



THE OUTDOOR  
GREATROOM  
COMPANY

# The Cove Fire Pit

Installation Instructions for CV-2424



# IMPORTANT

Please consult your Crystal Fire® Plus instruction manual for detailed instructions and important information related to hooking up your burner, including safety information, proper tightening of connections with two wrenches and full burner setup and lighting instructions.

**DO NOT ATTEMPT TO INSTALL CFP2424 BURNER WITHOUT FIRST CONSULTING THE CRYSTAL FIRE® PLUS OWNER'S MANUAL.**

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## Required Tools

**THREE people are required for this installation.**



- 2 Open Ended Wrenches  
To secure gas connections.



- Leather Gloves  
To protect hands from rough edges found on fire pit during installation.



- One AAA Battery (not included)  
Required for electric spark igniter installation.


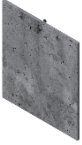



- Utility Knife  
To cut and remove packaging.



- Power Drill  
To remove support board from crate.

# Included With Your Fire Pit

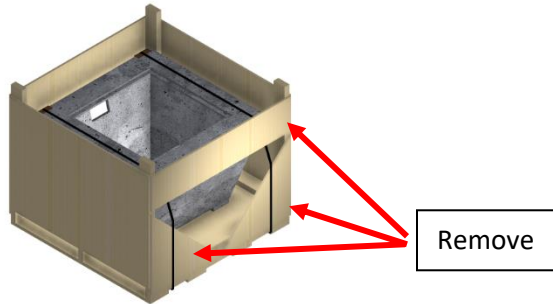
	<p>Cove 2424 Base with Control Panel Installed</p> <p>(CV-2424-BASE)</p>
	<p>Cove 2424 Door</p> <p>(CV-2424-DOOR)</p>
	<p>24" x 24" Crystal Fire® Plus Burner Kit and Grey Glass Burner Cover</p> <p>(CFP2424 and 2424GGC)</p>

Refer to Crystal Fire® Plus Manual for items included with Crystal Fire® Plus burners.

# Assembly Instructions

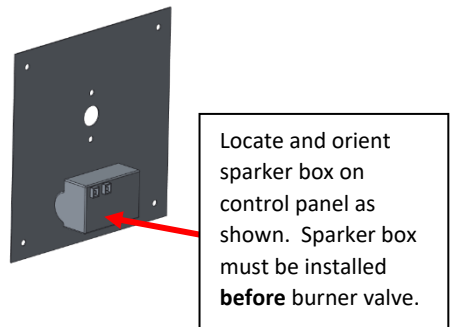
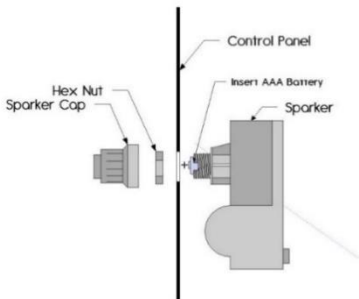
## 1. Remove Cove-2424-Base from Packaging crate

- Remove side panels from crate using a power drill with Philips head bit.
- Three People are required to lift base out of packaging and place into final location. CAUTION: Base is heavy, take all necessary precautions to prevent injury during installation.



## 1. CF-SPARKER Installation

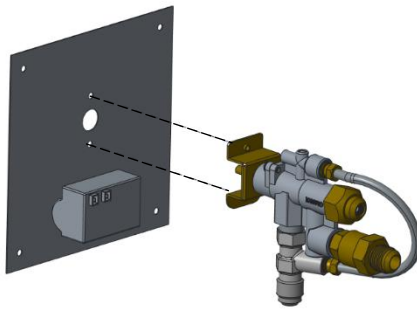
- Locate CF-SPARKER inside of crystal fire burner box.
- Remove CF-SPARKER cap and hex nut. Insert AAA battery (not included) with + end out.
- Install CF-SPARKER into control panel as shown below.
- Depress CF-SPARKER button to test your sparker.



## 2. Gas Connections

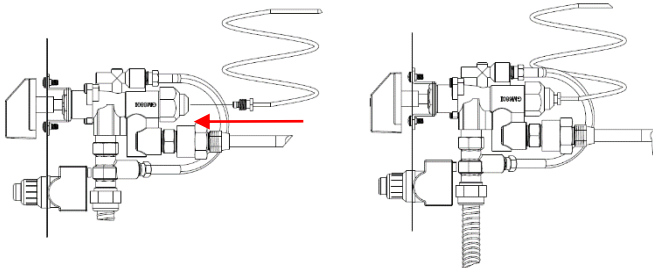
**Read and understand your Crystal Fire Burner Owner's manual before beginning burner hookups or using the device.  
Do not use Teflon tape or pipe dope on flare fittings.**

- **See Crystal Fire® Plus instructions for burner installation.**
  - All gas connections were completed at the factory.
- Check all connections for leaks. If needed, tighten connection with 2 wrenches and re-check for leaks.
- Attach burner valve to control panel with provided screws as shown below. Ensure sparker box is installed before this step.



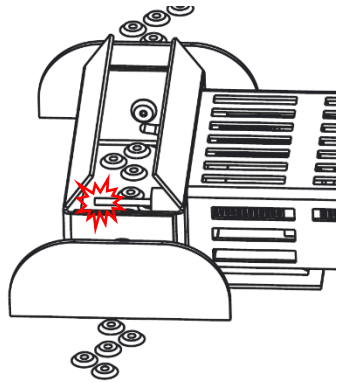
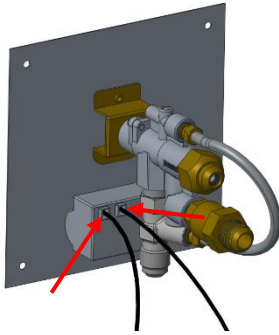
### **3. Thermocouple Installation**

- **Refer to Crystal Fire® Plus instruction manual for detailed attachment of thermocouple.**
- Attach thermocouple to burner valve as shown below.



#### 4. Electrode Installation

- Connect igniter and ground wire to sparker box. Both wires can connect to either connection point. The unit will operate in either configuration.
- Test system by pushing the button on the igniter. Consult the troubleshooting section of the Crystal Fire® Plus Burner Owner's Manual, if the spark is weak, intermittent, or not present.



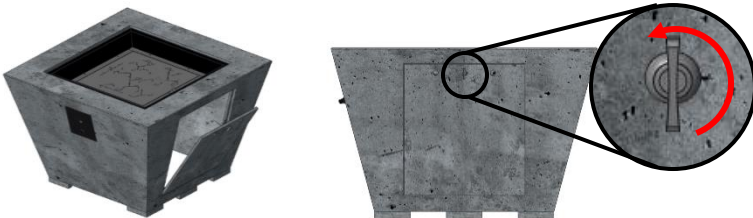
## 5. Propane Tank Installation



- With the propane tank valve and key valve off, attach the propane regulator to the propane tank. **Hand tighten, do not use a wrench for this connection.**



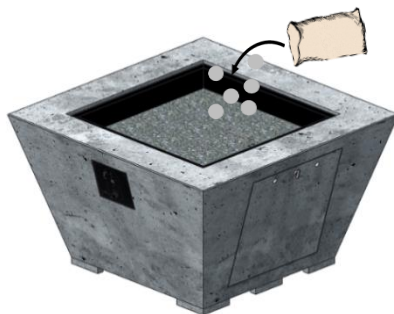
- Lift and tilt the propane tank through the access door into place underneath the base. Ensure that all hoses and wires are kept away from the hot burner surfaces. Use caution not to chip the edges of the concrete when installing the tank.



- Install the door by setting the bottom edge in place and tilting into place. Secure by turning the 1/4 turn cam lock to lock the door in place.

## 6. Install Fire Media

- a. Scatter all included glass beads, lava rock, or other approved fire media evenly across entire burner surface.
- b. Install glass burner cover on burner.



**WARNING: DO NOT OPERATE CRYSTAL FIRE® PLUS BURNER WITHOUT INCLUDED GLASS BEADS OR OTHER APPROVED FIRE MEDIA**

**WARNING: DO NOT OPERATE CRYSTAL FIRE® PLUS BURNER WITH BURNER COVER IN PLACE**

## **IMPORTANT**

Please consult your Crystal Fire® Plus instruction manual for detailed instructions and important information related to hooking up your burner, including safety information, proper tightening of connections with two wrenches and full burner setup and lighting instructions.

**DO NOT ATTEMPT TO INSTALL CFP2424 BURNER WITHOUT FIRST CONSULTING THE CRYSTAL FIRE® PLUS OWNER'S MANUAL.**

## **WARNING**

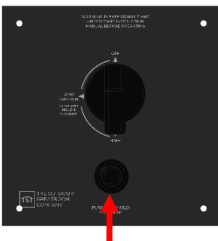
**After consulting the manual and following instructions, remember; before operating, all gas connections must be fully checked for leaks**



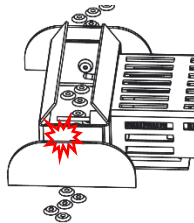
## 7. Operating Instructions

Before operating your Cove 2424 fire pit, ensure all gas connections are properly tightened and thoroughly leak checked. Refer to the Crystal Fire® Plus Manual for information on proper leak checking, operating information, maintenance and other critical safety information.

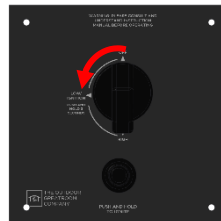
- Verify control valve is in OFF position. If operating on a self-contained propane cylinder, ensure cylinder valve is CLOSED. If operating on a hard-piped system, ensure main gas supply shut-off valve and all other valves in gas system are OPEN.
- If operating on a self-contained propane cylinder, slowly open cylinder valve.
- Remove glass burner cover before attempting to ignite the burner.
- Press and hold sparker button. Verify an audible and visible spark is present within the ignition wind guard.
- Gently press and turn control knob to LOW/IGNITION position. Fully depress control knob and hold for 3-5 seconds. Burner should ignite and continue to operate when control knob is released.
- If burner does not light or remain lit after 20 seconds of attempting ignition, turn control valve to OFF position and wait 5 minutes to allow gas to dissipate before attempting ignition again. **DO NOT ATTEMPT TO LIGHT BURNER IF YOU SMELL GAS.**
- With burner lit and operating, the flame height can be adjusted between LOW and HIGH at any time.



1. Depress sparker



2. Look/listen for spark



3. Turn valve to ON



**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](http://www.P65Warnings.ca.gov)

# Frequently Asked Questions

## What is Supercast?

Supercast is a proprietary blend of fiber glass and polymer fortified concrete. This guide will help inform you about some unique characteristics of a Glass-Fiber reinforced concrete and help you keep it looking like new for years to come.

## Supercast Glass Fiber Reinforced Concrete (GFRC) Products Warranty Information

- One year warranty on structure and finish. Cracks that exceed 1/8" displacement in either height or gap and determined to be a product of either material or workmanship, shall be warranted for a period of 1 year. Non-structural hairline cracks are possible and shall not be considered a manufacturing defect.
- Natural variations in color, shade, porosity, pitting and texture may occur with GFRC products and are considered inherent and valued qualities of the material. Variation in shape and dimension can be up to  $\pm 1/4"$ .
- Under most conditions, re-staining/resealing is suggested every 2 years using the stain sealer identified on the next page. The frequency is dependent on ambient conditions including, but not limited to: frequency of use, exposure to UV, saltwater, chlorine, hard water, air temperature, and humidity.
- If covering a GFRC item, use a one-way breathable cover as supplied by The Outdoor GreatRoom Company, LLC (OGC) or equivalent. Do not use other materials or objects in order to hold down or secure a protective cover on top or around the GFRC item.
- Using a one-way breathable cover will help keep the finish of the GFRC looking newer longer, but it is still recommended to stain/seal on as outlined above.
- When used in conjunction with a Crystal Fire Plus burner setup, all custom GFRC products are required to operate with an OGC glass guard installed around the burner. The glass guard improves the flame appearance and reduces the risk of unnecessary thermal stress on the GFRC surface. A glass guard is recommended for stock GFRC products.

## What makes a concrete fire pit unique?

Your fire pit is handcrafted from Portland cement concrete and reinforced with glass fibers to provide exceptional strength and durability compared to traditional concrete. Supercast is typically 1/3 of the thickness of traditional concrete with 3 times the strength. Each piece offers its own uniqueness; you may notice color variations in your fire pit. This is intentionally done during the molding process in order to create a unique natural appearance which mimics natural stone.

## Maintenance Instructions:

To keep your fire pit looking new, we recommend the following:

- Keep covered when not in use to protect from buildup of water, snow, dust, dirt, and debris and direct sunlight whenever possible.
- Do not put the cover on when the fire pit is wet.
- If any colored liquids such as wine or soda are spilled on your top, clean off immediately to avoid possible staining.
- We recommend cleaning your fire pit regularly with a mild mixture of dish detergent and warm water; rinse thoroughly.

## How do I reseal Supercast surfaces?

- First clean using a diluted solution of vinegar and water to remove any dirt or debris that may have accumulated on the surface and allow to dry.
- Reseal the surfaces using the stain/sealers below based on the color fire pit you have. Apply the stain/sealer using a foam roller and allow it to cure for 24 hours before exposing to water or use. The stain/sealers can be purchased at any Sherwin-Williams store.
- Minor surface scratches can be removed by using the stain/sealing method above. Clean the area affected and apply the stain/sealer.

- Natural Grey - MN Concrete Custom Grey: H&C Exterior Color Top solvent-based solid color sealer, Tint Base-Deep, satin sheen. The color mix is for 5 gallons, vendor can adjust color amounts based on size being purchased:

BAC Colorant	OZ	32	64	128
W1-White	4	42	-	-
B1-Black	4	47	-	-
R2-Maroon	-	15	-	-
Y3-Deep Gold	2	51	-	-

- White - MCP White: H&C Exterior Color Top solvent based solid color sealer, Tint Base-White, satin sheen. The 1 gallon color mix is:

BAC Colorant	OZ	32	64	128
B1-Black	-	2	1	-
Y3-Deep Gold	-	2	1	-

- Midnight Mist - MCP Raven: H&C Heavy Shield water based solid color enamel/stain, Tint Base-Ultradeep, semi-gloss. The 1 gallon color mix is:

BAC Colorant	OZ	32	64	128
W1-White	-	31	1	1
B1-Black	6	21	-	-
R2-Maroon	-	13	-	1
Y3-Deep Gold	-	30	-	-

Thank you for purchasing an  
Outdoor GreatRoom Company  
product!



**Warranty:** Fire pit tables are covered under a 1- year  
manufacturer's warranty. Please visit  
<https://www.outdoorrooms.com/product-registration>  
to register your product.



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