARE NOT A QUALIFIED INSTALLER OR REPAIRMAN.

1. If the unit fails to ignite a qualified service person should check the unit installation.

2. It is imperative that the control compartment, burner and circulation air passageways of the unit be kept clean. This is necessary to provide adequate combustion and ventilation air.

3. All of the working parts of this unit can be removed at one time. Before removing regulator board, check for loose wires.

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot won't light</td>
<td>Gas shut off</td>
<td>Turn Gas On</td>
</tr>
<tr>
<td></td>
<td>Gas line not bled out</td>
<td>Hold valve knob in long enough to bleed out line.</td>
</tr>
<tr>
<td></td>
<td>Not holding regulator valve</td>
<td>Hold in longer</td>
</tr>
<tr>
<td></td>
<td>in long enough</td>
<td></td>
</tr>
<tr>
<td>Pilot won't stay lit</td>
<td>Not holding pilot button in</td>
<td>Hold button in longer to heat generator</td>
</tr>
<tr>
<td></td>
<td>long enough</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Generator wires loose at</td>
<td>Reposition wire and tighten screws. See Figure 15 for wiring instructions.</td>
</tr>
<tr>
<td></td>
<td>regulator terminals</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Generator wire grounded out</td>
<td>Nut on regulator board may need loosening to remove pinched wire.</td>
</tr>
<tr>
<td></td>
<td>due to pinching of wires</td>
<td></td>
</tr>
</tbody>
</table>

Figure 15

WARNING: DO NOT CONNECT HIGH VOLTAGE TO THIS SYSTEM.
<table>
<thead>
<tr>
<th><strong>PROBLEM</strong></th>
<th><strong>CAUSE</strong></th>
<th><strong>SOLUTION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>No spark when piezo button is depressed</td>
<td>The nut which holds the piezo in place is loose</td>
<td>Tighten nut.</td>
</tr>
<tr>
<td></td>
<td>Wire on back of piezo button is loose or off</td>
<td>Put wire back into place.</td>
</tr>
<tr>
<td></td>
<td>Wire from piezo to electrode is loose at electrode</td>
<td>Reconnect wire.</td>
</tr>
<tr>
<td></td>
<td>Electrode moved out of position</td>
<td>Realign electrode with 1/8&quot; space between it and pilot.</td>
</tr>
<tr>
<td>Burner won't light</td>
<td>Pilot not lit</td>
<td>Relight pilot.</td>
</tr>
<tr>
<td></td>
<td>Regulator valve not turned</td>
<td>Turn valve to &quot;on&quot;.</td>
</tr>
<tr>
<td></td>
<td>Rocker switch not turned</td>
<td>Press bottom of switch exposing the &quot;Red&quot; or &quot;on&quot; indicator.</td>
</tr>
<tr>
<td></td>
<td>Rocker switch wire not connected</td>
<td>Check wiring diagram Figure 16 and ensure that all wires are secure.</td>
</tr>
<tr>
<td></td>
<td>Remote control not connected properly or turned to wrong setting. See Figure 10.</td>
<td>Connect properly or disconnect and use on/off switch only.</td>
</tr>
<tr>
<td>Burner won't stay lit</td>
<td>Wall switch wire too thick or run more than 30 ft.</td>
<td>Disconnect wall switch wires. If burner stays lit, change location of wall switch or use on/off switch only.</td>
</tr>
</tbody>
</table>

**Figure 16**

![Diagram of wiring system](image)

**WARNING! DO NOT CONNECT HIGH VOLTAGE TO THIS SYSTEM**
**REPLACEMENT PARTS**

Replacement parts may be purchased through your local dealer. Please contact them for availability and pricing.

<table>
<thead>
<tr>
<th>PART #</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>404-4</td>
<td>Limit Switch Assembly</td>
</tr>
<tr>
<td>605</td>
<td>Fan kit (optional)</td>
</tr>
<tr>
<td>617</td>
<td>44&quot; Lintel Iron</td>
</tr>
<tr>
<td>753</td>
<td>Black Upper Grill</td>
</tr>
<tr>
<td>754</td>
<td>Black Lower Grill</td>
</tr>
<tr>
<td>756</td>
<td>Brass Upper Grill</td>
</tr>
<tr>
<td>757</td>
<td>Brass Lower Grill</td>
</tr>
<tr>
<td>785</td>
<td>Outside Air kit (optional)</td>
</tr>
<tr>
<td>790</td>
<td>Brass face trim (3 pc.)</td>
</tr>
<tr>
<td>792</td>
<td>Brass face trim (4 pc.)</td>
</tr>
<tr>
<td>795</td>
<td>Remote Control</td>
</tr>
<tr>
<td>815</td>
<td>Fireplace Screen</td>
</tr>
<tr>
<td>500-111</td>
<td>Grill Spring</td>
</tr>
<tr>
<td>600103</td>
<td>100 CFM Fan</td>
</tr>
<tr>
<td>600102</td>
<td>Speed Control</td>
</tr>
<tr>
<td>700005</td>
<td>Brass Glass Frame</td>
</tr>
<tr>
<td>700006</td>
<td>Sun Dance Glass Gasket</td>
</tr>
<tr>
<td>700007</td>
<td>17&quot; x 30&quot; Standard Glass</td>
</tr>
<tr>
<td>700009</td>
<td>17&quot; x 30&quot; Oval Beveled glass</td>
</tr>
<tr>
<td>700010</td>
<td>17&quot; x 30&quot; Paneled Beveled glass</td>
</tr>
<tr>
<td>700032</td>
<td>Piezo Ignitor</td>
</tr>
<tr>
<td>700033</td>
<td>On/Off Toggle Switch</td>
</tr>
<tr>
<td>700034</td>
<td>1/2&quot; Gas Valve</td>
</tr>
<tr>
<td>700036</td>
<td>Millivolt Generator</td>
</tr>
<tr>
<td>700037</td>
<td>Pilot with Electrode</td>
</tr>
<tr>
<td>700039</td>
<td>Adj. Hi / Lo Regulator-Natural Gas</td>
</tr>
<tr>
<td>700040</td>
<td>Adj. Hi / Lo Regulator-LP Gas</td>
</tr>
<tr>
<td>700062</td>
<td>Brass frame trim clip</td>
</tr>
<tr>
<td>700203</td>
<td>Manual Shut-off Valve</td>
</tr>
<tr>
<td>700213</td>
<td>18&quot; flexible gas line</td>
</tr>
<tr>
<td>700220</td>
<td>3/8&quot; flexible tube (valve to orifice connection)</td>
</tr>
<tr>
<td>741002</td>
<td>Sun Dance Outer Face</td>
</tr>
<tr>
<td>741004</td>
<td>Glass clip</td>
</tr>
<tr>
<td>742101</td>
<td>742 Burner Tube</td>
</tr>
<tr>
<td>742500</td>
<td>742 6 pc. Log Set w/ 2 burner bark</td>
</tr>
</tbody>
</table>

Manufactured by: Hussong Mfg. Co. Inc. 264 Industrial Park Drive Lakesfield, MN 56150

742 Revised 5/96