

# HOMEcrest™

## OUTDOOR LIVING

2021 CRYSTAL FIRE & CRYSTAL FIRE PLUS BURNER  
FIRE TABLE MANUAL



# USER MANUAL FOR:

CF-12 (LP & NG), CFP1224 (LP & NG), and CFP20 (LP & NG) burners



Installation and repair should be performed only by a qualified service person. More frequent cleaning and maintenance may be required as necessary. It is imperative that the burner, controls, and circulating air passageways of the appliance are kept clean. Homecrest Outdoor Living recommends the use of NFI-Certified Gas Professionals.



## ⚠ 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 THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.**

- Do not store gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.
- What to do if you smell gas:
  - Do not try to light any appliance.
  - 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.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.



## ⚠ WARNING ⚠

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

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

- Keep children away.
- **CAREFULLY SUPERVISE** children near this appliance.
- Alert children and adults to hazards of high temperatures.
- Keep clothing, furniture, draperies, and other combustibles away.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.



## ⚠ WARNING ⚠

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 ⚠

For outdoor use only. It is imperative the burner be kept clean.

**READ THIS MANUAL BEFORE INSTALLING OR OPERATING THIS APPLIANCE.  
PLEASE RETAIN THIS OWNER'S MANUAL FOR FUTURE REFERENCE.**

## CONGRATULATIONS

Congratulations on selecting a Homecrest Outdoor Living decorative gas appliance. The fire table you selected features a Crystal Fire/Crystal Fire Plus burner, and is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a Crystal Fire/Crystal Fire Plus 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.

The information contained in this owner's manual, unless noted otherwise, applies to all models and gas control systems. Your new Crystal Fire/Crystal Fire Plus burner will give you years of durable use and trouble-free enjoyment.

### Homeowner Reference Information

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

Model Name: \_\_\_\_\_ Date of Purchase/Installation: \_\_\_\_\_

Serial Number: \_\_\_\_\_ Location on Appliance: \_\_\_\_\_

Dealer Purchased From: \_\_\_\_\_ Dealer Phone: \_\_\_\_\_

Notes: \_\_\_\_\_

### 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 below for locations of specifications.

**MODEL**

**FUEL TYPE**

**ORIFICE SIZE**

**SERIAL NO.**

| GAS-FIRED<br>LISTED<br>42W4 |     | DECORATIVE OUTDOOR<br>GAS-FIRED FIREPLACE |       | The Outdoor GreatRoom Company<br>2015 Silver Bell Road, #195<br>Eagan, MN 55122 |    |
|-----------------------------|-----|---|-------|---|----|
| Model                       | LP  | NAT                                       | LP    | Model   | LP |
| CF-20                       | 400 | 401                                       | 10101 | 10100   |    |
| CF-20A                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20B                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20C                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20D                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20E                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20F                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20G                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20H                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20I                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20J                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20K                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20L                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20M                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20N                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20O                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20P                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20Q                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20R                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20S                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20T                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20U                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20V                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20W                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20X                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20Y                      | 400 | 401                                       | 10101 | 10100   |    |
| CF-20Z                      | 400 | 401                                       | 10101 | 10100   |    |

Model: All Crystal Fires  
ANSI Z21.97-2017 and CSA 2.41-  
2014 for Canada. 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

Type of Gas: Natural  
Gas, Propane Gas

**WARNING:** Must Not Be Used For Cooking.  
**WARNING:** For Outdoor Use Only. If stored indoors, detach and leave cylinder  
outdoors.  
**MINIMUM CLEARANCES:** Top: 6 Ft. (72") Sides: 2 Ft. (24") Bottom: 8 in.  
Minimum clearance from sides and back of unit to adjacent combustible  
construction below top of unit is 8 inches from sides and 8 inches from back.  
Minimum horizontal clearance from sides and back of unit to adjacent vertical  
combustible construction extending above top of unit is 24 inches from sides and 24  
inches from back.

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

CF-UL Rev B 7-28-2017





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## HOMECREST GLASS GUARD

The manufacturer highly recommends the use of a glass guard when operating fire tables in windy conditions. Prolonged exposure to flames that are blown flat to the table surface may cause slight discoloration of the cosmetic surface. See page 15 for details!



## THIS MANUAL DEMONSTRATES THE SET UP FOR THE FOLLOWING BURNERS:

### CF-12

- Round Burner Assembly
- Black Propane Hose with Regulator
- Flexible Metal Gas Line
- #55 Orifice (LP Gas)
- #49 Orifice (Natural Gas)
- 1 Bag of Decorative Fire Glass
- Key Valve
- Key
- Used in Homecrest's round Nova base fire pits

**Note:** Use of the riser is required.

### CFP1224/NF-719

- Rectangular Burner Assembly
- Black Propane Hose with Regulator
- Flexible Metal Gas Line
- #43 Orifice (LP Gas)
- #30 Orifice (Natural Gas)
- 2 Bags of Decorative Fire Glass
- Key Valve
- Key
- Used in Homecrest's rectangular Aurora base fire pits

**Note:** Use of the riser is required.

### CFP20/NF-16

- Round Burner Assembly
- Black Propane Hose with Regulator
- Flexible Metal Gas Line
- #43 Orifice (LP Gas)
- #30 Orifice (Natural Gas)
- 2 Bags of Decorative Fire Glass
- Key Valve
- Key
- Used in Homecrest's round Valero and square Aurora base fire pits

**Note:** Use of the riser is required.

**A. APPLIANCE CERTIFICATION**

**MODEL:** CRYSTAL FIRE CF-12, CRYSTAL FIRE PLUS CFP1224, and CRYSTAL FIRE PLUS CFP20 burners

**LABORATORY:** Underwriters Laboratories, Inc. (UL)

**TYPE:** Decorative Gas-fired Outdoor Fireplace

**STANDARD:** Outdoor Decorative Gas Appliances ANSI Z21.97-2017 \* CSA 2.41-2017

The Crystal Fire/Crystal Fire Plus burner has been tested in accordance with ANSI Z21.97-2017 and CSA 2.41-2017 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**

| MODEL             | ORIFICE SIZE |             | MAX INPUT (BTU) |             |
|-------------------|--------------|-------------|-----------------|-------------|
|                   | LP GAS       | NATURAL GAS | LP GAS          | NATURAL GAS |
| CF-12             | #55          | #49         | 20000           | 19500       |
| CFP1224<br>NF-719 | #43          | #30         | 55K             | 55K         |
| CFP20<br>NF-16    | #43          | #30         | 55K             | 55K         |

**! 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.

**! WARNING !**

**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.

**! CAUTION !****SHARP EDGES:**

Wear protective gloves and safety glasses during installation.

**! WARNING !**

**DO NOT** burn solid fuels in this gas appliance.

**! WARNING !**

Inspect 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.

**! WARNING !**

Homecrest Outdoor Living 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 Homecrest Outdoor Living.

**ANY SUCH ACTION MAY CAUSE A FIRE HAZARD.**



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

Place the Crystal Fire/Crystal Fire Plus 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. TOOLS & SUPPLIES REQUIRED**

Before beginning the installation, be sure that the following tools and supplies are at hand:

- Work gloves
- Safety glasses
- Utility knife (for opening packaging)
- (2X) Adjustable wrenches
- 11mm wrench (for NG conversion only)
- 10mm wrench
- Phillips screwdriver
- Flat-blade screwdriver (for NG conversion only)
- Corrosion-free leak test solution
- (1X) AAA battery

**B. INSPECT THE APPLIANCE & COMPONENTS**

- 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.

# 3 SETTING UP THE 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. A replacement hose assembly is available from the manufacturer.
- The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged. A replacement burner assembly is available from 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:

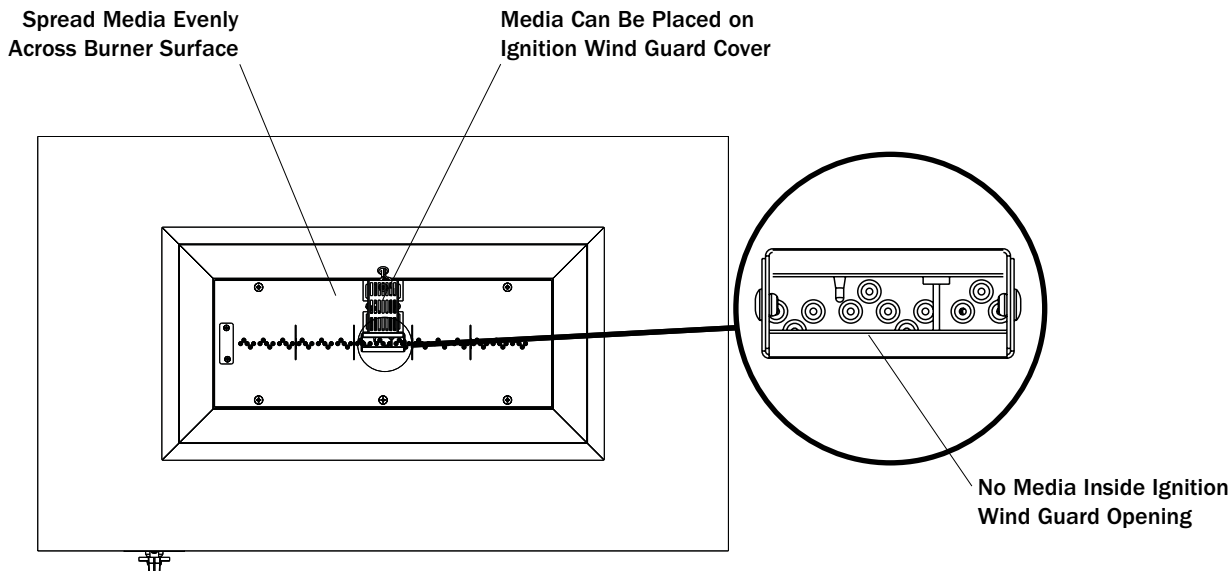
- Make sure the tank valve is turned completely off (clockwise).
- Ensure the tank valve has the proper external mating threads (tank valve marked “**USE WITH TYPE 1**”).
- Inspect the hose shipped with the appliance for any damage. Do not use if there is evidence of damage.
- Connect the end of the 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.

**THE METAL RISER USED ON ALL FIRE PIT BURNERS IS REQUIRED TO PROTECT THE TOP SURFACE FROM HEAT DAMAGE.**

**DO NOT BURN WITHOUT GLASS OR OTHER SUBSTRATE IN BURNER. MEDIA CANNOT BE PRESENT INSIDE IGNITER WIND GUARD. GLASS MEDIA CAN COVER IGNITION WIND GUARD COVER. SEE IMAGE BELOW FOR PROPER MEDIA COVERAGE.**





**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 NFPA 54.


**⚠ WARNING ⚠**

**FIRE RISK.**

**EXPLOSION RISK:**

- High pressure may cause dangerously large flames.
- Low pressure may cause explosion.
- Verify minimum pressures when other household gas appliances are operating.

Install regulator upstream of valve if line pressure is greater than 1/2 psi.



Pressure requirements for the appliance are shown in the table below. Minimum pressures must be met when other household gas appliances are operating.

| PRESSURE               | NATURAL GAS | PROPANE  |
|------------------------|-------------|----------|
| Minimum Inlet Pressure | 3.5" w.c.   | 8" w.c.  |
| Maximum Inlet Pressure | 10.5" w.c.  | 14" w.c. |

The appliance and its individual shut-off 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 shut-off 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**

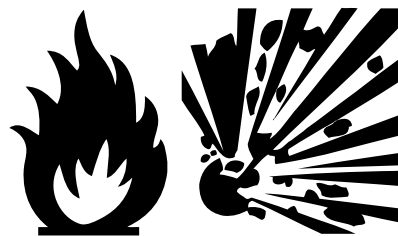
**Note:** Have the gas supply installed in accordance with local building codes, if any. If not, follow ANSI 223.1. Installation should be done by a qualified installer approved and/or licensed as required by the locality. (In the Commonwealth of Massachusetts installation must be performed by a licensed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

**Note:** A listed (and Commonwealth of Massachusetts approved) 3/8" T-handle manual shut-off valve and flexible gas connector are connected to the 3/8" control valve inlet. If substituting for these components, please consult local codes for compliance.

Incoming gas line should be piped to the 3/8" connection on the manual shut-off valve.

**C. GAS CONNECTION (CONTINUED)****⚠ WARNING ⚠****FIRE RISK.****EXPLOSION RISK:**

- Gas build-up during line purge may ignite.
- Purge should be performed by a qualified technician.
- Ensure adequate ventilation.
- Ensure there are no ignition sources such as sparks or open flames.



A small amount of air will be in the gas supply lines. When first lighting the appliance it will take a short time for the air to purge from the lines. Subsequent lighting of the unit will not require such purging.

**⚠ 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 non-corrosive, commercially-available leak check solution. Once leak check test is complete, be sure to rinse off all remaining leak check solution from the gas piping systems.

Fittings and connections may have loosened during shipping and handling.

**D. LP GAS SUPPLY**

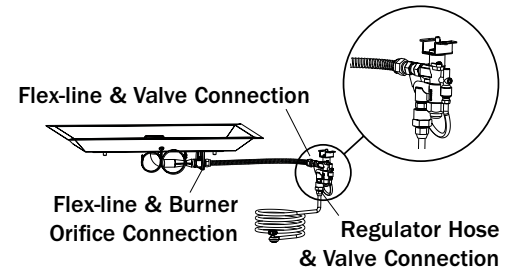
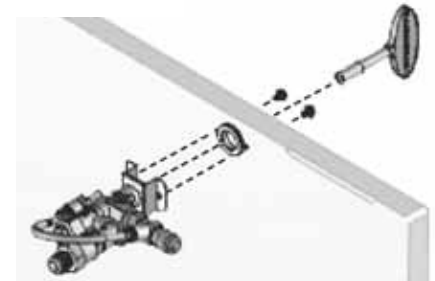
- The pressure regulator and hose assembly supplied with LP models must be used. Replacement pressure regulators and hose assemblies must be those specified in this manual.
- The LP gas supply cylinder used with LP models must be constructed and marked in accordance with the specifications for LP gas 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.
- Storage of this appliance indoors is permissible only if it has been disconnected from its fuel supply (natural gas line or LP gas cylinder).
- The LP gas cylinder supply system must be arranged for vapor withdrawal.
- The LP gas cylinder used must include a collar to protect the cylinder valve.
- When an LP model is not in use, the LP gas must be turned off at the supply cylinder.
- The specific size and capacity of the cylinder(s) to be used: 20 lb or hard plumbed to propane tank.

**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. SET-UP FOR LIQUID PROPANE (LP): CFP1224 & CFP20 BURNERS (SEE INSERT FOR CF-12 BURNER)

1. Carefully place burner assembly into enclosure. Secure control valve to control panel with two (2) supplied Phillips head screws. Install key onto valve stem.
  2. Carefully uncoil thermocouple and connect to control valve. Hand-tighten first, then securely tighten (1/2 turn) with 10 mm wrench. Damage to the thermocouple and/or loose connections will cause operation issues.
- Note:** This step is not applicable to the CF-12 burners.
3. Evenly spread glass media over burner surface. Glass media **CANNOT** be present inside igniter wind guard opening. Glass media **CAN** cover ignition wind guard cover. Remove cardboard cover from inside ignition wind guard.

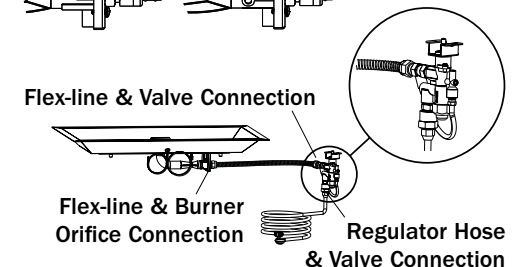
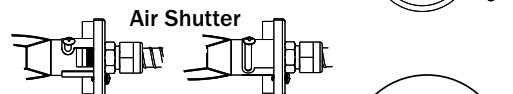
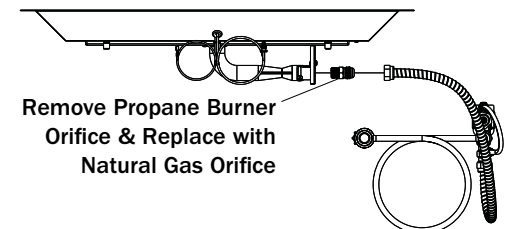
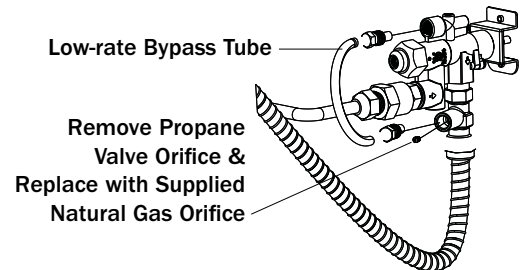
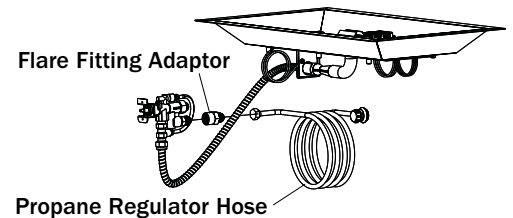
**CHECK ENTIRE SYSTEM FOR LEAKS BEFORE OPERATING.**



## F. SET-UP FOR NATURAL GAS: CFP1224 & CFP20 BURNERS (SEE INSERT FOR CF-12 BURNER)

1. Using adjustable wrenches, tighten all connections. This step serves as a final safety measure as all fittings come tightened from the factory.
  2. Using adjustable wrenches, remove the propane regulator hose and flare fitting adaptor.
  3. Using 11 mm wrench, remove low-rate bypass tube from control valve.
  4. With a flat-blade screwdriver, remove propane valve orifice and replace with natural gas orifice. If no valve orifice is required, low-rate bypass tube can be reinstalled using 11 mm wrench.
  5. Using adjustable wrenches, remove burner flex-line from burner orifice. Remove the propane burner orifice installed in the burner, and install supplied natural gas orifice.
  6. Loosen air shutter with Phillips head screwdriver and fully close air shutter. Tighten screw when air shutter is properly positioned.
  7. Using adjustable wrenches, connect burner flex-line to natural gas burner orifice and tighten securely.
  8. Carefully place burner assembly into enclosure. Secure control valve to control panel with two (2) supplied Phillips head screws. Install key onto valve stem.
  9. Carefully uncoil thermocouple and connect to control valve. Hand-tighten first, then securely tighten (1/2 turn) with 10 mm wrench. Damage to the thermocouple and/or loose connections will cause operation issues.
- Note:** This step is not applicable to the CF-12 burners.
10. Evenly spread glass media over burner surface. Glass media **CANNOT** be present inside igniter wind guard opening. Glass media **CAN** cover ignition wind guard cover. Remove cardboard cover from inside ignition wind guard.

**CHECK ENTIRE SYSTEM FOR LEAKS BEFORE OPERATING.**



## WARNING

**FOR YOUR SAFETY, READ BEFORE LIGHTING.**

**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 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 the 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.
  - E. The LP gas pressure regulator provided with this appliance must be used. This regulator is set for an outlet pressure of 10.5" water column or a 20 lb tank.

## **LIGHTING INSTRUCTIONS**

Have flame over burner, turn key counter clockwise until flame is present.

**TO EXTINGUISH: TURN CONTROL VALVE TO "OFF" POSITION. CLOSE VALVE ON PROPANE TANK WHILE NOT IN USE.**

**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.

## WARNING

### **FIRE RISK – HIGH TEMPERATURES:**

- Keep combustible household items away from the appliance.
- **DO NOT** obstruct combustion and ventilation air.
- **DO NOT** place combustible items on top of or near the appliance.
- Keep furniture, draperies away from the appliance.
- **DO NOT** use lantern fuel, kerosene, charcoal lighter fluid, or similar liquids in this appliance.
- Combustible materials, flammable liquids, or vapors may ignite.

| SYMPTOM |  | POSSIBLE CAUSES |   | CORRECTIVE ACTIONS   |
|---------|--|-----------------|---|--|
| 1.      | Crystal Fire or<br>Crystal Fire Plus<br>Burner Will Not<br>Light | A.              | No LP gas in the tank, or Natural gas may not be turned on.   | Check the LP (propane) tank. You may be out of gas, or check Natural Gas valve at main.                              |
|         |  | B.              | Plugged burner orifice.   | Check the burner orifice for stoppage. Remove stoppage.  |
|         |  | C.              | Burner was not converted for operation with natural gas.  | Both the valve orifice and burner orifice must be changed and the air shutter must be closed.                        |
|         |  | D.              | Excessive media buildup around igniter.   | Ensure media installation instructions are followed and media is not present inside the ignition wind guard opening. |
| 2.      | Low Flames/<br>Will Not Stay Lit                                 | A.              | Manual shut-off valve (on/off control knob) open or not installed between the LP tank and the appliance.  | Close LP tank and manual shut-off valves. Open LP tank valve first, THEN the manual shut-off valve.                  |
|         |  | B.              | Excessive media buildup around igniter.   | Ensure media installation instructions are followed and media is not present inside the ignition wind guard opening. |
|         |  | C.              | Thermocouple not properly secured to valve.   | Ensure the thermocouple is tightened to control valve using 10 mm wrench.  |
| 3.      | Blue Flames  | A.              | This is a result of normal operation and flames will begin to yellow as the unit is allowed to burn for 16-20 minutes.  | Do nothing.  |
|         |  | B.              | Improper air/fuel mixture related to the air shutter position.  | Close air shutter. (For LP, leave 1/4" open, Natural gas adjust to be closed.)                                       |
| 4.      | Metallic Noise   | 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. | Do nothing.  |



# 7 SERVICE & MAINTENANCE

Although the frequency of appliance servicing and maintenance will depend on the use and the type of installation, a qualified service technician should perform an appliance check-up annually. Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance.

**Note:** The use of a vinyl fire table cover is highly recommended to keep your fire table and burner looking new and ensure extended trouble-free operation.

## ⚠ WARNING ⚠

### RISK OF INJURY OR PROPERTY DAMAGE. BEFORE SERVICING:

- Turn off utilities to the appliance.
- Ensure the appliance is completely cooled.

## ⚠ WARNING ⚠

### ANNUAL INSPECTION BY QUALIFIED TECHNICIAN RECOMMENDED.

#### CHECK:

- Obstructions of combustion and ventilation air.
- Condition of the burner assembly.
- Burner ignition and operation.
- Burner air shutter adjustment.
- Gas connections and fittings.

#### RISK OF:

- Fire.
- Delayed ignition or explosion.
- Exposure to combustion fumes.
- Odors.



## MAINTENANCE & SERVICE TASKS

**For service calls:** Contact the dealer your product was purchased from first.

Contact Homecrest Outdoor Living at 218-631-1000 if further assistance is needed.

| INSPECT   | MAINTENANCE TASKS |   |
|---|-------------------|---|
| Burner Assembly                                       | 1                 | Remove the decorative glass and examine the burner. Vacuum and wipe out as needed. Use caution when cleaning these areas.                                     |
|   | 2                 | Inspect for warping and corrosion. Repair as necessary.   |
|   | 3                 | Check the hose connecting the LP gas cylinder to ensure it is not damaged. Replace as necessary.  |
|   | 4                 | Verify air shutter area is clean.   |
| Burner Ignition & Operation                           | 1                 | Verify all gas connections are tight and leak-free.   |
|   | 2                 | Clean burner top, inspect for plugged ports, corrosion, or deterioration. Replace burner if necessary.  |
|   | 3                 | Inspect for flame problems.   |
|   | 4                 | Verify air shutter is clear of dust and debris and is in the correct position for the gas type being used.  |
|   | 5                 | Inspect the orifice for soot, dirt, or corrosion.   |
|   | 6                 | Verify manifold and inlet pressures. Adjust regulator as required.  |
| Inspect Igniter & Thermocoupler for Buildup/Corrosion | 1                 | Clean ignition electrode with fine-grit emery cloth.  |
|   | 2                 | Remove buildup from thermocouple with compressed air and a damp rag.  |
| Gas Hose & Regulator                                  | 1                 | The gas hose with regulator supplied with appliance must be used for LP installations. The replacement must be those specified by the appliance manufacturer. |

## SERVICE PARTS LIST

| # | DESCRIPTION OF PART                                   | PART NUMBER                    | QTY. |
|---|---|--------------------------------|------|
| 1 | Burner Assembly                                       | SRV-BA-CF 20/1224<br>CF-12-DIY | 1    |
| 2 | Flex Tube   | SRV-FT-CF                      | 1    |
| 3 | Orifice – NG (#30)<br>For CFP20 (NG) and CFP1224 (NG) | NGK-CF                         | 1    |
| 4 | Orifice – LP (#43)<br>For CFP20 and CFP1224 (LP)      | LPK-43                         | 1    |
| 5 | Gas Hose with Regulator                               | SRV-Hose-CF                    | 1    |
| 6 | Orifice - LP (#55)<br>For CF-12 (LP)                  | #55 Orifice                    | 1    |
| 7 | Orifice - NG (#49)<br>For CF-12 (NG)                  | #49 Orifice                    | 1    |

For more information, you can visit us online at [www.homecrest.com](http://www.homecrest.com), or call 218-631-1000.

## ACCESSORIES

### Lazy Susans, Fire Table & Fire Burner Covers

**Note:** Lazy susans can be purposed as a fire burner cover. Be sure to specify the frame finish color when ordering the metal lazy susan and the color name when ordering the Stonegate lazy susans.



**42" COVER**  
005369  
H: 19"  
Use Ripstop Polyester  
Cover with 42" Round



**42" COVER**  
005106  
H: 19"  
Use Ripstop Polyester  
Cover with 42" Square



**54" COVER**  
005108  
H: 19"  
Use Ripstop Polyester  
Cover with 54" Round



**32" x 52" COVER**  
006139  
H: 19"  
Use Ripstop Polyester  
Cover with 32" x 52" Rectangle



**36" x 60" COVER**  
006138  
H: 19"  
Use Ripstop Polyester  
Cover with 36" x 60" Rectangle



**12.25" BURNER COVER**  
91007  
Smooth Aluminum



**22" BURNER COVER**  
91004  
Smooth Aluminum



**14" x 26.25" BURNER COVER**  
91006  
Smooth Aluminum



**22" LAZY SUSAN**  
91003  
H: 1.125"  
Smooth Aluminum



**24" LAZY SUSAN**  
91005  
H: 1.5"  
Stonegate Pebble



**24" LAZY SUSAN**  
91005  
H: 1.5"  
Stonegate Boulder



**24" LAZY SUSAN**  
91005  
H: 1.5"  
Stonegate Midnight

### Glass Guards



**14.5" GLASS GUARD**  
006840  
H: 6"  
Use in windy conditions



**22.5" GLASS GUARD**  
005561  
H: 6.75"  
Use in windy conditions



**15.5" x 28.5" GLASS GUARD**  
006086  
H: 5.8"  
Use in windy conditions

### Regulator Kit



**1 LB HOSE & REGULATOR KIT**  
005598  
Use for in-store demonstrations

### LP Tank



**HORIZONTAL LP TANK**  
005269 - 20 lbs  
Use with all 19" height fire  
pits, sold separately

# TAKE A DEEPER DIVE

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