



# Magnum Unvented Fireboxes Installation and Operating Instructions

Models: MCUF36E-F, MCUF36D-R,  
MCUF42E-F, MCUF42D-R

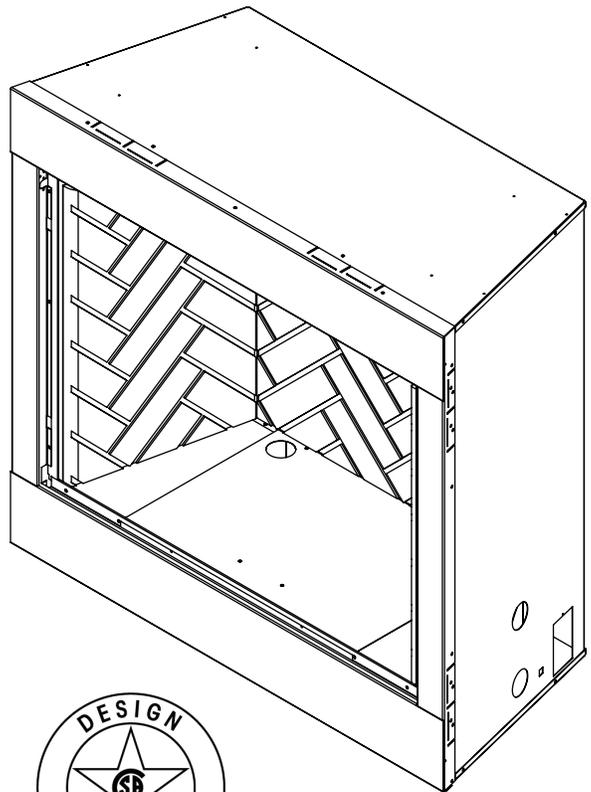
## **⚠ WARNINGS**

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

- Do not store or use gasoline or other flammable vapors and 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.

Carefully review the instructions supplied with the decorative type unvented room heater for the minimum fireplace size requirement.

**DO NOT INSTALL AN APPLIANCE IN THIS FIREBOX UNLESS THIS FIREBOX MEETS THE MINIMUM DIMENSIONS REQUIRED FOR THE INSTALLATION.**



**For use with a listed gas-fired unvented decorative room heater not to exceed 40,000 BTU/hr. Do Not Build a Wood Fire.**

**INSTALLER:** Leave this manual with the appliance.  
**CONSUMER:** Retain this manual for future reference.

**PLEASE READ THE INSTALLATION & OPERATING INSTRUCTIONS BEFORE USING APPLIANCE.**

**Thank you and congratulations on your purchase of a Monessen Vent-Free firebox.**

**IMPORTANT: Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible fire hazard and will void the warranty.**

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**INSTALLER**

Please leave these instructions with the appliance.

**OWNER**

Please retain these instructions for future reference.

**⚠ WARNINGS**

- **Any change to this heater or its controls can be dangerous.**
- **Improper installation or use of the heater can cause serious injury or death from fire, burns, explosion or carbon monoxide poisoning.**
- **Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns.**
- **Do not use a blower insert, heat exchanger insert or other accessory, not approved for use with this heater where applicable.**

1. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
2. Children and adults should be alerted to the hazard of high surface temperature and should stay away to avoid burns or clothing ignition.
3. Young children should be carefully supervised when they are in the same room with the appliance.
4. Do not place clothing or other flammable material on or near the appliance.
5. Any safety screen or guard removed for servicing an appliance, must be replaced prior to operating the heater.
6. Installation and repair should be done by a qualified service person.
7. To prevent malfunction and/or sooting, an unvented gas heater should be cleaned before use at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways be kept clean.
8. **CARBON MONOXIDE POISONING:** Early signs of carbon monoxide poisoning are similar to the flu with headaches, dizziness and/or nausea. If you have these signs, obtain fresh air immediately. Have the heater serviced as it may not be operating properly.
9. The installation must conform with local codes or, in the absence of local codes, with the **National Fuel Gas Code, ANSI Z223.1/NFPA54.**
10. This unit complies with ANSI Z21.91 ventless firebox enclosures for gas-fired unvented decorative room heaters.
11. Do not install heater in a bathroom or bedroom.
12. Correct installation of the logs, proper location of the heater, and annual cleaning are necessary to avoid potential problems with sooting. Sooting, resulting from improper installation or operation, can settle on surfaces outside the fireplace. See log placement instructions for proper installation.
13. Avoid any drafts that alter burner flame patterns. Do not allow fans to blow directly into fireplace. Do not place a blower inside burn area of firebox. Ceiling fans may create drafts that alter burner flame patterns. Sooting and improper burning will occur.
14. **CAUTION:** Candles, incense, oil lamps, etc. produce combustion byproducts including soot. Vent-free appliances will not filter or clean soot produced by these types of products. In addition, the smoke and/or aromatics (scents) may be re-burnt in the vent-free appliance which can produce odors. It is recommended to minimize the use of candles, incense, etc. while the vent-free appliance is in operation.
15. An unvented gas-fired heater uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. See installation guidelines.
16. Keep room area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
17. Unvented gas heaters are a supplemental zone heater. They are not intended to be a primary heating appliance.
18. Unvented gas heaters emit moisture into the living area. In most homes of average construction, this does not pose a problem. In houses of extremely tight construction, additional mechanical ventilation is recommended.
19. During manufacturing, fabricating and shipping, various components of this appliance are treated with certain oils, films or bonding agents. These chemicals are not harmful but may produce annoying smoke and smells as they are burned off during the initial operation of the appliance; possibly causing headaches, or eye or lung irritation. This is a normal and temporary occurrence. The initial break-in operation should last two to three hours with the burner at the highest setting. Provide maximum ventilation by opening windows or doors to allow odors to dissipate. Any odors remaining after this initial break-in period will be slight and will disappear with continued use.

20. Input ratings are shown in BTU per hour and are for elevations up to 2,000 feet. For elevations above 2,000 feet, input ratings should be reduced 4 percent for each 1,000 feet above sea level. Refer to the National Fuel Gas Code.
21. The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).
22. The appliance must be isolated from the gas supply piping system by closing its equipment 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).
23. Do not use this room heater if any part has been under water. Immediately call a qualified service technician to inspect the room heater and to replace any part of the control system and any gas control which has been under water.
24. Never burn solid fuels in a fireplace where a unvented room heater is installed.
25. Always have a fireplace screen in place when the appliance is in operation, and unless other provisions for combustion air are provided, the screen shall have an opening(s) for induction of combustion air.
26. Do not fill spaces around the firebox with insulation or other materials. These spaces must be maintained to prevent the firebox from coming in contact with combustible materials.

**⚠ WARNING!**

**Never connect unit to private (non-utility) gas wells. This gas is commonly known as wellhead gas.**

**IMPORTANT:****PLEASE READ THE FOLLOWING CAREFULLY**

It is normal for fireplaces fabricated of steel to give off some expansion and/or contraction noises during the start up or cool down cycle. Similar noises are found with your furnace heat exchanger or car engine.

**IMPORTANT:****PLEASE READ THE FOLLOWING CAREFULLY**

It is not unusual for gas fireplace to give off some odor the first time it is burned. This is due to the manufacturing process.

**Please ensure that your room is well ventilated during burn off — open all windows.**

It is recommended that you burn your fireplace for at least ten (10) hours the first time you use it. Place the fan switch in the “OFF” position during this time.

**NATIONAL  
FIREPLACE  
INSTITUTE**



**CERTIFIED**  
[www.nficertified.org](http://www.nficertified.org)

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.



**WARNING:** This product and the fuels used to operate this product (liquid propane or natural gas), and the products of combustion of such fuels, can expose you to chemicals including benzene, which is known to the State of California to cause cancer and reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**⚠ WARNING!**

**Do not attempt to burn solid wood fuels, vented gas log sets, or any other combustible in this unvented firebox. Also, do not install a vent-free gas log set in this firebox if the minimum clearance and height requirements of the log set are too large for the firebox.**

The MCUF36 and MCUF42 Series are vent-free fireboxes. They feature a self contained heat-circulating system.

This installation manual will enable you to obtain a safe, efficient and dependable installation of your vent-free firebox.

Do not alter or modify the firebox or its components under any circumstances. Any modification or alteration of the firebox system, including but not limited to the firebox and accessories, may void the warranty, listings and approvals of this system and could result in an unsafe and potentially dangerous installation.

**BEFORE YOU START**

Carefully inspect the contents for shipping damage. If any parts are missing or damaged, immediately inform the dealer from whom you purchased the appliance. Do not attempt to install any part of the appliance unless you have all the parts in good condition.

**MAKE SURE YOU HAVE RECEIVED ALL PARTS**

Check your packing list to verify that all listed parts have been received. You should have the following:

1. Vent-Free Gas Firebox
2. Canopy
3. Installation and Operating Instructions
4. Five (5) sheet metal screws for canopy

**WHAT YOU WILL NEED FOR INSTALLATION****TOOLS and BUILDING SUPPLIES**

- Phillips screwdriver
- Framing materials
- Saw and / or saber saw
- Level
- Measuring tape
- Electric drill and bits
- Fireplace surround materials (noncombustible)
- Caulking material (noncombustible)
- Piping complying with local codes
- Wall finishing materials
- Pipe sealant approved for use with propane/L.P.G. (resistant to sulfur compounds)
- Square
- Hammer
- Tee joint
- Pipe wrench
- Pliers

Refer to the installation instructions provided with the log sets for items required for log set installation.

**Note:** Illustrations shown in this manual reflect "typical" installations with nominal dimensions and are for design and framing reference only. Actual installations may vary due to individual design preferences. However, always maintain minimum clearances to combustible materials and do not violate any specific installation requirements.

In planning the installation for the appliance it is necessary to determine where the unit is to be installed and whether optional accessories are desired. Gas supply piping should also be planned. The following steps represent the normal sequence of installation. Each installation is unique, however, and might require a different sequence.

1. Position firebox prior to framing or into prepared framing.
2. Field wire main power supply to models with fan kit. (Electrical connections should only be performed by an experienced, licensed /certified tradesman).
3. Plumb gas line. (Gas connections should only be performed by an experienced, licensed/certified tradesman).
4. Install vent-free gas log heater per the instructions provided with the vent-free gas log heater.
5. Complete finish wall material, surround and optional hearth extension to your individual taste.

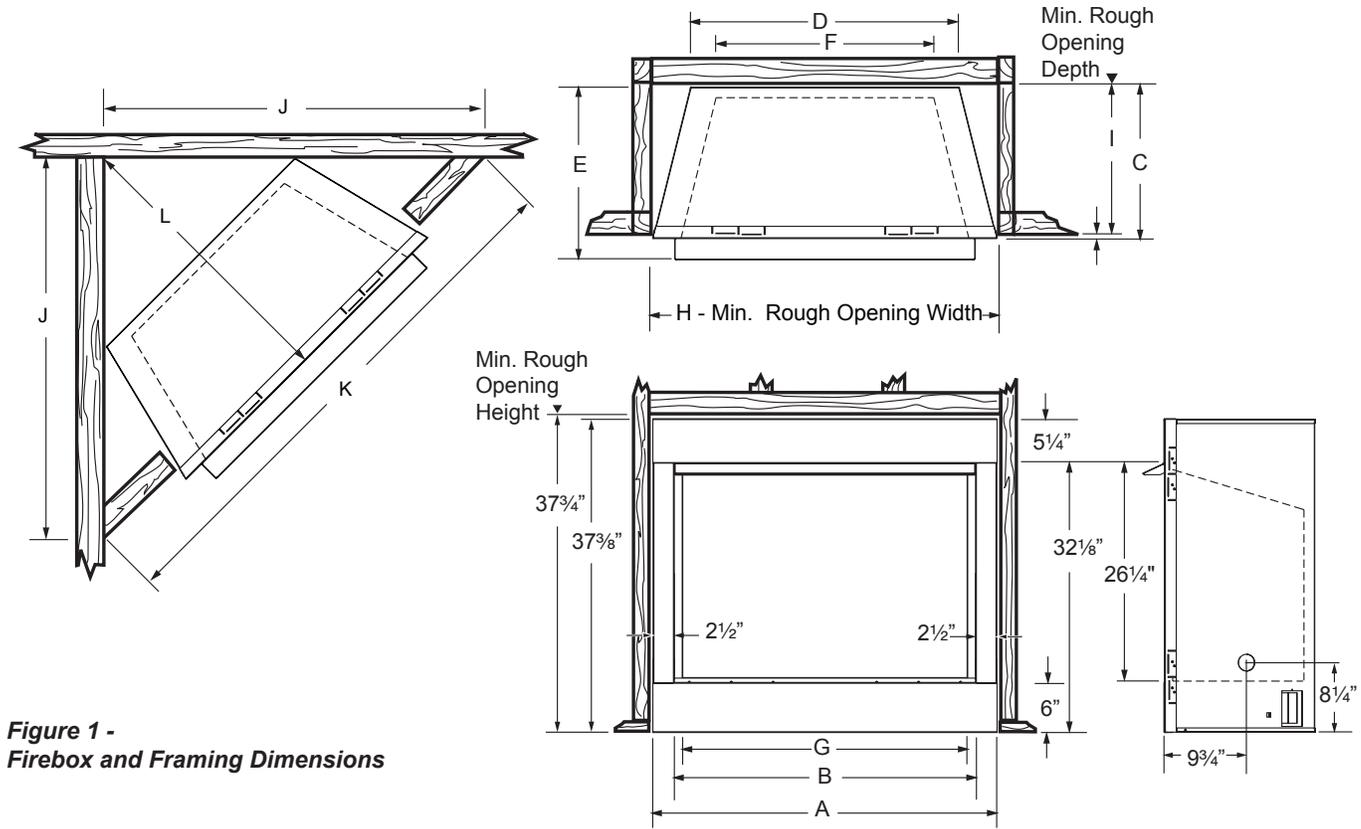
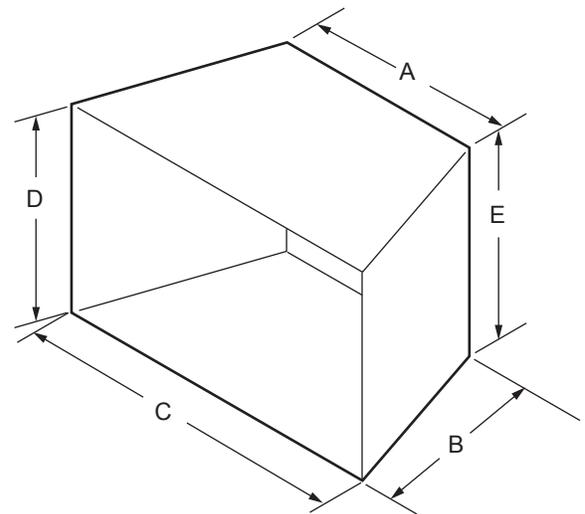


Figure 1 - Firebox and Framing Dimensions

Ref.	MCUF36	MCUF42
A	41 1/4"	47"
B	36"	42"
C	18 1/4"	18 1/4"
D	32"	38"
E	20 3/4"	20 3/4"
F	27 1/4"	33 1/4"
G	33 7/8"	39 7/8"
H	41 1/4"	47 1/4"
I	17 3/4"	17 3/4"
J	48 3/4"	53"
K	68 7/8"	74 7/8"
L	34 1/2"	37 1/2"



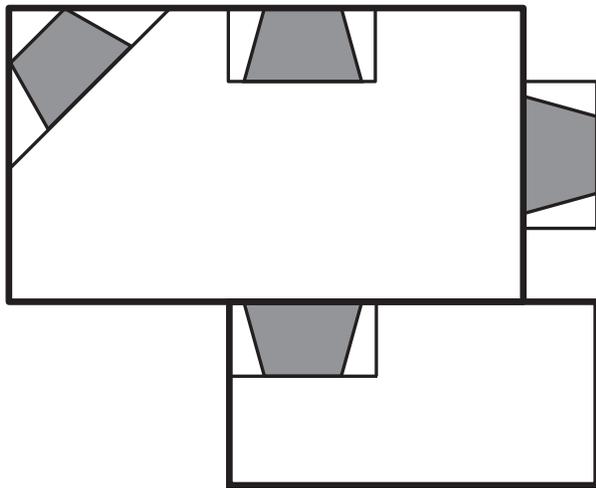
Ref.	MCUF36E-F	MCUF36D-R	MCUF42E-F	MCUF42D-R
A	26 1/4"	25 3/4"	32 1/4"	31 3/4"
B	15"	14 3/4"	15"	14 3/4"
C	32 5/8"	31 1/8"	38 5/8"	38 1/8"
D	25"	25"	25"	25"
E	20 1/2"	20 1/2"	20 1/2"	20 1/2"

Figure 2 - Minimum Hearth Dimensions

**LOCATION OF FIREBOX**

Carefully select the best location for installation of your vent-free firebox. The following factors should be taken into consideration:

- Clearance to side wall, ceiling, woodwork and windows. Refer to “Clearances/Height Requirements on Page 8. Minimum clearances to combustibles **must be maintained**.
- Location must not be affected by drafts caused by kitchen exhaust fans, ceiling fans, return air registers for forced air furnaces / air conditioners, windows or doors.
- Installation must provide adequate ventilation and combustion air.
- Location should be out of high traffic or windy or drafty areas.
- **DO NOT INSTALL WHERE CURTAINS, FURNITURE, CLOTHING OR OTHER FLAMMABLE OBJECTS ARE LESS THAN 42" FROM FRONT OF HEATER.**
- Never obstruct the front opening of the vent-free firebox or restrict the flow of combustion and ventilation air.
- Minimize modifications to existing construction. Refer to Figure 3 below for location suggestions.
- Do not install in the vicinity where gasoline or other flammable liquids may be stored. The vent-free firebox must be kept clear and free from these combustible materials.



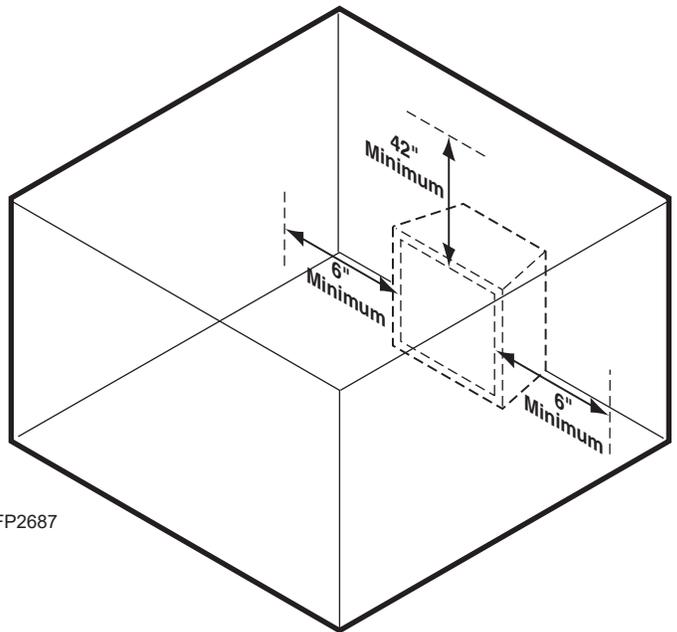
**Figure 3 - Possible Firebox Locations**

**MINIMUM CLEARANCES**

Ensure that minimum clearances shown in Figures 4 through 7 are maintained. Left and right clearances are determined when facing the front of the firebox.

Follow these instructions carefully to ensure safe installation. Failure to follow these requirements may create a fire hazard.

1. **Sidewall clearances:** The clearance from the inside of the appliance to any combustible wall should not be less than 6". *Figure 4*
2. **Ceiling clearance:** The ceiling must be at least 42" from the top of the firebox opening. *Figure 4*
3. **Back wall clearance:** The appliance may be placed against a combustible back wall.



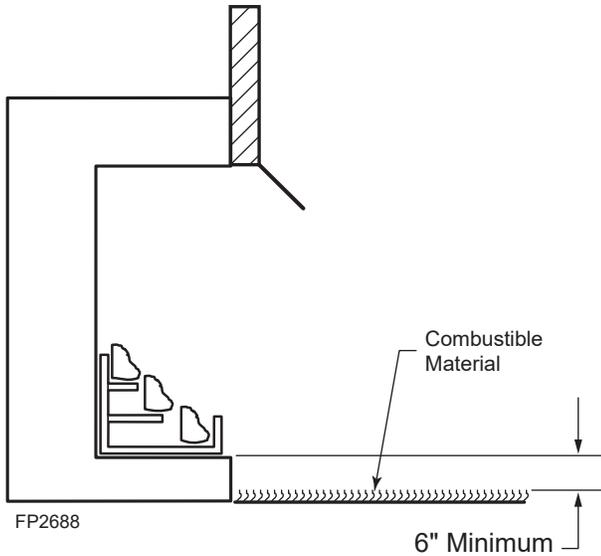
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**Figure 4 - Clearance and Height Requirements**

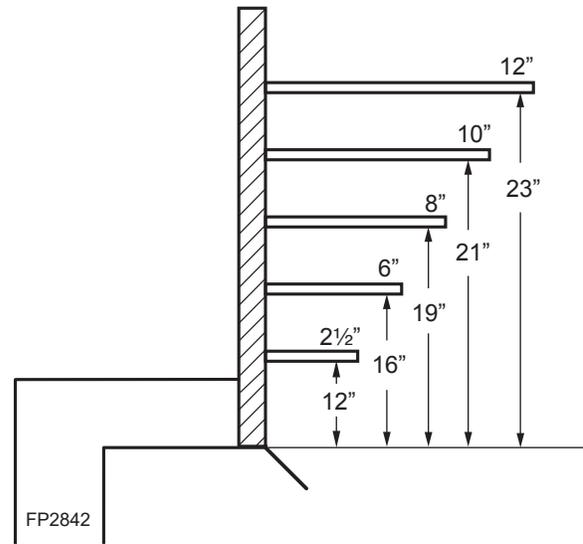
4. **Floor clearance:** This inner chamber firebox floor must be installed at least 6" above any combustible flooring material, such as carpeting or asphalt tile, which is closer than 14" to the base of the firebox. *Figure 5*

**Or**

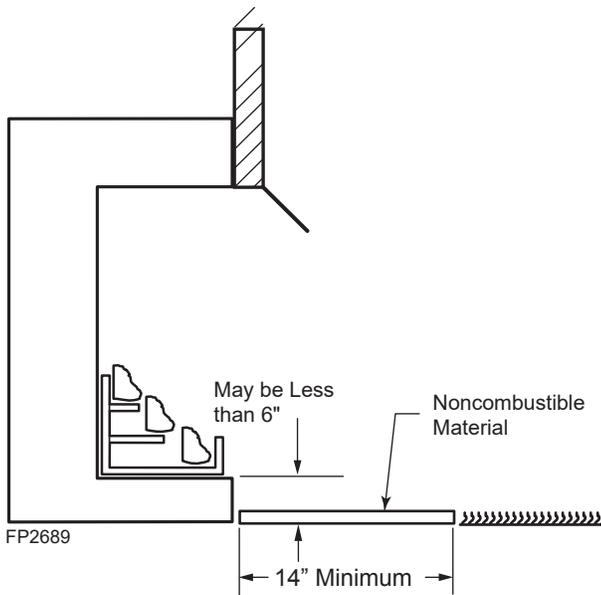
The inner chamber firebox floor may be installed nearer to the floor if a minimum of 14" of noncombustible material such as slate or marble is installed between the base of the firebox and the combustible flooring. *Figure 6*



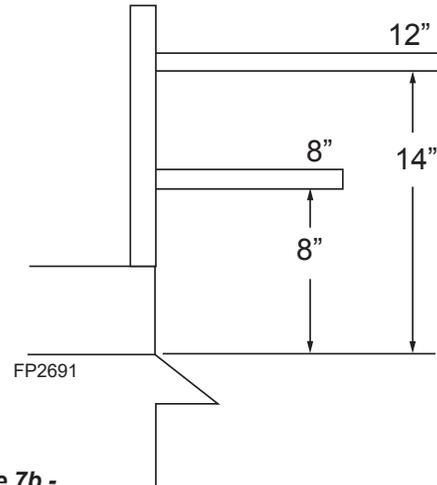
**Figure 5 -**  
**Minimum Clearance above Combustible Flooring**



**Figure 7a -**  
**Mantel Clearances**



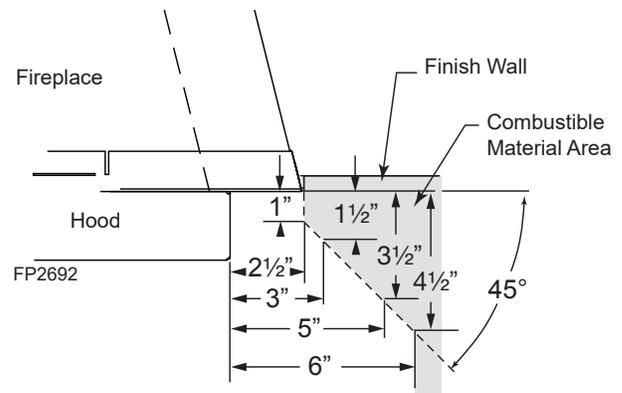
**Figure 6 -**  
**Minimum Clearances above Combustible Flooring with Noncombustible Material Installed at Base of Fireplace**



**Figure 7b -**  
**Mantel Clearances for Wide Profile Canopy Only**

5. **Mantel clearances:** The canopy supplied with the unit must be installed. If a combustible mantel is installed, it must meet the clearance requirements as shown in *Figure 7a*. However, if lower mantel height is desired, refer to *Figure 7b*.

**NOTE:** The Monessen Barrington Cabinet Mantel Model series BWC300, BWC400 and BWC500 are specially designed to comply with all mantel temperature requirements. Any custom-built mantel must comply with all clearance requirements shown in this instruction manual.



**Figure 8 -**  
**Mantel Leg Clearance**

Firebox framing can be built before or after the appliance is set in place. Construct firebox framing following *Figure 1*. Refer to *Figure 1 on Page 6* for firebox dimensions. The framing headers may rest on the top of the firebox.

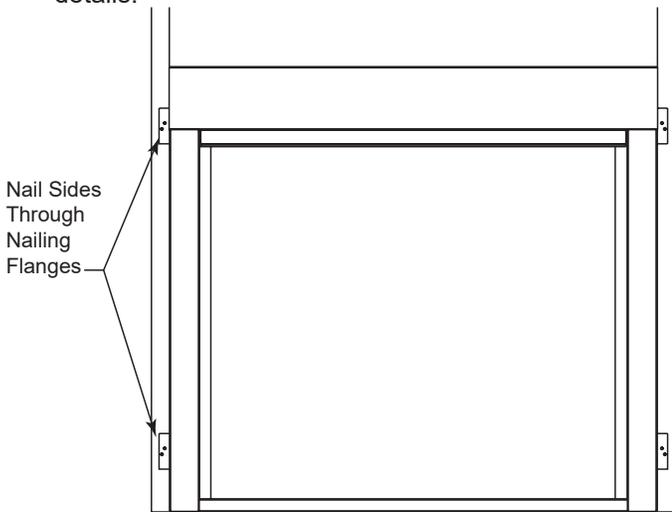
The firebox may be installed directly on a combustible floor or raised on a platform of an appropriate height. When the firebox is installed directly on carpeting, tile, or other combustible material, other than wood flooring, the firebox shall be installed on a metal or wood panel extending the full width and depth of the enclosure.

Combustibles may not come any closer to the top of the enclosure than the standoffs will allow.

**⚠WARNING!**

**Do not fill spaces around firebox with insulation or other materials. This could cause a fire.**

1. Bend out the nailing flanges located on each side of the firebox.
2. Slide the firebox into prepared framing or position firebox in its final position and frame later.
3. Level the firebox by checking the top edge of the firebox. Shim if necessary.
4. Anchor firebox to the side framing members using 8d nails or other suitable fasteners. *Figure 9*
5. The canopy must be installed for safe operation of the heater. Refer to *Page 11* for canopy installation details.



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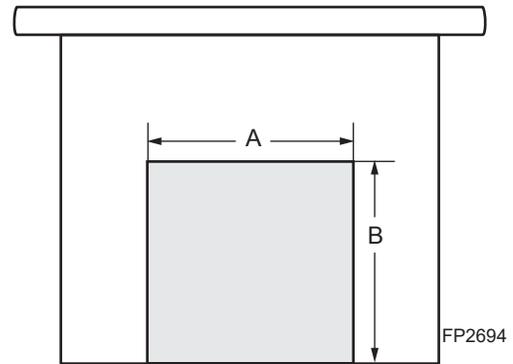
**Figure 9 - Side Nailing Flanges**

**⚠WARNING!**

**The fireplace must be installed giving full consideration to the clearance and height requirements identified in this manual.**

When finishing a custom cabinet, mantel, or other built-in enclosure, the opening size to accommodate the fireplace with trim installed is as follows:

	MCUF36 w/Trim	MCUF42 w/Trim
A	42"	47¾"
B	38⅞"	38⅞"



**Figure 10 - Custom Cabinet**

**⚠ WARNING!**

**Plumbing connections should only be performed by a qualified, licensed plumber. Main gas supply must be off when plumbing gas line to fireplace or performing service.**

Consult all local codes. All gas piping must be installed to comply with local codes, or in the absence of local codes, with the latest edition of the National Fuel Gas Code ANSI Z223.1/NFPA54.

Remove the baseplate for ease of gas line installation. Remove three (3) screws along the front edge of the baseplate. Remove four (4) screws which secure the baseplate to the combustion casing (two at rear and one along each side). Replace baseplate prior to connecting gas line to heater. Consult heater installation and operating instructions for correct installation of the heater into the firebox.

The 1/2" gas line may enter either from the left side or right side of the firebox. Gas access holes are provided on both sides of the firebox.

A listed manual shutoff valve must be installed upstream of the appliance. A union tee and plugged 1/8" NPT pressure tapping point should be installed upstream of the appliance.

**IMPORTANT:** Install main gas valve (equipment shutoff valve) in an accessible location. The main gas valve is for turning on or shutting off the gas to the fireplace.

A sediment trap may be upstream of the heater to prevent moisture and contaminants from passing through trap to the heater controls and burners. Failure to do so could prevent the heater from operating reliably. Consult applicable codes.

An external regulator must be used on all propane / L.P.G. heaters, in addition to the regulator fitted to the heater, to reduce the supply tank pressure to 13" w.c. (maximum). Any copper tubing used to supply propane / L.P.G. from the tank must be internally tinned.

**NOTE: When connecting propane / L.P.G. vent-free room heaters, you must use pipe sealant resistant to propane / L.P.G.**

**IMPORTANT: Hold heater regulator with a wrench to prevent movement when connecting to inlet piping.**

**Check gas type: The gas supply must be the same as stated on the heater's rating plate. If the gas supply is different, DO NOT INSTALL THE HEATER. Contact your dealer for the correct model.**

**⚠ WARNING!**

**Connecting directly to an unregulated propane / L.P.G. tank can cause an explosion.**

**⚠ WARNING!**

**Do not connect directly to natural gas 1/2 PSI or 2 PSI systems. Always make sure natural gas pressure is regulated 10.5 w.c. (maximum before operating the unit).**

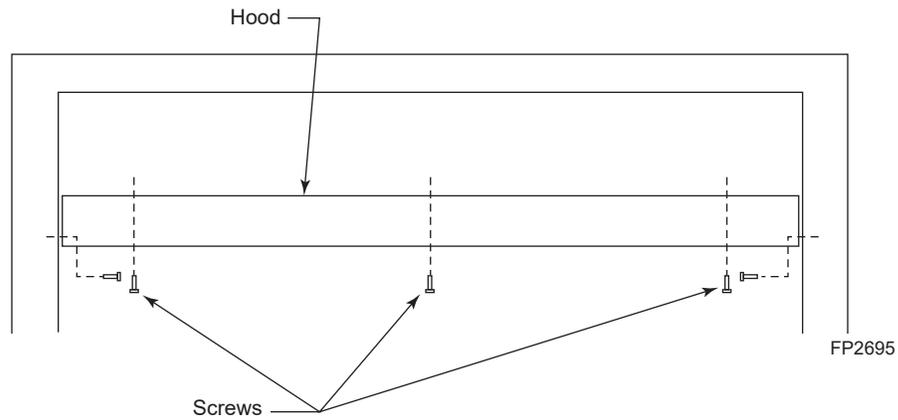
After completing connection, test all gas joints from the gas meter to the gas heater regulator for leaks. Using soap and water solution or a gas sniffer. **DO NOT USE AN OPEN FLAME.**

A canopy is furnished with each firebox and **MUST** be installed for safe operation. *Figure 11*

**⚠ WARNING!**  
 Close fireplace screen panel before operating a decorative type unvented room heater.

**⚠ WARNING!**  
 The firebox canopy must not be modified or replaced with a canopy that may be provided with the unvented decorative room heater.

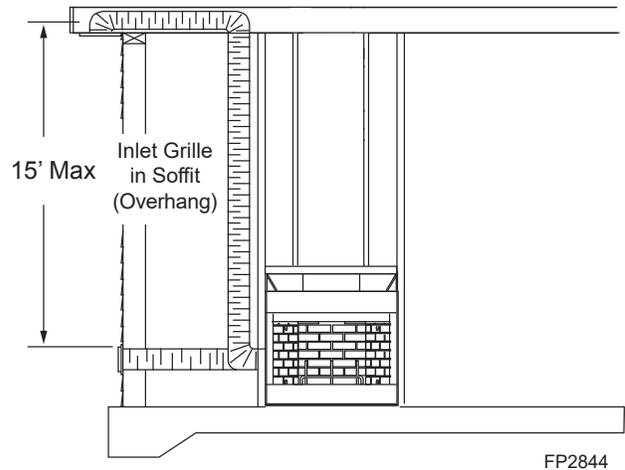
1. Remove the three (3) screws from the top front frame assembly. Also remove the two (2) screws on the side frames. *Figure 11*
2. Align the canopy with the holes in the top frame.
3. Replace the screws previously removed.
4. Tighten side screws. Make sure the canopy is level and secure.



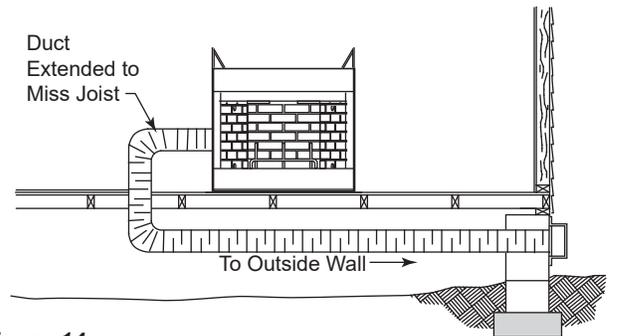
**Figure 11 -  
 Canopy Installation**

**COMBUSTION AIR**

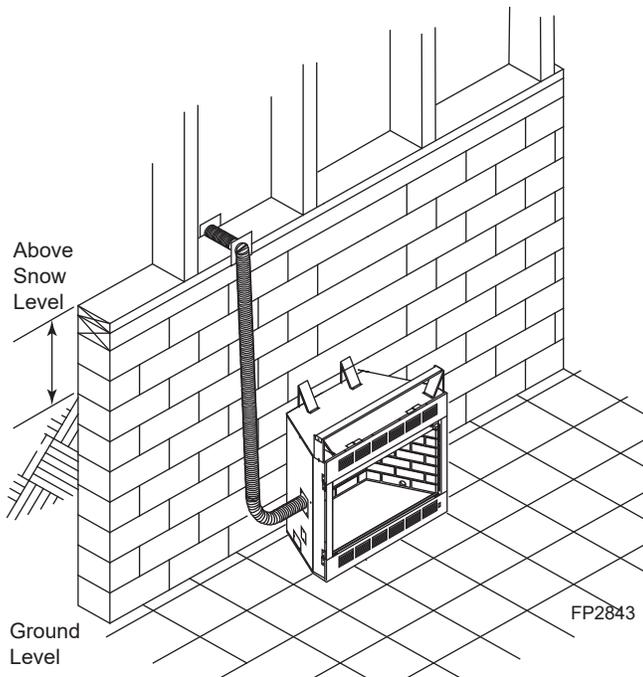
1. Locate combustion air assembly at an exterior location which is not likely to be accidentally blocked in any manner. Locate assembly a min. of 12" above the snow line to prevent blockage by snow accumulation.
2. Never mount the combustion air inlet assembly in a garage or storage area where combustible fumes such as gasoline might be drawn into the fireplace.
3. Combustion air can be drawn from the crawl space under a house when an adequate supply of air is provided by open ventilation.
4. **CAUTION: Do not take combustion air from attic space or garage space.**
5. Locate air supply inlet at least 3' away from any appliance vent terminal.
6. Avoid extremely long runs and numerous turns in the duct leading from the fireplace to the combustion air assembly. These conditions increase the resistance to the free flow of air through the duct. Refer to Figures 12 through 15 for methods of installing the outside air for combustion assemblies.



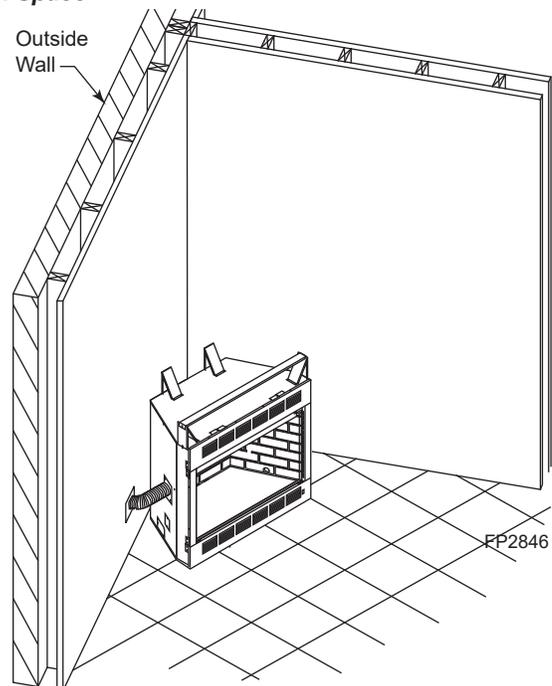
**Figure 13 - Concrete Slab Installation (Optional Outside Air Runs)**



**Figure 14 - Installation Above Basement or Crawl Space**



**Figure 12 - Basement Installation**



**Figure 15 - 45° Corner Installation on Slab Floor**

**⚠WARNING!**

**DO NOT remove the cover if the outside air will not be connected.**

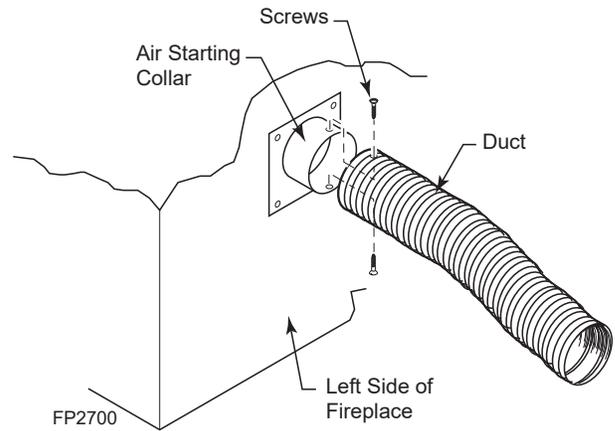
The use of outside air for combustion is optional unless required by building codes. It is only necessary to supply outside combustion air to one side of the fireplace. Use the model AK4 combustion air kit.

**MODEL AK4 COMBUSTION AIR ASSEMBLY**

1. Remove the cover plate from the 4" outlet opening location on the left or right outside of the fireplace.
2. Place the insulation ring between the AK4 starting collar and fireplace wall.
3. Place the starting collar (4") into the hole on the side of fireplace. Fasten it in place with the four sheet metal screws provided. *Figures 16 and 17*

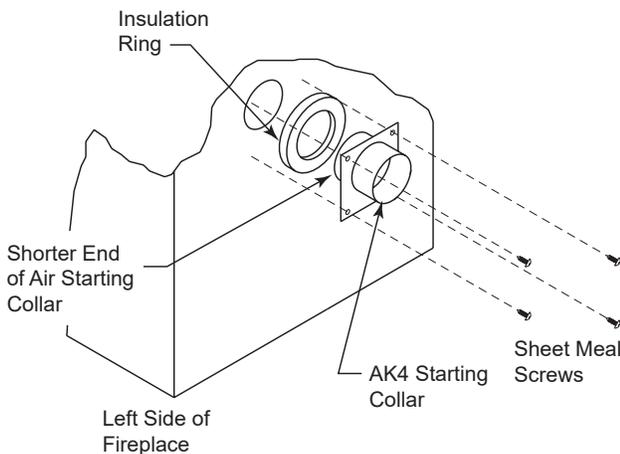
**NOTE:** The air starting collar extends through the fireplace outer wrap. When the air starting collar is securely attached, it will form a seal against the fireplace wall.

4. Attach outside duct to starting collar with duct clamp or screws. *Figure 17*



**Figure 17 - Attach Outside Duct to Starting Collar**

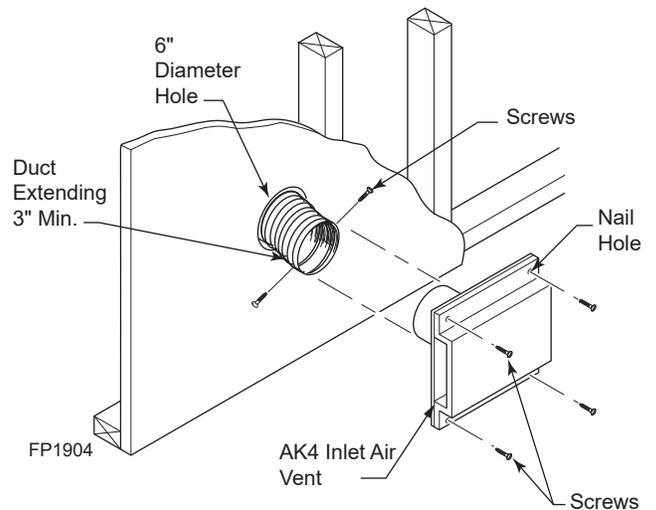
5. Cut a 6-inch diameter opening for model AK4 in the outside wall covering where the outside vent is to be located. *Figure 18*
6. Select and cut a piece of duct long enough to attach to the fireplace and stick out at least 3" beyond the face of the wall to which the AK4 inlet air vent will be attached. *Figure 17*



**Figure 16 - Attach Outside Air Starting Collar and Insulation Ring to Left Side of Fireplace**

**⚠WARNING!**

**Use FP-4 U duct for maximum efficiency and safety. Do not use a combustible duct. Always use UL Listed Class 0 or 1 duct material.**



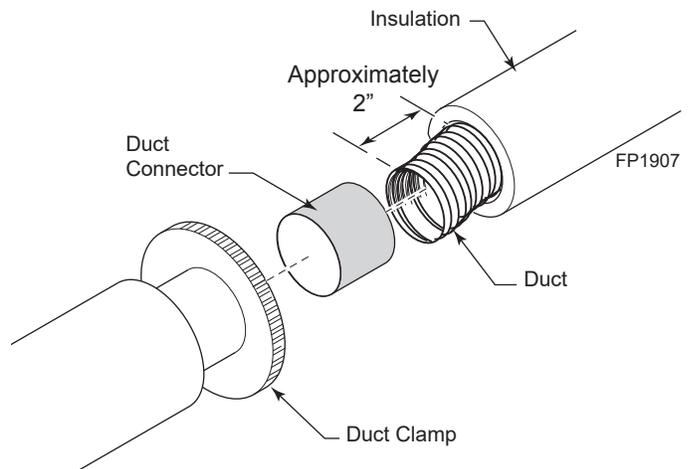
**Figure 18 - Combustion Air Assembly for Model AK4**

7. If the duct is the insulated type, push the insulation back from one end of the duct approximately 2". *Figure 19*
8. Slip the exposed end of the duct over the starting collar on the fireplace.
9. Using the sheet metal screws provided, secure the duct end to the collar attached to the fireplace.
10. Nail or screw the combustion air assembly to the surface of the wall.

**NOTE:** If the wall covering is brick or stone, use appropriate masonry fasteners. If necessary, splice the duct. Use a model 403-duct connector to splice duct sections.

**INSTALL MODEL 403 DUCT CONNECTOR**

1. Push insulation back approximately 2" from the end of each duct.
2. Slip each duct over duct connector until an equal length of connector extends into each duct.
3. Place duct clamp over the end of each duct. Tighten duct clamp down snugly.
4. Push insulation back into place and over duct clamp.



**Figure 19 -  
Install Duct Connector 403**

► **OPTIONAL TRIM**

Optional trim kits can be used with unit when installed as a free standing fireplace with wood surround.

**OPTIONAL WIDE CANOPY**

The optional wide canopy can be installed. See installation instructions provided with kit.

**FORCED AIR KIT (BLOTMC)**

If you are installing the forced air kit, Model BLOTMC, on MCUF36 or MCUF42 models, refer to the installation instructions provided with the kit for electrical wiring requirements, or the blower installation section. The firebox must be connected to main power supply at time of firebox installation. The blower must be installed prior to the installation of the vent-free heater. The electrical connections must be made before the firebox is framed and enclosed in the finished walls.

Any of the original wire as supplied with the fireplace must be replaced. Contact dealer for proper replacement wiring harness. (see parts list for part number). 120 volts, 60Hz, 1 amp.

Electrical power cord (plug) can be routed to exit the MCUF36/MCUF42 on either the left side or the right side. Remove cord protector from side of unit, route power cord through hole opposite side. Reinstall cord protector.

**IMPORTANT:** Always check local building codes. The installation must comply with local regulations as well as the national electric codes.

**⚠ WARNING!**

Electrical connections should only be performed by a qualified, licensed electrician, main power must be off when connecting to main electrical power supply or performing service.

The blower when installed, must be electrically grounded in accordance with local codes or in the absence of local codes, with the National Electrical Code ANSI Z.223.1/NFPA 70.

**⚠ WARNING!**

This fireplace has a three-prong, grounded electrical plug. This plug helps protect you against electrical shock. Only connect plug to a properly grounded, three-prong receptacle. Do not cut or remove the grounded prong from this plug.

**⚠ WARNING!**

Never attempt to service heater while it is plugged in, operating, or hot. Burns and/or electrical shock could result.

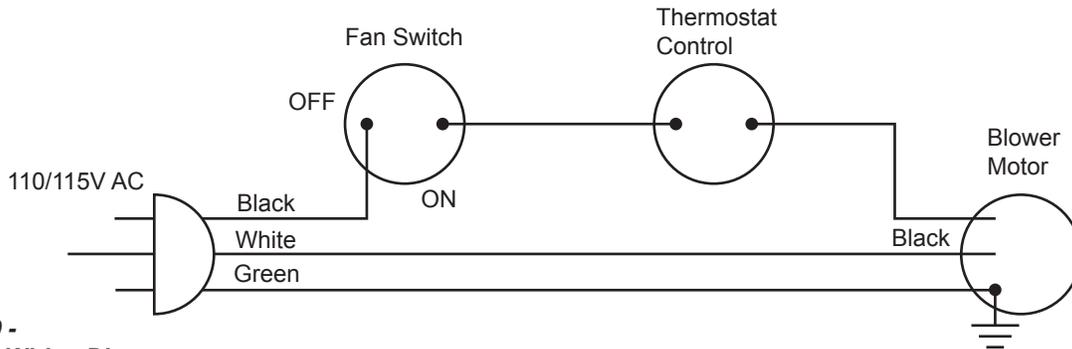


Figure 20 - BLOTMC Wiring Diagram

**JUNCTION BOX WIRING**

1. This should be done before framing the fireplace. Wire the receptacle into an electrical circuit. Wire with minimum 60° C wire in accordance with prevailing codes.
2. Remove the external junction box cover by removing the screw from the side of the outside firebox wall. Junction box was installed at the factory.
3. The junction box cover has a factory installed “romex” style strain relief connector. After connecting the wires, route the wire leads through this connector. Refer to the wiring diagram in Figure 21.

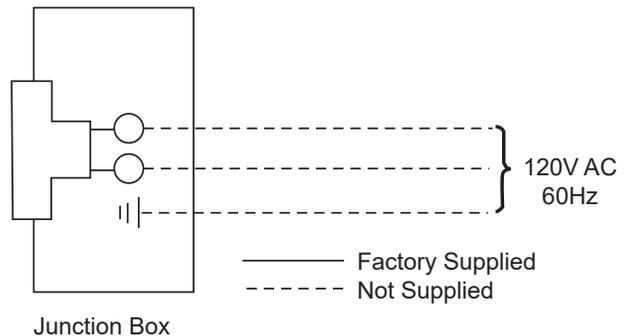


Figure 21 - Junction Box Wiring Diagram



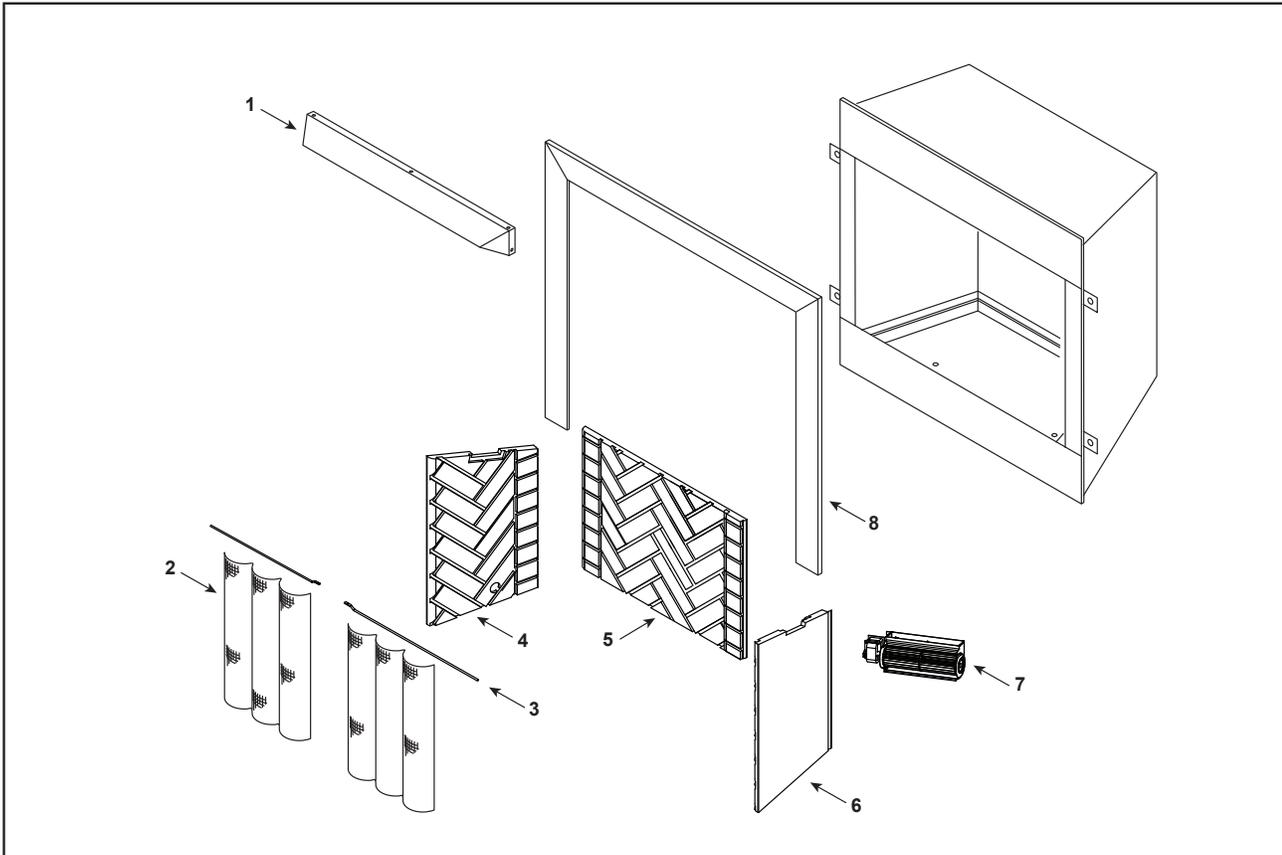
Service Parts

MCUF36

36" Magnum Unvented Firebox

Beginning Manufacturing Date: N/A  
Ending Manufacturing Date: Active

MCUF36E-F - Ending Manufacturing Date: July 2017  
MCUF36D-R - Active



IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.



Stocked at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	Stocked at Depot
1	Canopy		71D0011K	Y
2	Screen Panel	Qty 2 req	SRV26D4562	Y
3	Screen Rod	Qty 2 req	26D0132K	
4	Left Refractory	MCUF36E-F	20302361K	
		MCUF36D-R	71D3012K	
5	Rear Refractory	MCUF36E-F	20302360K	
		MCUF36D-R	71D3010K	
6	Right Refractory	MCUF36E-F	20302359K	
		MCUF36D-R	71D3011K	
7	Blower w/Rheostat		BLOTMC	
8	Black Trim, Curved Design		BLTKM36C	
	Outside Air Kit		AK4	



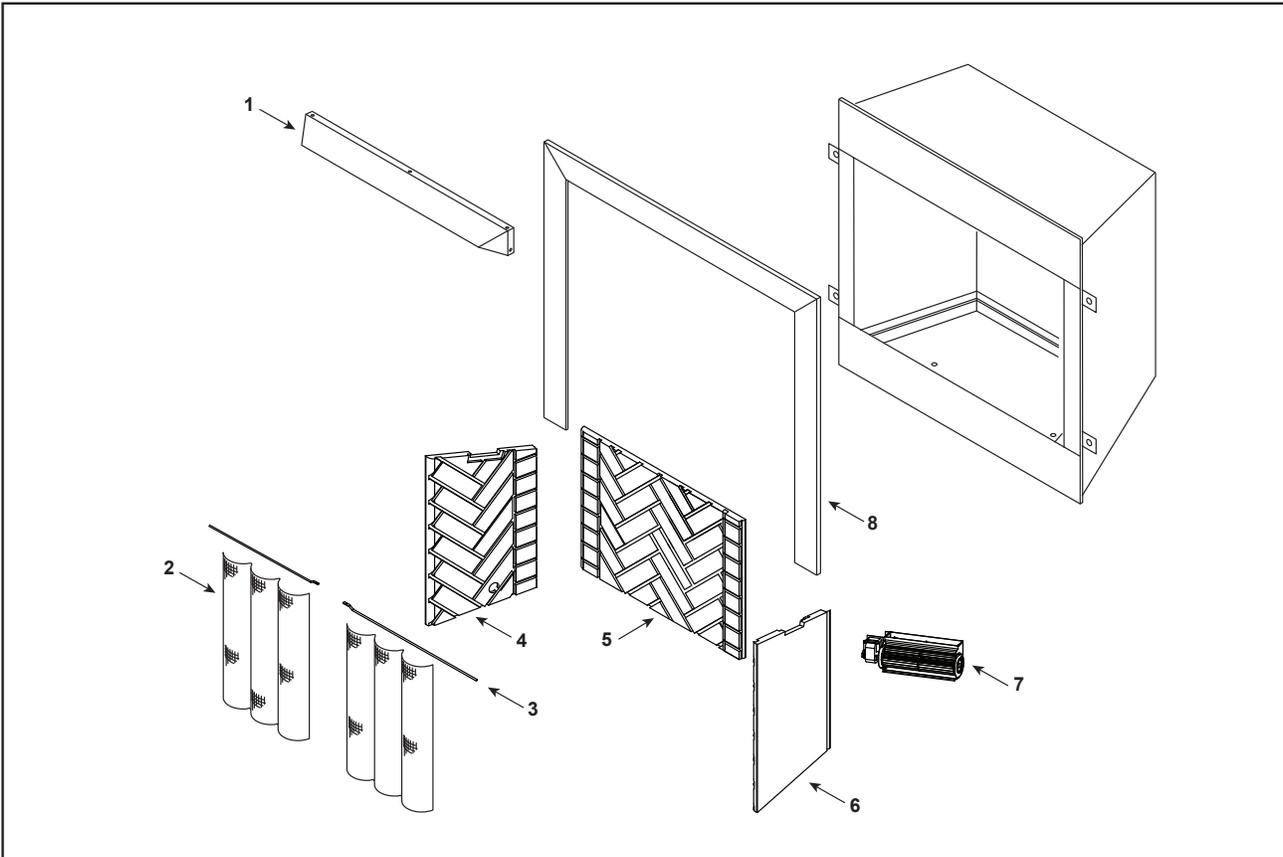
Service Parts

MCUF42

42" Magnum Unvented Firebox

Beginning Manufacturing Date: N/A  
Ending Manufacturing Date: Active

MCUF42E-F - Ending Manufacturing Date: July 2017  
MCUF42D-R - Active



IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.



Stocked at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	Stocked at Depot
1	Canopy		71D1000K	
2	Screen Panel	Qty 2 req	SRV26D4562	Y
3	Screen Rod	Qty 2 req	26D0133K	
4	Left Refractory	MCUF42E-F	20302361K	
		MCUF42D-R	71D3012K	
5	Rear Refractory	MCUF42E-F	20302365K	
		MCUF42D-R	71D3504K	
6	Right Refractory	MCUF42E-F	20302359K	
		MCUF42D-R	71D3011K	
7	Blower w/Rheostat		BLOTMC	
8	Black Trim, Curved Design		BLTKM42C	
	Outside Air Kit		AK4	

**Hearth & Home Technologies  
LIMITED LIFETIME WARRANTY**

Hearth & Home Technologies, on behalf of its hearth brands (“HHT”), extends the following warranty for HHT gas, wood, pellet and electric hearth appliances that are purchased from an HHT authorized dealer.

**WARRANTY COVERAGE:**

HHT warrants to the original owner of the HHT appliance at the site of installation, and to any transferee taking ownership of the appliance at the site of installation within two years following the date of original purchase, that the HHT appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. HHT, at its own discretion, may fully discharge all of its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchase price of the product. This warranty is subject to conditions, exclusions and limitations as described below.

**WARRANTY PERIOD:**

Warranty coverage for consumers begins at the date of installation. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized HHT dealer/distributor, whichever occurs earlier. However, the warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date. The warranty period for parts and labor for covered components is produced in the following table.

The term “Limited Lifetime” in the table below is defined as: 20 years from the beginning date of warranty coverage for gas appliances, and 10 years from the beginning date of warranty coverage for wood and pellet appliances. These time periods reflect the minimum expected useful lives of the designated components under normal operating conditions.

Warranty Period		HHT Manufactured Appliances and Venting					
Parts	Labor	Gas	Pellet	Wood	Electric	Venting	Components Covered
1 Year		X	X	X	X	X	All parts including handles, external enameled components and other material except as covered by Conditions, Exclusions, and Limitations listed
2 years			X	X			Igniters, Auger Motors, Electronic Components, and Glass
		X					Electrical components limited to modules, remotes/wall switches, valves, pilots, blowers, junction boxes, wire harnesses, transformers and lights (excluding light bulbs)
		X		X			Molded Refractory Panels, Glass Liners
3 years			X				Firepots, burnpots, mechanical feeders/auger assemblies
5 years	1 year	X					Vent Free Burners, Vent Free Logs
			X	X			Castings, Medallions and Baffles
6 years	3 years			X			Catalyst - Limitations Listed
7 years	3 years		X	X			Manifold tubes, HHT Chimney and Terminations
10 years	1 year	X					Burners, logs and refractory
Limited Lifetime	3 years	X	X	X			Firebox and heat exchanger, FlexBurn® System (engine, inner cover, access cover and fireback)
1 Year	None	X	X	X	X	X	All replacement parts beyond warranty period

See conditions, exclusions and limitations on the next page

### **WARRANTY CONDITIONS:**

- This warranty only covers HHT appliances that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the HHT appliance remains at the site of original installation.
- This warranty is only valid in the country in which the HHT authorized dealer or distributor that sold the appliance resides.
- Contact your installing dealer for warranty service. If the installing dealer or distributor is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.
- Limited Catalyst Warranty
  - For wood burning products containing a catalyst, the catalyst will be warranted for a six-year period to the original purchaser at the site of original installation. The purchaser must provide the name, address, and telephone number of the location where the product is installed, proof of original purchase date, date of failure, and any relevant information regarding the failure of the catalyst.

### **WARRANTY EXCLUSIONS:**

This warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period are not covered. These parts include: paint, wood and pellet gaskets, firebricks, grates, flame guides, batteries and the discoloration of glass.
- Expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the appliance in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the appliance; (2) failure to install the appliance in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operation instructions; (7) installation or use of components not supplied with the appliance or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the appliance.
- Non-HHT venting components, hearth connections or other accessories used in conjunction with the appliance.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- HHT's obligation under this warranty does not extend to the appliance's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to the appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

### **This warranty is void if:**

- The appliance has been over-fired, operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, deformation/warping of interior cast iron structure or components, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

### **LIMITATIONS OF LIABILITY**

- The owner's exclusive remedy and HHT's sole obligation under this warranty, under any other warranty, express or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above. In no event will HHT be liable for any incidental or consequential damages caused by defects in the appliance. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you may also have other rights, which vary from state to state. EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE.



LOVE AT FIRST LIGHT

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