

INSTALLER:

Leave this manual with the appliance.

CONSUMER:

Retain this manual for future reference.

WARNING: If the information in these instructions is not followed exactly a fire or explosion may result causing property damage, personal injury or death.

FOR YOUR SAFETY

Do not store or use gasoline or other flammable vapours 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 neighbour'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.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases unless a certified kit is used.

This appliance is suitable for installation in a bedroom or bed sitting room.



SERIAL #

**CASCO / CAMDEN
INSTALLATION AND
OPERATING INSTRUCTIONS**



**MODEL: CASCO / CAMDEN
SERIES: B
DIRECT VENT FIREPLACES**



Visit www.pacificenergy.net for the most up-to-date version of this manual

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**NATIONAL
FIREPLACE
INSTITUTE**



CERTIFIED

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.

Important Note for the Commonwealth of Massachusetts

From Massachusetts Rules and Regulations 248 CMR 5.08:

(a) For all side wall horizontally vented gas fuelled equipment i finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied.

1. **INSTALLATION OF CARBON MONOXIDE DETECTORS.** At the time of installation of the side wall horizontal vented gas fuelled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed, in addition, the installing plumber or gas fitter shall observe that a battery operated or hard-wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fuelled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard-wired carbon monoxide detectors.

a. In the event that the side wall horizontally vented gas fuelled equipment is installed in a crawl space or an attic, the hard-wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision cannot be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. **APPROVED CARBON MONOXIDE DETECTORS.** Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed as IAS certified.

3. **SIGNAGE.** A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fuelled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

4. **INSPECTION.** The state or local gas inspector of the side wall horizontally vented gas fuelled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.089(2)(a) 1 through 4.

(b) **EXEMPTIONS.** The following equipment is exempt from 248 CMR 5.089(2)(a) 1 through 4.

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontal vented gas fuelled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) **MANUFACTURER REQUIREMENTS - -- GAS EQUIPMENT VENTING SYSTEM PROVIDED.** When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) **MANUFACTURER REQUIREMENTS - -- GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED.** When the manufacturer of a Product Approved side wall horizontally vented gas fuelled equipment does not provide the parts for venting the fuel gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer.

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and

2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e)) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fuelled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Caution


FOR YOUR SAFETY - Do not install or operate your Pacific Energy fireplace without first reading and understanding this manual. Any installation or operational deviation from the following instructions voids the Pacific Energy Warranty and may prove hazardous.

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


This 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).

Do not use the fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.

This fireplace is equipped with a micro mesh safety screen for your protection and must be installed with the unit. Removal of the safety screen will cause the fireplace to become a burn and fire hazard.



DANGER



HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed for the protection of children and other at-risk individuals.

Safety

- Due to high temperatures, this gas appliance should be located out of traffic and away from furniture and draperies.
- Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns.

A physical barrier is provided if there are at risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at risk individuals out of the room and away from hot surfaces.

- Clothing or other flammable material should not be placed on or near the appliance.
- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with the appliance and shall be installed.
- If the barrier becomes damaged, the barrier shall be replaced with the manufactures' barrier for this appliance.
- Any grill, panel or door removed for servicing the unit must be replaced prior to operating.
- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and 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 of the appliance be kept clean.
- This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.
- It is our policy that no responsibility is assumed by the Company or by any of its employees or representatives for any damages caused by an inoperable, inadequate, or unsafe condition which is the result, either directly or indirectly, of any improper operation or installation procedures.

Congratulations on your purchase of a Pacific Energy Gas Fireplace.

Your fireplace has been professionally installed by:

Dealer name: _____

Phone Number: _____

If you discover any problems with your gas fireplace contact your dealer immediately to have the unit repaired.

Caution: Do not attempt to repair the fireplace yourself, you may cause injury to yourself or others and risk causing damage to the unit.

Before operating your fireplace, carefully read this manual and pay close attention to all Safety Warnings. The manual contains important information on the unit's safe operation and maintenance.

First Fire

When lit for the first time, the fireplace will emit a slight odour for a couple of hours. This is due to the curing of paints, sealants, gaskets, and lubricants used in the manufacturing process. This condition is temporary. Open doors and windows to ventilate the area. Odour caused by the curing process may cause discomfort to some individuals.

It is normal for fireplaces fabricated from 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 cook stove oven.

NOTE: Pilot may take up to 30 seconds to ignite each time the "ON" button has been selected

Remote Control Operation

System Description

The Proflame 2 Remote Control System consists of two elements:

1. Proflame2 Transmitter.
2. Proflame2 Integrated Fireplace Control (IFC) board and a wiring harness to connect the IFC to the gas valve and stepper motor.

Transmitter (Remote Control with LCD Display)

The Proflame 2 Transmitter uses a streamline design with a simple button layout and informative LCD display (Figure 1). The transmitter is powered by 3 AAA type batteries. A Mode key is provided to Index between the features and a Thermostat key is used to turn on/off or index through thermostat functions (Figure 1) & (Figure 2).



Figure 1: Proflame 2 remote control Transmitter.

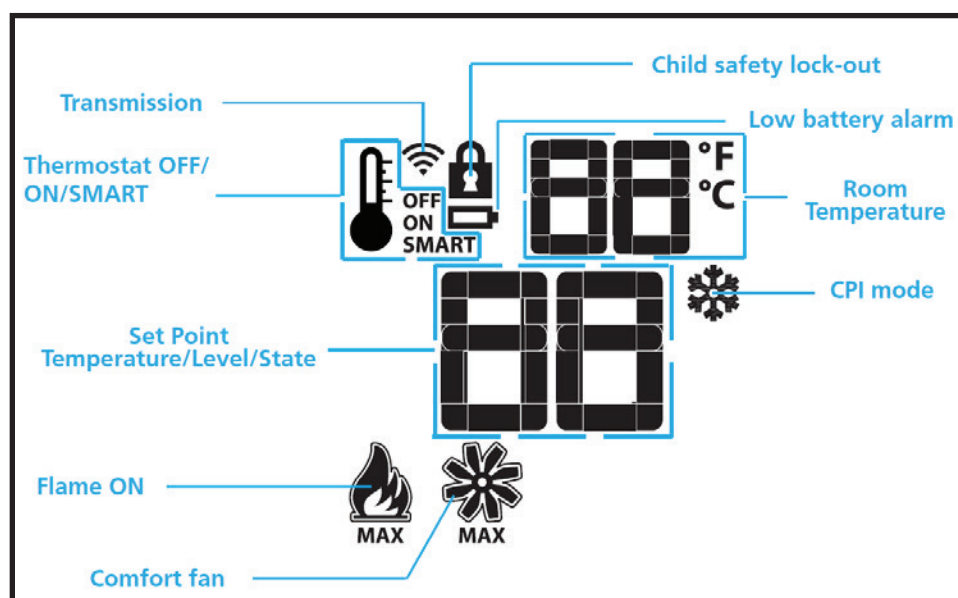


Figure 2: Proflame 2 LCD screen detail.

IFC Module

The Proflame 2 Integrated Fireplace Control (IFC) module (Figure 3) is a device that allows automatic ignition and pilot flame supervision, and commands the functions of the hearth Fireplace. It's configured to control the ON/OFF main burner operation, giving the choice of both IPI (intermittent pilot ignition), and CPI (continuous pilot ignition) modes. The Proflame2 IFC module controls and connects directly to the pilot assembly and the automatic valve using low electric power.

The IFC module can be powered by both an AC power supply, and battery pack for back up. The Proflame 2 offers the added ability to control the comfort fan speed from OFF through six (6) speeds, a remotely actuated auxiliary outlet and a dimmable light outlet. The external batteries can provide DC power to the IFC allowing the batteries to be used only when line power is interrupted or lost, and if the Fireplace does not use a combustion fan.

Operating Procedure

Initializing the System for the first time

1. Install 4 AA batteries into the battery holder (Figure 4) located on the rear side behind the surround below the firebox. Install the ON/OFF switch cover (Figure 5) over top of the battery bay. Make sure that the selection switch is on the "Remote" setting.
2. Install 3 AAA batteries into the Proflame2 Remote Transmitter (Figure 1).
3. Plug the power cord into the Brentwood/Broadway and open the gas supply line.
4. Insert a straightened paper clip into the opening marked "PRG" of the ON/OFF battery bay cover (Figure 4) or (Figure 5) and press the program button once. The module will beep 3 times indicating that it is ready to synchronize with a remote transmitter.
5. On the remote transmitter, push the power on button once. The remote transmitter will beep 4 times to indicate that the remote transmitter and the control module are now synchronized. The remote transmitter is now ready to use.

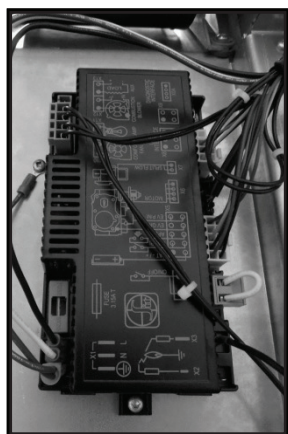


Figure 3: IFC module.

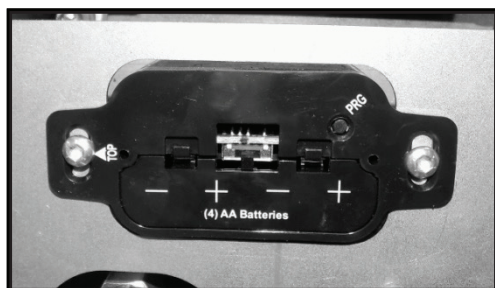


Figure 4: On-off switch.



Figure 5: On-off switch cover.

Temperature indication Display

With the system in the “OFF” position, press the Thermostat Key and the Mode Key at the same time. Look at the LCD screen on the transmitter to verify that a C or F is visible to the right of the Room Temperature display (Figure 6) or (Figure 7).

Turn on the Fireplace

With the system OFF, press the ON/OFF Key on the remote transmitter. The remote transmitter display will show some other active Icons on the screen. At the same time the Receiver will activate the Heater. A single “beep” from the Receiver (module) will confirm reception of the command.

Turn off the Fireplace

With the system ON, press the ON/OFF Key on the Remote transmitter. The Remote transmitter LCD display will only show the room temperature (Figure 6) or (Figure 7). At the same time the Receiver (module) will turn off the Heater. A single “beep” from the Receiver confirms reception of the command.

Manual Bypass of the Remote System

If the batteries of the receiver or remote transmitter are low or depleted, the Heater can be turned off manually using ON/OFF switch located on battery box at the rear of the Broadway/Brentwood. This will bypass the remote transmitter.

Key Lock

This function will lock the keys to avoid unsupervised operation. To activate this function, press the MODE and UP keys at the same time. The lock icon will appear (Figure 8). To de-activate this function, press the MODE and UP keys at the same time.

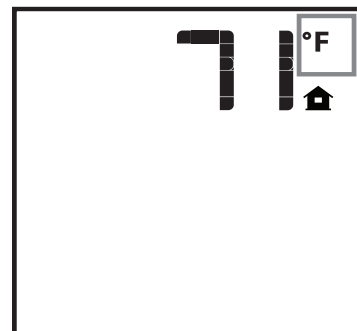


Figure 6: Display in Fahrenheit.

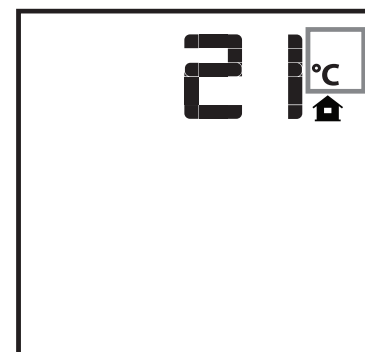


Figure 7: Display in Celcius.

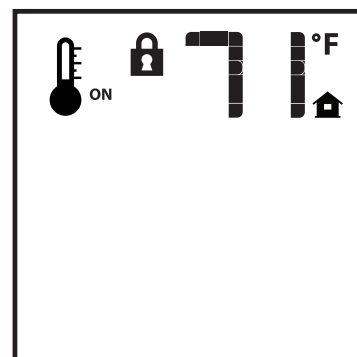


Figure 8: Key lock.

Remote Flame Control

The Proflame2 has six (6) flame levels. With the system on, and the flame level at the maximum in the appliance, pressing the down arrow key once will reduce the flame height by one step until the flame is turned off.

The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position (Figure 9). A single “beep” will confirm reception of the command.

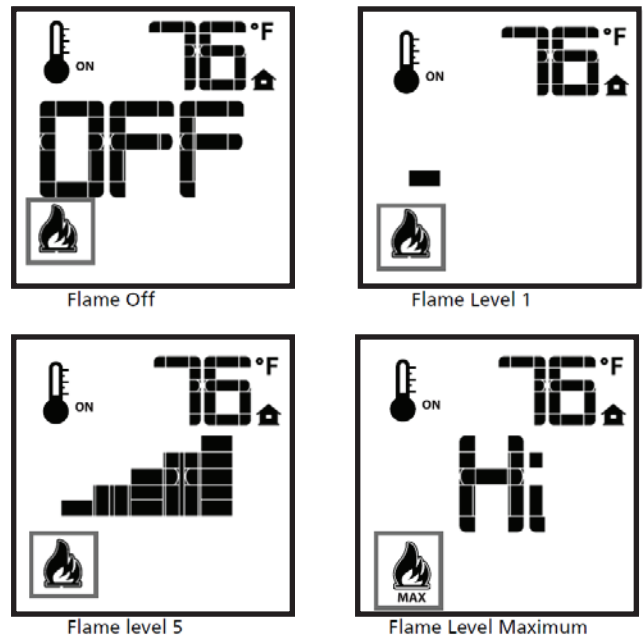


Figure 9: Flame level control

Room Thermostat (Transmitter Operation)

The Remote Control can operate as a room thermostat. The thermostat can be set to a desired temperature to control the comfort level in a room. To activate this function, press the Thermostat key (Figure 1). The LCD display on the transmitter will change to show that the room thermostat is “ON” and the set temperature is now displayed (Figure 10). To adjust the set point, press the up or down arrow keys until the desired set point temperature is displayed on the LCD screen of the transmitter.

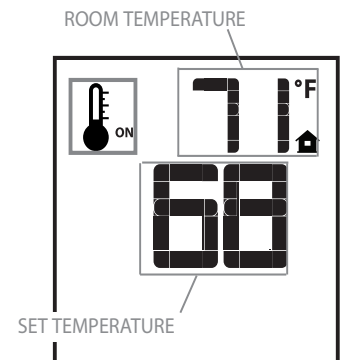


Figure 10: Room temperature.

Smart Thermostat (Transmitter Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point and the room temperatures. As the room temperature gets closer to the set point, the Smart Function will modulate the flame down. If the room temperature is cool, the Smart Function will modulate the flame up. To activate this function, press the THERMOSTAT key (Figure 1) until the word “SMART” appears to the right of the temperature icon (Figure 11). To adjust the set point, press the up or down arrow keys until the desired set point temperature is displayed on the LCD screen of the remote transmitter (Figure 12).

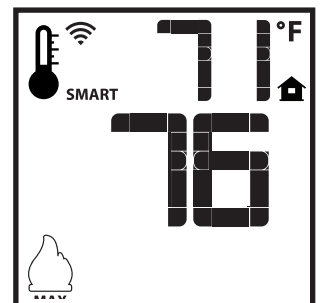


Figure 11: Smart flame function.

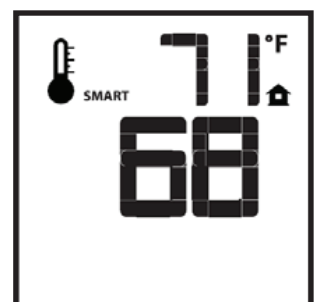


Figure 12: Smart flame adjusting temperature.

Comfort Fan Speed Control

If the Heater is equipped with a hot air circulating fan, the speed of the fan can be controlled by the Proflame 2 System. The fan speed can be adjusted through six (6) speeds. To activate this function use the Mode Key (Figure 1) to index to the fan control icon (Figure 13). Use the Up/Down Arrow Keys (Figure 1) to turn on, off or adjust the fan speed (Figure 13). A single “beep” will confirm reception of the command.

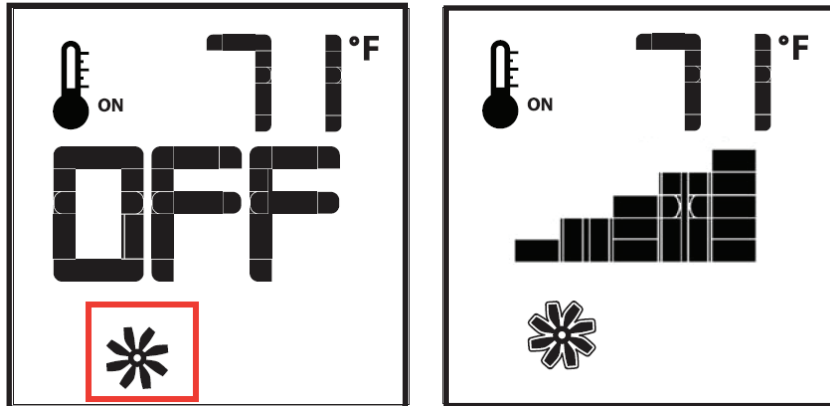


Figure 13: Fan control

Continuous Pilot/Intermittent Pilot (CPI/IPI) selection

With the system in the “OFF” position, press the Mode Key (Figure 1) to index to the CPI mode icon (Figure 14). Pressing the Up Arrow Key will activate the Continuous Pilot Ignition mode (CPI). Pressing the Down Arrow Key will return to IPI. A single “beep” will confirm the reception of the command.

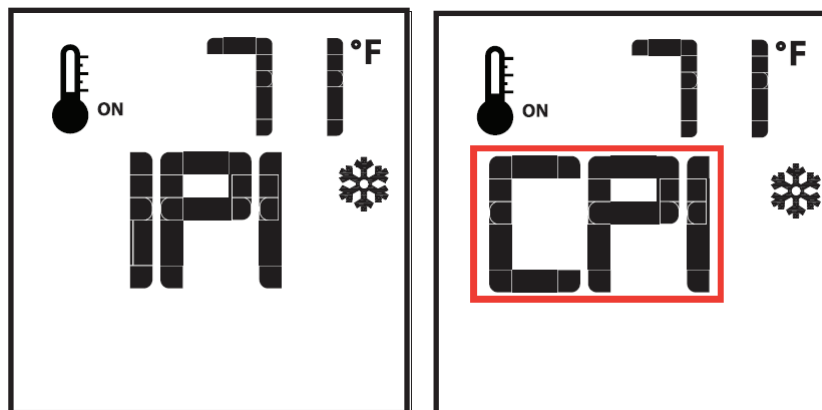


Figure 14: CPI - IPI Selection.

Low Battery Power Detection

Transmitter

The life span of the remote control batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the remote batteries are low, an icon will appear on the LCD display of the remote (“Figure 15: Low battery power.” on page 12) before all battery power is lost. When the batteries are replaced this icon will disappear.

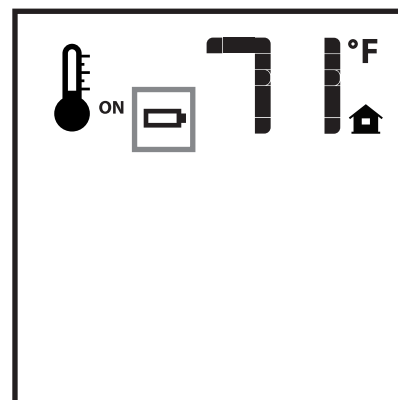


Figure 15: Low battery power.

Receiver

The life span of the IFC module batteries depends on various factors: quality of the batteries used, the number of ignitions of the Heater, the number of changes to the room thermostat set point, etc.

When the IFC batteries are low, a “double-beep” will be emitted from the IFC module when it receives a command from the remote. This is an alert for a low battery condition for the IFC board. When the batteries are replaced, a single “beep” will be emitted from the IFC module when a key is pressed. See (“Initializing the System for the first time” on page 8).

Warnings and Cautions

WARNING

Fire Hazard. Can cause severe injury or death

The Receiver causes ignition of the appliance. The appliance can turn on suddenly. Keep away from the appliance burner when operating the remote system or activating manual bypass of the remote system.

WARNING

Shock Hazard. Can cause severe injury or death

This device is powered by line voltage. Do not try to repair this device. In no way is the enclosure to be tampered with or opened. Disconnect from line voltage before performing any maintenance.

Maintenance

Turn off gas and electrical power supply (if applicable) and allow ample time for unit to cool before servicing appliance. It is recommended that the fireplace and its venting should be inspected at least once a year by a qualified service person.

Glass Door:

Warning: Do not operate fireplace with glass door removed, cracked or broken. Replacement of the glass door should be done by a licensed or qualified service person.

Do not strike or otherwise impact the glass in any way that may cause it to break. If the glass becomes cracked or broken it must be replaced before using the fireplace. Replacement door can be obtained from your nearest Pacific Energy dealer. **Do not substitute with any other type.**

To remove broken glass, remove Door as noted in “Door Installation/Removal” on page 28.

Annual Inspection:

- a) Remove glass door and decorative media (such as logs and rocks). Inspect decorative media and burner assemblies for soot buildup. If excessive buildup of soot is present, have a qualified service person inspect and adjust unit for proper combustion. Clean burners with a brush or vacuum cleaner, paying close attention to burner ports.
- b) Check the pilot system for proper flame size and operation. Clean pilot free of soot, dust or any other deposits.
- c) Check that the vent pipe and vent terminal are open and free from blockage or debris. If the venting is disassembled for cleaning, it must be properly assembled and re-sealed. Refer to “Venting” on page 19 for proper procedure.
- d) Check glass panel gasket, replace if necessary. It is important that the glass seal be maintained in good condition.
- e) Check and replace batteries as needed.
Note: The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Periodically:

- a) **Viewing glass may be cleaned as necessary with fireplace glass cleaner.**
- b) **Exterior finish may be cleaned with mild soap and water.**

CAUTION: Do not use abrasive cleaners on glass or any other part of the fireplace.
Do not clean glass when hot.

Lighting Instructions

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 or loss of life.

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor 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 in your building.

- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or 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 this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance & to replace any part of the control system & any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
3. Push the "On/ Off" switch to turn the fireplace ON.
 - If the burner does light go to step 6.
 - If the burner does not light, complete steps 4 through 5.
 - If the burner will not light or stay lit after several tries, push the "On/ Off" switch for the fireplace to OFF, turn off all electric power

- to the fireplace and call your service technician or gas supplier.
Note: Sufficient time must be allowed for air to escape from lines if the unit is being lit for the first time.
4. Push the "On/ Off" switch to the fireplace Off.
 5. Allow sufficient length of time (minimum 5 minutes) for any gas in the combustion chamber to escape. If you still smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to step 3.
 6. Set fireplace to desired setting by using hand held remote.

TO TURN OFF GAS APPLIANCE

1. Push the "on/ off" switch to the "Off" position.
2. Turn off all electric power to the appliance and remove backup batteries if service is to be performed or for extended shutdown.

Due to high surface temperatures, keep children, clothing and furniture away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

A cause de la temperature elevee des parois, tenir eloignes les enfants, les vetements et les meubles. Maintenir propres le bruleur et le compartiment de commande. Voir les instructions relatives a l'installation et au fonctionnement qui accompagnent l'appareil.

CAUTION: Hot while in operation. Do not touch. Severe burns may result. Keep children, clothing, furniture, gasoline and other liquids having flammable vapours away. Keep burner and control compartment clean. See installation and operating instructions accompanying the appliance.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves. Surveiller les enfants. Garder les vêtements, le meubles, l'essence ou autres liquides produisant des vapeurs inflammables loin de l'appareil. S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

Fireplace Dimensions

CASCO:

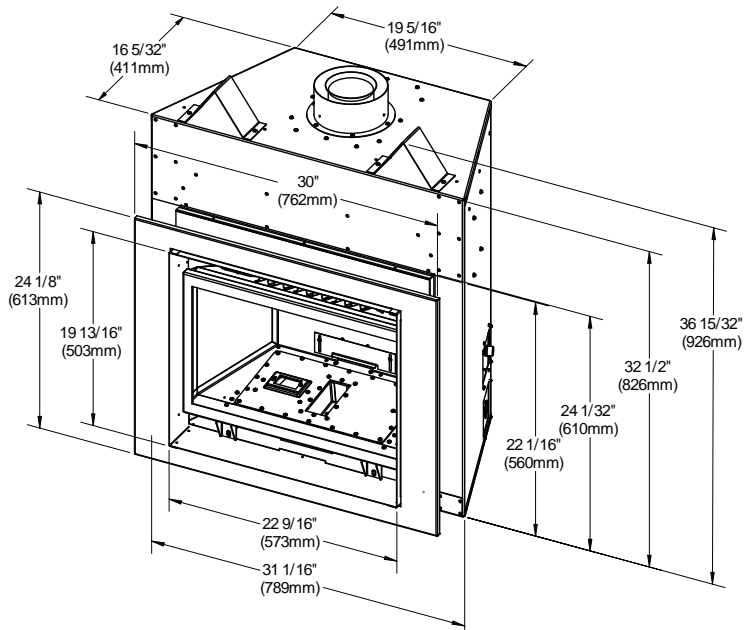


Figure 16: Casco dimensions.

CAMDEN:

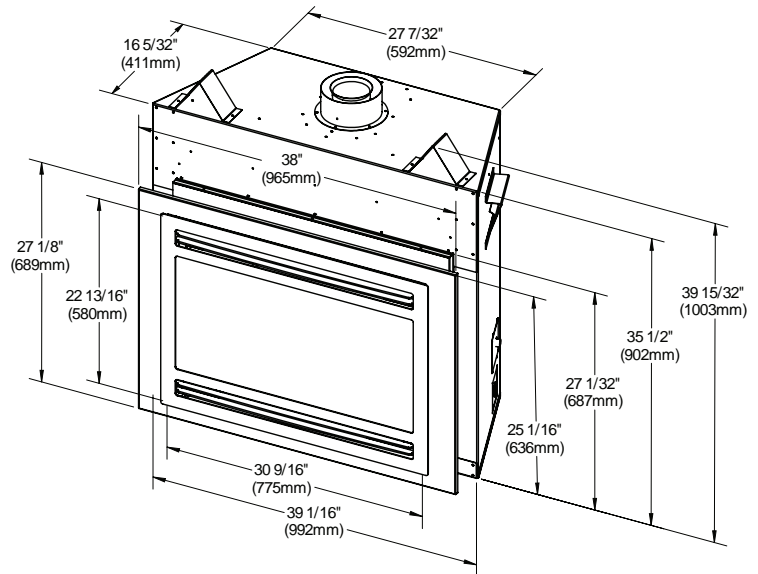


Figure 17: Camden dimensions.

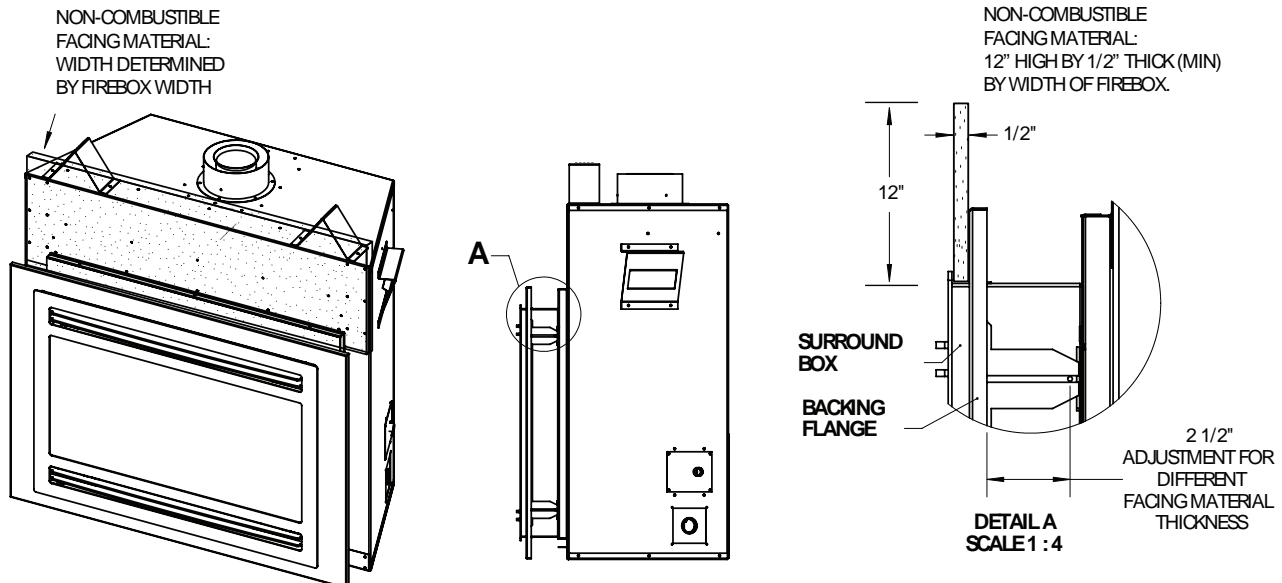


Figure 18: Camden lintel and facing.

FRAMING NOTE: A sheet of non-combustible material must be used as facing material above the lintel. “Detail A” shows the required dimensions of 12” tall by 1/2” thick (minimum) by X” width as determind by the width of the fireplace at its widest.

Fireplace Framing Dimensions

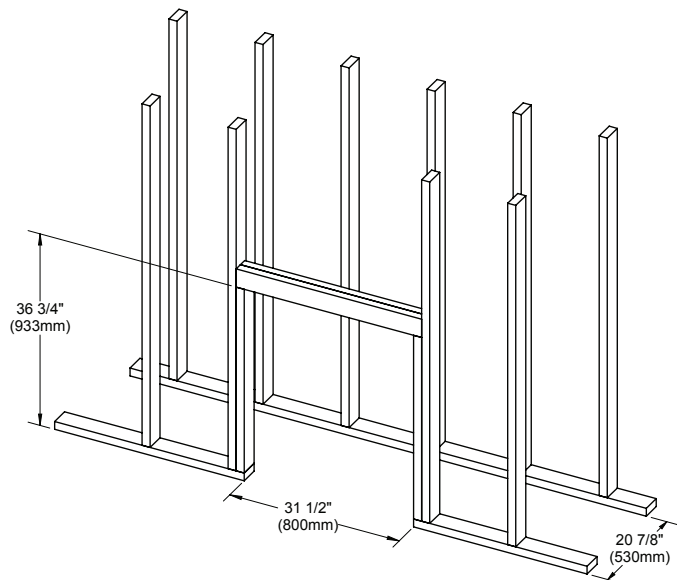


Figure 19: Casco framing dimensions.

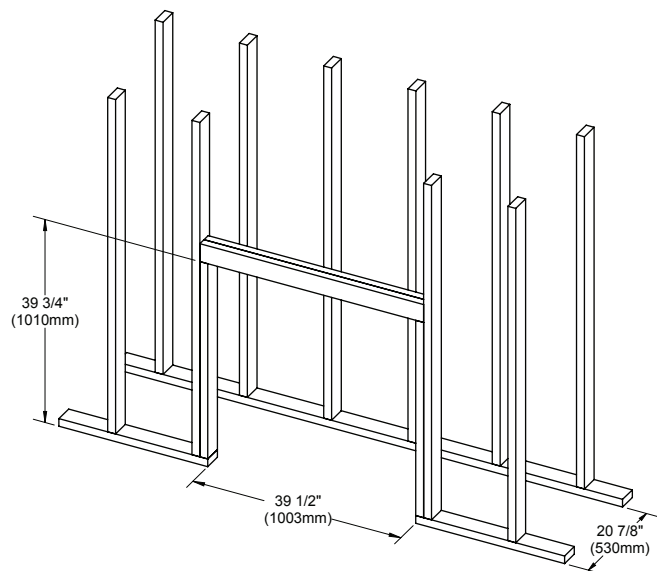


Figure 20: Camden framing dimension.

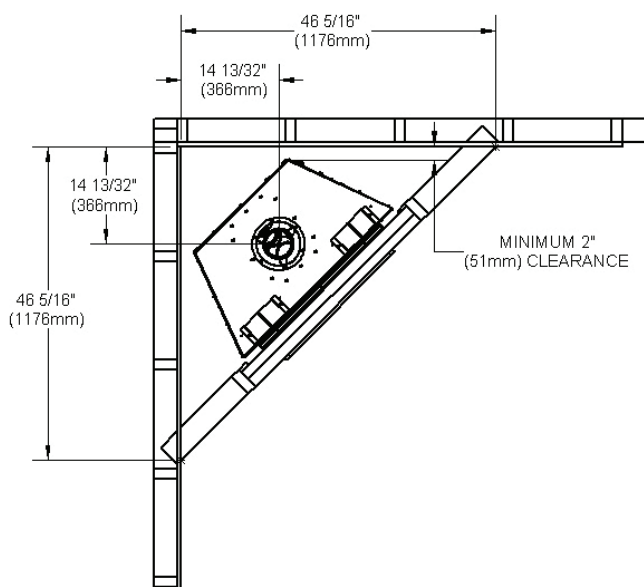


Figure 21: Casco corner framing.

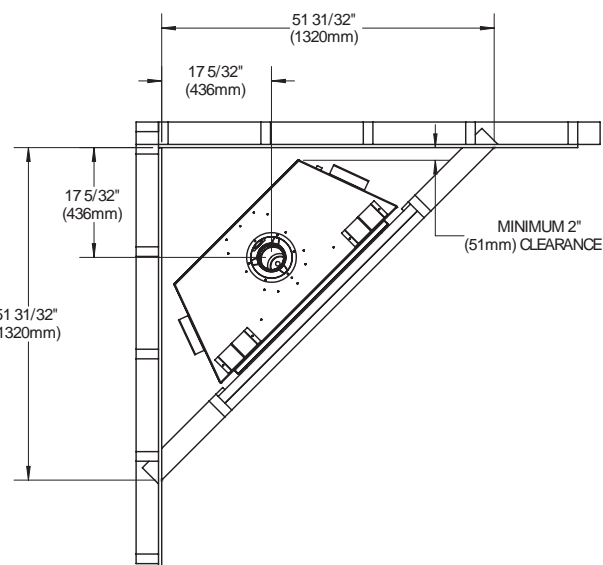


Figure 22: Camden corner framing.

Clearances to Combustibles

* Mantel clearances as measured from the bottom of the fireplace to the bottom of the lintel.

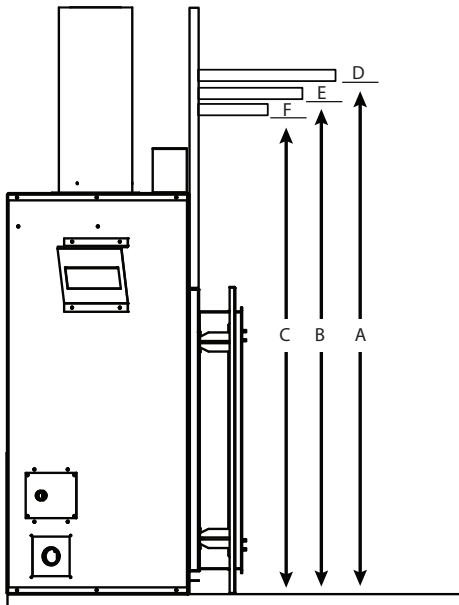


Figure 23: Casco Camden mantel clearances.

| | CASCO | | CAMDEN | |
|---|----------|-----------|----------|-----------|
| | LOUVERED | CONTOURED | LOUVERED | CONTOURED |
| A | 34" | 34" | 45" | 40" |
| B | 34" | 34" | 43.5" | 39.5" |
| C | 34" | 34" | 42" | 39" |

Distance that mantel extends from wall

| | |
|---|-----|
| D | 12" |
| E | 9" |
| F | 6" |

"Louvered" and "Contured" refer to the style of "Fronts" available to both the Casco and Camden fireplaces. Because of the different dimensions and BTU output of the two fireplaces, the distance between the bottom of the fireplace and the bottom of the mantels will vary depending on how far the mantel extends from the wall. Use the above tables to determine the correct position of the mantel.

Minimum Clearance to Combustible Materials

| | CASCO | CAMDEN |
|---------------------|-------|--------|
| ENCLOSED SIDE WALL | 1.75" | 1.75" |
| ENCLOSED BACK WALL | NCR* | NCR* |
| ENCLOSED CEILING | 4" | 4" |
| ENCLOSED FRONT WALL | NCR* | NCR* |
| EXPOSED SIDE WALL | 8" | 8" |
| VENT ENCLOSURE | 1" | 1" |
| EXTERIOR SOFFIT | 30" | 30' |

* NCR stands for "No Clearance required". You may use combustible materials in direct contact with the appliance on these surfaces.

Locating the Fireplace

In planning the installation for the fireplace, it is necessary to determine where the unit is to be installed, location of vent system and where gas supply piping may be plumbed. Various installations are possible, such as, into an existing wall, a corner, a built in wall or a wall projection. Due to high temperatures, do not locate this fireplace in areas of high traffic or near furniture or draperies.

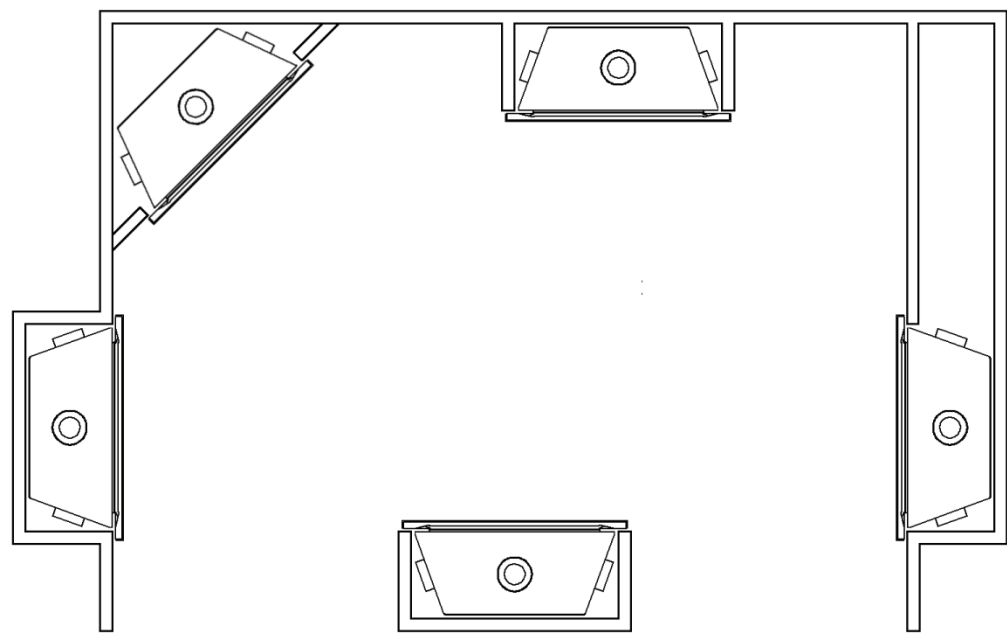
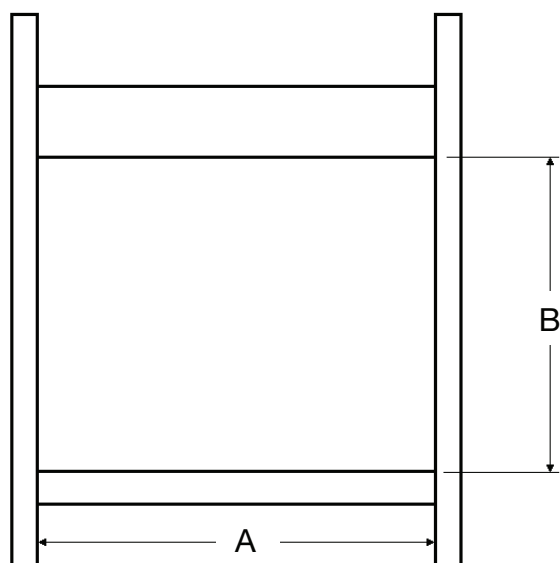


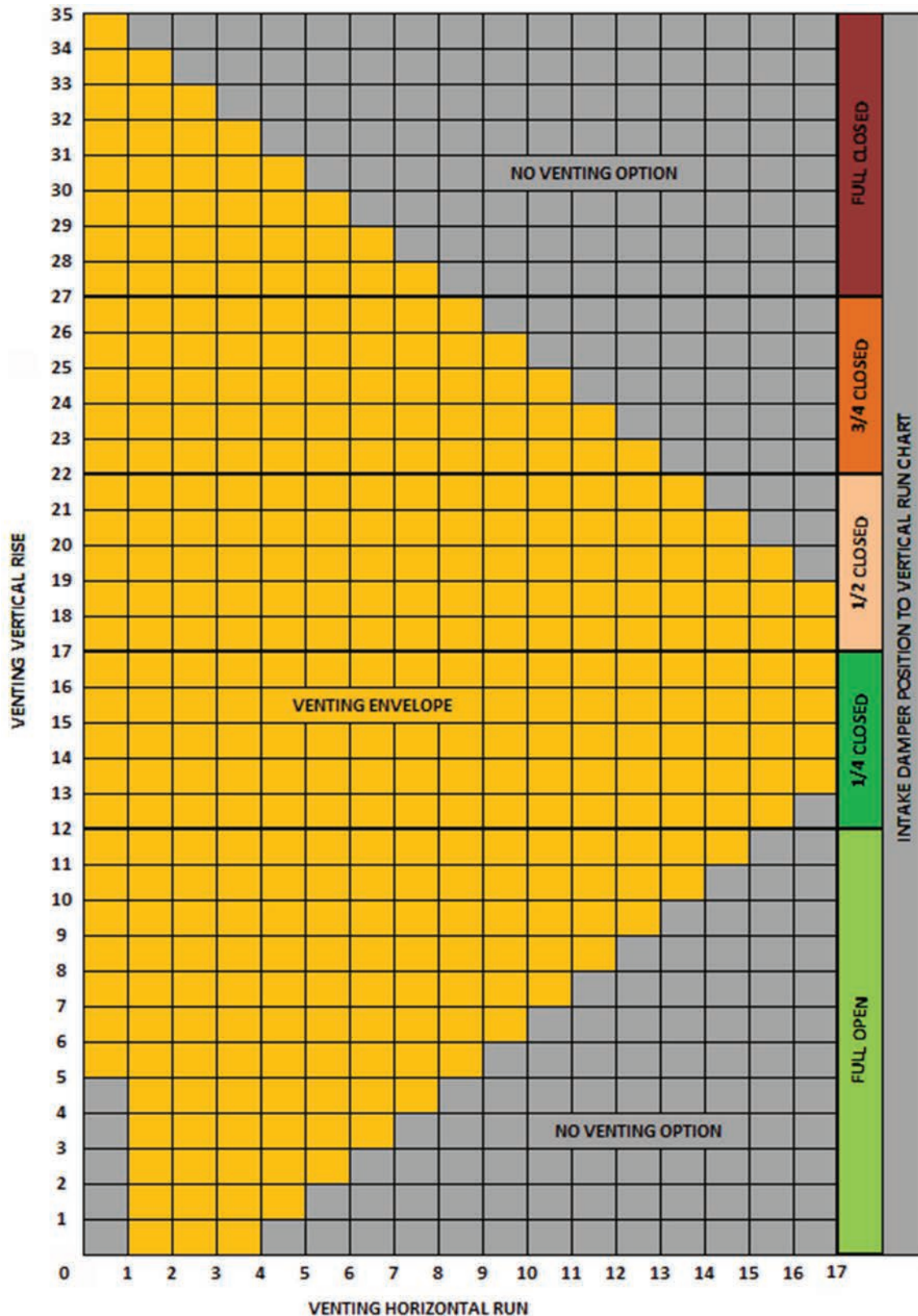
Figure 24: Casco Camden common locations.



| | CASCO | CAMDEN |
|---|--------|--------|
| A | 31.5" | 39.5" |
| B | 36.75" | 39.75" |

Figure 25: Casco camden framing dimensions.

Venting



Damper Position

Note: The intake damper positions specified in this chart were set in a controlled testing environment, and serve as a general guideline for installations. Every venting configuration is different, and the damper setting may need slight adjustment from this chart.

Note: The vent must not exceed a total length of 35 feet. Any combination of rise and run may be used but must be constrained to the boundaries of this chart. A Maximum of three 90° elbows may be used. Only one (1) 90° elbow or combination of other elbows equalling 90° can be used without reducing horizontal run. For each additional 90° elbow, or an equal combination of elbows, reduce horizontal vent run by 2 feet. Ensure vent pipe is properly supported.

Figure 26: Casco camden venting chart.

Vent Terminal Minimum Clearances

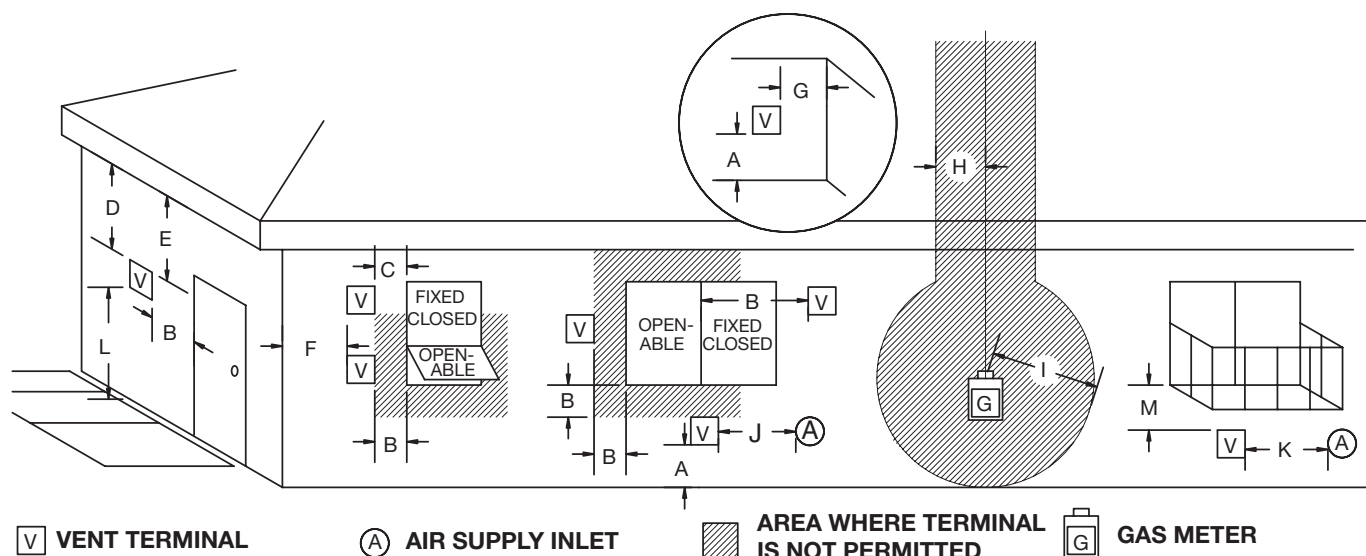


Figure 27: Vent terminal minimum clearances.

| | | |
|----|-------------------------|--|
| A= | *12 inches (30 cm) min. | Clearances above grass, top of plants, wood, combustible veranda, porch, deck, or balcony. |
| B= | *12 inches (30 cm) min. | Clearance beside or below a window or door that may be opened. |
| C= | 12 inches (30 cm) min. | Clearance to permanently closed window recommended to prevent condensation on window. |
| D= | 16 inches (40 cm) min. | Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 16 inches (40 cm) . |
| E= | 30 inches (76 cm) min. | Clearance to unventilated soffit. |
| F= | 6 inches (15 cm) min. | Clearance to outside corner. |
| G= | 6 inches (15 cm) min. | Clearance to inside corner. |
| H= | 3 feet (90 cm) min. | *Not to be installed above a meter/regulator assembly within 3feet (90 cm) horizontally from the center-line of the regulator. |
| I= | *6 feet (1.8 m) min. | Clearance to service regulator vent outlet. |
| J= | *12 inches (30 cm) min. | Clearance to non mechanical air supply inlet to building or the combustion air inlet to any other appliance. |
| K= | *6 feet (1.8 m) min. | Clearance to a mechanical air supply inlet. |
| L= | 7 feet (2.1 m) min. | ^ Clearance above paved side-walk or a paved driveway located on public property |
| M= | 30 inches (76 cm) min. | Clearance under veranda, porch, deck, or balcony |

^ a vent shall not terminate directly above a side-walk or paved driveway which is located between two single family dwellings and serves both dwellings*

** only permitted if veranda, porch, deck, or balcony is fully open on a minimum of 2 sides beneath the floor*

* as specified in CGA B149 Installation Codes, Note: local Codes or Regulation may require different clearances

* for U.S.A. Installations follow the current National Fuel Gas Code, ANSI Z223.1

This fireplace is certified for use with 4" x 6-5/8" coaxial venting components only. It is permitted to only use certified venting for this appliance. Including certified coaxial flexible venting.



Figure 28: Co-axial venting components.

Venting Components

NOTE: Mixing venting components from different manufacturers is inadvisable.

| Description | ICC EXCELDirect® | | Metal-Fab® Sure-Seal | | Security Secure Vent™ | | Selkirk Direct-Temp™ | | DuraVent DirectVent Pro® | |
|--------------------------|---------------------|--------|-------------------------|--------|--------------------------|----------|-------------------------|------------|-----------------------------|-------------|
| | Galvanize d | Black | Galvanized | Black | Galvanized | Black | Galvanized | Black | Galvanized | Black |
| 6" Pipe Length | 4DL6 | 4DL6B | 4D6 | 4D6B | SV4L6 | SV4LB6 | 4DT-06 | 4DT-06B | 46DVA-06 | 46DVA-06B |
| 9" Pipe Length | N/A | N/A | N/A | N/A | N/A | N/A | 4DT-09 | 4DT-09B | 46DVA-09 | 46DVA-09B |
| 12" Pipe Length | 4DL1 | 4DL1B | 4D12 | 4D12B | SV4L12 | SV4LB12 | 4DT-12 | 4DT-12B | 46DVA-12 | 46DVA-12B |
| 18" Pipe Length | N/A | N/A | 4D18 | 4D18B | N/A | N/A | 4DT-18 | 4DT-18B | 46DVA-18 | 46DVA-18B |
| 24" Pipe Length | 4DL2 | 4DL2B | 4D24 | 4D24B | SV4L24 | SV4LB24 | 4DT-24 | 4DT-24B | 46DVA-24 | 46DVA-24B |
| 36" Pipe Length | 4DL3 | 4DL3B | 4D36 | 4D36B | SV4L36 | SV4LB36 | 4DT-36 | 4DT-36B | 46DVA-36 | 46DVA-36B |
| 48" Pipe Length | 4DL4 | 4DL4B | 4D48 | 4D48B | SV4L48 | SV4LB48 | 4DT-48 | 4DT-48B | 46DVA-48 | 46DVA-48B |
| 60" Pipe Length | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 46DVA-60 | 46DVA-60B |
| Adjustable Length (<12") | 4DLT | 4DLTB | 4DAL | 4DALB | SV4LA | SV4LBA | 4DT-AJ12 | 4DT-AJ12B | 46DVA-08A | 46DVA-08AB |
| Adjustable Length (>12") | N/A | N/A | N/A | N/A | SV4LA24 | SV4LBA24 | N/A | N/A | 46DVA-16A | 46DVA16AB |
| Telescopic Pipe | N/A | N/A | N/A | N/A | N/A | N/A | 4DT-TL14 | 4DT-TL14B | 46DVA-17TA | 46DVA-17TAB |
| 45° Elbow | 4DE45 | 4DE45B | N/A | N/A | N/A | SV4EBR45 | 4DT-EL45 | 4DT-EL45B | 46DVA-E45 | 46DVA-E45B |
| 45° Elbow (Swivel) | N/A | N/A | 4D45L | 4D45LB | SV4E45 | SV4EB45 | N/A | N/A | N/A | N/A |
| 90° Elbow | 4DE90 | 4DE90B | N/A | N/A | N/A | SV4EBR90 | 4DT-EL90S | 4DT-EL90SB | 46DVA-E90 | 46DVA-E90B |
| 90° Elbow (Swivel) | N/A | N/A | 4D90L | 4D90LB | SV4E90 | SV4EB90 | N/A | N/A | N/A | N/A |

Figure 29: 4" x 6½" Rigid Piping Cross Reference Chart.

| Description | ICC EXCELDirect® | Metal-Fab® Sure-Seal | Security Secure Vent™ | Selkirk Direct-Temp™ | DuraVent DirectVent Pro® |
|----------------------------------|---------------------|-------------------------|--------------------------|-------------------------|-----------------------------|
| Ceiling Support | 4CS | 4DSP | SV4SD | 4DT-CS | 46DVA-DC |
| Ceiling Support Box | 4SS | 4DRS | SV4CSB | 4D5-CSS | 46DVS-CS |
| Wall Support | 4WS | 4DWS | SV4BM | 4DTWS/B | 46DVA-WS |
| Offset Support | 4OS | N/A | SV4SU | 4DT-OS | 46DVA-ES |
| Wall Thimble | 4WT | 4DWT | SV4RSM | 4DT-WT | 46DVA-WT |
| Firestop Spacer | 4FS | 4DFS | SV4BF | 4DT-FS | 46DVA-FS |
| Trim Plate | 4TP | 4DCP | SV4PF | 4DT-TP | N/A |
| Attic Insulation Shield | 4AS | N/A | SV4RSA | 4DT-AIS | 46DVA-IS |
| Storm Collar | 4SC | 4DSC | SV4FC | 4DT-SC | 46DVA-SC |
| Flat Roof Flashing | 4F | N/A | SV4F | 4DT-AF | 46DVA-FF |
| Adjustable Flashing (0/12-6/12) | 4FA | 4DF | SV4FA | 4DT-AF6 | 46DVA-F6 |
| Adjustable Flashing (6/12-12/12) | 4FB | 4DF-12 | SV4FB | 4DT-AF12 | 46DVA-F12 |
| Vinyl Siding Standoff | 4VSS | 4DVS | SV4VS | 4DT-VS | 46DVA-VSS |
| High Wind Vertical Cap | 4VT | N/A | N/A | N/A | 46DVA-VCH |
| High Wind Horizontal Cap | 4DHT | N/A | N/A | N/A | 46DVA-HSCH |
| Vertical Termination Cap | 4VT | 4DVT | SV4CGV | 4DT-VT | 46DVA-VC |
| Horizontal Termination Cap | 4HT | 4DHT | SV4CHC | 4DT-HC | 46DVA-HC |
| Snorkel Termination Cap | 4ST14 4ST36 | 4DST14 4DST36 | SV4STC14 SV4STC36 | 4DT-ST14 4DT-ST36 | 46DVA-SNK14 46DVA-SNK36 |
| Horizontal Termination Kit | 4HTK | 4DHTKA 4DHTKB | SV0HK SV0HK2 | 4DT-HKA 4DT-HKB | 46DVA-KHA 46DVA-KHC |
| Vertical Termination Kit | N/A | 4DVTK | SV0FK SV0FAK/SV0FBK | 4DT-VKC | N/A |

Figure 30: 4" x 6½" Rigid Pipe Components Cross Reference Chart.



Figure 31: Casco camden gas connection & electrical access panel.

Gas connection

To make the required electrical and gas connections, start by positioning the gas fireplace. Connect the gas supply line to the 1/2" fitting that extends out of the unit (Figure 31). Please see the gas supply section for requirements of the gas supply.

A gas shut off valve is located inside the fireplace and may be accessed by removing the inner firebox unit.

Electrical connection

Open the access panel seen in (Figure 31) and connect the line wires to the supplied wires inside the junction box using marrettes. A licensed electrician must be used to make this connection.

Gas Supply

Servicing of the appliance can be performed from the front of the unit by removing the door and the gas tray from the unit.

Caution: The gas line should be installed by a qualified service person in accordance with all building codes. This section is intended as a guide for qualified technicians installing this appliance. Consult local and/or national building codes before proceeding.

Gas supply line connection is located on the side of the fireplace. Gas connection accepts a ½" NPT fitting. Correct gas line diameter must be used to assure proper operation and pressure.

The fireplace input rating is shown in the chart below.

A drip leg must be installed in the gas supply line going to the gas control valve to minimize the possibility of any loose scale or dirt within the gas supply line from entering the control valve.

Check local codes for additional requirements.

Turn on the gas supply and check that all connections are tight and leak free.

WARNING: The gas tray including gasket must be reinstalled after conversion/installation or servicing has been completed.

Gas Pressure Check

Please refer to following page for gas pressure testing procedure.

Gas pressure requirements

| <u>Input Pressure</u> | Natural Gas | Propane |
|-----------------------|-------------|----------|
| Minimum | 5.0" WC | 11.0" WC |
| Maximum | 13.9" WC | 13.9" WC |

Manifold Pressure

| | Natural Gas | Propane |
|------|-------------|---------|
| High | 3.5" WC | 10" WC |
| Low | 1.6" WC | 6.4" WC |

Casco

| Gas | Orifice | Output | AFUE |
|-----|---------|---------------|------|
| NG | 1.98mm | 18,000 btu/hr | 76% |
| LP | 1.25mm | 17,000 btu/hr | 76% |

Camden

| Gas | Orifice | Output | AFUE |
|-----|---------|---------------|------|
| NG | 2.55mm | 30,000 btu/hr | 75% |
| LP | 1.52mm | 26,000 btu/hr | 75% |

Gas Pressure Testing Procedure

Note: To test the gas pressure, turn off the gas supply to the appliance before loosening test point screws. Verify gas pressures with the fireplace lit and at the highest setting.

1. Remove bottom trim and locate the valve as seen in (Figure 32).
2. Locate the inlet and outlet test points on the valve which can be seen in (Figure 33). After locating test ports loosen the screws within the ports using a flat-tip screwdriver.
3. Attach pressure gauge to the test ports.
4. Turn gas supply back on and test pressures.
5. After testing is finished turn off gas supply, remove the pressure gauges and retighten the screws in the test points.

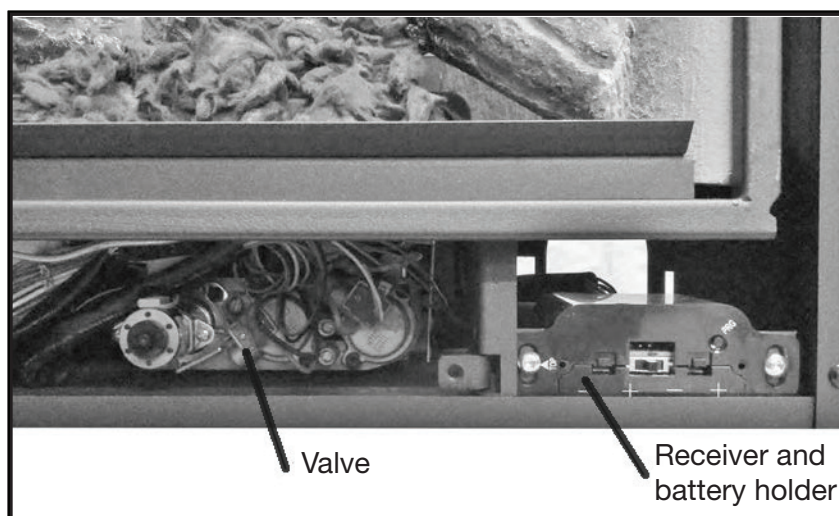


Figure 32: Gas control valve location.

Pilot Adjustment

The pilot flame level can be adjusted by turning the adjustment screw, using a flat-tip screwdriver, seen on the valve in (Figure 33).

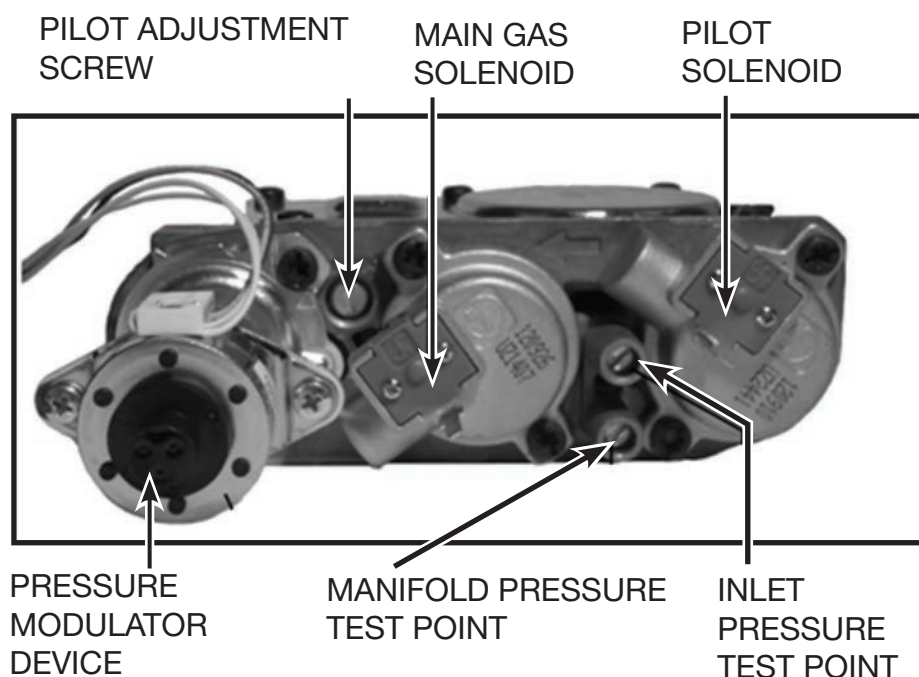


Figure 33: Gas control valve.

Surround Installation Instructions



Figure 34: Surround.



Figure 35: Surround and lintel tab.

The surround cover (Figure 34) attaches to the lintel once the decorative backing plate has been installed. The surround easily fits into place by connecting all four of its hooks to the lintel's four tabs (Figure 35).

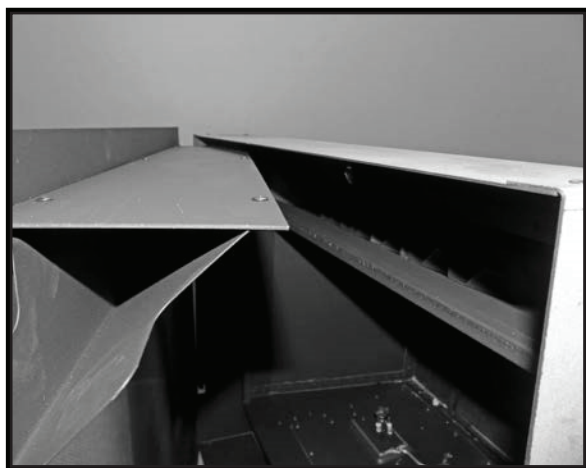


Figure 36: Top of surround fitting inside the baffle during installation.

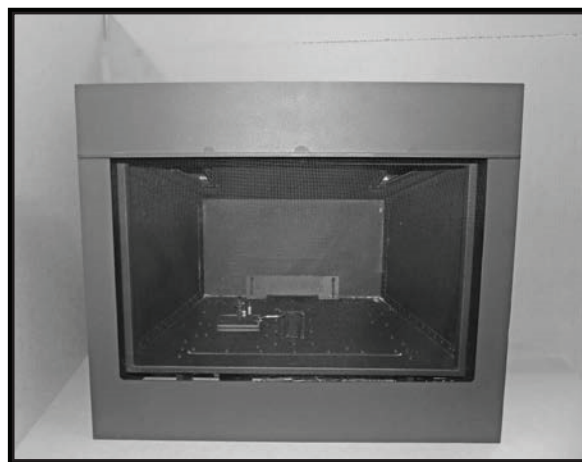
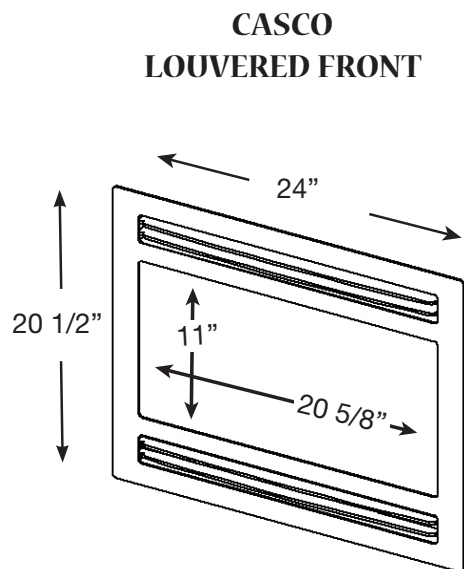
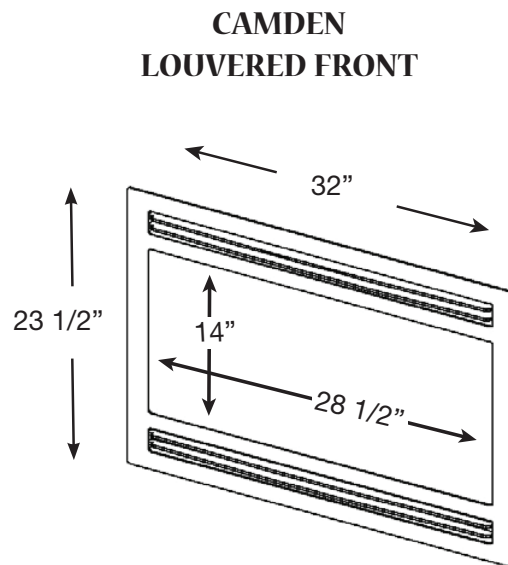


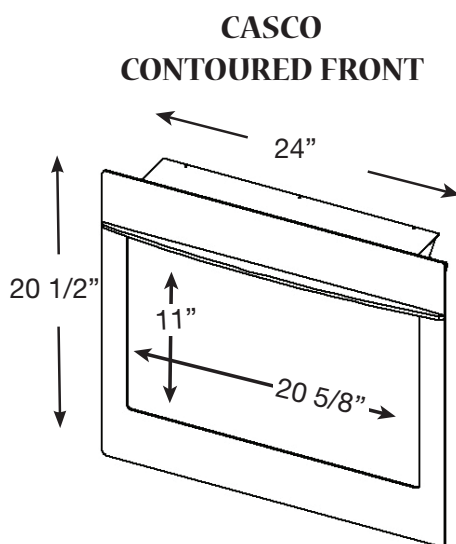
Figure 37: Surround in place (backing not shown).



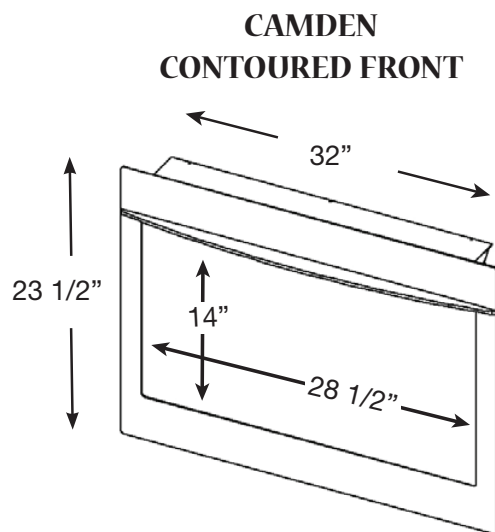
BRCA.18FBKB - Black
 BRCA.18FGYB - Grey
 BRCA.18FPCBKC - Powder coat Black
 BRCA.18FPCCUB - Powder coat Copper
 BRCA.18FPCSGB - Powder coat Silver/Grey



BDCD.30FBKB - Black
 BDCD.30FGYB - Grey
 BDCD.30FPCBKC - Powder coat Black
 BDCD.30FPCCUB - Powder coat Copper
 BDCD.30FPCSGB - Powder coat Silver/Grey



BRCA.18CFBKB - Black
 BRCA.18CFGYB - Grey



BDCD.30CFBKB - Black
 BDCD.30CFGYB - Grey

Figure 38: Surround dimensions and part numbers.

Propane Conversion

Before starting the conversion make sure to shut off the gas supply to the unit and allow fireplace to cool to room temperature.

To convert the gas fireplace from natural gas to propane the (GASC.LPKIT) kit is required. This kit comes with new pilot and burner orifices as well as a new pressure modulator for the valve.

To switch the pressure modulator, follow the instructions that are provided with the conversion kit.

To change the orifices you are required to remove the door, media set, and burner. Please refer to the appropriate sections of this manual and follow instructions on how to correctly remove the components.

After removing the burner you will have access to the burner orifice which is located on the bottom of the burner tray, as seen in (Figure 39). The orifice can be removed using a 1/2" socket. Before installing the new orifice, Thread Sealant needs to be applied to the threads of the new orifice to ensure a proper seal when installed.

To replace the pilot orifice you will need to remove the pilot hood which is held in place by a spring. First remove the spring, and then remove the hood by pulling it up from the pilot bracket, seen in (Figure 40). To remove the existing orifice insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the orifice and rotate counter-clockwise until free. Insert the new orifice using the same Allen wrench and tighten it until a torque of 9 lbf in (1 Nm) is achieved. Replace the pilot hood by aligning the tab on the base of the hood with the slot in the side of the pilot journal, and push the hood down onto the pilot bracket. Replace the spring by pushing it onto its seat.

Before returning the burner into position, the venturi shutter will have to be adjusted to the correct opening. The correct venturi settings are shown in (Figure 41). Loosen the screw with a Phillips screwdriver and rotate the shutter until the open slots on both sides are completely open. Tighten the screw, and return the burner into position.

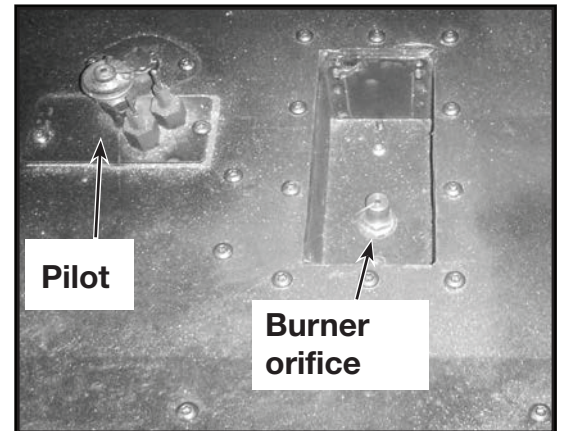


Figure 39: Burner orifice and pilot.

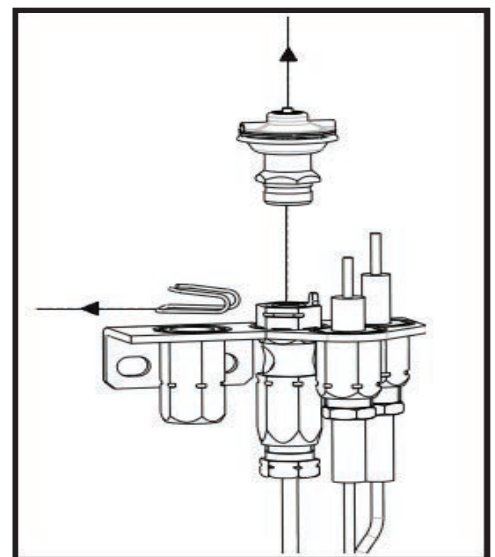


Figure 40: Pilot.

| Venturi Opening | | |
|-----------------|---------|-------------|
| | Propane | Natural Gas |
| Casco | Open | 1/16" |
| Camden | Open | 1/16" |

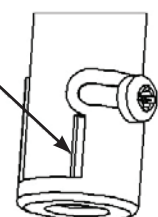


Figure 41: Venturi shutter.

Door Installation/Removal

Removal

1. Remove surround from lintel by lifting it from 4 tabs located on the lintel (Figure 42).
2. Locate and remove the two 3/8" bolts securing the bottom of door as seen in (Figure 43).
3. Tilt the bottom of the door away from the appliance and lift the top of the door from the firebox lip (Figure 44).
4. When removing the door, be careful to not damage or bend the lintel tabs (Figure 46).

Installation

installation is the reverse of removal.

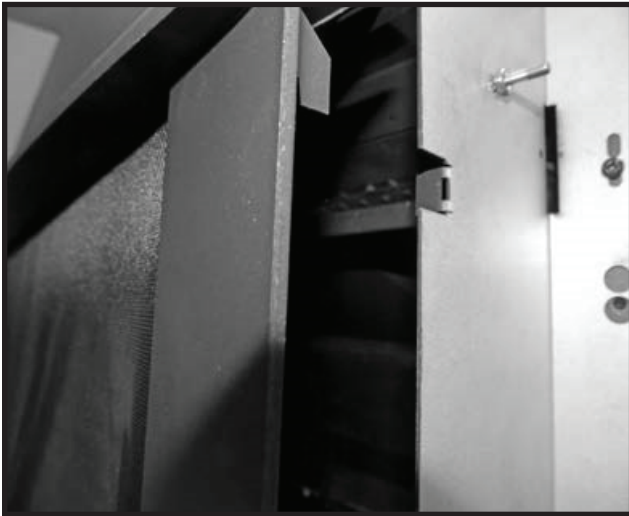


Figure 42: Removing surround from lintel tabs.



Figure 43: Accessing securing bolt.



Figure 44: Lip to hang door bracket from.



Figure 45: Door's upper hanging bracket.

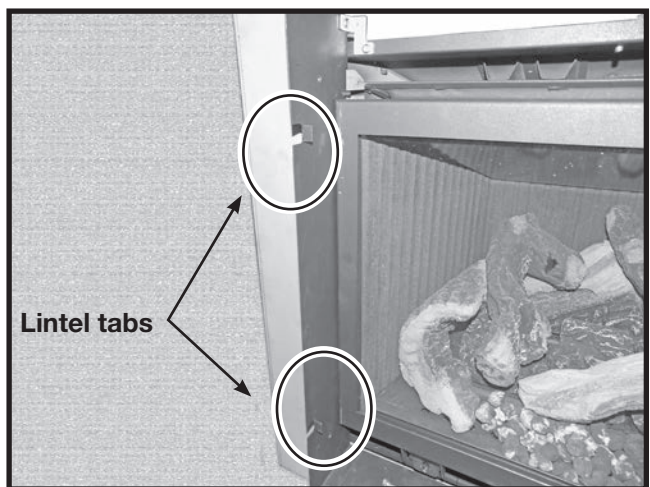


Figure 46: Lintel tabs.

Fan Removal / Installation

1. Make sure that the gas and electrical supply is shut off.
2. Locate and remove the two 3/8" bolts securing the bottom of door as seen in ("Figure 43: Accessing securing bolt." on page 28).
3. Remove media from firebox

Remove panels to protect them while extracting fan.

Remove burner, baffle, burner tray, side and rear panels.

1. Remove the screw holding the burner to the burner tray (Figure 47).
2. Remove two screws from the front of the upper baffle and remove the baffle (Figure 48).
3. Remove two screws from the burner plate (Figure 49) and remove burner plate.
4. Remove the side and rear firebox panels (Figure 50) and (Figure 51).

Note: The two side firebox panels hold the rear firebox panel in place. Support the rear firebox panel as the side panels are being removed.

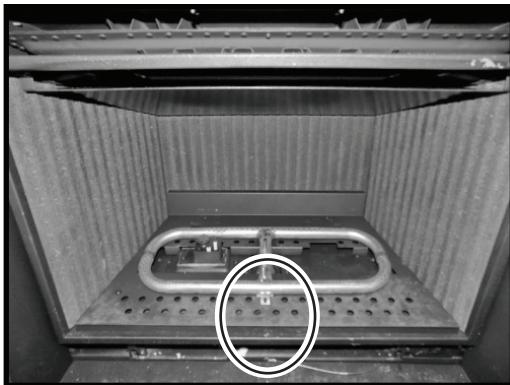


Figure 47: Burner securing screw.

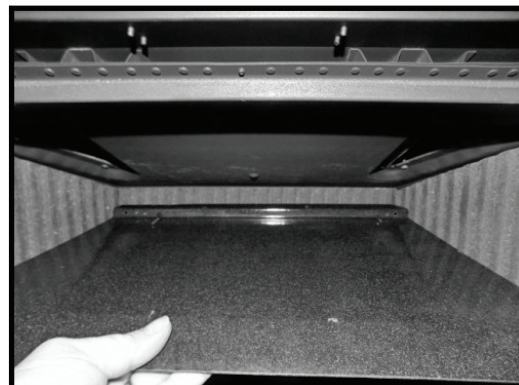


Figure 48: Removing the upper baffle.



Figure 49: Removing the burner plate.



Figure 50: Removing one of the side panels.

5. Remove two screws which hold the back ledge (Figure 52) in place and remove.
6. Remove the approximately 25 screws hold the base plate (Figure 53) to the frame of the firebox.

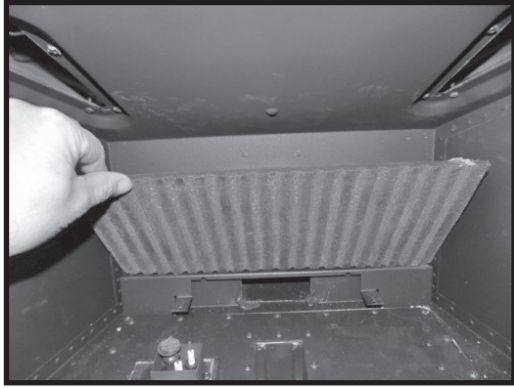


Figure 51: Removing the rear panel.

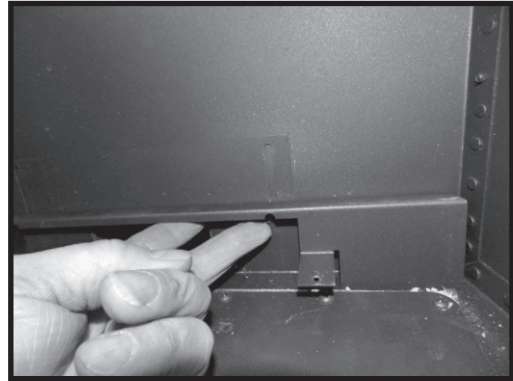


Figure 52: Removing back ledge.

7. Gently remove the base plate (Figure 54) and set aside to the right hand side of the firebox. There is no need to disconnect any of the electrical or gas fittings.

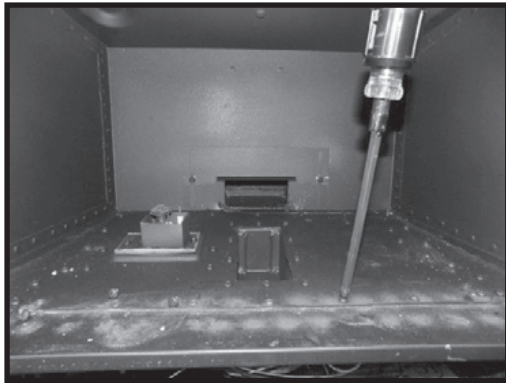


Figure 53: Removing base plate.



Figure 54: Base plate with wiring attached.

8. The fan is located inside the opening and toward the rear of the firebox. A 3/8" nut (Figure 55) holds the fan assembly onto a threaded post. Remove the nut and gently extract the fan assembly from the fire box (Figure 56). Be careful not to accidentally catch any other wires while the fan is being extracted.
9. Disconnect the two power wires (Figure 57) before fully extracting the fan from the opening.
10. Installation is reverse of removal. Return the media to its proper place according to by referring to the appropriate section of this manual.

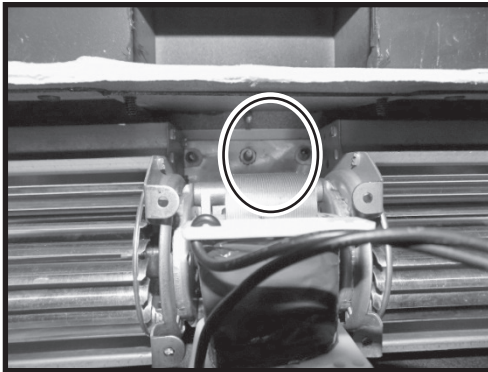


Figure 55: Fan nut location.

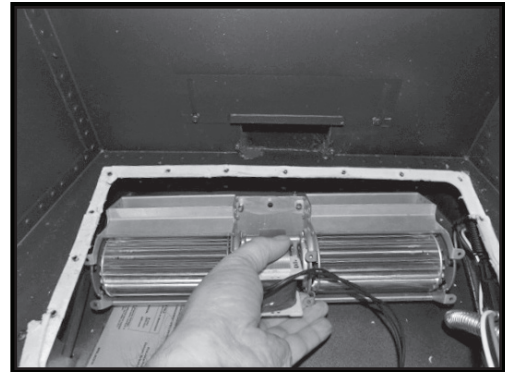


Figure 56: Fan removal

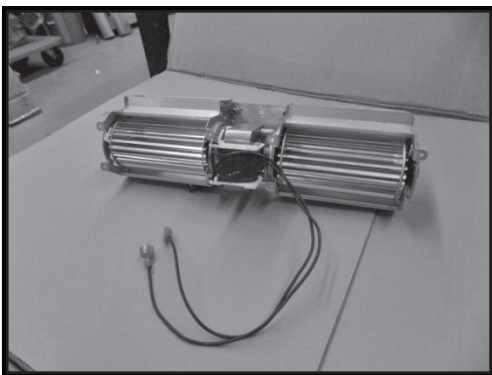


Figure 57: Extracted fan.

Panel Installation / Removal

Panel Installation

NOTE: Air Deflector from burner kit needs to be installed before panels. See Burner Kit Installation

1. Insert back panel so that it is sitting on ledge at the back of the firebox (Figure 59).
2. Insert first side panel by inserting the front edge of the panel into the lip at the front of the firebox. Then slide the rear part of the panel until it reaches the firebox side wall (Figure 60).
3. Repeat step 2 for the second side panel.
4. To hold panels in place, install the baffle, from the burner kit, by resting the back flange on top of the back panel and use two screws to secure the front of the baffle to the top of the firebox, seen in (Figure 61).

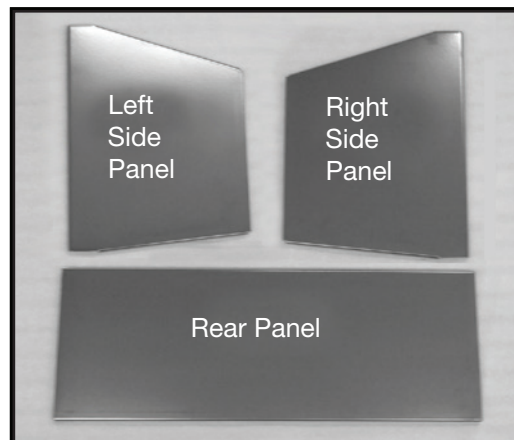


Figure 58: Panels.

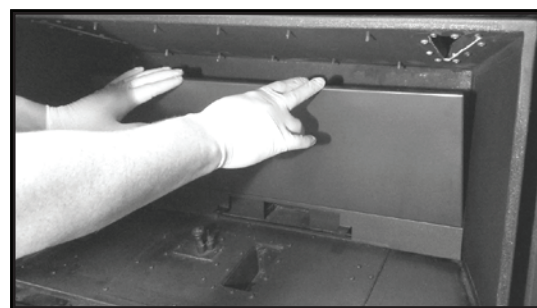


Figure 59: Back panel.

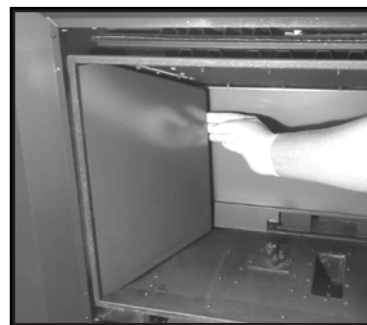


Figure 60: Side panel.

3. Repeat step 2 for the second side panel.
4. Remove back panel by tilting the top forward and then pull out of fireplace.



Figure 61: Baffle.

Log Burner Kit Installation / Removal

Air Deflector Installation / Removal Installation

Position the air deflector in the fireplace (Figure 62) and secure with two screws using a screwdriver.

Removal

Remove the two screws (Figure 62) using a screwdriver, and remove the air deflector from fireplace.

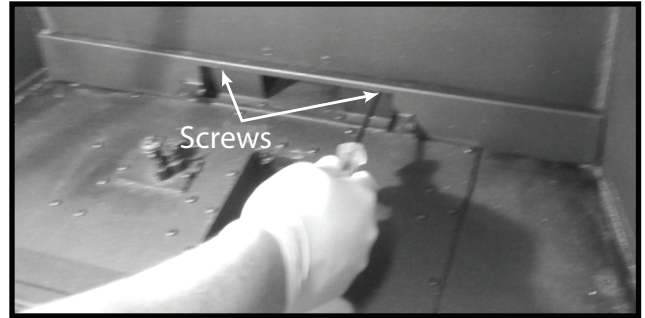


Figure 62: Air deflector.

Burner Tray Installation / Removal Installation

Place the burner tray in the fireplace and secure with 4 screws using a screwdriver (Figure 63).

Removal

Remove the 4 screws (Figure 63) using a screwdriver, and remove the burner tray.

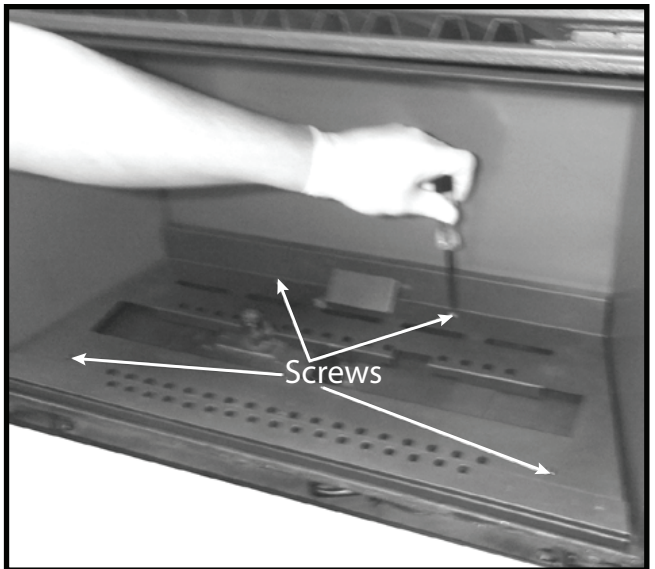


Figure 63: Burner tray.

Burner Installation / Removal Installation

Place the burner in firebox so that the venturi is over top of the orifice. To secure the burner, insert the screw using a screwdriver (Figure 64).

Removal

Remove the screw (Figure 64) and lift the burner out of the unit.

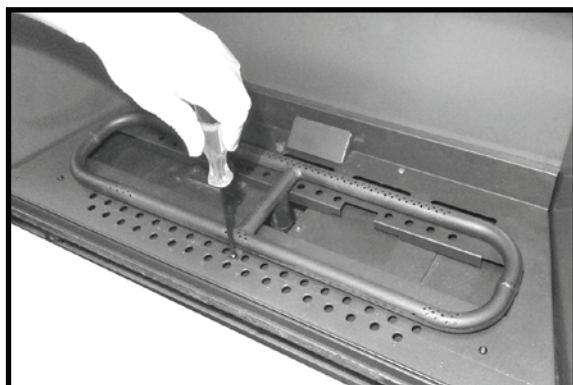


Figure 64: Burner securing screw.

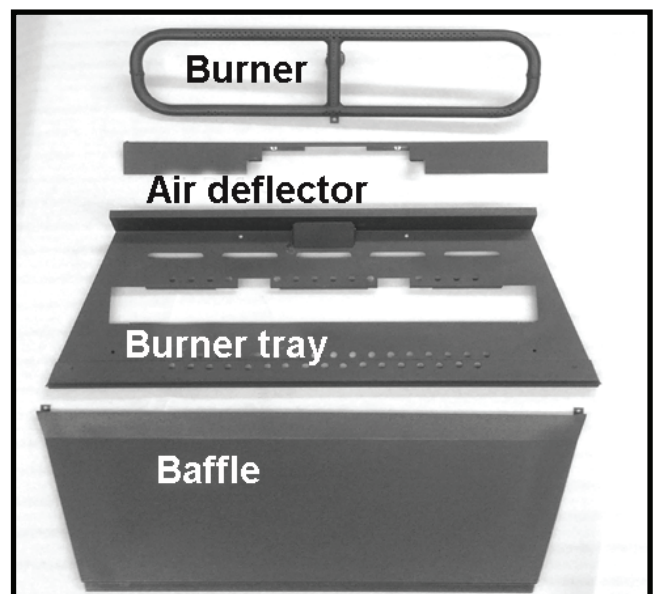


Figure 65: Burner tray parts.

Traditional Log Set Installation / Removal

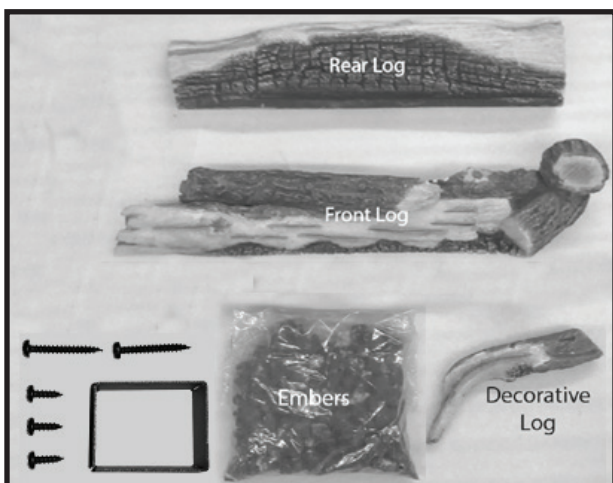


Figure 66: Log set and pilot shield.

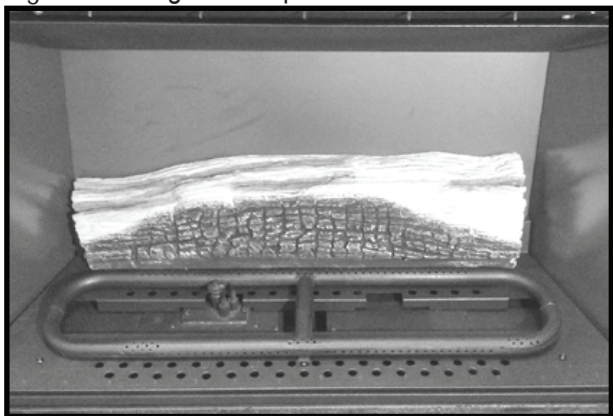


Figure 67: Rear log installation.

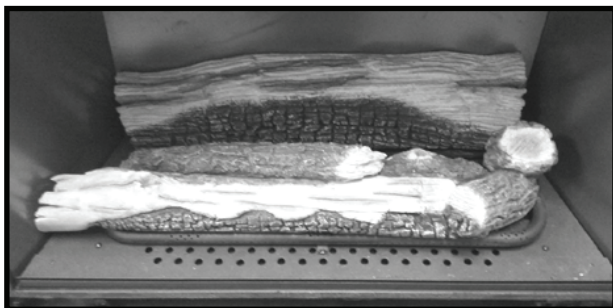


Figure 68: Front log installation.



Figure 69: Decorative log installation.

Installation

1. Position rear log against the back firebox (Figure 67).
2. Position front log just behind the front burner tube (Figure 68).
3. Position log 3 (decorative log) with the thin end of the log resting on top of the right end of the front log (Figure 69).
4. Place ember chunks in front of the front log to hide the burner (Figure 70).

Note: Do Not Block Burner Ports with Embers.

Removal

1. Remove embers from fireplace.
2. Lift the decorative log off of the front log and remove it from the firebox.
3. Lift the front log off of the burner and remove it from the firebox.
4. Lift the back log over the pilot and burner and remove it from the firebox.



Figure 70: Ember placement.



Figure 71: Completed log set.

Rustic Log Set Installation / Removal

Installation

1. Position rear logs 1 and 2 against the back firebox (Figure 73).
2. Position front logs 3 and 4 between the front burner tubes (Figure 74).
3. Position side logs 5 & 6 (Figure 75).
4. Position logs 7 and 8 (Figure 76).
5. Place logs 9, 10 and 11 and ember chunks in front of burner to hide the burner tube (Figure 77).

Note: Do Not Block Burner Ports with Embers

Removal

1. Remove embers from fireplace.
2. Lift the side and log off of the front log and remove it from the firebox.
3. Lift the front logs off of the burner and remove it from the firebox.
4. Lift the rear logs over the pilot and burner and remove from firebox.

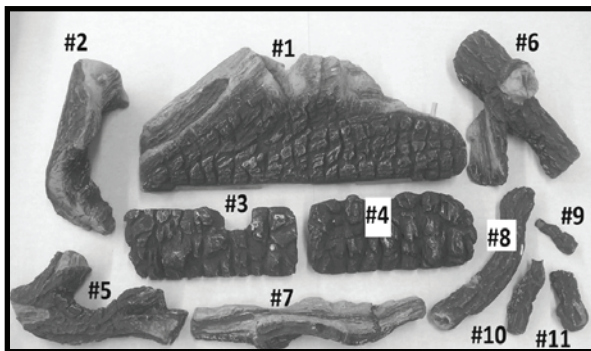


Figure 72: Rustic log set.



Figure 74: Rustic front logs 3 & 4 installation.



Figure 75: Rustic logs 5 & 6 installation.



Figure 76: Rustic logs 7 & 8 installation.



Figure 73: Rear logs 1 and 2 installation.



Figure 77: Rustic logs 9, 10 & 11 plus embers installation.

Glass Burner Kit

The glass burner plate comes with a collar for the pilot, screws to secure the burner tray to the firebox and and a bag of glass.

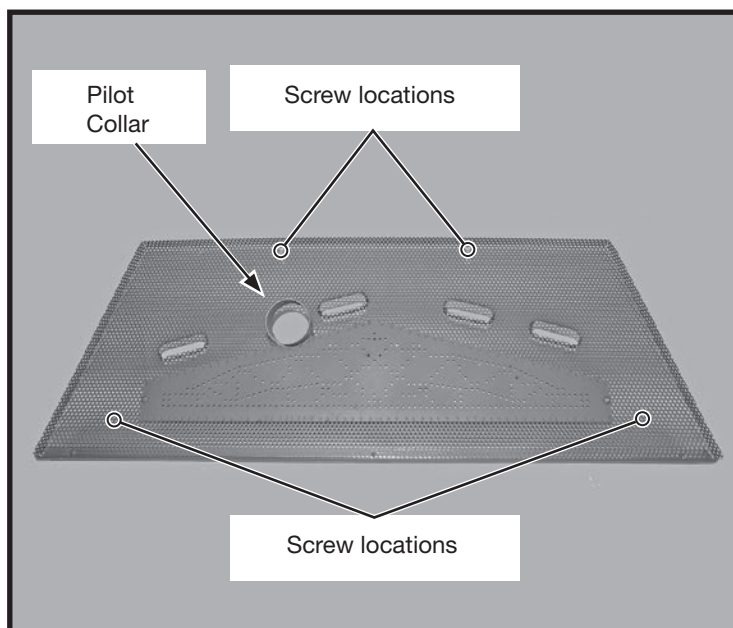


Figure 78: Casco camden glass tray.

Damper Adjustment

The Casco and Camden fireplaces both come with an adjustable damper that can limit the flow of intake air. This damper is located behind the air deflector at the rear of the inner firebox. Sometimes on installations that involve vertical venting configurations over 10 feet in height, the intake air tends to accelerate down the vent causing hectic flame action. This damper can be closed partially to reduce the speed of the intake air and thus calm the flames to a more natural look. Over-closure of this damper could cause an insufficient air supply to the fire, which would result in flames that cause soot. See “Damper Position” on page 19 for optimum damper position.

To adjust the damper, loosen the two screws that hold the air deflector in place. Slide the damper down to a position that will reduce the air speed entering the appliance, using the bend tab at the bottom edge of the damper. This might take a few adjustments to obtain the best flame appearance. Because removal of the media, burner and burner tray are necessary for damper adjustment, you may put the burner and tray in place without fastening the screws to test the intake airflow. Once the damper is fastened in its adjusted position, return the burner and tray into place and fasten with the appropriate screws. Position the media as instructed in this manual.

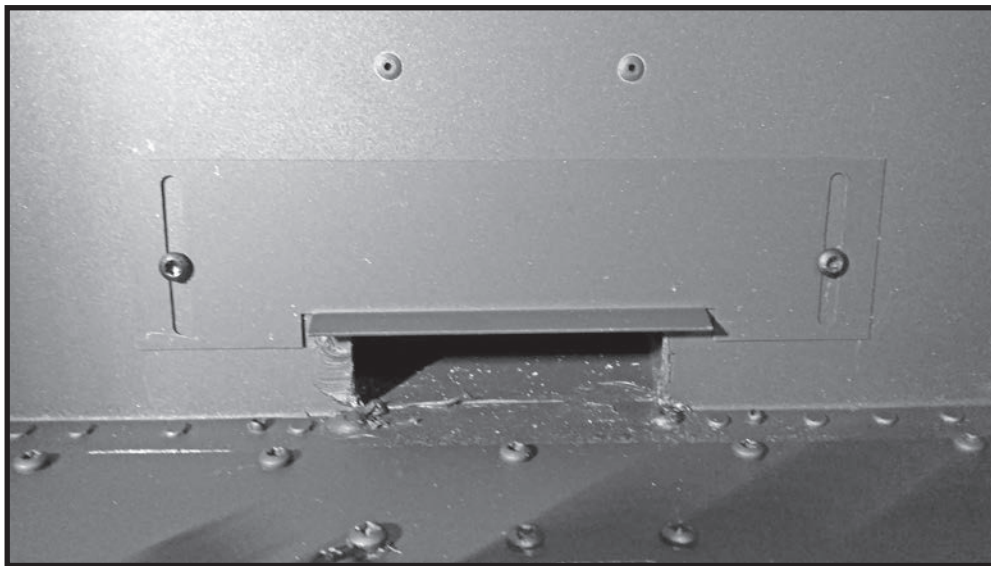


Figure 79: Air shutter.

Replacement Parts

Description

Order Number

- | | |
|---------------------------------------|----------------------------------|
| 1. Casco Screen | 5002.610-A (for louvered front) |
| 2. Casco Screen | 5002.615-A (for contoured front) |
| 3. Camden Screen..... | 5002.710-A (for louvered front) |
| 4. Camden Screen..... | 5002.715-A (for contoured front) |
| 5. Complete Replacement Gas Tray..... | GASC.BRNTRAYA |
| 6. Replacement Remote Control..... | GASC.CNTRLA |
| 7. CASC Replacement Blower | BDEM.BLOWB |
| 8. CMDN Replacement Blower | BRET.BLOWB |

Casco Aesthetic Components

CASC.BODYB

Door Kit (required)

FLUSH MOUNT DOOR BRCA.260091-A

Surround Fronts (required)

Louvered Front - Black.....BRCA.18LFBKB

Louvered Front - Grey..... BRCA.18LFGYB

Contoured Front - Black.....BRCA.18CFBKB

Contoured Front - Grey.....BRCA.18CFGYB

Panel Set (required)

Slate Grey Fluted Panel Set.....BDEM.CPNFLA

Red Brick Panel Set.....BDEM.CPNRDA

Grey Brick Panel Set.....BDEM.CPNGYA

Ledgestone Panel Set.....BDEM.CPNLDA

Porcelain Panel Set Black.....BDEM.PPNBKA

Porcelain Panel Set Red.....BDEM.PPNRDA

Porcelain Panel Set Titanium.....BDEM.PPNTIA

Porcelain Panel Set Coffee Bean.....BDEM.PPNCBA

Porcelain Panel Set Copper.....BDEM.PPNCUA

Burner Sets (required)

Traditional Log Set.....BDEM.NG01B

Rustic Log Set.....BDEM.NG05B

Glass Burner.....BDEM.NG03B

Black Glass.....GASC.3GLBK

Desert Glass.....GASC.3GLDE

Pacific Glass.....GASC.3GLPA

Twilight Glass.....GASC.3GLTW

Metro Rock Set Black.....GASC.METROBKA

Metro Rock Set Grey.....GASC.METROGYA

Tranquility Rock Set.....GASC.TRANQA

Optional Components

LP Conversion Kit.....GASC.LP18KIT

Camden Aesthetic Components

CMDN.BODYB

Door Kit (required)

FLUSH MOUNT DOOR BDCD.267507-A

Surround Fronts (required)

Louvered Front - Black..... BDCD.30LFBKB

Louvered Front - Grey..... BDCD.30LFGYB

Contoured Front - Black.....BDCD.30CFBKB

Contoured Front - Grey.....BDCD.30CFGYB

Panel Set (required)

Slate Grey Fluted Panel Set.....BRET.CPNFLA

Red Brick Panel Set.....BRET.CPNRDA

Grey Brick Panel Set.....BRET.CPNGYA

Ledgestone Panel Set.....BRET.CPNLDA

Porcelain Panel Set Black.....BRET.PPNBKA

Porcelain Panel Set Red.....BRET.PPNRDA

Porcelain Panel Set Titanium.....BRET.PPNTIA

Porcelain Panel Set Coffee Bean.....BRET.PPNCBA

Porcelain Panel Set Copper.....BRET.PPNCUA

Burner Sets (required)

Traditional Log Set & Burner.....BRET.NG01B

Rustic Log Burner.....BRET.NG05B

Glass Burner.....BRET.NG03B

Black Glass.....GASC.5GLBK

Desert Glass.....GASC.5GLDE

Pacific Glass.....GASC.5GLPA

Twilight Glass.....GASC.5GLTW

Metro Rock Set-Black.....GASC.METROBKA

Metro Rock Set Grey.....GASC.METROGYA

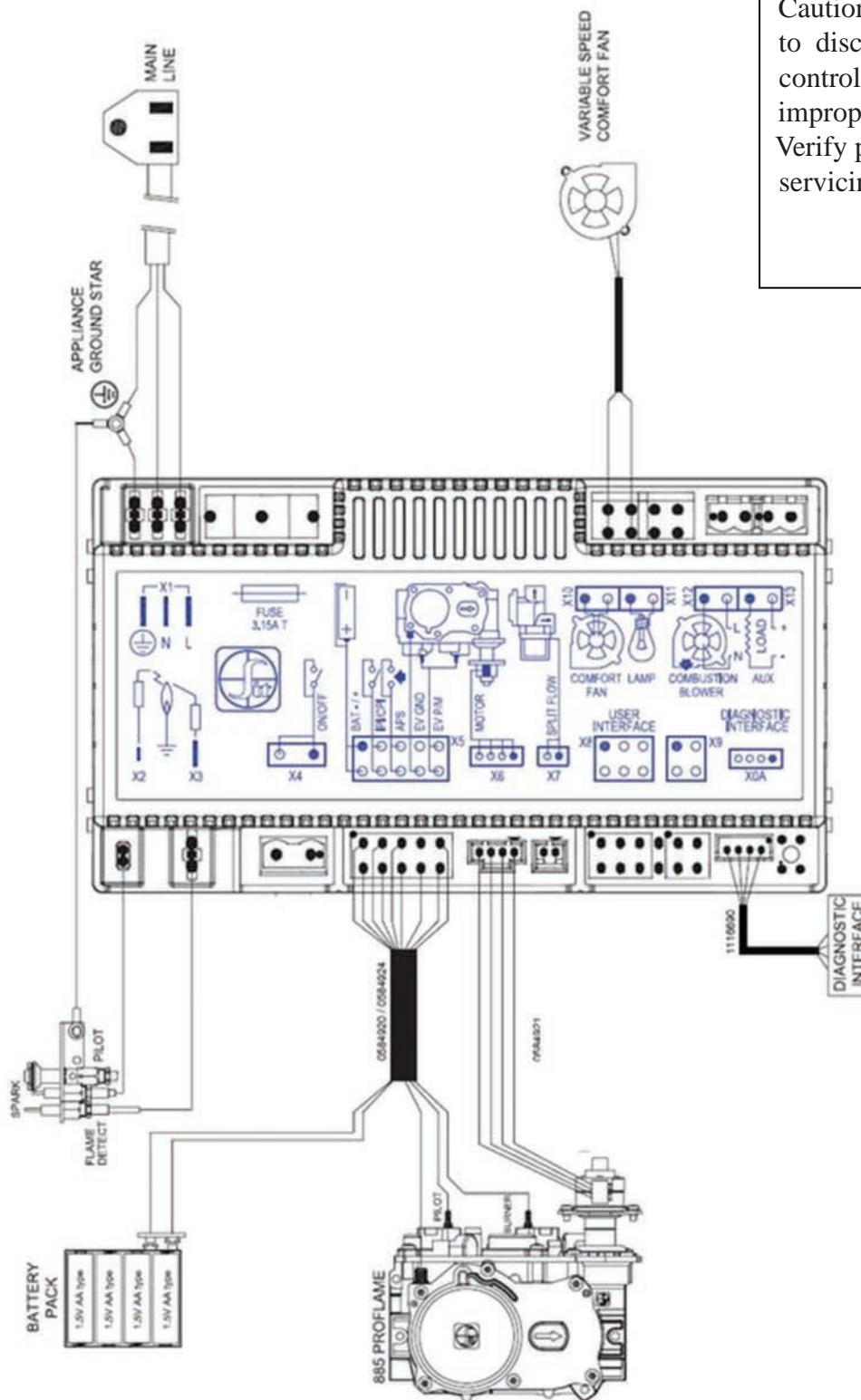
Tranquility Rock Set.....GASC.TRANQA

Optional Components

LP Conversion Kit.....GASC.LP30KIT



Wiring Diagram



Caution. Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

Figure 80: Wiring diagram.

Casco Rating Label



MODEL/
MODELE: CASCO

SERIES/
SERIE: B

MADE IN CANADA
FABRIQUE AU CANADA

**VENTED GAS FIREPLACE - NOT FOR USE
WITH SOLID FUEL//FOYER AU GAZ À ÉVACUATION -
NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE**

ANSI Z21.88-2014 / CSA 2.33-2014 Vented Gas Fireplace Heaters
CAN/CGA 2.17-M91 Gas-Fired Appliance For Use At High Altitudes.

LC- 208

This Appliance is Equipped For Use With /
Cet Appareil est Équipé Pour Utiliser Avec :

NATURAL GAS
GAZ NATUREL

LP-GAS
LP GAZ

Certified for / Certifié pour Canada and U.S.A.

| FOR USE WITH/ EN CASE D'EMPLOI AVEC: | NATURAL GAS/ DU GAZ NATUREL | LP GAS/ DU GAZ LP |
|--|---|--|
| Minimum supply pressure / Pression minimum d'alimentation: (For the purpose of input adjustment / dans le but de régler l'alimentation) | 5.0 in/wc / 5.0 po/c.e. (1.25 kPa) | 12.5 in/wc / 12.5 po/c.e. (3.11 kPa) |
| Maximum supply pressure / Pression maximum d'alimentation: | 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) | 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) |
| Manifold pressure / Pression de la tuyauterie: Maximum | 3.5 in/wc / 3.5 po/c.e. (.87 kPa) | 10.0 in/wc / 11.0 po/c.e. (2.74 kPa) |
| Orifice Size / Diametre de l'injecteur: | 1.98mm | 1.25mm |
| Input BTU/hr (kW) / Entree BTU/h (kW): | Max.:18,000Btu (5.3kw) Min.: 12,300Btu (3.6kw) | Max.:17,000Btu (5.0kw) Min.:13,500Btu (4.0kw) |

Unit electrical rating: 115v, 60hz, 0.52A / Normes electriques du unité: 115v, 60hz, 0.52 A

This appliance equipped for altitudes 0 - 4500 ft. (0 - 1372 m) / Cet unité est conçu pour des altitudes variant entre 0 - 4500 pieds (0 - 1372 m). In Canada, also certified for installation in a bedroom or a bedsitting room / Aussi certifié pour installation dans une chambre à coucher ou une salle de séjour. This appliance must be installed in accordance with local codes, if any; if none, follow the current CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) Installation Codes. Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les codes d'installation CAN/CGA-B149 (Canada), or ANSI Z223.1 (USA) en vigueur.

MANUFACTURED (MOBILE) HOME: This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owners manual for details.

FABRIQUEZ (MOBILE) MAISON: Cet appareil doit être utilisé uniquement avec le type de gaz indiqué sur la plaque signalétique et peut être installé dans une maison préfabriquée (mobile) installée à demeure si les règlements locaux le permettent. Voir la notice du propriétaire pour plus de détails. Cet appareil ne peut être converti à d'autres gaz sauf si une trousse de conversion certifiée est utilisée.

Install in accordance with the current standard Mobile Homes, CAN/CSA Z240 MH (in CANADA), and the Manufacturer's Home Construction and Safety Standard, Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, (in the U.S.A.). Cet appareil doit être installé conformément aux exigences de la norme CAN/CSA Z240 MH en vigueur de l'ACNOR, Installations de gaz dans les Constructions Mobiles.

FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY / POUR UTILISATION UNIQUEMENT AVEC LES PORTES IN VERRE CERTIFIÉES AVEC L'APPAREIL

MINIMUM CLEARANCES TO COMBUSTIBLES / CLAIRANCES MINIMALES AVEC LES COMBUSTIBLE

Left and Right side are determined when facing the front of the appliance. / Les côtés droit et gauche se déterminent en se mettant devant l'appareil et en lui faisant face.

For installation in a masonry fireplace only / Pour une installation dans un foyer maçonnerie seulement
Sidewall to Appliance / Du mur latéral à l'appareil
Mantel to Appliance / Du manteau à l'appareil
Maximum Mantel Extension / Allongement maximum du manteau
*See Installation Manual for more detail / Voyez des Directive de l'Installation pour plus détails.

0 in. (0 mm)
8 in. (203 mm)
* SEE USER MANUAL
*12 in. (305 mm)

Pacific Energy
Fireplace Products Ltd.
Duncan, British Columbia,
Canada

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.

AVERTISSEMENT: Une installation, un réglage, une modification, une réparation ou un entretien mal effectué peut causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou le fournisseur de gaz.

120515

5050.634-B

CASC.BODYB



5055.634-B

40

251115-44

CASC.BODYB
CMDN.BODYB

Camden Rating Label



MODEL/
MODELE:CAMDEN

SERIES/
SERIE: **B**

MADE IN CANADA
FABRIQUE AU CANADA

**VENTED GAS FIREPLACE - NOT FOR USE
WITH SOLID FUEL//FOYER AU GAZ À ÉVACUATION -
NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE**

ANSI Z21.88-2014 / CSA 2.33-2014 Vented Gas Fireplace Heaters
CAN/CGA 2.17-M91 Gas-Fired Appliance For Use At High Altitudes.

LC- 209

This Appliance is Equipped For Use With /
Cet Appareil est Équipé Pour Utiliser Avec :

**NATURAL GAS
GAZ NATUREL**

**LP-GAS
LP GAZ**

Certified for / Certifié pour Canada and U.S.A.

| FOR USE WITH/ EN CASE D'EMPLOI AVEC: | NATURAL GAS/ DU GAZ NATUREL | LP GAS/ DU GAZ LP |
|--|---|---|
| Minimum supply pressure / Pression minimum d'alimentation: (For the purpose of input adjustment / dans le but de régler l'alimentation) | 5.0 in/wc / 5.0 po/c.e. (1.25 kPa) | 12.5 in/wc / 12.5 po/c.e. (3.11 kPa) |
| Maximum supply pressure / Pression maximum d'alimentation: | 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) | 13.9 in/wc / 13.9 po/c.e. (3.45 kPa) |
| Manifold pressure / Pression de la tuyauterie: Maximum | 3.5 in/wc / 3.5 po/c.e. (.87 kPa) | 10.0 in/wc / 11.0 po/c.e. (2.74 kPa) |
| Orifice Size / Diametre de l'injecteur: | 2.55mm | 1.52mm |
| Input BTU/hr (kW) / Entree BTU/h (kW): | Max.:30,000Btu (8.8kw) Min.: 22,000Btu (6.5kw) | Max.:26,000Btu (7.6kw) Min.: 20,000Btu (5.9kw) |

Unit electrical rating: 115v, 60hz, 0.52A / Normes electriques du unité: 115v, 60hz, 0.52 A

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FOR USE WITH GLASS DOORS CERTIFIED WITH THE APPLIANCE ONLY / POUR UTILISATION UNIQUEMENT AVEC LES PORTES IN VERRE CERTIFIÉES AVEC L'APPAREIL

| MINIMUM CLEARANCES TO COMBUSTIBLES / CLAIRANCES MINIMALES AVEC LES COMBUSTIBLE | |
|---|-------------------|
| Left and Right side are determined when facing the front of the appliance. / Les côtés droit et gauche se déterminent en se mettant devant l'appareil et en lui faisant face. | |
| For installation in a masonry fireplace only / Pour une installation dans un foyer maçonnerie seulement | 0 in. (0 mm) |
| Sidewall to Appliance / Du mur latéral à l'appareil | 8 in. (203 mm) |
| Mantel to Appliance / Du manteau al'appareil | * SEE USER MANUAL |
| Maximum Mantel Extension / Allongement maximum du manteau | *12 in. (305 mm) |
| *See Installation Manual for more detail / Voyez des Directive de l'Installation pour plus détails. | |

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.

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Pacific Energy
Fireplace Products Ltd.
Duncan, British Columbia,
Canada

120515

5050.635-B

CMDN.BODYB





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For technical support, please contact your retailer

**Web site: www.pacificenergy.net
2975 Allenby Rd., Duncan, BC V9L 6V8**