CAUTION
DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand, and follow these instructions for safe installation and operation.

WARNING
If you smell gas:
- Shut off gas to the appliance
- Extinguish any open flame.
- If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

WARNING
Do not store or use gasoline, or other flammable vapors and liquids, in the vicinity of this or any other appliance. An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING: For outdoor use only

DANGER
This appliance can produce carbon monoxide which has no odor.

Using it in an enclosed space can kill you.
Never use this appliance in an enclosed space such as a camper, tent, car, or home.

WARNING
CARBON MONOXIDE HAZARD

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

WARNING
Gas-Fired

HOT! DO NOT TOUCH.
SEVERE BURNS MAY RESULT.
CLOTHING IGNITION MAY RESULT.

Glass and other surfaces are hot during operation and cool-down.

- Young children should be carefully supervised when they are in the area of the appliance
- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition
- Clothing or other flammable materials should not be hung from the appliance or placed on or near the appliance.

Any guard or other protective device removed for servicing the appliance shall be replaced prior to operating the appliance.

User Manual for: WV-56-BLK-DIY burner

www.outdoorrooms.com

42448 The Wave Burner Series REV C 8-20-18
Read this manual before installing or operating this appliance. Please retain this owner’s manual for future reference.

Congratulations

Congratulations on selecting an Outdoor GreatRoom Company Crystal Fire™ decorative gas appliance. The burner you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a Crystal Fire™ gas burner, you’ll want to read and carefully follow all of the instructions contained in this owner’s manual. Pay special attention to all cautions and warnings.

This owner’s manual should be retained for future reference. We suggest you keep it with other important documents and product manuals.

This information contained in this owner’s manual, unless noted otherwise, applies to all models and gas control systems.

Your new burner will give you years of durable use and trouble-free enjoyment.

Homeowner Reference Information

Model name:______________________________ Date of purchase/installation________

Serial Number:__________________________ Location on appliance:_________________

Dealer purchased from:_____________________ Dealer Phone:________________________

Notes:______________________________________________________________________

___________________________________________________________________________

We recommend that you record the following pertinent information about your appliance

Listing Label Information/Location

The model information regarding your specific appliance can be found on the rating plate attached to your burner via a metal chain. See the sample rating plate at right for locations of specifications.
Table of Contents

1. Listing and Code Approvals
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   b. BTU Specifications

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   b. Tools and Supplies Required
   c. Inspect the Appliance and Components

3. Framing and Clearances
   a. Clearance to Combustibles
   b. Burner Dimensions
   c. Framing Enclosure for LP Gas Supply System

4. Setting up your Burner
   a. Burner Assembly
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   c. Igniter Installation and Grounding

5. Gas Hookup and Information
   a. Fuel
   b. Gas Pressure
   c. Gas Connection
   d. LP Gas Supply
   e. Gas Setup for Liquid Propane
   f. Gas Setup for Natural Gas

6. Lighting and Operation

7. Finishing

8. Troubleshooting

9. Service and Maintenance

10. Reference Materials
    a. Service Parts list
    b. Limited one-year warranty

What's included…

- Burner assembly
- Manifold Kit ((X3)16.5” and (X1) 22.5” flexible stainless steel gas lines, ½” flare cross)
- Piezoelectric igniter
- #43 Orifice (x3)(LP)
- #17 Orifice (x3) (NG)
- 3 bags of decorative onyx glass
- Key Valve
- Glass Guard kit

Installation and repair should be done by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that the control compartment, burners, and circulating air passageways of the appliance are kept clean.
A. Appliance Certification

MODEL: WV-56

LABORATORY: Underwriters Laboratories, Inc. (UL)

TYPE: Decorative Gas-Fired Outdoor Fireplace


The Crystal Fire has been tested in accordance with ANSI Z21.97-2014 and CSA 2.41-2014 for Canada and has been listed by Underwriters Laboratory (UL) for installation and operation as described in these installation and operating instructions.

The installation must conform with local codes or, in the absence of local codes, ANSI Z223.1 * NFPA 54 National Fuel Gas Code – Natural Gas and Propane Installation Code, CSA B149.1 – or Propane Storage and Handling Code, CSA B149.2

B. BTU Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Orifice Size</th>
<th>Max input BTU</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LP</td>
<td>NG</td>
</tr>
<tr>
<td>WV-56</td>
<td>#43</td>
<td>#17</td>
</tr>
</tbody>
</table>

WARNING: This product can expose you to chemicals including Carbon Monoxide and Benzene which are known to the State of California to cause cancer or birth defects or reproductive harm. For more information, visit www.P65Warnings.ca.gov
Getting Started

This appliance is a Decorative Gas Appliance for OUTDOOR USE ONLY and MUST NOT be used for cooking.

Place the burner on a flat and stable surface in an outdoor location such as a patio or deck. This location must be adjacent to the gas supply line or LP gas supply cylinder. DO NOT locate the appliance where it will get excessively wet or submerged in water.

A. Design and Installation Considerations
When planning an appliance installation, it’s necessary to determine the following information before installing:

- Where will the appliance be installed? See section 3
- Gas supply piping. See section 4
- Framing and finishing details. See sections 3,7

B. Tools and Supplies Required
Before beginning the installation, be sure that the following tools and supplies are at hand.

- Gloves
- Safety Glasses
- Phillips screwdriver
- Non-corrosive leak-check solution
- Wrenches
- 1 AAA battery

C. Inspect the Appliance and Components

- Inspection of appliance and components for damage. Damaged parts may impair safe operation.
  - Do NOT install damaged, incomplete, or substitute components.
  - Report damaged parts to your dealer.

- Carefully remove all burner components from packaging.
- Read all instructions before beginning installation. Follow these instructions carefully during installation to ensure maximum safety and benefit.

WARNING
- Asphyxiation Risk
  - This gas appliance is for outdoor use in a well-ventilated space.
  - This unit must not be installed inside an enclosed structure or unvented appliance.

- Do NOT use this appliance if any part of it has been underwater. Have a qualified service technician inspect the appliance and replace any part of the control system and any gas control which has been underwater.

WARNING
- Sharp Edges
  - Wear protective gloves and safety glasses during installation.

- Do not burn solid fuels in this gas appliance.

WARNING
- The Outdoor GreatRoom Company disclaims any responsibility for, and the warranty will be voided by, the following actions:
  - Installation and use of any damaged components.
  - Modification of the burner assembly
  - Installation other than as instructed by the Outdoor GreatRoom Company.

  Any such action may cause a fire hazard.
A. Clearance to Combustibles

Note:

- Illustrations reflect typical installations and are **FOR DESIGN PURPOSES ONLY**.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

---

**WARNING**

**Fire Risk**

Provide adequate clearance:

- Around air openings
- For service access.

Locate appliance away from traffic areas.

---

If you are not using an Outdoor GreatRoom Company table with this burner, be sure to mount to a non-combustible surface maintaining at least 8” to combustible surfaces and framing below the surface of burner.

**Figure 3.1** Clearances to Combustibles
B. Burner Dimensions

![Burner Diagram]

C. Framing Enclosure for LP Gas Supply System

If you build an enclosure for an LP gas cylinder, follow these recommended specifications and local codes:

Ventilation

Enclosures must be ventilated by openings at the level of the cylinder valve and at floor level. Effectiveness must be determined with the cylinder(s) in place.

- One side of the enclosure must be completely open or,
- For an enclosure having four sides, a top and a bottom:
  - At least two ventilation openings at cylinder valve level shall be provided in the side wall, equally sized, spaced at 180 degrees (3.14 rad), and unobstructed. Each opening must have a total free area of not less than 1/2 square inch per pound (3.2 sq. cm/kg) of stored fuel capacity and not less than a total free area of 10 square inches (64.5 sq. cm).
  - Ventilation opening(s) must be provided at floor level and shall have a total free area of not less than 1/2 square inch per pound (3.2 sq. cm/kg) of stored fuel capacity and not less than a total free area of 10 square inches (64.5 sq. cm). If ventilation openings at floor level are in a side wall, there must be at least two openings. The bottom of the openings must be at floor level and the upper edge can’t be more than 5 in. (127 mm) above the floor. The openings must be equally sized, spaced at 180 degrees (3.14 rad) and unobstructed.
  - Every opening must have minimum dimensions to permit the entrance of a 1/8 inch (3.2 mm) diameter rod.

If using an LP-gas supply cylinder, it must be:
- Constructed and marked in accordance with the U.S. Department of Transportation (DOT) Specifications for LP-Gas Cylinders, or the standard for Cylinders, Spheres and Tubes for Transportation of Dangerous Goods and Commission, CAN/CSA-B339, as applicable;
- Provided with a listed overfilling prevention device;
- And provided with a cylinder connection device compatible with the connection for the appliance.
4 Setting up your Burner

A. Burner Assembly

All Models

- Check for damage. Do not use damaged components.
- The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if the hose is damaged. The replacement hose assembly specified by the manufacturer.
- The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged. The replacement burner assembly specified by the manufacturer.
- Position the assembly in the desired location. This location must be adjacent to the gas supply line. You must have easy access to the gas valve control knob after it is installed and connected to the gas supply because the ON/OFF gas valve is used to turn the burner on and off.

LP Gas Models (use with a 20lb tank not recommended)

- Make sure the tank valve is turned completely off (clockwise).
- Ensure the tank valve has the proper external mating threads (tank valve marked “USE WITH TYPE 1”).
- Inspect the hose shipped with the appliance for any damage. Do not use if there is evidence of damage.
- Connect the end of the hose onto the ON/OFF gas valve of the appliance. Make sure it is secured tightly.
- Connect the regulator assembly to the tank valve. Hand-tighten only (clockwise). Do not use a wrench to tighten! Use of a wrench may damage the quick closing nut and result in a hazardous condition.
- Position the hose out of pathways where people might trip over it or in areas where the hose might be subject to accidental damage.

B. Glass Installation

Spread glass out evenly over burner area. Use all glass provided for best effect. Keep glass clear of spark to avoid accidental blockage.

A percentage of glass beads may arrive split in half. This is normal. Additional beads may split after use. This is also normal due to the physical properties of glass.

DO NOT BURN WITHOUT GLASS OR OTHER SUBSTRATE SUCH AS LAVA ROCK IN BURNER.

The Wave burner comes with a Glass Guard kit. The Glass Guard should be used with the Wave for best flame characteristic in all wind conditions and added safety. Instructions for this kit are included separately.
C. Igniter Installation and Grounding

Note: Before installing ignition system, ensure that gas valves are closed and gas is disconnected for safety.

1. A grounding wire is included with your burner as shown above. This can be plugged into either port on the back side of the sparker.

2. A spark wire hangs from the electrode at the end of the burner (also above). This can be plugged into the remaining open port on the back side of the sparker to complete igniter hookup.

Note: It doesn’t make a difference which port the wires are plugged into, as long as they are both plugged in.

A battery (AAA type) should be installed in the igniter before use. The battery’s positive end (+) should face outward when installed.
A. Fuel
Before making gas connections, ensure the appliance being installed is compatible with the available gas type.

B. Gas Pressure
Proper input pressures are required for optimum performance. Gas line sizing requirements need to be made following NFPA54

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Natural Gas</th>
<th>Propane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Inlet Pressure</td>
<td>7 in w.c.</td>
<td>11 in w.c.</td>
</tr>
<tr>
<td>Maximum Inlet Pressure</td>
<td>10.5 in w.c.</td>
<td>14 in w.c.</td>
</tr>
</tbody>
</table>

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressures in excess of 1/2 psi (3.5 kPa).

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 1/2 psi (3.5 kPa).

C. Gas Connection

Note: Have the gas supply installed in accordance with local building codes, if any. If not, follow ANSI 223.1. Installation should be done by a qualified installer approved and/or licensed as required by the locality. In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter.

Incoming gas line should be piped to the 1/2 inch connection on the manual shutoff valve.

![WARNING]

Fire Risk
Explosion Risk
- Gas build-up during line purge may ignite.
- Purge should be performed by qualified technician.
- Ensure adequate ventilation.

- A small amount of air will be in the gas supply lines. When first lighting appliance it will take a short time for air to purge from lines. Subsequent lighting of the unit will not require such purging. Never allow the ON/OFF valve to remain in the open position without pressing and continuing to hold igniter button FIRST.

![WARNING]

CHECK FOR GAS LEAKS
Fire Risk
Explosion Risk
Asphyxiation Risk
- Check all fittings and connections.
- Do not use open flame.
- After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially available leak-check solution. Be sure to rinse off all leak check solution. Be sure to rinse off all leak check solution following testing.
D. LP Gas Supply (20 lb tank not recommended)

- The LP gas supply cylinder used with LP models must be constructed and marked in accordance with the specifications for LP gas cylinders of the U.S. Department of Transportation (DOT).
- Cylinders must be stored outdoors in a well ventilated area out of the reach of children. Disconnected cylinders must have threaded valve plugs tightly installed and must not be stored in a building, garage or any other enclosed area.
- **20lb LP tank is not recommended for use with this appliance due to high output.** 20lb or smaller tanks may “freeze up” or lock-up due to high draw. If a propane tank is used, an appropriate regulator set to 10.5” of water column must be used.

**IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION SERVICES, OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO AND UNDERSTAND THIS MANUAL. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY, LICENSED TECHNICIAN OR THE GAS SUPPLIER.**

E. Gas Setup for Liquid Propane

1. With burner in place in Outdoor GreatRoom Company fire pit table or other installation location and proper sized orifice inserted in burner neck (see chart on p.4 for orifice sizing) locate your incoming propane supply line or hose and regulator for large propane tank.
2. Attach the propane hose to gas supply input fitting on the gas valve. If using the supplied key valve (recommended), this will be the fitting labeled “Gas supply” in the diagram at right. Using two wrenches, one to hold the valve and one to turn the flare nut fitting. Tighten securely.
3. Locate the metal flex hose on burner and tighten securely to the valve fitting labeled “Gas line to burner” at right, following the method described in step 2.
4. Using two wrenches, check **ALL** connections to ensure there are no loose fittings.
5. **For liquid propane installations, the air shutter may be left open 1/8”-3/16” as shown at right to prevent sooting.**

To adjust air shutter, loosen the small securing screw and rotate air shutter to allow more or less airflow. Closing the shutter will produce a more yellow flame but may soot.

**CHECK ENTIRE SYSTEM FOR LEAKS BEFORE OPERATING**
F. Gas Setup for Natural Gas

1. With burner in place in Outdoor GreatRoom Company fire pit table or other installation location and proper sized orifice inserted in burner neck (see chart on p.4 for natural gas orifice sizing), adjust air shutter to a closed position (as shown at right, no light visible through the shutter) by loosening the small screw on the air shutter and rotating it to a closed position and re-tightening screw.

2. Attach the natural gas supply line to gas supply input fitting on the gas valve. If using the supplied key valve (recommended), this will be the fitting labeled “Gas supply” in the diagram at right. Using two wrenches, one to hold the valve and one to turn the flare nut fitting. Tighten securely.

3. Locate the metal flex hose on burner and tighten securely to the valve fitting labeled “Gas line to burner” at right, following the method described in step 2.

4. Using two wrenches, check ALL connections to ensure there are no loose fittings.

5. For natural gas installations, the air shutter should be fully closed as shown at right for best flame appearance.

   To adjust air shutter, loosen the small securing screw and rotate air shutter to allow more or less airflow. Closing the shutter will produce a more visible flame when using natural gas.

---

CHECK ENTIRE SYSTEM FOR LEAKS BEFORE OPERATING
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, and/or loss of life.

A. This appliance can be lit electronically or with a match. When lighting, follow these instructions exactly.

B. Before lighting, smell all around the appliance area for gas. Be sure to smell next to the base of the appliance because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electric switch, do not use any phone nearby.
- Immediately call your gas supplier from a neighbor’s phone. Follow gas supplier’s instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to turn the gas control knob on propane tank (if equipped), never use tools. If the valve won’t turn by hand, don’t try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use the appliance if any part has been underwater. Immediately call a qualified service technician to inspect the appliance and replace any part which has been underwater.

CAUTION: If a gas regulator is supplied with your appliance, it must be used for all 20 lb. propane installations. The regulator is set for an outlet pressure of 10.5 inches of water column.

Lighting Instructions

1. Depress button on igniter and verify a spark is being produced between the electrode tip and receiving probe.

2. Ensure control panel valve is in the “OFF” position and slowly open valve on propane tank. If using natural gas or whole-house LP, open manual shutoff valve. If not using a control valve, skip this procedure until step 3.

3. Depress igniter button and continue holding button while turning control valve to the on position. Release button once flame is present.

To Extinguish: Turn control valve to “OFF” position.

Initial break-in procedure: When you light the appliance, you may notice that it produces heat which may have an odor. If you feel this odor is excessive it may require an initial three to four hour continuous burn on high.
7

Finishing

Personalize your Wave burner by building a decorative surround from noncombustible material such as bricks, landscaping blocks, or rocks. The possibilities are endless!

![The Wave Fire Pit](image)

The Wave Fire Pit

Note: When installing The Wave burner into a surface other than an Outdoor GreatRoom Company fire pit base, ensure that the bottom perforated pan is supported on all 4 sides to prevent warping when unit is subjected to heat and cooling cycles during use.
<table>
<thead>
<tr>
<th>Symptom</th>
<th>Possible Causes</th>
<th>Corrective Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Fire won’t light.</td>
<td>A. No LP in tank, or NG main not turned on.</td>
<td>Check the LP (propane) tank. You may be out of gas. Or check Natural Gas valve at main.</td>
</tr>
<tr>
<td></td>
<td>B. Orifice or air shutter clogged by debris</td>
<td>Inspect the air shutter tube and orifice for debris that may be blocking the passage of gas. Clean as needed.</td>
</tr>
<tr>
<td>2. Low flames or won’t stay lit</td>
<td>A. Manual shutoff valve (on/off control knob) open or not installed between LP tank and appliance.</td>
<td>Close LP tank and manual shutoff valves. Open LP tank valve first, THEN the manual shutoff valve.</td>
</tr>
<tr>
<td></td>
<td>B. Orifice or air shutter clogged by debris</td>
<td>Inspect the air shutter tube and orifice for debris that may be blocking the passage of gas. Clean as needed.</td>
</tr>
<tr>
<td>3. Blue Flames</td>
<td>A. This is a result of normal operation and flames will begin to yellow as unit is allowed to burn for 16-20 minutes.</td>
<td>Do nothing.</td>
</tr>
<tr>
<td></td>
<td>B. Improper air/fuel mixture related to air shutter position.</td>
<td>Close air shutter. (for LP, leave 1/8”-3/16” open, Natural gas closed-1/16” open)</td>
</tr>
<tr>
<td>4. Metallic noise</td>
<td>A. Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the appliance.</td>
<td>Do nothing.</td>
</tr>
<tr>
<td>5. Decorative Beads cracking or splitting</td>
<td>A. Heat and/or abrupt temperature changes.</td>
<td>This is a property of glass and may happen occasionally. Do nothing. This is completely normal.</td>
</tr>
<tr>
<td>6. Sparker makes clicking sound but no visible spark is produced</td>
<td>A. Sparker is improperly grounded</td>
<td>Refer to section 4-C on Page 9 for grounding instructions. Check all wire connections.</td>
</tr>
<tr>
<td></td>
<td>B. Ignition or ground wire not plugged in.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C. Igniter tip set too far from grounding probe</td>
<td>Check that tip of sparker is within ¼” of grounding probe. Gently bend igniter tip or grounding probe by hand to achieve a smaller gap.</td>
</tr>
<tr>
<td>7. Sparker does not spark or make a ticking sound</td>
<td>A. Battery low, Not installed, Installed incorrectly</td>
<td>Ensure that a fresh AAA battery is installed Positive (+) side facing outward toward the sparker cap.</td>
</tr>
<tr>
<td></td>
<td>B. Corrosion on battery contacts</td>
<td>Check contact at the bottom of the battery cavity for corrosion. Clean with a small piece of sandpaper or a file</td>
</tr>
<tr>
<td></td>
<td>C. Battery cap not screwed down completely</td>
<td>If the cap cannot be screwed down tight enough, the battery will not make a proper connection with the sparker and it will not work. Be sure to use a thin surface such as 20-22 gauge sheet metal to mount sparker in.</td>
</tr>
</tbody>
</table>
Service and Maintenance

Although the frequency of appliance servicing and maintenance will depend on use and the type of installation, a qualified service technician should perform an appliance check-up annual.

Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance.

The use of a vinyl table cover is highly recommended to keep your table and burner looking new and ensuring extended trouble-free operation.

### WARNING

**Risk of injury or property damage**

**Before servicing:**
- Turn off utilities to appliance.
- Ensure appliance is completely cooled.

### Maintenance and Service Tasks

For service calls: Contact the dealer your product was purchased from first. Contact the Outdoor GreatRoom Company at 1-866-303-4028 if further assistance is needed.

<table>
<thead>
<tr>
<th>Inspect</th>
<th>Maintenance Tasks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burner Assembly</td>
<td>1 Remove decorative glass and examine burner. Vacuum and wipe out as needed. Use caution when cleaning these areas</td>
</tr>
<tr>
<td></td>
<td>2 Inspect for warping and corrosion. Repair as necessary</td>
</tr>
<tr>
<td></td>
<td>3 Check the hose connecting the LP or natural gas supply to ensure it is not damaged. Replace as necessary.</td>
</tr>
<tr>
<td></td>
<td>4 Verify air shutter area is clean</td>
</tr>
<tr>
<td>Burner Ignition and Operation</td>
<td>1 Verify all gas connections are tight and leak-free</td>
</tr>
<tr>
<td></td>
<td>2 Clean burner tube, inspect for plugged ports, corrosion, or deterioration. Replace burner if necessary.</td>
</tr>
<tr>
<td></td>
<td>3 Inspect for flame problems.</td>
</tr>
<tr>
<td></td>
<td>4 Verify air shutter is clear of dust and debris and is in correct position for the gas type being used.</td>
</tr>
<tr>
<td></td>
<td>5 Inspect orifice for soot, dirt, or corrosion</td>
</tr>
<tr>
<td></td>
<td>6 Verify manifold and inlet pressures. Adjust regulator as required.</td>
</tr>
</tbody>
</table>

### WARNING

It is imperative the burner be kept clean.
### A. Service Parts List

<table>
<thead>
<tr>
<th>#</th>
<th>Description of Part</th>
<th>Part Number</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Igniter electrode</td>
<td>CF-ELECTRODE-WV</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>#43 Orifice (1/2&quot;)</td>
<td>43-ORIFICE-HC</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>#17 Orifice (1/2&quot;)</td>
<td>17-ORIFICE-HC</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Manifold Kit (Includes 3-16-1/2&quot; Flex lines, 1 22-1/2&quot; Flex line, Flare cross)</td>
<td>WV-56-MANIFOLD</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>16-1/2&quot; Flex line (1/2&quot; Female to Female)</td>
<td>T200-9898-16</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>22-1/2&quot; Flex line (1/2&quot; Female to Female)</td>
<td>T200-9898-22</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Flare cross (1/2&quot; Male to Male)</td>
<td>152-8</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>Black key valve control panel</td>
<td>KV-CP-BLK</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Replacement key for key valve</td>
<td>BF-KY-05</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>Electronic sparker</td>
<td>CF-Sparker</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>Glass guard kit</td>
<td>GLASS GUARD-WV</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>Ground wire</td>
<td>CF-GROUND WIRE</td>
<td>1</td>
</tr>
</tbody>
</table>

For more information, you can visit us online at [Http://www.OutdoorRooms.com](http://www.OutdoorRooms.com)

Or Call Us At:

1-866-303-4028
The Outdoor GreatRoom Company

Outdoor Products Limited Warranty

The Outdoor GreatRoom Company extends the following warranty for Outdoor GreatRoom outdoor products used in the United States of America or Canada. Dealers and employees of The Outdoor GreatRoom Company have no authority to make any warranty or authorize any remedies in addition to or inconsistent with the terms of this warranty. This warranty gives you specific legal rights. You may also have other rights that vary from state to state.

The Outdoor GreatRoom Company warrants that this Outdoor GreatRoom Outdoor Product (the “Product”) will be free from defects in material and workmanship for a period of one year from its date of purchase. Stainless steel parts and assemblies carry a limited lifetime warranty. This warranty is subject to the conditions, exclusions and limitations described below.

This warranty applies only to the original owner of the Product and is non-transferable. The Outdoor GreatRoom Company obligation under this warranty does not extend to damages resulting from (1) assembly, operation or maintenance of the Product not in accordance with the Installation/Assembly Instructions, Operating Instructions and the Listing Agency Identification Label furnished with the Product; (2) installation or use which does not comply with local building codes and ordinances; (3) shipping, improper handling, improper operation, abuse, misuse, accident or unworkmanlike repairs; (4) use of fuels other than those specified in the Operating Instructions; (5) Installation or use of components not supplied with the Product or any other components not expressly authorized and approved in writing by The Outdoor GreatRoom Company; and/or (6) modification of the Product not expressly authorized and approved in writing by The Outdoor GreatRoom Company. Any of the circumstances described in the previous sentence voids this warranty. This warranty is void if the Product or any component has been removed, repaired, or replaced before The Outdoor GreatRoom Company has been afforded a reasonable opportunity to inspect the Product.

This warranty is limited to the replacement or repair of defective components or workmanship and The Outdoor GreatRoom Company may fully discharge its obligations under this warranty by repairing or replacing, at its discretion, the defective components. The Outdoor GreatRoom Company will provide replacement parts at no charge and will pay reasonable and necessary labor and freight costs related to replacing or repairing defective components under this warranty. The maximum amount recoverable under this warranty is limited to the purchase price of the Product and, if The Outdoor GreatRoom Company is unable to provide replacement or repair in an expedient and cost-effective manner, The Outdoor GreatRoom Company may discharge all obligations under this warranty by refunding the purchase price of the Product.

EXCEPT TO THE EXTENT PROVIDED BY LAW, THE OUTDOOR GREATROOM COMPANY MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY EXPRESSED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO THE DURATION OF THE WARRANTY SPECIFIED ABOVE. IN NO EVENT SHALL THE OUTDOOR GREATROOM COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY DEFECTS IN THE PRODUCT. Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you.

To obtain service under this warranty, you must:

1. Send written notice of the claimed condition to: The Outdoor GreatRoom Company 14400 Southcross Drive West, suite 100, Burnsville, MN 55306.
2. Affirm that you are the original owner of the Product.
3. Provide The Outdoor GreatRoom Company reasonable opportunity to investigate the claim, including reasonable opportunity to inspect the Product prior to any repair or replacement work and before the Product or any component of the Product has been removed.