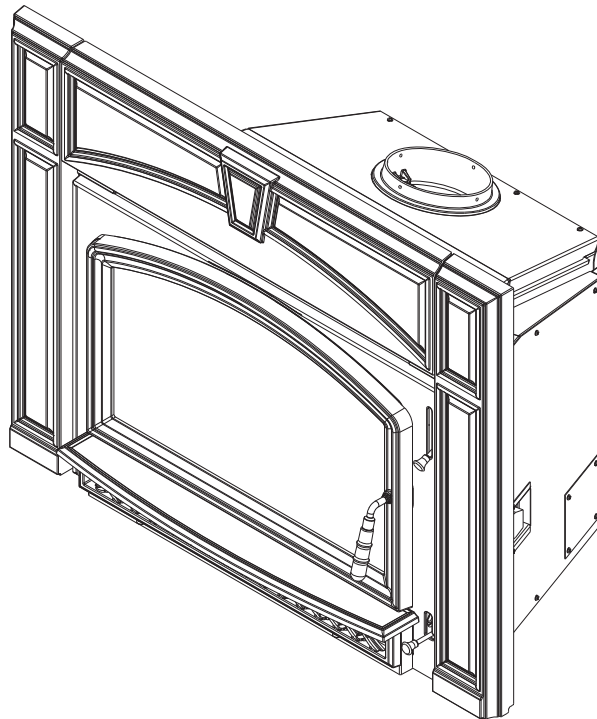


# **QUADRA-FIRE**

## **VOYAGEUR GRAND INSERT Automatic Combustion Control (ACC) OWNER'S MANUAL Installation and Operations**

**Model:  
GRAND-MBK-AU**



**INSTALLATIONS TO COMPLY WITH AS/NZS2918:2001  
AND WILL REQUIRE A BUILDING CONSENT**

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

- Fig. 3,4,5,6, 7 and Table 1,2,3,4 relate to installations with tested flue systems; as per **AS/NZS 2918:2001 - Appendix F**, with a ceiling angle between 0° - 30° inclusive.
- For installations with a ceiling angle greater than 30°, refer to Fig. 18.1, 21.1 & 21.2 and **AS/NZS 2918:2001 4.6.3(b)**
- Ceiling Plate may vary in size depending on ceiling angle. Please specify ceiling pitch prior to ordering the ceiling plate.
- Quadra-Fire Voyageur Grand ACC wood burner's are tested and approved to the N.Z. National Environmental Standards;

**GRAND-MBK-AU Voyageur Grand Insert Hardwood Certified**  
Particulate Emissions = 2.0 g/kg Space Heating Efficiency = 62.8%

# Congratulations



## and Welcome to the Quadra-Fire Family!

Hearth & Home Technologies welcomes you to our tradition of excellence! In choosing a Quadra-Fire appliance, you have our assurance of commitment to quality, durability, and performance.

This commitment begins with our research of the market, including 'Voice of the Customer' contacts, ensuring we make products that will satisfy your needs. Our Research and Development facility then employs the world's most advanced technology to achieve the optimum operation of

our stoves, inserts and fireplaces. And yet we are old-fashioned when it comes to craftsmanship. Each unit is meticulously fabricated and surfaces are hand-finished for lasting beauty and enjoyment. Our pledge to quality is completed as each model undergoes a quality control inspection.

We wish you and your family many years of enjoyment in the warmth and comfort of your hearth appliance. Thank you for choosing Quadra-Fire.

### VOYAGEUR GRAND

#### OVERALL AVERAGE EFFICIENCY BURNING HARDWOOD

(WHEN TESTED IN ACCORDANCE TO AS/NZS 4012)

62.8%

#### AVERAGE PARTICULATE EMISSION FACTOR BURNING HARDWOOD

(WHEN TESTED IN ACCORDANCE TO AS/NZS 4013)

2.0 g/kg

#### MAXIMUM AVERAGE HEAT OUTPUT BURNING HARDWOOD

9.3 kw

#### APPROVED FUEL

BURN ONLY HARDWOOD WITH A MOISTURE CONTENT LESS THAN 25% (dry basis).

#### WETBACK - ALL MODELS

#### MANUFACTURED BY

Wetbacks are NOT an approved option and must not be fitted.

NOTE: Performance may vary from test values depending on actual operating conditions.

INSTALLATION DATE      /      /     

# QUADRA-FIRE®

### VOYAGEUR GRAND INSERT

This appliance has been TESTED TO AS/NZS4013 for Hardwood by VIPAC LTD.

Report # 30A-13-0025-TRP-331382-0

Date tested: March 2013

Serial No.  
007057

Mfg by: HEARTH & HOME Technologies 1445 N. Highway, Colville, WA 99114 www.quadrafire.com  
U.S. ENVIRONMENTAL PROTECTION AGENCY - Export stove. May not be operated within the United States

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2013	2014	2015	DO NOT REMOVE THIS LABEL						Made in U.S.A. of US and imported parts.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>									

7075-206

**Safety Alert Key:**

- **DANGER!** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- **WARNING!** Indicates a hazardous situation which, if not avoided may result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.
- **NOTICE:** Indicates practices which may cause damage to the appliance or to property.

**TABLE OF CONTENTS**

Congratulations .....	2
Serial Number Label.....	2

**User's Guide**

**Section 1: Operating Instructions**

A. Quick Start Guide.....	4
B. Automatic Combustion Control (ACC) .....	5
C. Air Controls .....	5
D. Burn Rates and Operating Efficiency.....	5
E. Blower Control Box Snap Disc Operations .....	5
F. Blower Operating Instructions .....	5

**Section 2: Maintenance & Service**

A. Disposal of Ashes .....	7
B. Chimney and Chimney Connector Inspection/Cleaning.....	7
C. Appliance Inspection - Routine .....	7
D. Cleaning Plated Services .....	7
E. Glass Cleaning.....	8
F. Inspect Firebrick & Replacement Instructions...	8
G. Quick Reference Maintenance Guide .....	9
H. Trouble Shoot Guide .....	10

**Section 3: Service Parts Replacement**

A. Glass Replacement.....	11
B. Snap Disc Replacement.....	11
C. Wiring Diagram .....	11
D. Blower Replacement.....	12
E. Door Handle Assembly .....	13
F. Baffle & Ceramic Blanket Removal.....	13
G. Tube Channel Assembly Replacement.....	14

**Installer's Guide**

**Section 4: Getting Started**

A. Tools and Supplies Needed.....	15
B. Fire Safety.....	15
C. Inspect Appliance and Components and Pre-Burn Checklist.....	15

**Section 5: Dimensions and Clearances**

A. Appliance Dimensions.....	16
B. Clearances to Combustibles (UL and ULC) and Hearth Protection Requirements.....	17
C. Alternate Floor Protection Calculation.....	18

**Section 6: Chimney Systems**

A. Venting Systems.....	19
B. Inspections.....	19
C. Larger Chimneys.....	19
D. Masonry Chimney .....	19
E. Prefabricated Metal Chimney.....	19
F. Installation into a Masonry Fireplace.....	20
G. Installation into a Factory Built Fireplace .....	20

**Section 7: Appliance Set-up**

A. Outside Air Installation .....	22
B. Optional Elbow Flue Adapter Installation .....	23
C. Securing Stove Pipe/Liner to Flue Collar .....	23
D. Leveling Legs.....	23
E. Securing Appliance to Stove Pipe/Liner.....	24
F. Standard Surround & Trim Installation .....	24
G. Standard Surround & Cast Trim.....	25
H. All Cast Surround .....	26
I. Blower Cord Installation - Left Side.....	26

**Section 8: Reference Materials**

A. Warnings.....	29
B. Warranty Policy.....	30
C. Contact Information.....	32

# User's Guide

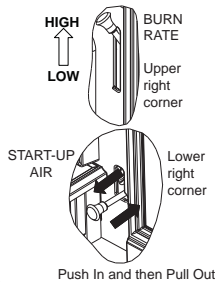
## 1 Operating Instructions

### A. Quick Start Guide

**Note:** These are generic drawings and may not represent your specific model.

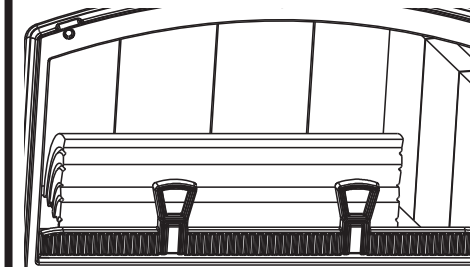
**FIRST FIRE ITEMS NEEDED:** 10 Pieces of Newspaper, 10-20 Pieces of Dry Kindling and a Few Pieces of Dry Split Wood.

#### OPEN AIR CONTROLS



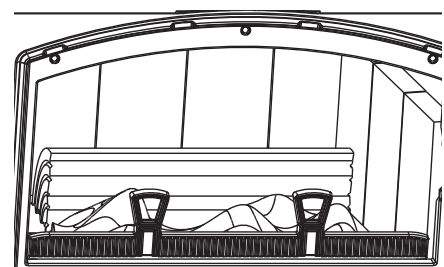
1

#### LOAD WOOD



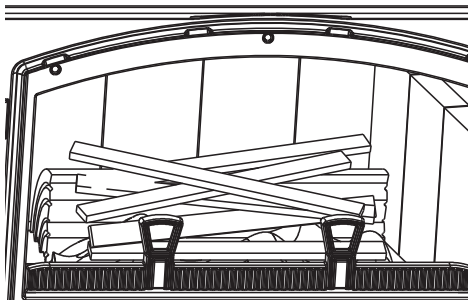
2

#### ADD NEWSPAPER



3

#### ADD KINDLING



LIGHT THE PAPER

4

#### WARNING! Risk Of Fire

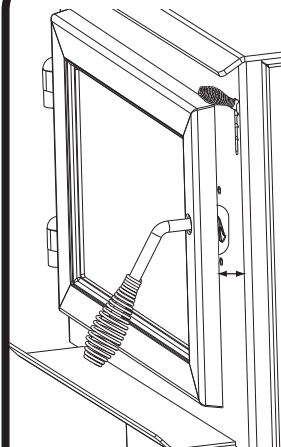
##### DO NOT LEAVE UNATTENDED

During startup, if additional draft is needed, allow the door to remain open approximately 1/2 inch. Once the draft is established, close and securely latch the door to prevent:

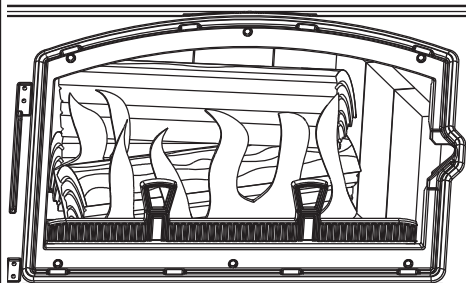
- Spillage of smoke, flame and carbon monoxide
- Spillage of sparks, coals and logs
- Over-firing

**DO NOT** leave the stove unattended with the door open

5



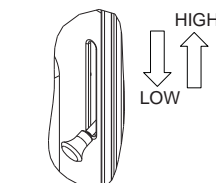
#### ADD MORE WOOD & SECURELY LATCH THE DOOR



6

#### REDUCE AIR CONTROL

Set to desired heat output



BURN RATE CONTROL  
Upper Right Corner

7

The stove is ready for normal operation.

## B. Automatic Combustion Control (ACC)

Typically, when you build a fire, you open the air controls fully and monitor the fire to prevent it from going into an overfire situation and/or burning your wood up too quickly before you shut down the air controls to the desired burn rate.

When using the Automatic Combustion Control (ACC) system, you do not have to continually monitor the fire. Once you set the ACC system it will control the fire for you. Follow the instructions below to learn how to operate your stove with ease.

## C. Air Controls

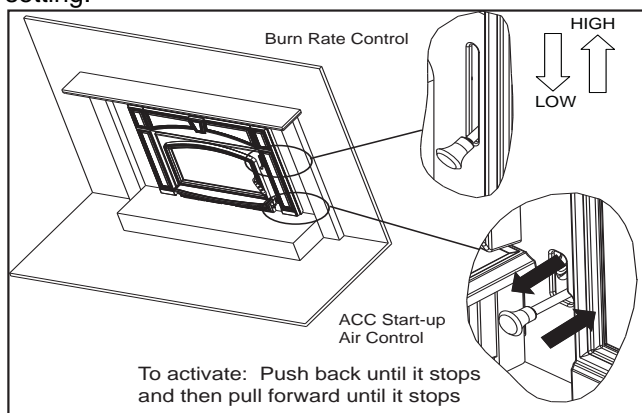
### 1. Start-Up Air Control

The function of the Start-Up Air Control is to activate the Automatic Combustion Control system (ACC).

- Push the Start-Up Air Control all the way back until it stops and then pull forward to the front of the appliance until it stops. **Figure 5.1.**
- The air channel opens and allows air to enter the front of the appliance for approximately 20-25 minutes.
- The air channel gradually shuts down until it is completely closed at the end of the 20-25 minutes.
- The fire is now controlled by the air supplied by the Burn Rate Air Control. **Figure 5.1.**
- This function should be performed each time you reload the appliance.

### 2. Burn Rate Air Control

- The air supply enters at the upper front of the firebox, near the top of the glass door.
- This preheated air supplies the necessary fresh oxygen to mix with the unburned gases, helping to create the second, third and fourth combustion process.
- This air is regulated by the Burn Rate Air Control.
- There are four settings High, Medium-High, Medium-Low and Low.
- When the control is raised all the way up it is on the High setting and when pushed all the way down it is on the Low setting.



**Figure 5.1 Start-up and Burn Rate Air Controls**

## D. Burn Rates and Operating Efficiency

### For maximum operating efficiency

1. Burn dry, well-seasoned wood.
2. Follow these burn rate instructions below and refer to **Figure 5.1.**

**\*NOTE:** These are guidelines. Actual settings may vary with type of wood, chimney draft, altitude and other variables.

## E. Blower Control Box & Snap Disc Operating Instructions

1. The blower will turn on/off automatically when set to AUTO. **Figure 6.1 on page 6.**
2. When set to MANUAL, the fan will turn on/off only when you turn it on or off. This setting over-rides the internal snap disc.
3. Swing the grille downward to expose the blower controls. Adjust the speed of the fan by turning the HIGH/LOW knob to the desired setting.

## F. Blower Operating Instructions

1. **Initial (cold) startup:** Open both controls fully by raising the Burn Rate Air Control all the way up until it stops and PUSH the Start-up Air Control back until it stops. The blower tends to cool the appliance. Leave the blower off until the burn is well established, i.e., 30 minutes.
2. **High Burn Setting:** Both controls are open. Burn Rate Air Control is pulled up and the Start-up Air Control is fully pushed in. Blower may remain on.
3. **Medium-High Burn Setting\*:** Burn Rate Air Control is closed then opened to 1 inch to fully open (pull up). Blower may remain on.
4. **Medium-Low Burn Setting\*:** Burn Rate Air Control is closed then opened to 1/4 inch to 1/2 inch (pull up). Leave the blower off until the burn is well established, i.e., 30 minutes.
5. **Low Burn Setting\*:** Burn Rate Air Control is closed (down position). Leave the blower off until the burn is well established, i.e., 30 minutes.

**\*NOTE:** For burn settings 3 to 5 the Start-up Air Control needs to be pushed in (Open) then pulled forward to activate the Automatic Combustion Control (ACC).

**NOTE:** For maximum efficiency and lowest emissions, when operating the blower in either the automatic or manual setting for the low and medium low burn settings leave the blower off until the burn is well established, i.e., 30 minutes.

6. The blower is equipped with a rheostat (speed control). The highest blower speed is obtained by turning the rheostat on, then adjusting back towards "OFF" as far as possible without turning the blower off. For a low blower speed, turn the control knob clockwise as far as possible

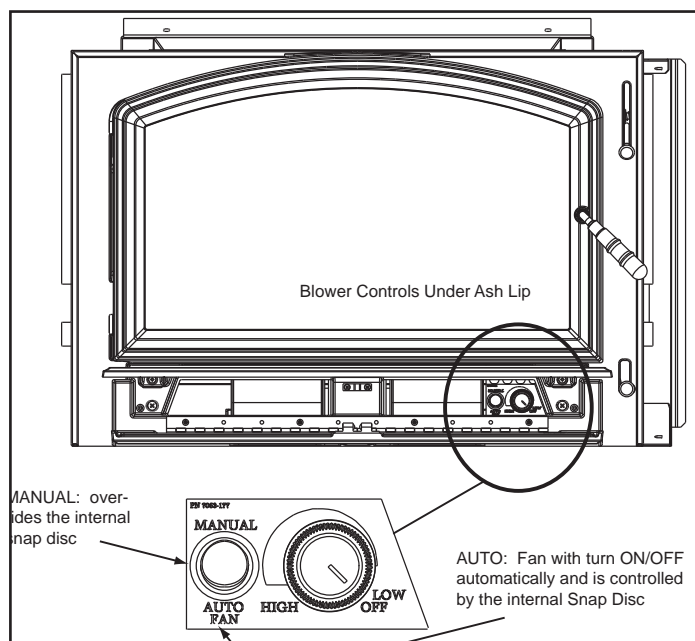


Figure 6.1

**NOTICE!**

Do NOT operate a circulating fan within close proximity, approximately 4 ft (1.2m), of appliance

- Can reverse air flow, blowing hot air into appliance cavity.
- Can damage appliance blower due to overheating.



## 2 Maintenance & Service

### A. Disposal of Ashes

- **Frequency:** When ash reaches the top of the brick covers (should not spill over covers). Leave 1/4 inch (6mm) of ash in the bottom of the firebox.
- **By:** Homeowner

**WARNING! Risk of Fire!** Ashes could contain hot embers.

- Place ashes in a metal container with a tight-fitting lid.
- The closed container should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal.
- If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled

### B. Chimney and Chimney Connector Inspection/Cleaning

- **Frequency:** Every 2 months during heating season or as recommended by a certified chimney sweep; more frequently if chimney exceeds or is under 14-16 feet (4.3 to 4.8m) measured from bottom of appliance.
- **By:** Certified chimney sweep
- Remove all ash from the firebox and extinguish all hot embers before disposal.
- Allow the appliance to cool completely.
- If your type of installation involves a full reline of the chimney, it will be necessary to either remove the baffle from the insert, or remove the insert from the fireplace and disconnect the vent prior to cleaning the chimney. Refer to **page 23** in this manual for instructions on Baffle Removal.
- If your type of installation is direct connect within a masonry chimney, the insert will need to be pulled out from the fireplace and disconnected from the flue prior to cleaning the chimney.
- The creosote or soot should be removed with a brush specifically designed for the type of chimney in use.
- Clean out fallen ashes from the firebox.
- It is also recommended that before each heating season the entire system be professionally inspected, cleaned and repaired if necessary.

**WARNING! Risk of Fire!**

*Do not use chimney cleaners or flame colorants in your appliance. It will corrode your pipe.*

### Creosote - Formation and Need for Removal

- When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote.
- The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire.
- As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire.
- The chimney and chimney connector shall be inspected every two months during the heating season to determine when a creosote buildup has occurred.
- When creosote has accumulated it shall be removed to reduce the risk of a chimney fire.

### C. Appliance Inspection - Routine

- **Frequency:** Every 2 months at the same time the chimney and chimney connector are inspected.
- **By:** Homeowner

Check for:

- Cracks in glass
- Door handle - smooth cam operation
- Baffle and ceramic blanket correct placement
- Baffle for warpage
- Firebrick for cracks, broken or crumbly
- Door gasket. (Dollar bill test). Place a dollar bill between the stove and the door and then shut the door. If you can pull the dollar bill out, replace the door gasket.
- Glass frame for loose screws

### D. Cleaning Plated Surfaces

- **Frequency:** As desired
- **By:** Homeowner
- Clean all the fingerprints and oils from plated surfaces **BEFORE** firing the appliance for the first time.
- If not cleaned properly before lighting your first fire, the oils can cause permanent markings on the plating.
- After the plating is cured, the oils will not affect the finish and little maintenance is required.
- Wipe clean as needed.

**CAUTION! Do not use polishes with abrasives.** It will scratch plated surfaces.

**E. Glass Cleaning**

- **Frequency:** As desired
- **By:** Homeowner
- Clean glass with a non-abrasive glass cleaner. Abrasive cleaners may scratch and cause glass to crack.
- If the deposits on the glass are not very heavy, normal glass cleaners work well. Heavier deposits may be removed by using a damp cloth dipped in wood ashes or by using a commercially available oven cleaner.
- After using an oven cleaner, it is advisable to remove any residue with a glass cleaner or soap and water. Oven cleaner left on during the next firing can permanently stain the glass and damage the finish on plated metal surfaces.
- A portion of the combustion air entering the firebox is deflected down over the inside of the door glass.
- This air flow “washes” the glass, helping to keep smoke from adhering to its surface.
- When operated at a low burn rate, less air will be flowing over the glass and the smoky, relatively cool condition of a low fire will cause the glass to become coated.
- Operating the appliance with the Burn Rate Air Control and Start-Up Air Control all the way open for 15-20 minutes should remove the built up coating.

**CAUTION! Handle glass assembly with care. Glass is breakable.**

- *Avoid striking, scratching or slamming glass*
- *Avoid abrasive cleaners*
- *Do not clean glass while it is hot*

**F. Inspect Firebrick & Replacement Instructions**

- **Frequency:** After each ash removal
- **By:** Homeowner

Replace the firebrick if they become crumbly and/or if there is a 1/4 inch (6.35mm) gap between the bricks.

The firebox is lined with firebrick, which has exceptional insulating properties. Do not use a grate; simply build a fire on the firebox floor. Do not operate appliance without firebrick.

1. After the coals have completely cooled, remove all old brick and ash from unit and vacuum firebox.
2. Remove new brick set from box and lay out to the diagram shown in the instructions that come with the replacement brick set.
3. Lay bottom bricks in unit.
4. Install rear bricks on the top of the bottom bricks.
5. Install side bricks. Slide top of brick under clips on side of firebox and push the bottom of the brick until it is flush with the side of the unit.

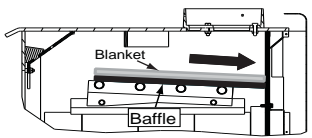
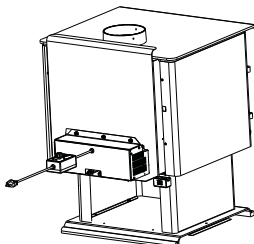
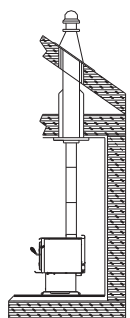
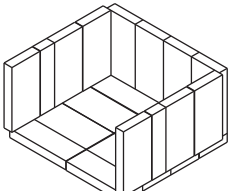
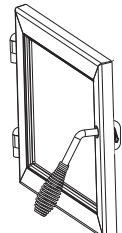
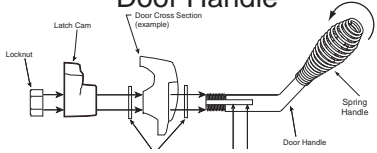
Use Part 832-0550 when ordering individual brick. Provide brick dimension or copy the page in the service parts list, mark the desired brick and take it to your authorized dealer.



## G. Quick Reference Maintenance Guide

**CAUTION!** Allow the appliance to completely cool down before performing any cleaning or maintenance.

Start the first inspection after the first 2 months of use, or if performance changes, and adjust your schedule accordingly. Maintenance is required for safe operation and must be performed to maintain your warranty.

Baffle & Blanket	Frequency	Task
	<p>MONTHLY or After Every Cord of Wood</p>	<p>Baffle and blanket placement is critical to heat output, efficiency and overall life of the unit. Make sure the baffle is pushed all of the way to the back of the firebox and the blanket is laying flat. Inspect baffle for cracks.</p>
<p>Optional Blower</p> 	<p>YEARLY or After Every 4 Cords of Wood</p>	<p>Vacuum the blower impellers.</p>
<p>Chimney System</p> 	<p>EVERY 2 MONTHS or After Every 4 Cords of Wood</p>	<p>The chimney and chimney cap must be inspected for soot and creosote every two months during the burn season or more frequency if chimney exceeds or is under 14-16 ft (4.3m-4.8m) measured from bottom of appliance.</p> <p>This will prevent pipe blockage, poor draft, and chimney fires.</p> <p>Always burn dry wood to help prevent cap blockage and creosote build-up.</p>
<p>Firebrick &amp; Ash Removal</p> 	<p>WEEKLY or After Every 25 Loads of Wood</p>	<p>Ashes must be cool before you can dispose of the ashes in a non-combustible container.</p> <p>Firebrick is designed to protect your firebox. After ashes are removed, inspect the firebrick and replace firebricks that are crumbling, cracked or broken.</p>
<p>Door &amp; Glass Assemblies</p> 	<p>WEEKLY or After Every 25 Loads of Wood</p>	<p>Keep door and glass gasket in good shape to maintain good burn times on a low burn setting. To test: place a dollar bill between the stove and door and then shut the door. If you can pull the dollar out, remove one washer from door handle behind latch cam and try again. If you can still pull it out, replace the door gasket. Check the glass frame for loose screws to prevent air leakage. Check glass for cracks.</p>
<p>Door Handle</p> 	<p>WEEKLY or After Every 25 Loads of Wood</p>	<p>Check the door latch for proper adjustment. This is very important especially after the door rope has formed to the stove face.</p> <p>Check door handle for smooth cam operation.</p>

**Note: These are generic drawings and may not represent your specific model.**

## H. Troubleshooting Guide

With proper installation, operation, and maintenance your woodstove will provide years of trouble-free service. If you do experience a problem, this troubleshooting guide will assist you or a qualified service person in the diagnosis of a problem and the corrective action to be taken.

Start Fire Problems	Possible Cause	Solution
Can not get fire started Excessive smoke or spillage Burns too slowly Not enough heat output	Not enough kindling/paper or no kindling/paper	Use dry kindling, more paper. Arrange kindling & wood for air movement.
	Not enough air for fire to ignite	Check for restricted termination cap
		Check for blockage of outside air kit (if installed).
		Check for flue blockage.
		Pre-warm flue before starting fire (refer to Building a Fire Section).
		Check for adequate vent height (refer to Chimney Height Section).
		Open window below the appliance towards the wind.
	Wood condition is too wet, too large	Use dry, seasoned wood (refer to Seasoned Wood Section).
	Bed of coals not established before adding wood	Start with paper & kindling to establish bed of coals (refer to Building a Fire Section).
	Flue blockage such as birds' nests or leaves in termination cap	Have chimney inspected for creosote and cleaned by a certified chimney sweep.
Fire burns too fast	Down draft or negative pressure Competition with exhaust devices	Do not use exhaust fans during start-up (refer to Negative Pressure Section).
		Open window below the appliance towards the wind.
	Extremely dry or soft wood	Mix in hardwood.
		Mix in less seasoned wood after fire is established (refer to Wood Fuel Section).
		Check for correct vent height; too much vertical height creates overdrafting.
		Check location of vent termination (refer to Chimney Termination Requirement Section).
Overdrafting		

# 3 Service Parts Replacement

**UNPLUG APPLICE FROM ANY POWER SOURCE  
BEFORE REPLACING ANY COMPONENTS**

## A. Glass Replacement

*(Replace with 5mm ceramic glass only)*

1. Ensure that the fire is out and the appliance is cool to the touch.
2. Protect a table or counter top with padding or towels. Protect your hands and wear gloves to prevent injury.
3. Remove the door with the broken glass by lifting the door up and off of the hinges.
4. Lay door face down on a table or counter making sure the handle hangs over the edge so the door lays flat, on a soft surface.
5. Remove the screws from each glass retainer and remove the glass. (If screws are difficult to remove, soak with penetrating oil first).
6. Center the glass with edges evenly overlapping the opening in the door, (i.e. same space top and bottom, left and right sides).
7. Replace the glass retainers. Be careful not to cross thread the screws.
8. Tighten each retainer just a few turns until each is secured. Check again for centering of glass in door frame. Continue to tighten each retainer alternately, a few turns at a time, until the glass is secure. DO NOT OVERTIGHTEN - can cause glass to break.
9. Replace the door on the appliance.

### **WARNING! Risk of Fire or Injury!**

Use only glass that is specified in the manual, **DO NOT** replace with any other material. Glass breakage will occur.

### **CAUTION!**

Handle glass with care.

- Inspect the gasket to ensure it is undamaged.
- Do NOT strike, slam or scratch glass.
- Do NOT operate appliance with glass & door assembly removed.
- Do NOT operate with glass cracked, broken or scratched.

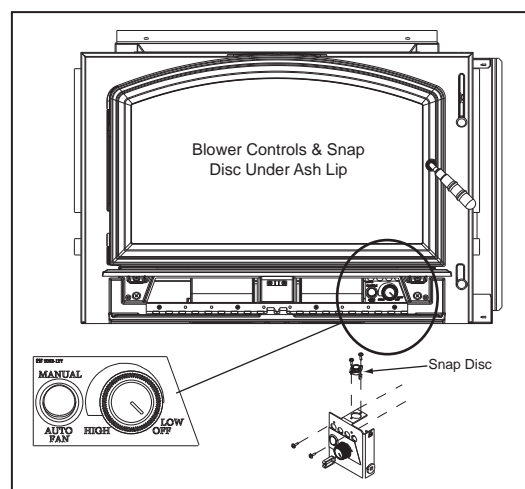
Quadra-Fire appliances are equipped with ceramic super heat-resistant glass, which can only be broken by impact or misuse.

## B. Snap Disc Replacement

1. The grille on the blower access assembly is hinged. Swing the grille downward to expose the 2 screws. **Figure 9.1 on page 9.**

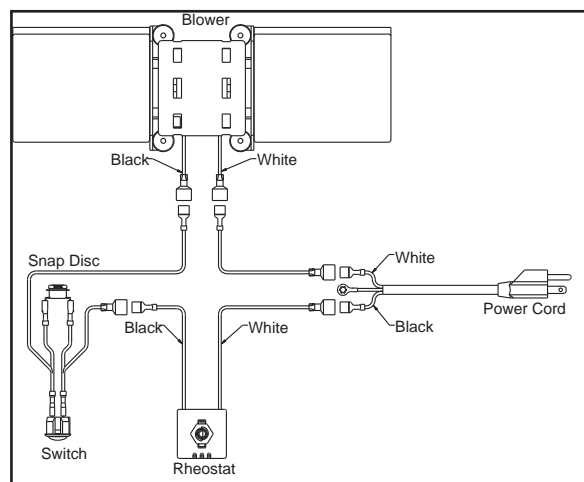
## B. Snap Disc Replacement (Cont'd)

2. Remove the 2 screws from the blower access assembly and slide assembly away from the appliance
3. Locate the snap disc bracket assembly behind the blower controls on the right side under the ash lip. **Figure 8.1**
4. Remove the 2 mounting screws in the blower control bracket and slide assembly towards you.
5. Using a Phillips head screw driver, remove the 2 screws from the snap disc and lift the snap disc off of the mounting bracket. Disconnect the wires and replace with new snap disc and re-connect the wires.
6. Slide the blower control bracket back into position and secure with the 2 mounting screws.



**Figure 7.1 Snap Disc Location**


## C. Wiring Diagram



## D. Blower Replacement


1. The grille on the blower access assembly is hinged. Swing the grille downward to expose the 2 screws. **Figure 8.1**

2. Remove the 2 screws from the blower access assembly and slide assembly away from the appliance.
3. Disconnect the wires from the blower.
4. Remove the 2 screws from the hold down bracket and pull the blower and bracket forward.
5. Remove the blower from the hold down bracket.
6. Remove the protection guards from each end of the blower.
7. Re-install in reverse order. Be certain that the hold down bracket's screws are completely seated in the grommets. Insert the locating tab in the hold down bracket into the placement slot.

**CAUTION**

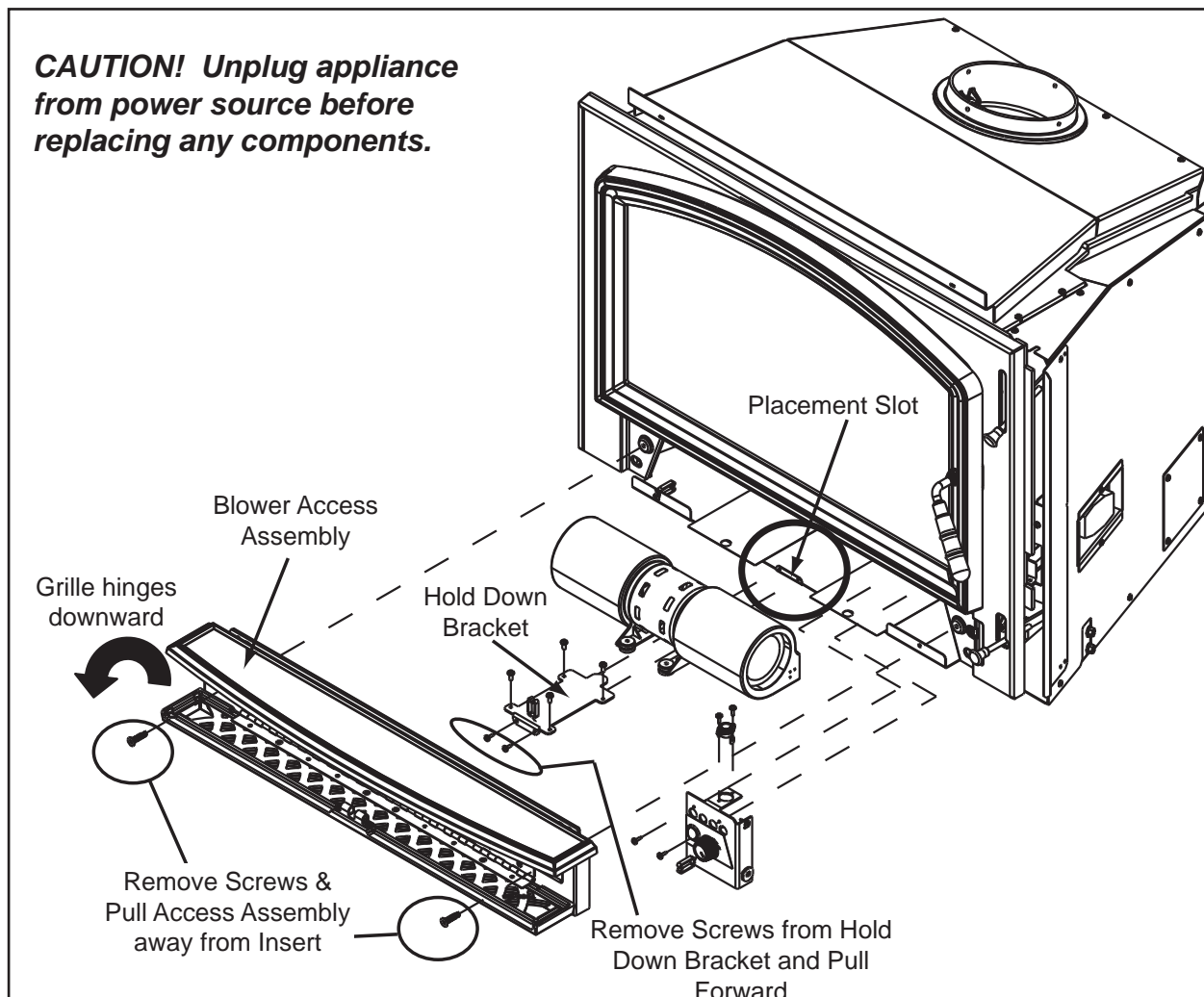
**Shock Risk**

- Do NOT remove grounding prong from plug.
- Plug directly into properly grounded 3 prong receptacle.
- Route cord away from appliance.
- Do NOT route cord under or in front of appliance.

**WARNING**

**Fire Risk**

- Do NOT allow hot coals or embers to overflow ash lip
- May melt protective wire coating on fan power cord causing electrical short, fire or injury

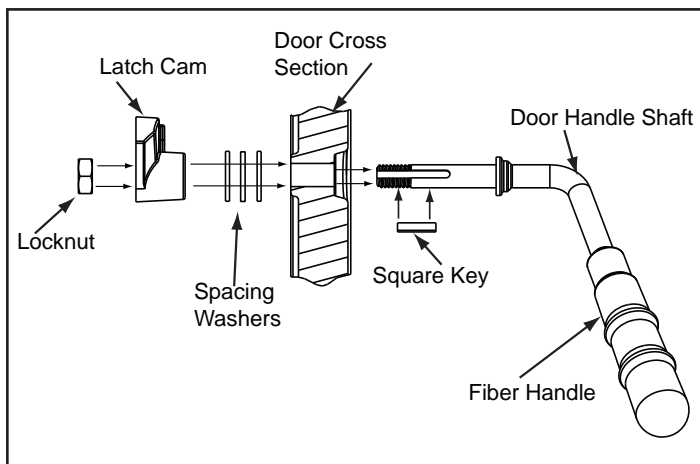


**Figure 8.1**

## E. Door Handle Assembly

1. Install washer on door handle shaft.
2. Slide door handle through door.
3. Install additional washer(s) as shown in **Figure 9.1**.
4. Install key in groove.
5. Align groove in latch cam with key; slide latch cam over shaft
6. Install locknut but do not overtighten, the handle needs to move smoothly.
7. Install handle turning in a counter-clockwise motion to desired location on door handle rod. **Figure 9.1**

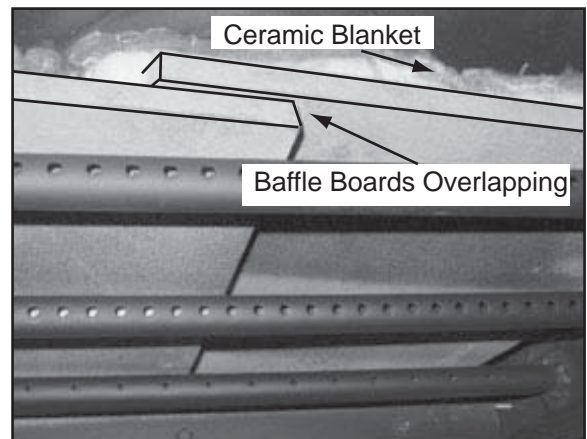
**CAUTION!** Do not overtighten lock nut. The door handle needs to move smoothly.



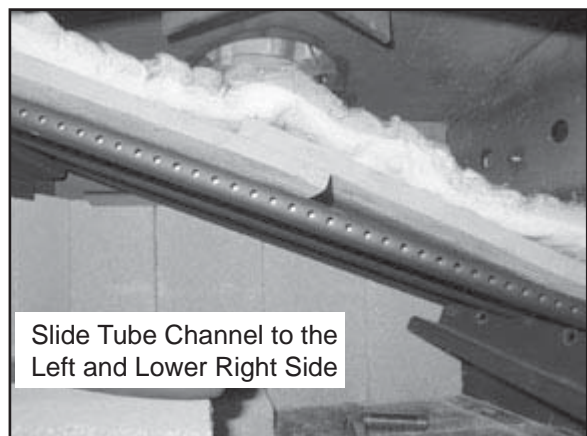
**Figure 9.1**

## F. Baffle & Ceramic Blanket Removal

1. Remove all ash from the firebox, and extinguish all hot embers before disposal into a metal container.
2. It is easier to remove both baffle boards and ceramic blanket after the tube channel assembly has been partially disassembled and the right side lowered. It is not necessary to completely remove the tube channel assembly.
3. Once the baffle protection cover has been removed, pull the baffle boards and ceramic blanket forward about 1 inch (25mm) and then overlap the baffles about 1-2 inches (25-51mm). **Figure 9.2**
4. Slide the tube channel assembly to the left as far as it will go and lower the right side. Remove the baffle boards and ceramic blanket together. **Figure 9.3**
4. Re-install in reverse order. Be sure the baffle boards and ceramic blanket are in their proper positions.



**Figure 9.2**



**Figure 9.3**



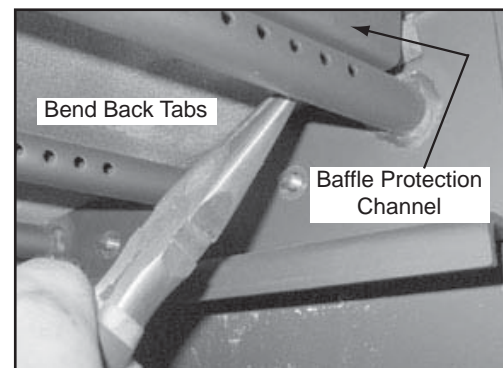
## G. Tube Channel Assembly Replacement

### Removing Tube Channel Assembly

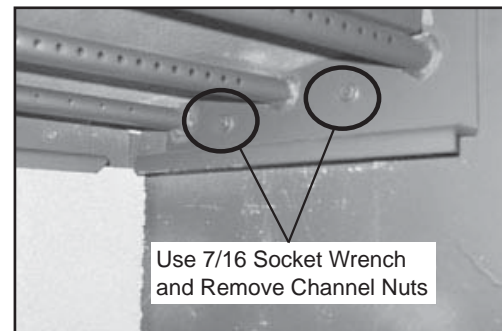
1. Remove the 3 right side bricks.
2. Remove the baffle protection channel by bending back the tabs using needle nose pliers located at the right and left side of the protection cover. Lift the cover up slightly and pull toward the front and out of the firebox. **Figure 10.1**
3. Locate the 2 channel nuts and two bolts inside of chamber and remove using a 7/16 socket wrench. **Figure 10.2**

**NOTE:** Soak the bolts with penetrating oil for at least 15 minutes before trying to remove them.

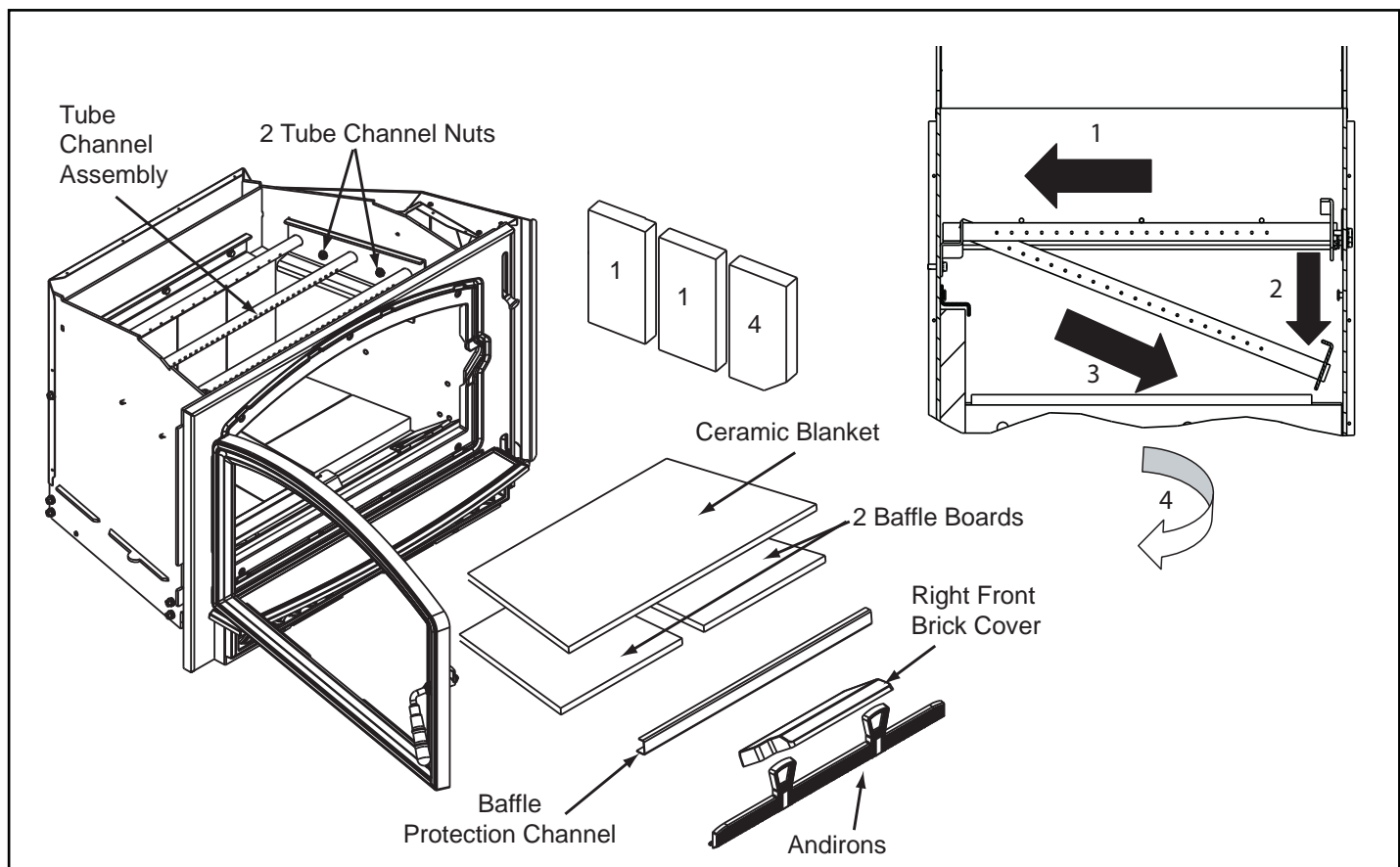
4. Slide the tube channel assembly all the way to left until it is off the threads. Drop the right side down, then slide the assembly back to right. **Figure 10.3**
5. The ceramic blanket and both baffle boards can be removed at the same time you remove the tube channel assembly.
6. When the tube channel assembly is free of the left side support, rotate clockwise and pull assembly, blanket and baffles out through the front opening.
7. Re-install in reverse order.



**Figure 10.1**



**Figure 10.2**



**Figure 10.3**



# Installer's Guide

## 4 Getting Started

### A. Tools And Supplies Needed

Before beginning the installation be sure the following tools and building supplies are available:

7/16 Socket	Framing materia
Reciprocating saw	High temp caulking material I
Pliers	Gloves
Hammer	Framing square
Phillips screwdriver	Electric drill and bits
Flat blade screwdriver	Safety glasses
Plumb line	Tape measure
Level	
Wire Cutters to remove from pallet	
1/2-3/4 in. length, #6 or #8 self-drilling screws	
Misc. screws and nails	

### B. Fire Safety

To provide reasonable fire safety, the following should be given serious consideration:

1. Install at least one smoke detector on each floor of your home to ensure your safety. They should be located away from the heating appliance and close to the sleeping areas. Follow the smoke detector manufacturer's placement and installation instructions, and be sure to maintain regularly.
2. A conveniently located fire extinguisher to contend with small fires resulting from burning embers.

### C. Inspect Appliance and Components

- Remove appliance and components from packaging and inspect for damage.
- Vent system components and doors are shipped in separate packages.
- Report to your dealer any parts damaged in shipment.
- **Read all the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.**

### Pre-Burn Check List

1.	↓	Place the appliance in a location near the final installation area and follow the procedures below:
2.		Open the appliance and remove all the parts and articles packed inside the Component Pack. Inspect all the parts and glass for shipping damage. Contact your dealer if any irregularities are noticed.
3.		All safety warnings have been read and followed.
4.		This Owner's Manual has been read.
5.		Floor protection requirements have been met.
6.		Venting is properly installed per vent manufacturing instructions.
7.		The proper clearances from the appliance and chimney to combustible materials have been met.
8.		The masonry chimney is inspected by a professional and is clean, or the factory built metal chimney is installed according to the manufacturer's instructions and clearances.
9.		The chimney meets the required minimum height.
10.		All labels have been removed from the glass door.
11.		Plated surfaces have been wiped clean, if applicable.
12.		A power outlet is available nearby for use of the blower assembly.



### WARNING

#### Fire Risk

Inspect appliance and components for damage. Damaged parts may impair safe operation.

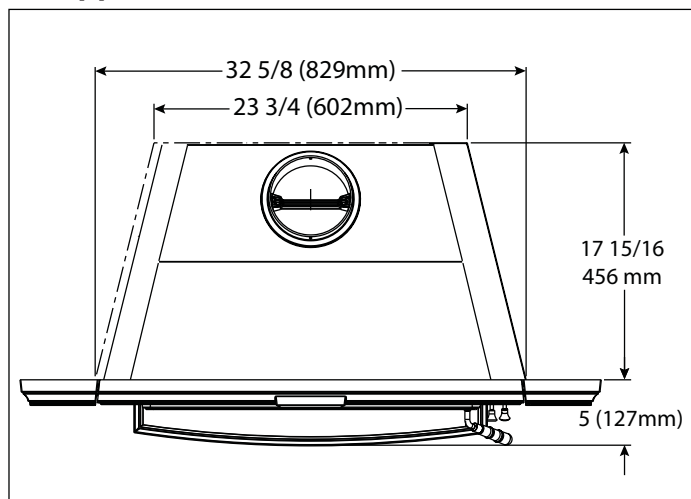
- Do NOT install damaged components.
- Do NOT install incomplete components.
- Do NOT install substitute components.

Report damaged parts to dealer.

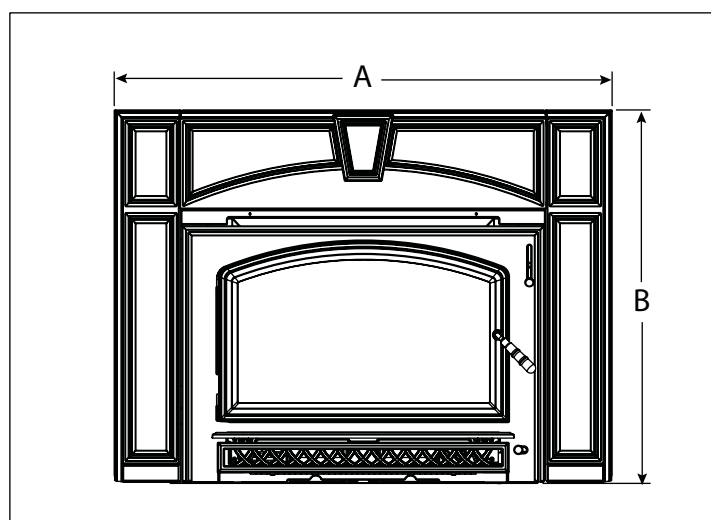
# 5 Dimensions and Clearances

## A. Appliance Dimensions

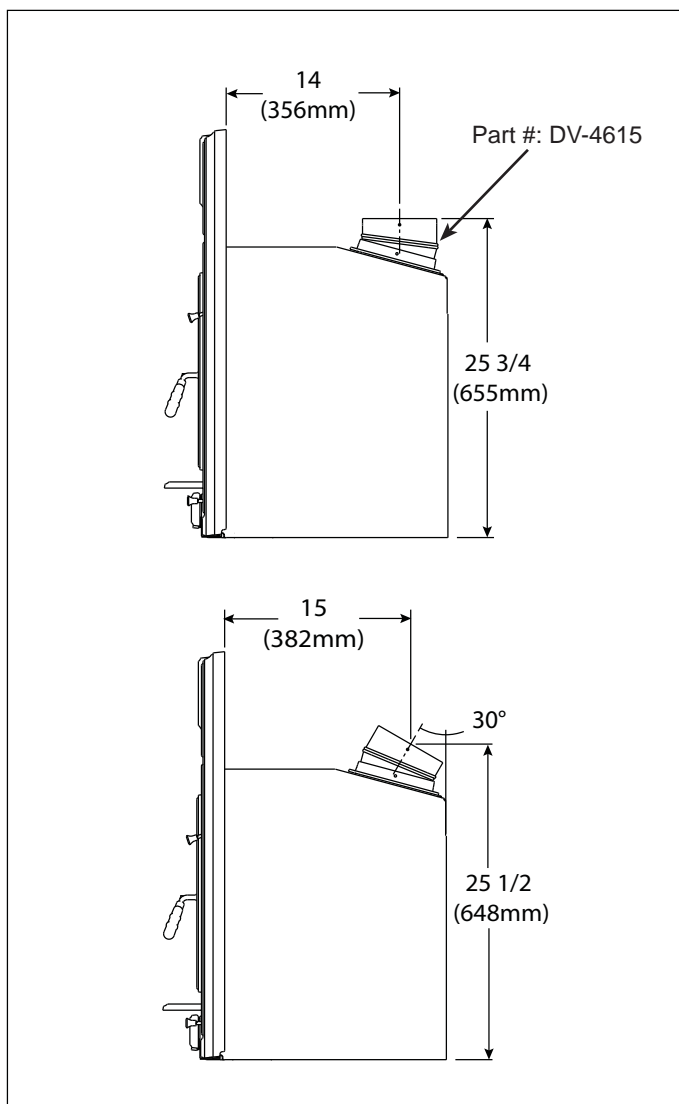
**NOTE: Flue Collar size is 152 mm diameter (ID)**



**Figure 12.1 Top View**

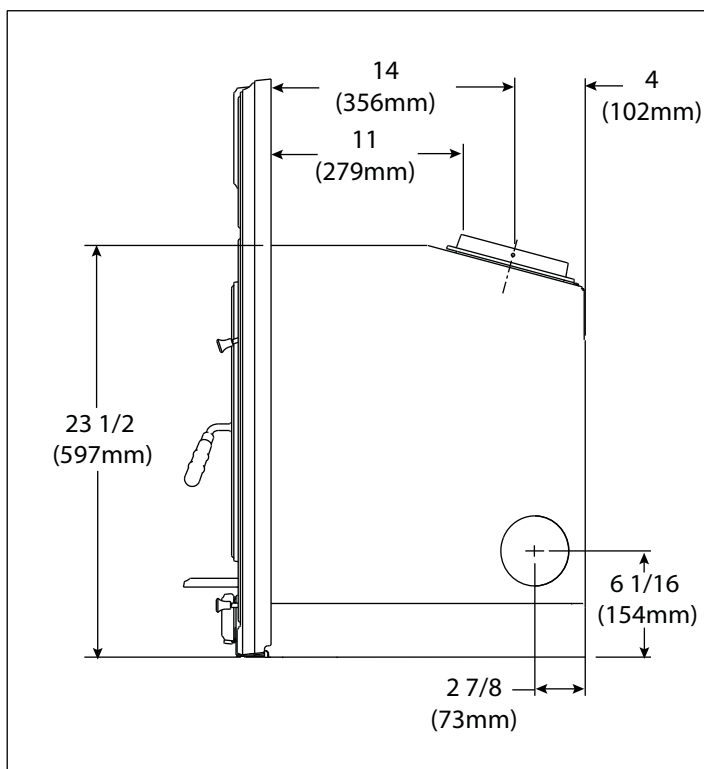


**Figure 12.2 Front View with Cast Surround**



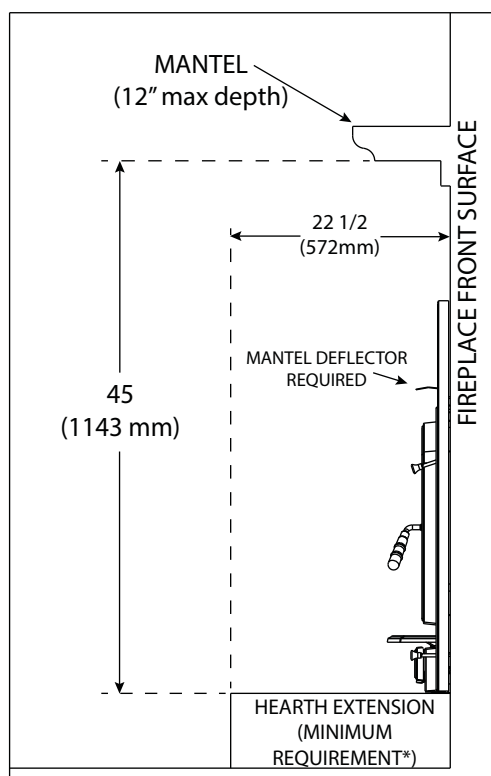
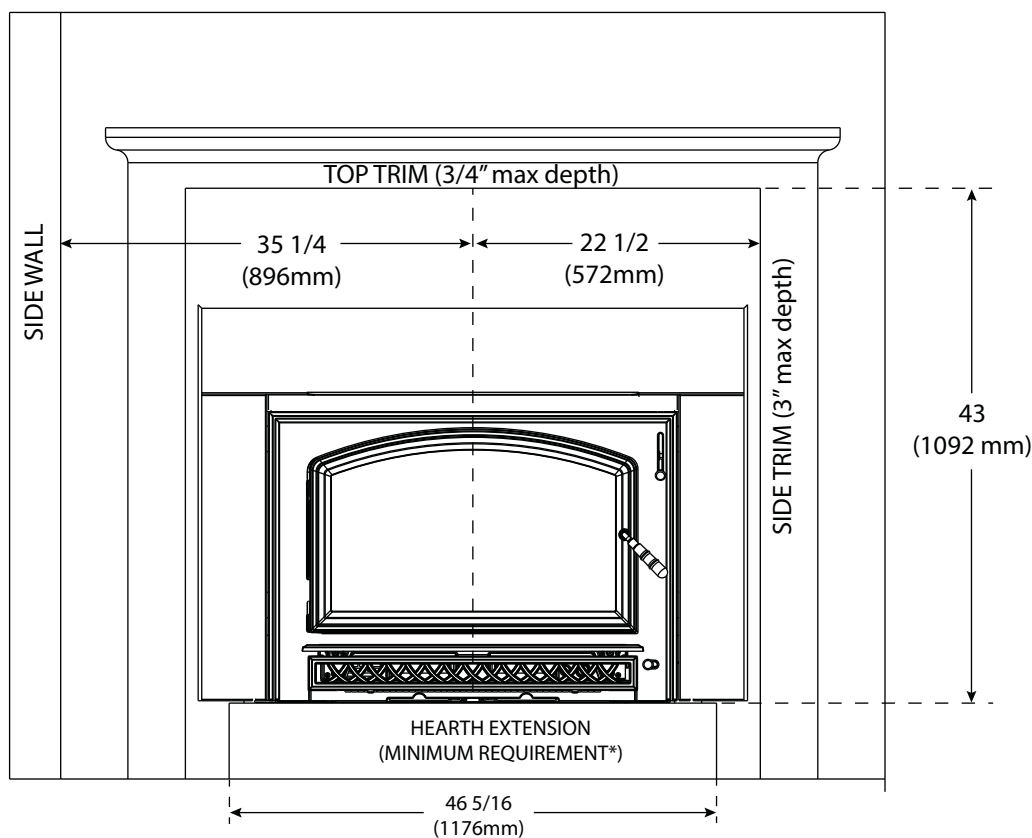
**Figure 12.3 - Side View With Optional Flue Adapter**

Overall Sizes	A	B
Metal Surround w/Cast Trim-STD	1080 mm	762 mm
Metal Surround w/Cast Trim-LRG	1219 mm	864 mm
All Cast Surround	1016 mm	762 mm
Metal Surround w/Standard Trim-STD	1092 mm	787 mm
Metal Surround w/Standard Trim-LRG	1295 mm	2184 mm



**Figure 12.4 - Side View Without Optional Flue Adapter**

## B. Clearances to Combustibles



### MINIMAL REQUIREMENT FOR EXTENSION PROTECTION\*

THE HEARTH THERMAL PROTECTION MINIMAL REQUIREMENT IS A MINIMUM QUANTITY OF 2 - 15MM COMPRESSED CEMENT SHEETS STACKED ON TOP OF EACH OTHER WITH A THERMAL CONDUCTIVITY OF 0.5 W/m<sup>2</sup>K.

**NOTE:** The fireplace is to be set on a non-combustible surface.

## B. Clearances to Combustibles (Cont'd)

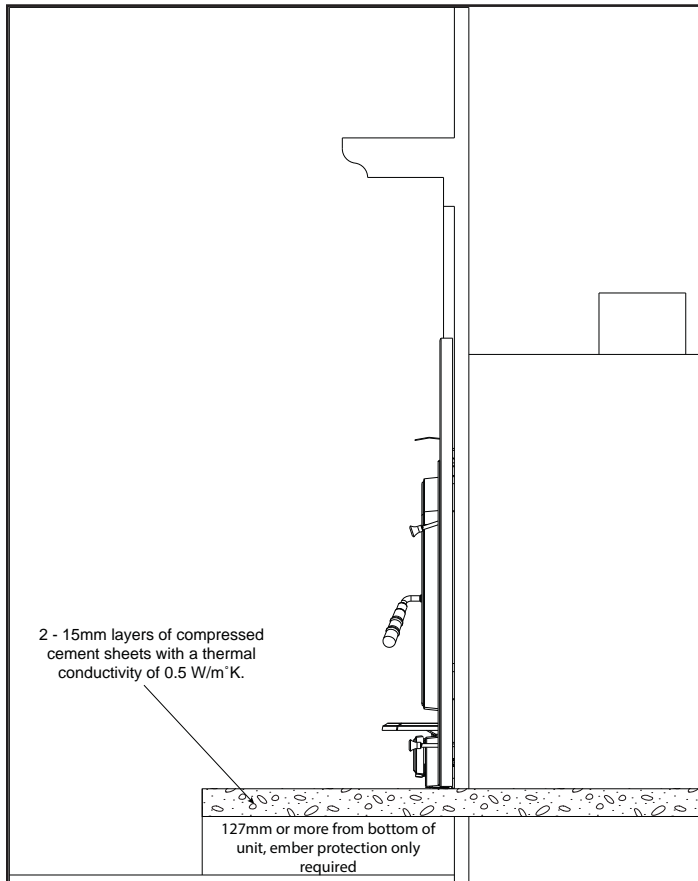


Figure 14.1

**NOTE:** Hearth Rug may be used in Suggested Area

**WARNING**

**Fire Risk**

- Comply with all minimum clearances to combustibles as specified.
- Failure to comply may cause house fire.

**NOTE:** Clearances may only be reduced by means approved by the regulatory authority having jurisdiction

Quadra-fire Voyageur Grand ACC does not require a insulating Floor Protector, as they are tested and comply with the minimum Floor Protector requirements of **AS/NZS 2918:2001**.

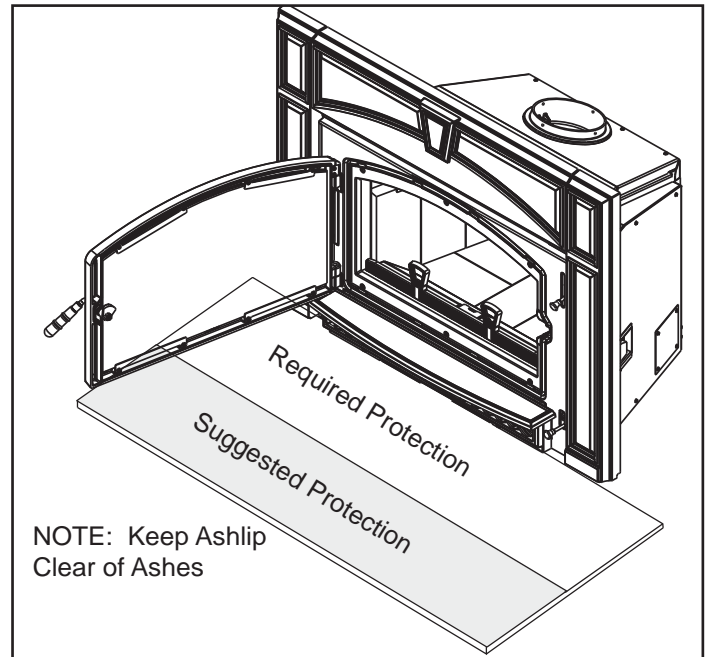


Figure 14.2

## C. Minimum Opening for Masonry & Factory Built Fireplaces

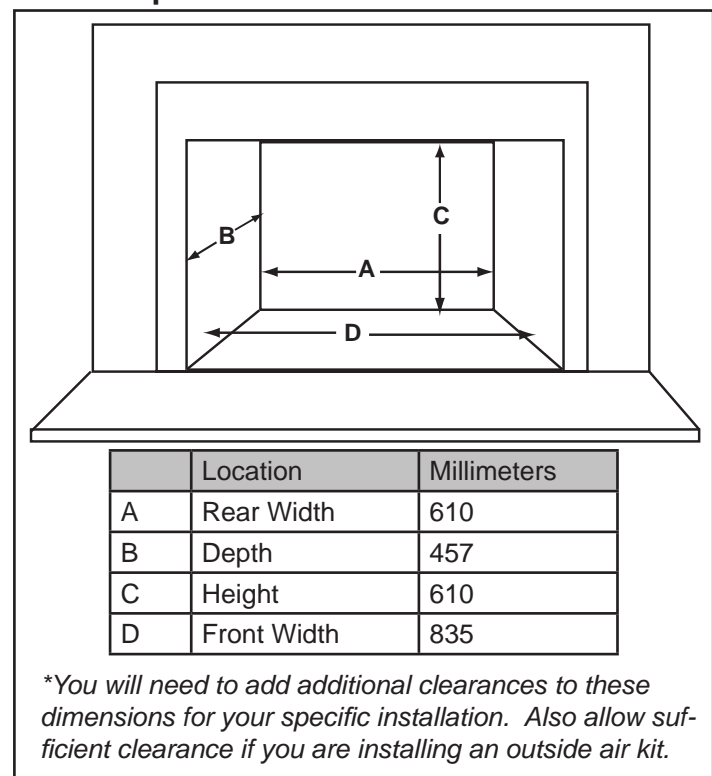


Figure 14.3

**NOTE:** HEAT SHIELD REQUIREMENTS FOR HEAT SENSITIVE WALLS. Clearances may be reduced by provision of an appropriately located heat shield refer to **AS/NZS 2198:2001 3.2.3**

# 6 Chimney Systems

## A. Venting Systems

**Chimney Connector:** It is also known as flue pipe or stove pipe. It must be 152 mm minimum diameter stainless steel connector pipe.

**Chimney:** The chimney can be new or existing, masonry or prefabricated and must meet the following minimum requirements as specified below.

### **WARNING! Risk of Fire!**

*Follow venting manufacturer's clearances and instructions when installing venting system.*

## B. Inspections

Existing chimneys should be inspected and cleaned by a qualified professional prior to installation. The chimney must not have cracks, loose mortar or other signs of deterioration and blockage.

## C. Larger Chimneys

Hearth & Home recommends that chimneys with larger diameters than 152 mm be fully relined. An oversized flue can affect draft and impair performance and will allow increased build-up of creosote which is why a full reline is strongly recommended.

## D. Masonry Chimney

- Must have at least 16 mm fireclay lining joined with refractory cement.

**NOTE: Installations into a clay flue without a stainless steel liner may reduce draw which affects performance, will cause the glass to darken and produce excessive creosote and create start-up issues.**

- The masonry wall of the chimney, if brick or modular block, must be a minimum of 102 mm nominal thickness.
- A chimney of rubble stone must be at least 305 mm thick.
- Should be lined with a 152 mm stainless steel flue liner to improve performance and reduce creosote build-up and difficulty starting a fire.
- An equivalent liner must be a listed chimney liner system or other approved material.
- No dilution air is allowed to enter the chimney.
  1. Secure the fireplace damper in the open position. If this cannot be accomplished, it will be necessary to remove the damper
  2. Seal damper area of chimney around chimney connector with a high temperature sealant or seal insert against the face of the fireplace.

3. Both methods must be removable and replaceable for cleaning and re-installation.

- When possible, install an airtight clean-out door to the rear of the smoke shelf.

**NOTE:** Masonry chimneys are significantly less than ideal for venting solid fuel appliances. A masonry chimney is not subject to any temperature limit test, therefore a full reline is strongly recommended.

## E. Prefabricated Metal Chimney

The chimney can be new or existing, masonry or prefabricated and must meet the following minimum requirements:

- Must be minimum 152 mm inside diameter of high temperature chimney.
- Must use components required by the manufacturer for installation.
- Must maintain clearances required by the manufacturer for installation.
- Refer to manufacturers instructions for installation
- This insert is listed to UL 1482 Standard and is approved for installation into listed factory-built solid fuel fireplaces listed to UL 127 conforming to the following specifications and instructions:
- The original factory-built clearance fireplace chimney cap must be re-installed after installing the approved chimney liner meeting type UL 103 HT requirements (2100°F) per UL 1777.
- The liner must be securely attached to the insert flue collar and the chimney top.
- The air flow of the factory-built solid fuel fireplace system must not be altered. The flue liner top support attachment must not reduce the air flow for the existing air-cooled chimney system.
- No dilution air is allowed to enter the chimney.
  1. Secure the fireplace damper in the open position. If this cannot be accomplished, it will be necessary to remove the damper.
  2. Seal damper area of chimney around chimney connector with a high temperature sealant or seal insert against the face of the fireplace.
  3. Both methods must be removable and replaceable for cleaning and re-installation.

**NOTE: Refer to chimney liner manufacturer for recommendations on supporting the liner. Installation into fireplaces without a permit will void the listing.**

## E. Prefabricated Metal Chimney (Cont'd)

To maintain the functionality of the fireplace's chimney system you may use a Simpson Dura-Vent DuraLiner Slip Hanger, Part # 4671, and attach to the bottom of the fireplace chimney cap to support the liner. You have two options to completing the installation.


### Option one - Not required to use liner cap:

Re-attach the existing top of the chimney cap.

### Option two - Using liner cap:

Re-attach the existing top of the chimney cap and install a new storm collar and a new liner cap.

**WARNING! Risk of Fire --** Follow venting manufacturer's clearances and instructions when installing venting system.



### WARNING

#### Fire Risk

When lining air-cooled factory-built chimneys:.

- Run approved chimney liner
- Re-install original factory built chimney cap ONLY
- DO NOT block cooling air openings in chimney
- Blocking cooling air will overheat the chimney

## F. Installation Into A Masonry Fireplace

The insert must be installed as per the requirements of your local inspection authority. It is recommended to use a full liner as it is the safest installation and provides the most optimum performance. Your retailer should be able to help you decide which system would be the best for your application.

The use of this connection method not only increases the safety of your insert by directing the hot gases up the

flue, but will also help increase the unit's efficiency and decrease creosote deposits in the chimney.

When a connected flue or liner is in use, the insert is able to "breathe" better by allowing a greater draft to be created. This great draft can decrease problems such as difficult start-ups, smoking out the door and dirty glass.

## G. Installation Into A Factory Built Fireplace

1. When installed in a factory built fireplace, a full stainless steel rigid is mandatory, for both safety and performance purposes. When a flue or liner is in use, the insert is able to breathe better by allowing a great draft to be created. The great draft can decrease problems such as difficult start-ups, smoking out the door, and dirty glass.
2. In order to position the flue liner, the existing rain cap must be removed from your chimney system. In most cases the flue damper should also be removed to allow passage of the liner.
3. In most cases opening the existing spark screens fully should give enough room for the insert installation. If it does not, remove and store.
4. If the floor of your fireplace is below the level of the fireplace opening, adjust the inserts leveling bolts to accommodate the difference. When additional shimming is required, use non-combustible masonry or steel shims.
5. Measure approximately the alignment of the flue liner with the position of the smoke outlet hole on the insert to check for possible offset. If an offset is required, use a proper stainless steel unit available with the chimney liner.
6. Once the above items have been checked, slide your insert into position after first positioning the flue liner and offset if required. (Re-install raincap at completion of installation).

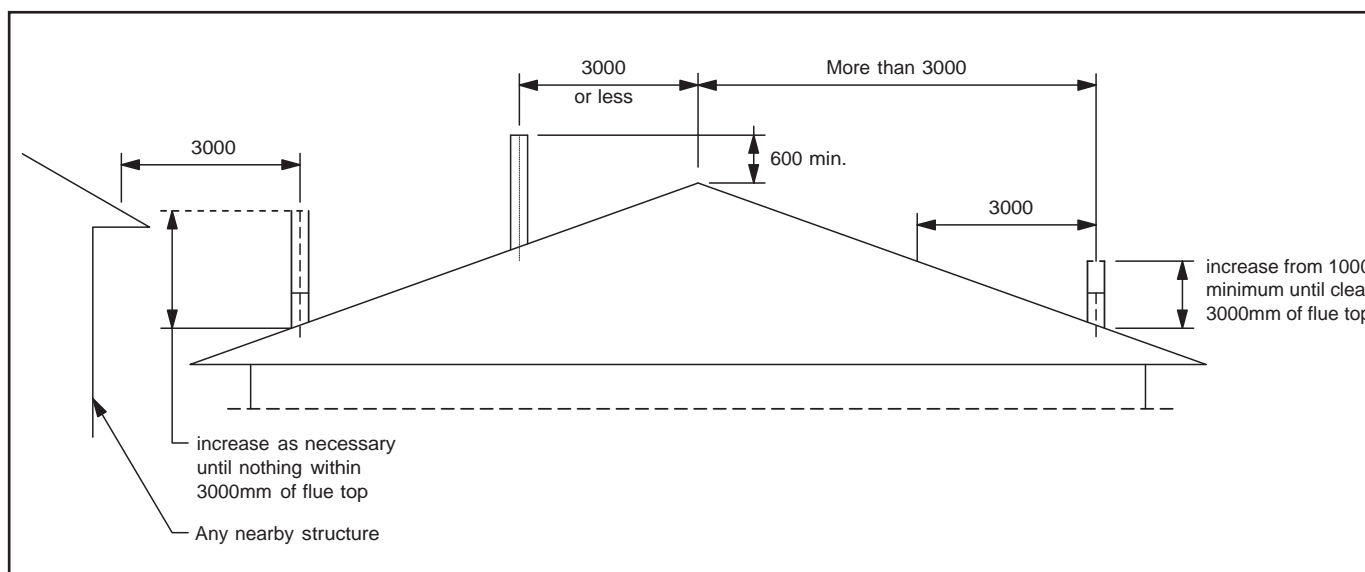
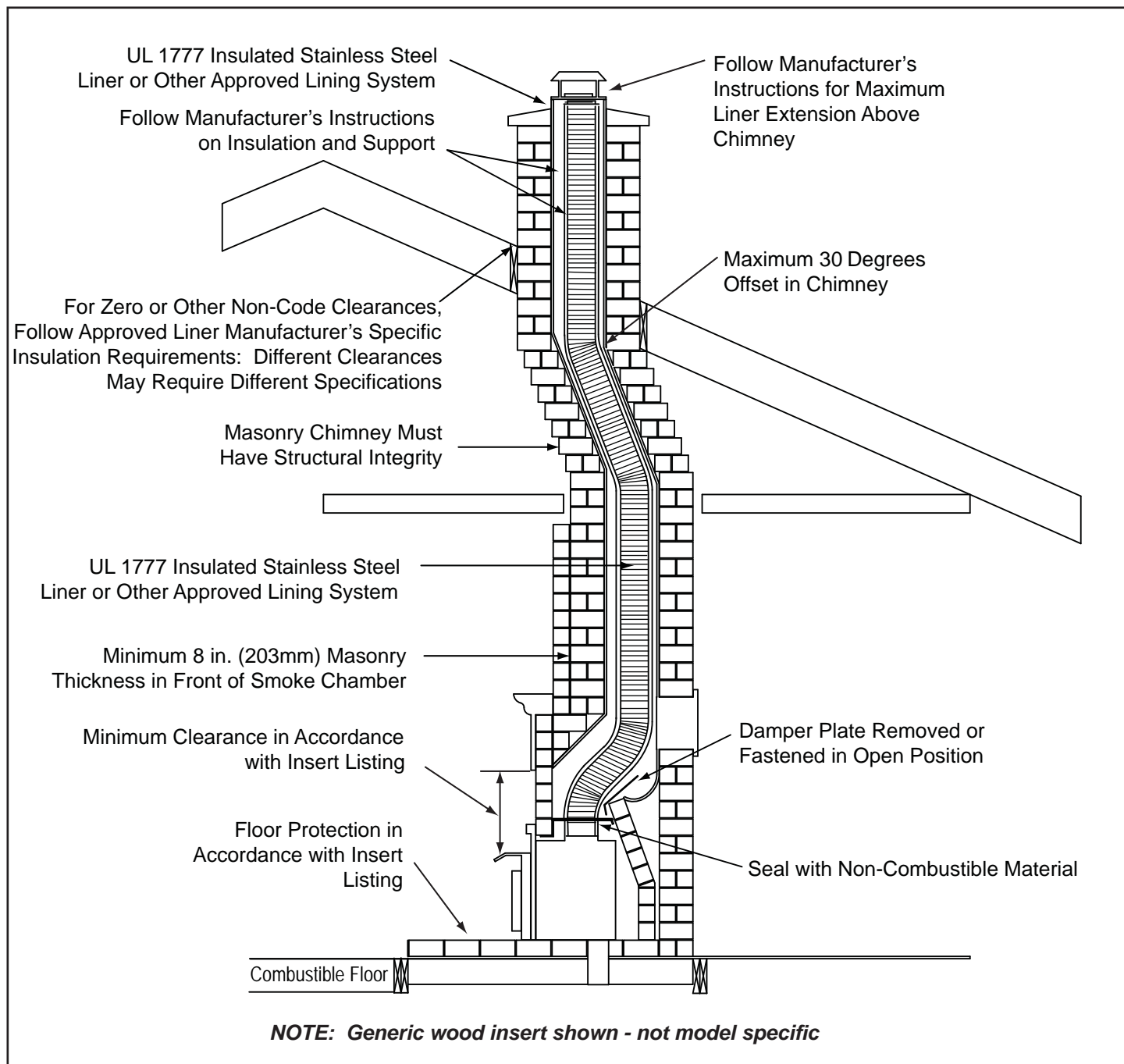


Figure 16.1 Minimum Height of Flue System Exit



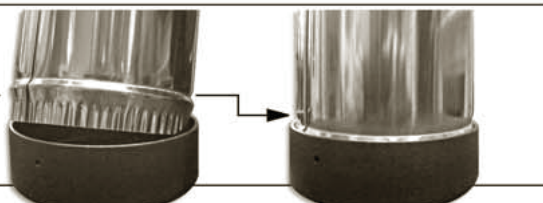
In USA a minimum 5 foot length, 6 inch diameter flue liner is required, however Hearth & Home Technologies ***strongly*** recommends a full reline for optimum performance.



**Figure 17.1 - Masonry Chimney with a Full Liner Kit Type**

**PLEASE NOTE:**

The flue crimp must be cut so the swage (half-moon bulge after the crimp) fits tightly into the spigot.



# 7 Appliance Set-up



Remove the zip tie to the lower access cover. It is to prevent the cover opening during shipping.

## A. Outside Air Kit Installation

A source of air (oxygen) is necessary in order for combustion to take place. Whatever combustion air is consumed by the fire must be replaced. Air is replaced via air leakage around windows and under doors. In homes that have tightly sealed doors and windows, an outside air source is needed. An optional Outside Air Kit is available.

### Items Needed for Installation (not supplied)

- 102 millimeter flex aluminum pipe, or if using alternate material, then it shall be made from durable, non-combustible, heat resistant material up to 177°C. Cut the pipe to the required length for your installation.
- Phillips head screw driver
- Silicone sealant

### Option One - Outside Air Installation Instructions

1. Swing grille down to expose the two screws. **Figure 19.1**
2. Remove the two screws and pull the access assembly away from the appliance.
3. Assemble the outside air cover plate A supplied in component pack.
4. Re-install the access assembly.
5. Remove the outside air cover plate B on outer can and discard. **Figure 19.2**
6. Install optional flex adapter to outer can with the same screws. Do not use plastic wire ties that come with the kit as they will melt. NOTE: You may need to install the flex pipe into the firebox first depending on installation. Attach flex to adapter with at least 2 screws.
7. Ensure existing access hole in fireplace is sufficient to feed the 102 mm flex.
8. After sliding can into fireplace, feed flex into cut opening to obtain outside combustion air.
9. Level outer can and install appliance. See **page 20**.

### Option Two - Outside Air Installation Instructions

1. Follow steps 1-5 in Option One above
2. Ensure existing access hole in fireplace will not be covered by the outer can. Existing outside air intake hole may be under at the rear or side of outer can. Outside air may also enter down existing chimney chase in some situations.
3. Repeat step 9 under Option One with one exception. After installing the appliance in the outer can, seal the fireplace opening and trim package with insulation to prevent air leakage into the room.

## WARNING



### Fire Risk



### Asphyxiation Risk

Do not draw outside combustion air from:

- Wall, floor or ceiling cavity
- Enclosed space such as an attic or garage
- Close proximity to exhaust vents or chimneys

Fumes or odor may result

## WARNING



### Asphyxiation Risk

Outside air inlet must be located to prevent blockage from:

- Leaves, snow, ice or other debris
- Block may cause combustion air starvation

Smoke spillage may set off alarms or irritate sensitive individuals.

## WARNING



### Asphyxiation Risk

Length of outside air supply duct shall NOT exceed the length of the vertical height of the exhaust flue.

- Fire will not burn properly
- Smoke spillage occurs when door is opened due to air starvation.

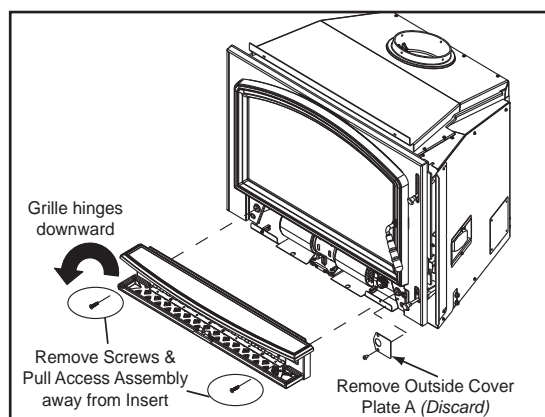


Figure 19.1

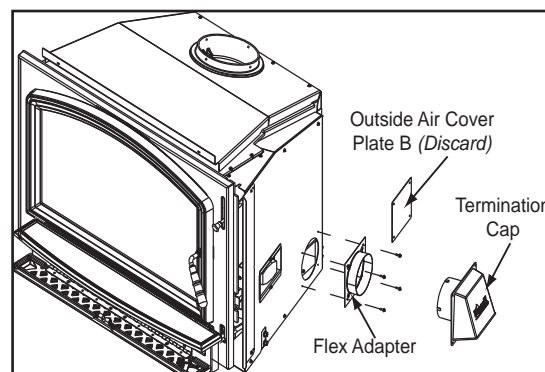


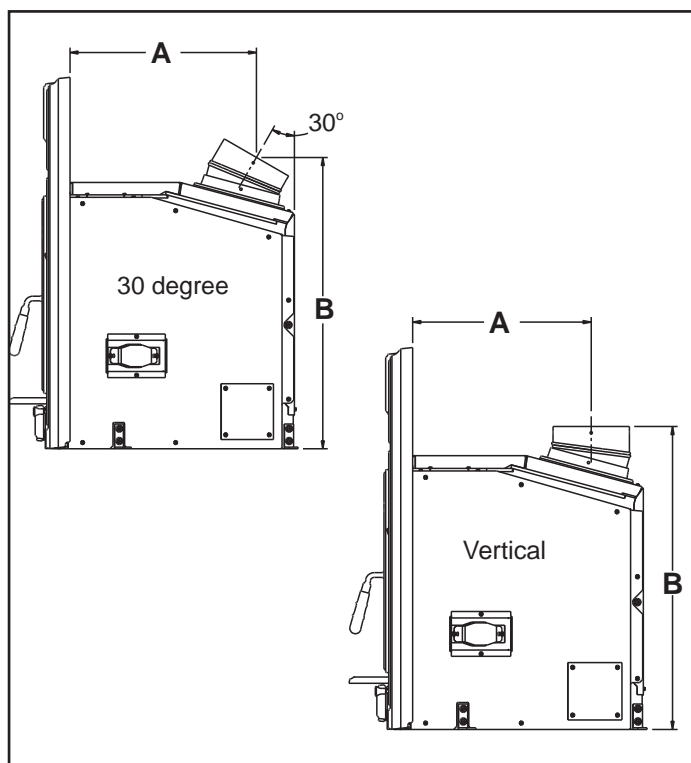
Figure 19.2

## B. Optional Elbow Flue Adapter Installation

Optional use of a Simpson Duravent 15° Universal Elbow Part Number 4615 may be purchased directly through your local Simpson Duravent Pipe Distributor or from your local Quadra-Fire dealer, Part Number DV-4615.

**Figure 20.1** shows a vertical installation and also how to create an optional 30° elbow installation.

The 15° elbow may be secured directly to the flue collar. Follow the pipe manufacturer's instructions for using screws or rivets for attachment. Most pipe manufacturer's 152 mm diameter flue liners may be attached directly to the top of the 15° elbow.

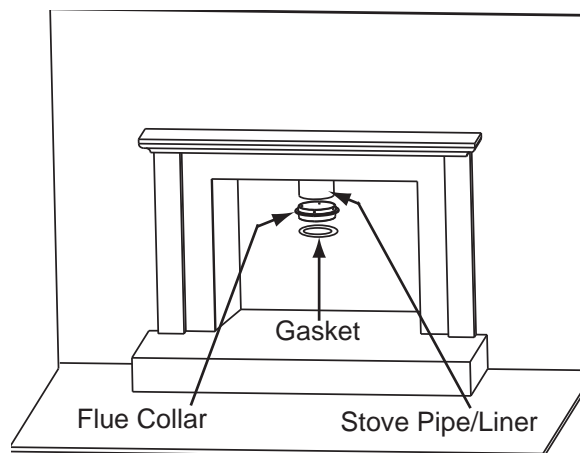


**Figure 20.1**

Flue Adapter	A	B
Vertical	344 mm	532 mm
30 Degree	371 mm	525 mm

## C. Securing Stove Pipe/Liner to Flue Collar

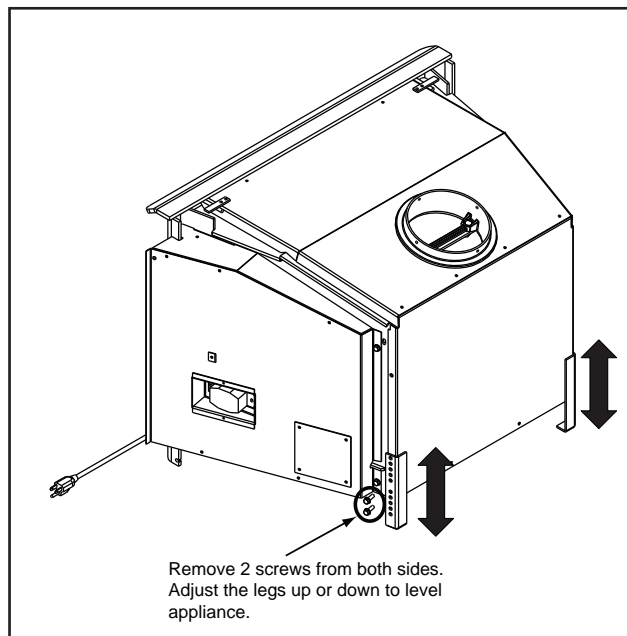
1. There are 4 pre-drilled holes in the flue collar 90° apart. Attach the flue collar to the stove pipe/liner. If the seal is questionable use stove mastic **Figure 20.2**
2. Attach gasket to bottom side of flue collar with a thin coat of silicone.



**Figure 20.2**

## D. Leveling Legs

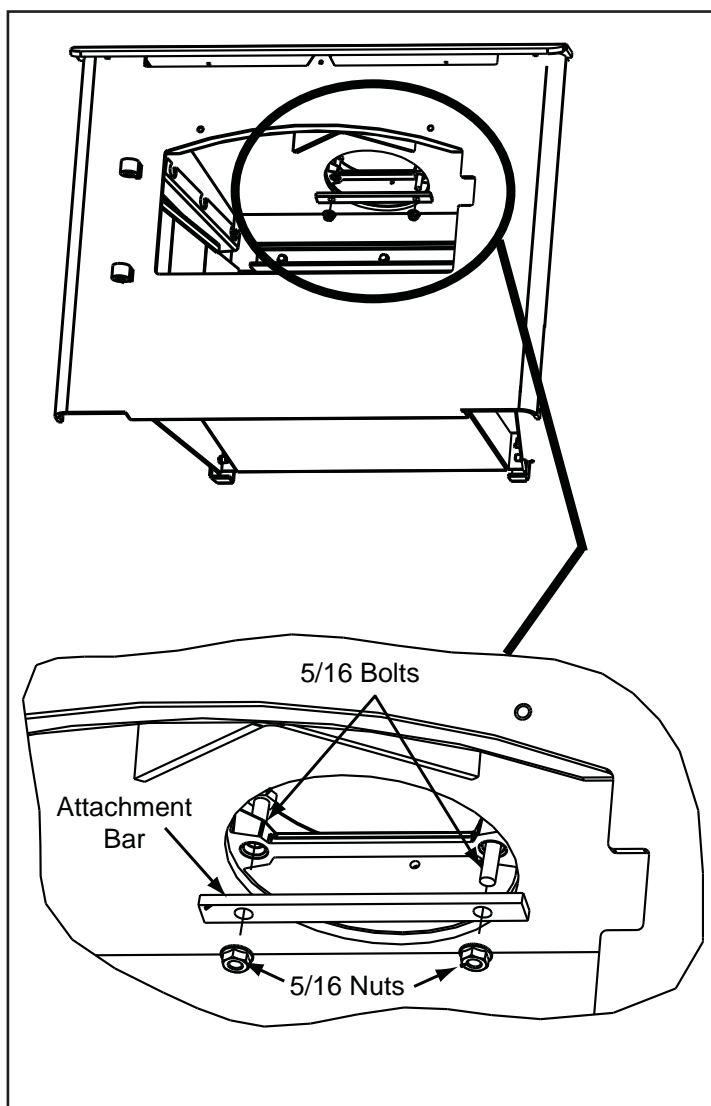
1. Remove the 2 screws already installed on each leg.
2. Move legs to the desired height.
3. Re-install the screws to secure in place.



**Figure 20.3**

## E. Securing Appliance to Stove Pipe/Liner

1. Once you have the appliance in place and secured, remove the tube channel assembly, baffle board and ceramic blanket. Detailed instructions are found on **pages 9 and 10**.
2. Reach up through the flue opening and grab the attachment bar and pull down inside flue opening. **Figure 21.1**
3. Insert the 5/16 bolts inside the cast flue and through the chimney mounting bar. Securely tighten the nuts. Fasteners are provided.
4. Re-install the tube channel assembly, baffle board, ceramic blanket and baffle protection channel.



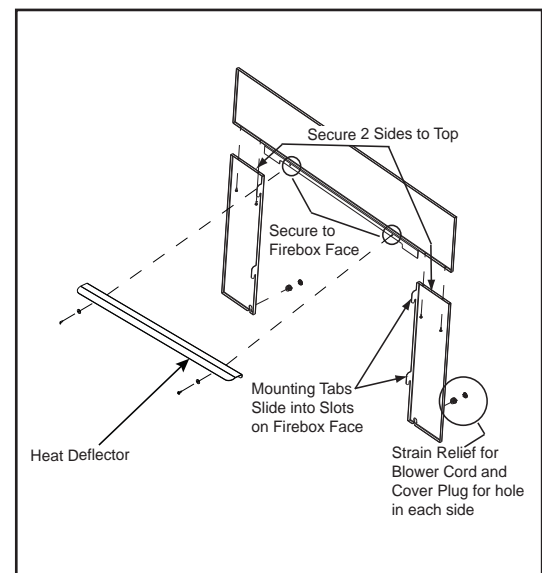
**Figure 21.1**

## F. Standard Surround & Trim Kit Installation

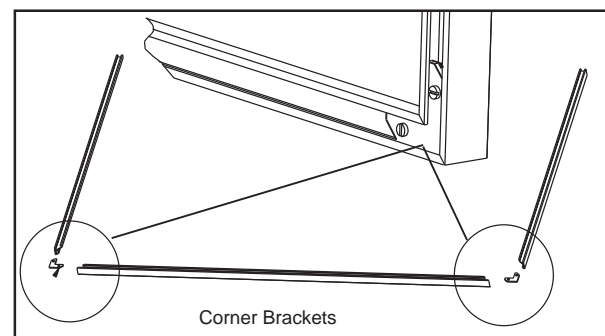
Standard Size: 1092 mm W x 787 mm H

Large Size: 1295 mm W x 864 mm H

1. Lay surround face down on a protected surface to prevent scratching.
2. Using a 102 to 152 mm long Phillips head screw driver attach the side surrounds to the top surround using (2) #8 sheet metal screws on each side provided with the kit. **Figure 21.2.**
3. Lay the trim face down and place the corner brackets into position.
4. Using a standard flat screw driver tighten the corner brackets. **Figure 21.3.**
5. Slide the assembled trim set over the surround set, and then over the appliance matching the mounting tabs on the side pieces with the slots on the appliance. **Figure 21.2.**
6. Align the 2 screws in the top surround piece to the 2 alignment holes on the appliance top. Secure in place. **Figure 21.2.**
7. Use the strain relief in the surround side for blower cord installation and use the cover plug to insert into the hole where the blower cord is not installed.



**Figure 21.2**



**Figure 21.3**

## G. Standard Surround & Cast Trim Kit

Standard Size: 1080 mm. W x 762 mm H

Large Size: 1219 mm W x 864 mm H

**Included in Surround Kit:** (2) side pieces, left and right; (1) top piece; (1) fastener package.

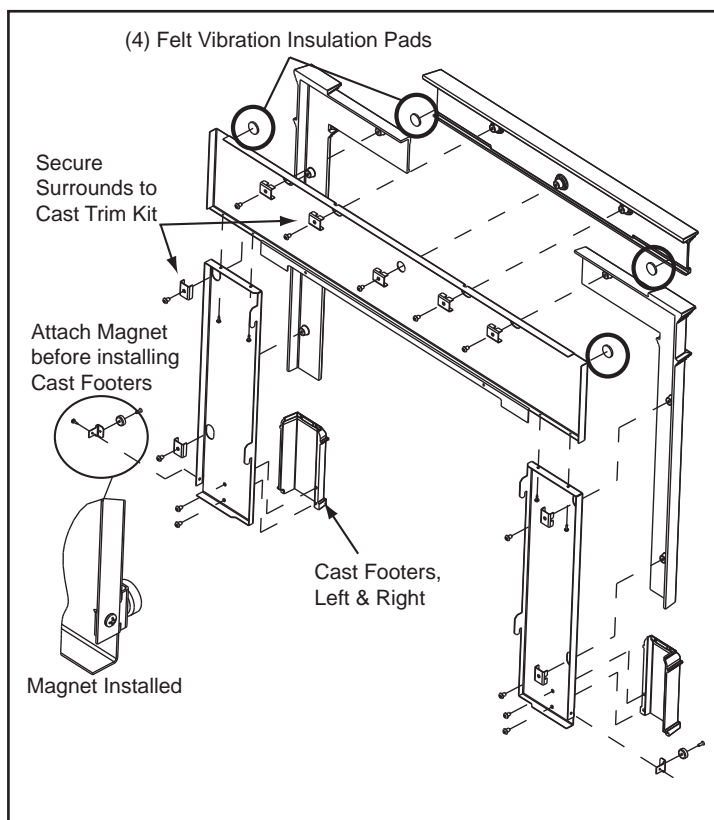
**Included in Cast Trim Kit:** (2) cast trim legs, left and right; (1) cast trim header; (2) cast trim footers, left and right; (1) fastener package.

**Tools Needed:** Powered 102 to 152 millimeters long Phillips head screw driver; pliers

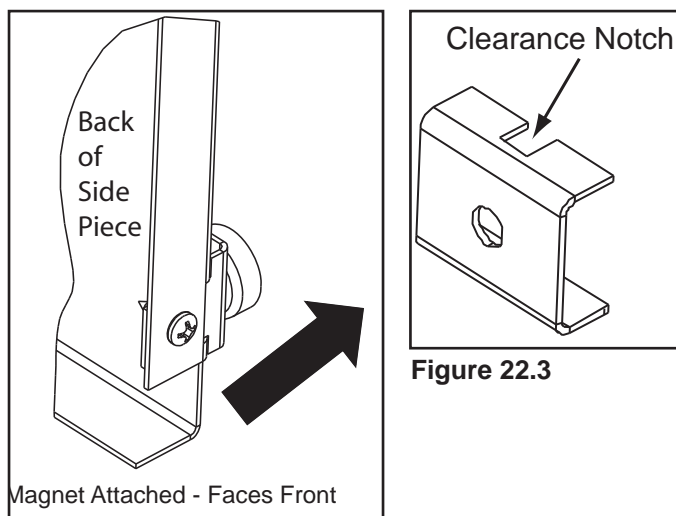
1. Remove contents from box being careful not to scratch or damage the cast trim pieces.
2. Lay surround face down on a protected surface to prevent scratching.
3. Using a 102 to 152 millimeters long Phillips head screw driver attach the side surrounds to the top surround using (2) #8 sheet metal screws on each side provided with the kit
4. Place the peel and stick round felt vibration insulation pads on the front side in each corner of the top metal piece and on the back side in each corner of the top cast piece. **Figure 22.1.**
5. Place the corresponding cast trim pieces (2 cast trim sides and 1 cast trim header) underneath the panel set, also face down. Align the holes in the metal pieces with the 5 bosses on the top cast piece and 2 bosses on each side piece.
6. Secure the magnet to the bracket and attach the magnet and bracket to each metal side piece at the bottom. The magnet

is facing the front. **Figure 22.2.**

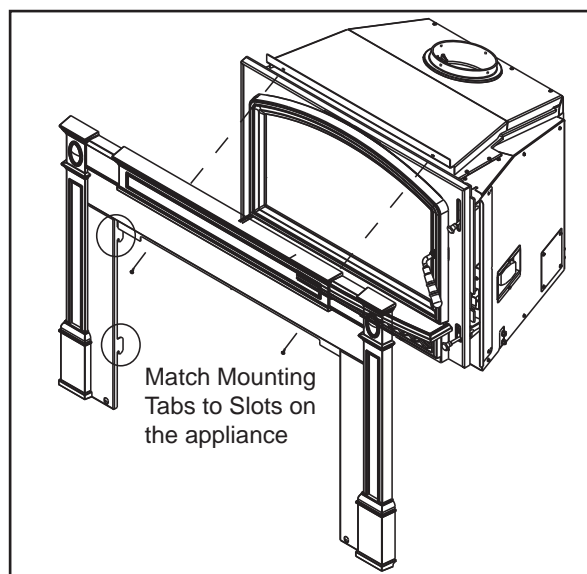
7. Place the cast footers under the metal sides aligning the top and bottom holes in the cast footers and metal sides.
8. The 9 mounting clips are shipped in one long strip. Hand break apart or use pliers.
9. Each clip has a clearance notch to allow room for the cast on the insert. Place the clip so the notch is facing the outer edges of the surrounds. **Figure 22.3.**
10. It is best to install all of the 1/4-20 screws only half way at first to allow for adjustments. After adjustment, tighten the 2 screws in each cast footer first and then work your way around to the rest.
11. Slide surround and trim over the top of the insert into place matching the mounting tabs on the metal sides with the slots on the insert. **Figure 22.4.**
12. Align the 2 screws in the top metal surround piece to the 2 alignment holes on the appliance top. Secure in place. **Figure 22.4.**



**Figure 22.1**



**Figure 22.2**



**Figure 22.4**



## H. All Cast Surround Kit

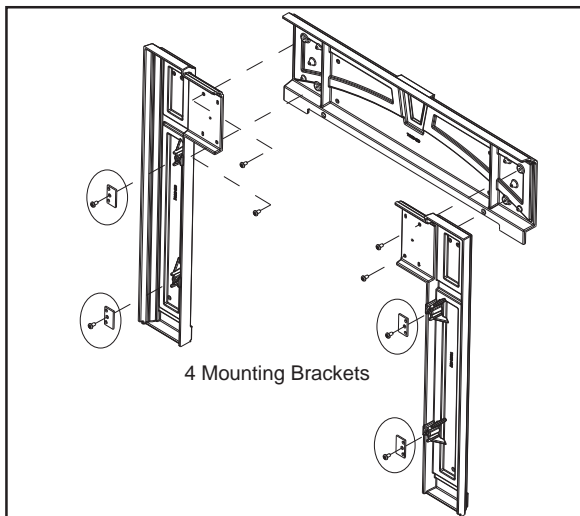
Size: 1416 mm W x 762 mm H

**Included in Surround Kit:** (2) side pieces, left and right; (1) top piece; (1) fastener package.

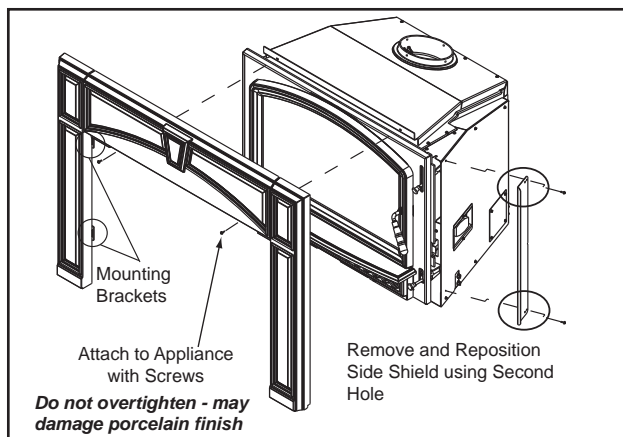
**Tools Needed:** Powered 4 to 6 inches long Phillips head screw driver; pliers

1. Remove contents from box being careful not to scratch or damage the cast trim pieces.
2. Lay surround pieces face down on a protected surface to prevent scratching.
3. Align the bosses on the top piece to the holes on the side pieces. Secure the 3 pieces together.
4. Attach the mounting brackets to the side pieces included with the kit. **Figure 23.1.**
5. In order to get a tight seal for the surround, you must reposition a side shield. There are two holes on the shield and it will come from the factory secured in the first (left) hole. Remove the shield and re-install using the second (right) hole. Figure 43.2.
5. Position the trim on the appliance matching up the mounting brackets with the slots on the appliance.
6. Attach the surround to the appliance 2 screws.

**DO NOT OVERTIGHTEN SCREWS - MAY DAMAGE PROCELAIN FINISH.**



**Figure 23.1**

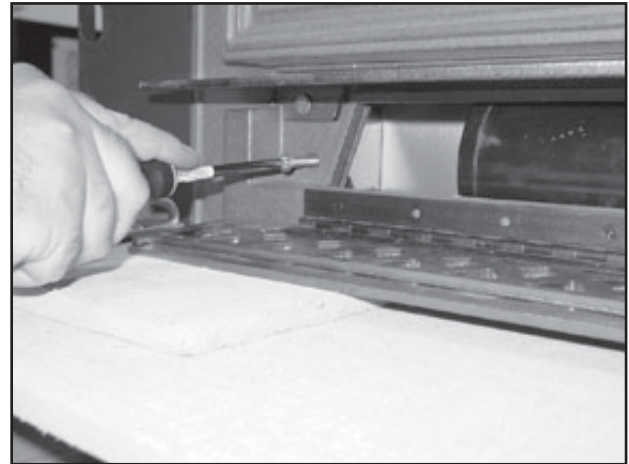


**Figure 23.2**

## I. Blower Cord Installation on Left Side

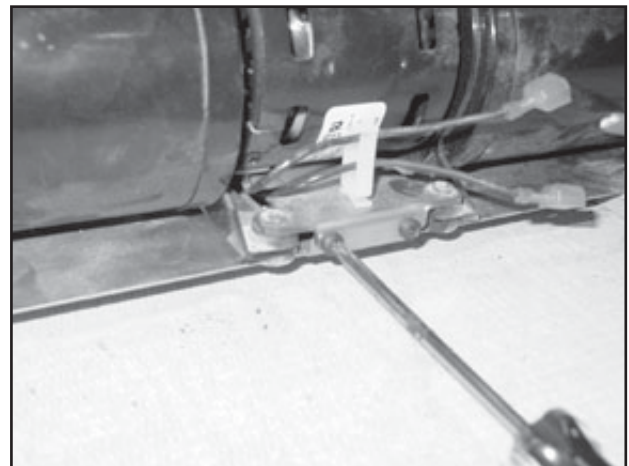
The blower cord is shipped to be installed on the right side of the appliance. You may relocate the cord so it is on the left side.

**Overview:** You are removing the power cord from the blower controls, re-routing the cord to the left side and re-installing the power cord to the blower controls. Refer to the exploded drawing on **page 24.**



**Figure 23.3**

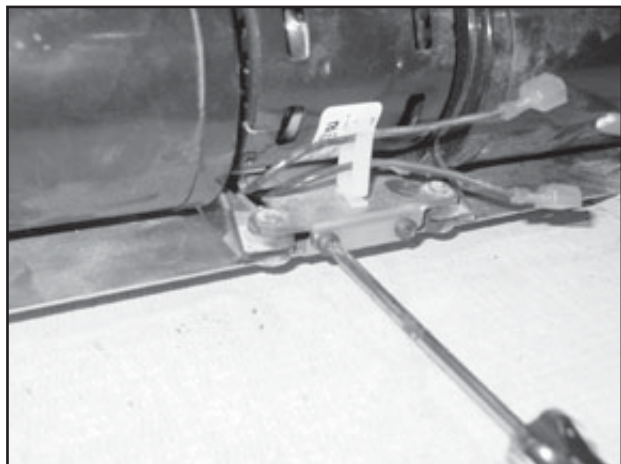
1. Swing the grille down to expose the 2 bolts, one at each end. Remove the bolts and pull blower access assembly away from appliance and store away from your work area.



**Figure 23.4**

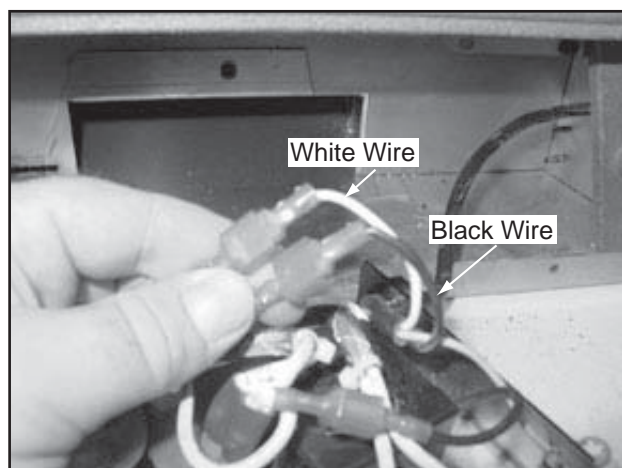
2. Remove the 2 screws in the hold down bracket in front of the blower assembly. You do not need to remove the blower from the hold down bracket.
3. Disconnect the 2 blower wires that are attached to the wire harness and pull the blower assembly away from the appliance.





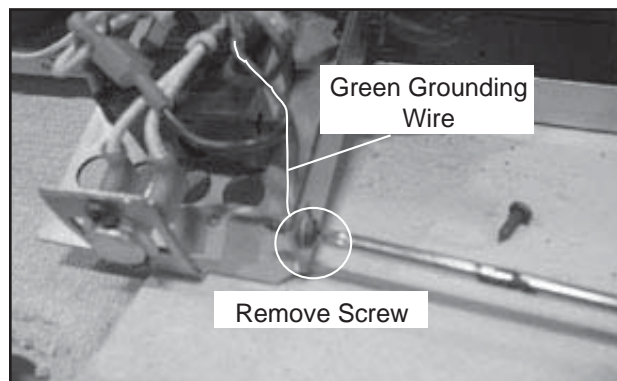
**Figure 24.1**

4. Remove the 2 screws at the top of the control plate. Push the bottom of the control plate to the inside of the appliance and partially remove the control plate assembly.



**Figure 24.2**

5. Locate the black and white wires that are part of the power cord and disconnect those wires from the wire harness.



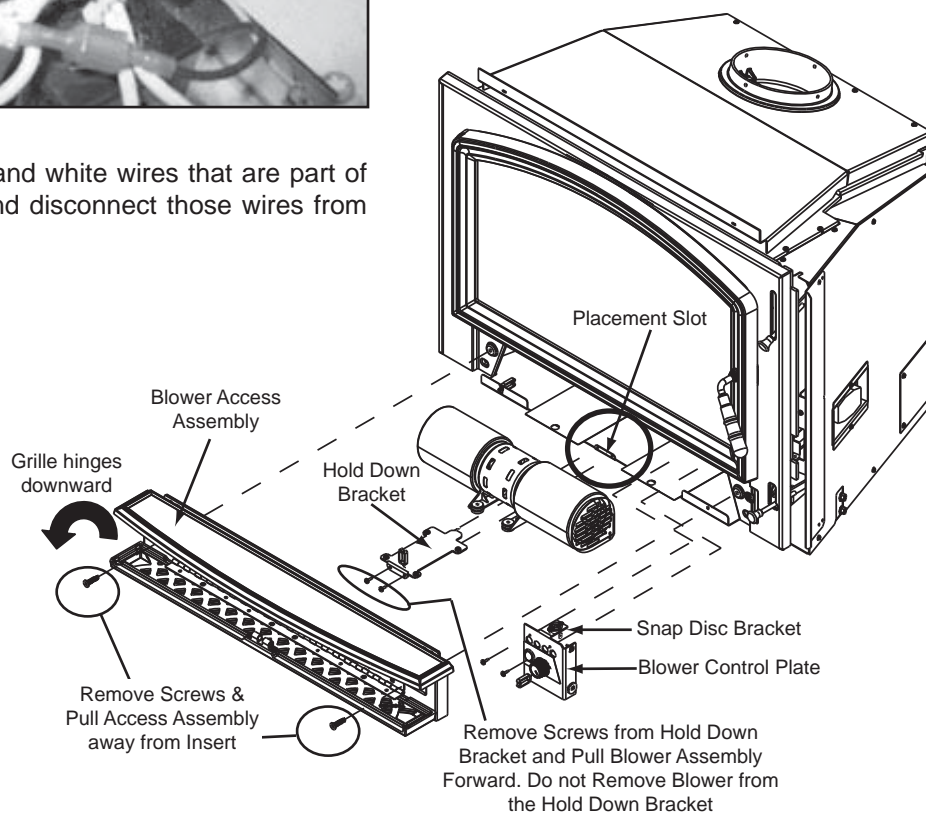
**Figure 24.4**

6. Remove the screw that is holding the ground lug to the control plate.

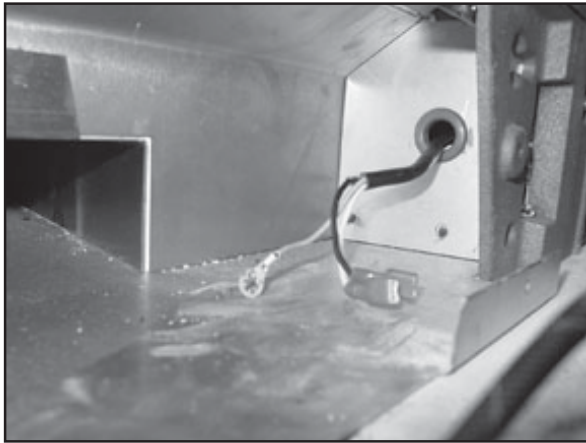


**Figure 44.5**

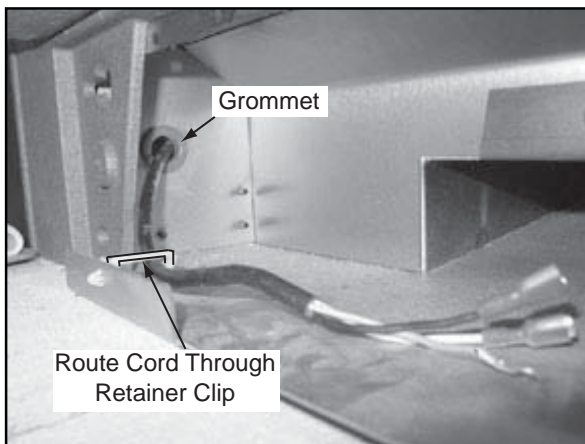
7. Use needle nose pliers to remove the strain relief that protects the power cord from the control plate.



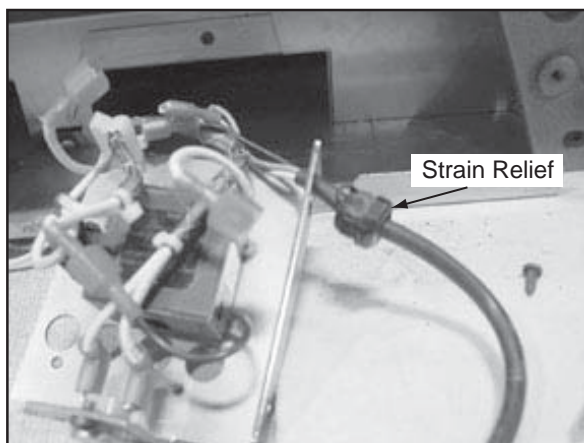
**Figure 24.3**

**Figure 25.1**

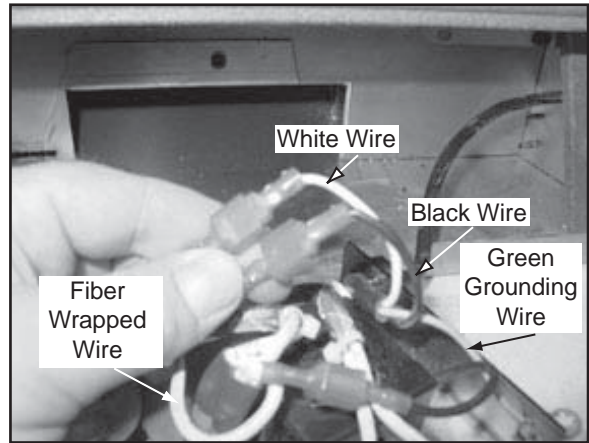
8. The power cord is now disconnected from the blower control plate. Pull the cord out through the right side of the appliance.

**Figure 25.2**

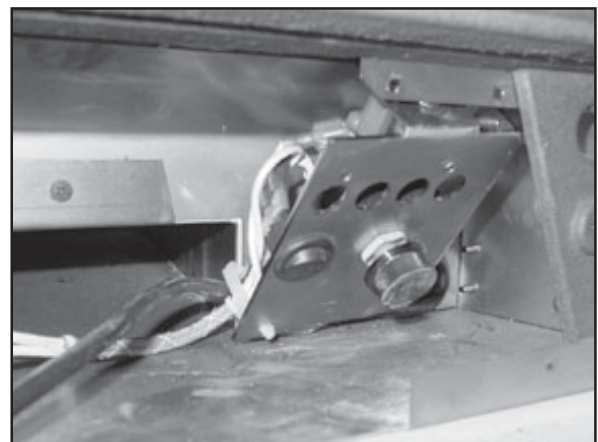
9. Insert the power cord through the left side of the appliance in the hole contains the grommet. Pull the connection ends to the right side. Route the power cord through the retainer clip.

**Figure 25.3**

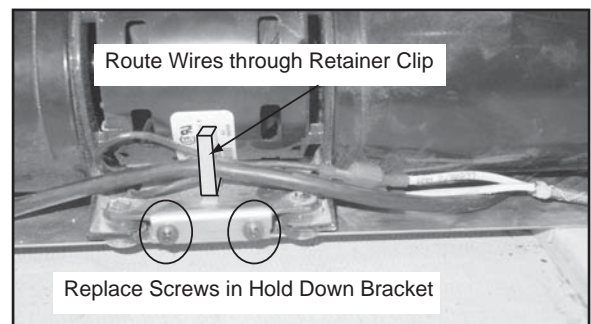
10. Replace the strain relief on the power cord in the same position as before. Locate the indentation on the cord made by the strain relief. Once replaced, push the strain relief back into the control plate.

**Figure 25.4**

11. Connect the white wire on the power cord into the fiber wrapped wire on the wire harness. Connect the black wire on the power cord to the white wire on the rheostat. Re-attach the green ground terminal to the control plate.

**Figure 25.5**

12. Insert the control plate assembly back into the appliance as shown. Tilt the assembly forward and then lift up and rotate the bottom towards the front of the appliance at the same time ensure that the snap disc holder is properly seated. Secure plate to the appliance.

**Figure 25.6**

13. Push in the blower and hold down bracket into appliance matching up the tab on the bracket and placement slot on the appliance. Secure bracket and reconnect blower wires (no polarity to worry about) routing wires through the retainer clip.

**8****Reference Materials**

---

**A. WARNINGS: AS/NZS 2918:2001 General Notes**

**WARNING: THE APPLIANCE AND FLUE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZS 2918 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.**

**WARNING: APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF AS/NZS 4013 WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING 'TESTED TO AS/NZS 4013'.**

**ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4013.**

**CAUTION: MIXING OF APPLIANCE OR FLUE SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.**

**CAUTIONS: CRACKED AND BROKEN COMPONENTS, e.g. GLASS PANELS OR CERAMIC TILES, MAY RENDER THE INSTALLATION UNSAFE.**

**WARNING: ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED AS BREACHING AS/NZS 4013.**

**WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS TO START OR REKINDLE THE FIRE.**

**WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHEN ITS OPERATING.**

**WARNING: DO NOT STORE FUEL WITHIN HEATER INSTALLATION CLEARANCES.**

**WARNING: FOR OPTIMUM PERFORMANCE FUEL MUST BE LOADED SO THE LOGS LAY "FRONT TO REAR" IN PREFERENCE TO LAYING ACROSS THE WIDTH OF THE FIREBOX. SPACES SHOULD BE LEFT BETWEEN THE LOGS TO ENABLE OXYGEN TO GET TO AS MUCH OF THE SURFACE OF THE FUEL AS POSSIBLE.**

**CAUTION: THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS.**

**CAUTION: THE USE OF SOME TYPES OF PRESERVATIVE-TREATED WOOD AS A FUEL CAN BE HAZARDOUS.**



## AUSTRALIAN WARRANTY INFORMATION

Hearth & Home Technologies Inc (HHT)

1445 N. Highway  
Colville, WA 99114  
(509-684-3745)  
www.quadrafire.com

HHT extends the following manufacturer's warranty for HHT gas, wood, pellet, coal and electric hearth appliances that are purchased from an HHT authorized dealer.

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 this manufacturer's warranty 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 coverage begins on the date of original purchase. In the case of new home construction, coverage under this manufacturer's warranty 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. The warranty period for this manufacturer's warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date. The manufacturer's 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, pellet and coal appliances. These time periods reflect the minimum expected useful lives of the designated components under normal operating conditions.

Warranty Period		Hearth and Home Technologies Manufactured Appliances and Venting							Components Covered
Parts	Labor	Gas	Wood	Pellet	EPA Wood	Coal	Electric	Venting	
1 Year		X	X	X	X	X	X	X	All parts and material except as covered by Conditions, Exclusions, and Limitations listed
2 years				X	X	X			Igniters, electronic components, and glass
		X	X	X	X	X			Factory-installed blowers
			X						Molded refractory panels
3 years				X					Firepots and Burnpots
5 years	1 year			X	X				Castings and baffles
7 years	3 years		X	X	X				Manifold tubes, HHT chimney and termination
10 years	1 year	X							Burners, logs and refractory
Limited Lifetime	3 years	X	X	X	X	X			Firebox and heat exchanger
90 Days		X	X	X	X	X	X	X	All replacement parts beyond warranty period



**OTHER RIGHTS**

The HHT manufacturer's warranty is in addition to other rights and remedies that you may have under Australian law.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

**WARRANTY CONDITIONS AND EXCLUSIONS:**

- The HHT manufacturer's 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.

**WARRANTY EXCLUSIONS:**

This HHT manufacturer's 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 enamelled 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. These parts include: paint, wood, pellet and coal gaskets, firebricks, grates, flame guides, light bulbs, batteries and the discoloration of glass.
- Minor 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 operating 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 components 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.
- Removal, installation, reinstallation, set up or any other costs associated with a claim including travel and shipping charges for parts
- 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 appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

**This warranty is void if:**

- The appliance has been over-fired or 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, rust coloured 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.

**HOW TO CLAIM**

- To make a claim against this warranty, contact your local distributor during regular business hours. See addresses below for a dealer nearest you. (Vic) Pty Ltd ACN 005 872 159 (**Jetmaster**).
- 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 Jetmaster in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this manufacturers' warranty.
- HHT and Jetmaster will assess your claim. HHT or Jetmaster may need to inspect the product as part of the assessment of your claim. If the product requires inspection, HHT or Jetmaster will discuss with you the best way for this to occur.
- To make a claim under this manufacturer's warranty, you must be able to prove when you purchased the product. The easiest way to do this is through your original proof of purchase, for example your invoice or receipt. However, if you do not have your original proof of purchase HHT or Jetmaster may accept other evidence of the date of purchase.

**Local Distributors:**

<b>Melbourne</b>	Jetmaster	44 Swan Street	Richmond 3121	(03) 9429-5573
<b>Perth</b>	Fireplace Corner	277 Lord Street	East Perth 6000	(08) 9228-2600
<b>Sydney</b>	Jetmaster	10 Martin Avenue	Arncliffe 2205	(02) 9597-7222

**QUADRA-FIRE®**

## Service Parts

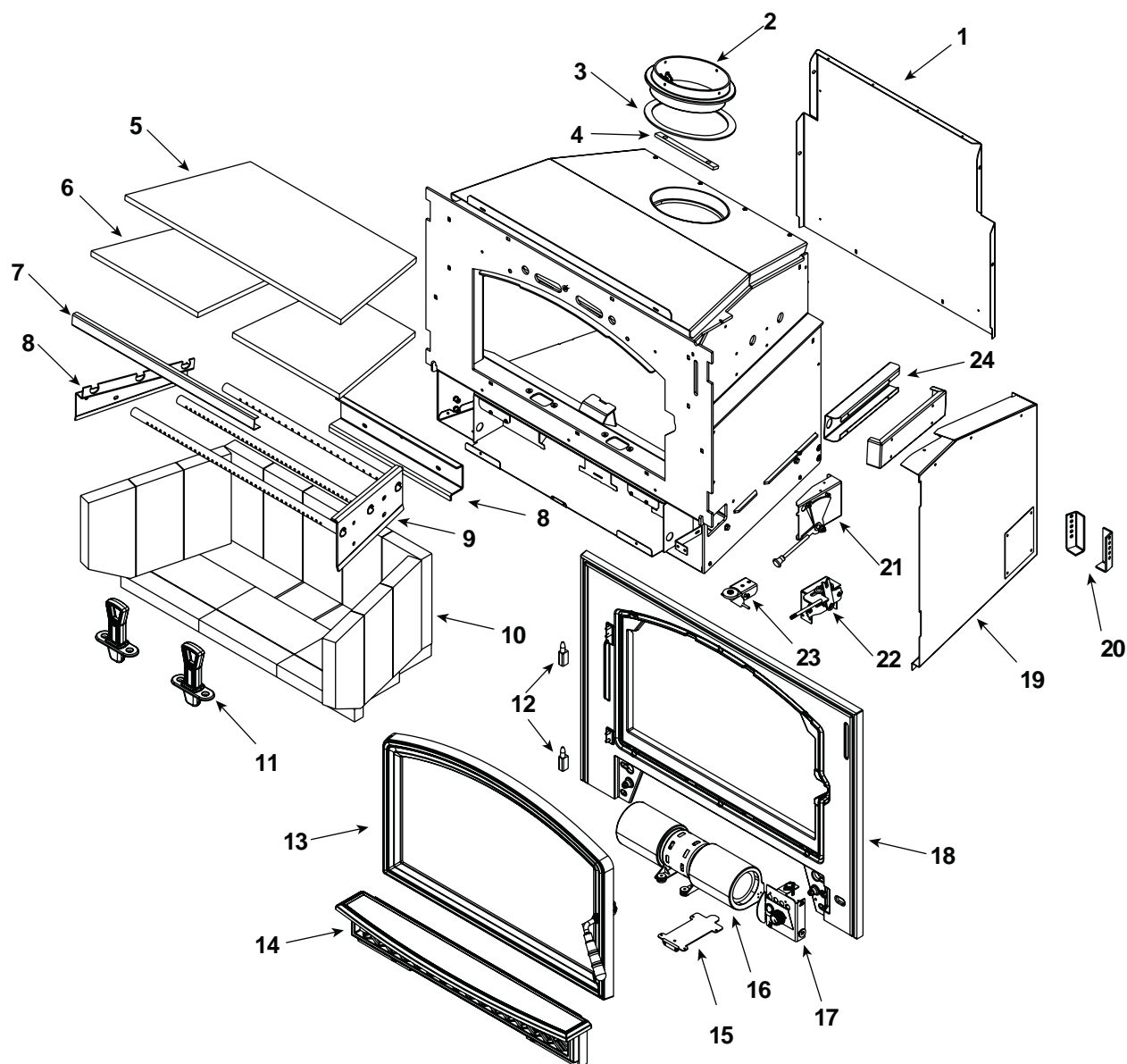
**GRAND-MBK-AU**

Cast Iron Wood Insert - Large

Beginning Manufacturing Date: April 2013

Ending Manufacturing Date: Active

Grand-MBK-AU



Part number list on following page.



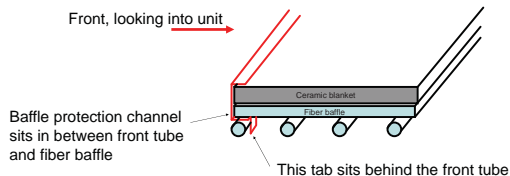
IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.


**Stocked  
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Convection Back		SRV7075-110	
	Screw, sheet Metal #8 x 1/2 S Grip	Pkg of 40	12460/40	Y
	Screw, Hex Washer Head Ms 1/4-20 x 3/4	Pkg of 25	220-0080/25	Y
2	Flue Attach Ring		SRV7044-154	
	Bolt 5/16-18 x 1 Hex Head	Pkg of 12	27887/12	Y
	Nut, flanged, 5/16 -18, black	Pkg of 10	A-3483-1/10	Y
3	Gasket, Flue Collar		SRV7044-194	
4	Chimney Attach Ring		SRV7044-181	
5	Ceramic Fiber Blanket	1/2" Thick	SRV7075-187	Y
6	Baffle Board		SRV7075-186	Y

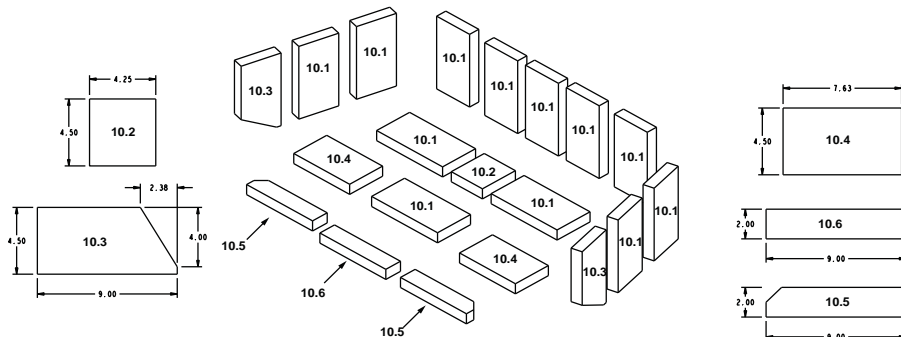
### #7 Baffle Protection Channel

Side view



7	Baffle Protection Channel		SRV7046-165	Y
8	Tube Support Rack		SRV7075-193	Y
	Screw, Hex Washer Head Ms 1/4-20 x 3/4	Pkg of 25	220-0080/25	Y
9	Tube Channel Assembly		SRV7075-004	Y
	Screw, Hex Washer Head Ms 1/4-20 x 3/4	Pkg of 25	220-0080/25	Y
	Nut, Ser Flange samll 1/4-20	Pkg of 24	226-0130/24	Y

### #10 Brick Assembly



10	Brick Assembly		SRV7075-021	
10.1	Brick 1 (9 x 4.50 x 1.25 ), Pumice	Qty 12 req		
10.2	Brick 2 (4.5 x 4.25 x 1.25)	Qty 1 req		
10.3	Brick 3 (9.00 x 4.50 x 1.25) w/Angle	Qty 2 req		
10.4	Brick 4 (7.63 x 4.50 x 1.25 )	Qty 2 req		
10.5	Brick 5 ( 9.00 x 2.00 x 1.25) w/Angle	Qty 2 req		
10.6	Brick 6 ( 9.00 x 2.00 x 1.25)	Qty 1 req		
	Brick, Uncut	Single	832-0550	
	Brick, Uncut	Set of 6	832-3040	

Additional service part numbers appear on following page.



## Service Parts

**GRAND-MBK-AU**

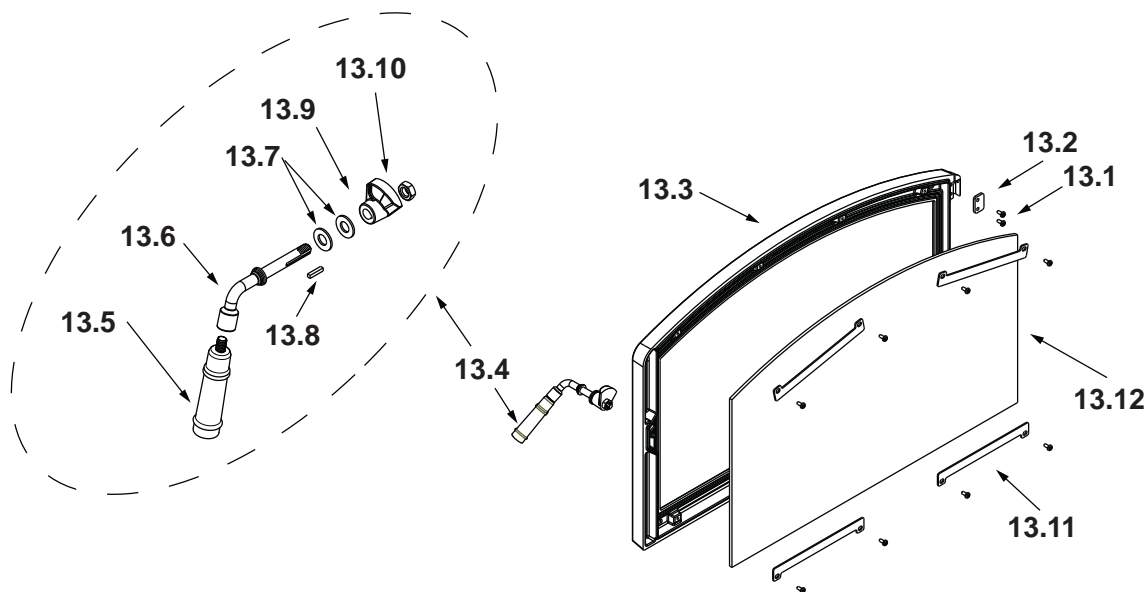
Beginning Manufacturing Date: April 2013

Ending Manufacturing Date: 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**

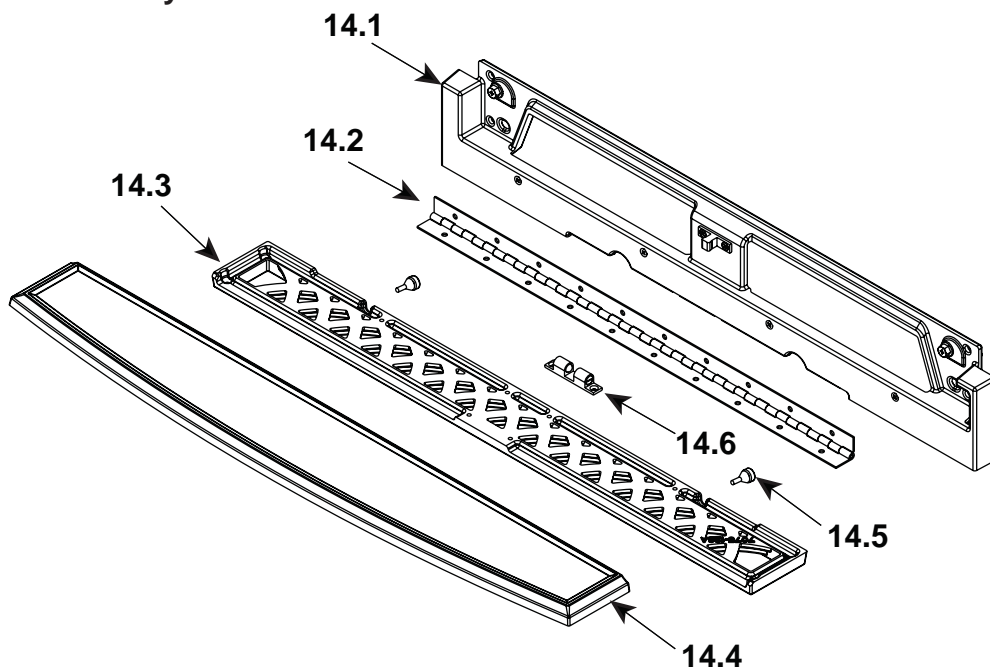
ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
11	Andiron	2 Sets	SRV7061-020	
	Screw Fh Tx 1/4-20 x 1		7000-622/10	Y
12	Hinge, Male		450-2810	
	Screw 10-32 x 0.75 Hex Washer Head Ser Flg		7000-618/4	Y

**#13 Door Assembly**

<b>13</b>	Door Assembly		SRV7063-009MBK	
13.1	Screw, Pan Head Phillips, 8-32 x 3/8	Pkg of 40	225-0500/40	Y
13.2	Hinge Retainer		SRV7063-160	
13.3	Door		SRV7075-123MBK	
13.4	Door Handle Assembly		SRV7063-014	Y
13.5	Fiber Handle		SRV7060-212	Y
13.6	Door Handle		SRV7063-137	
13.7	Washer, Sae 3/8 ( 3 ea)	Pkg of 3	832-0990	Y
13.8	Key, cam Latch		430-1151	
13.9	Cam Latch		430-1141	
13.10	Nut, Side Lock Jam	Pkg of 24	226-0100/24	Y
13.11	Glass Retainer Lower	Set of 4	SRV7063-166	
	Screw, Pan Head Phillips, 8-32 x 3/8	Pkg of 40	225-0500/40	Y
13.12	Glass Assembly		SRV7063-011	Y

Additional service part numbers appear on following page.

**#14 Access Assembly**



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	
<b>14</b>	Access Assembly	Matte Black	SRV7075-010MBK	
	Bolt, Hwh Ser Flg 1/4-20 x 3/4	Pkg of 25	228-0120/25	Y
	Washer, Bonded 5/16 x 3/4	Pkg of 10	229-0910/10	Y
14.1	Front, Lower		SRV7063-125MBK	
	Bolt, Hwh Ser Flg 1/4-20 x 3/4	Pkg of 25	228-0120/25	Y
	Washer, Bonded 5/16 x 3/4	Pkg of 10	229-0910/10	Y
14.2	Hinge, Continuous		7000-510	
	Screw, Flat Head Phillips 8-32 x 1/2	Pkg of 12	220-0490/12	Y
14.3	Access	Matte Black	SRV7075-127MBK	
	Screw, Flat Head Phillips 8-32 x 1/2	Pkg of 12	220-0490/12	Y
14.4	Ash Lip	Matte Black	SRV7075-135MBK	
	Bolt, Hwh Ser Flg 1/4-20 x 3/4	Pkg of 25	228-0120/25	Y
	Washer, Bonded 5/16 x 3/4	Pkg of 10	229-0910/10	Y
14.5	Bumper, Rubber	Pkg of 12	SRV224-0340/12	Y
14.6	Twin Ball Catch/ Striker		SRV7000-532	Y
	Screw, Flat Head Phillips 8-32 x 1/2	Pkg of 12	220-0490/12	Y
15	Blower Retainer		SRV7063-139	
	Screw, Pan Head phillips 8-32 x 3/8	Pkg of 40	225-0500/40	Y
16	Blower Assembly, 240V		SRV7000-629	Y

Additional service part numbers appear on following page.

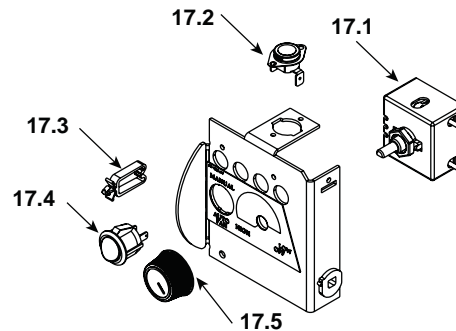
**QUADRA-FIRE®**

Service Parts

**GRAND-MBK-AU**

Beginning Manufacturing Date: April 2013

Ending Manufacturing Date: Active

**#17 Control Assembly**

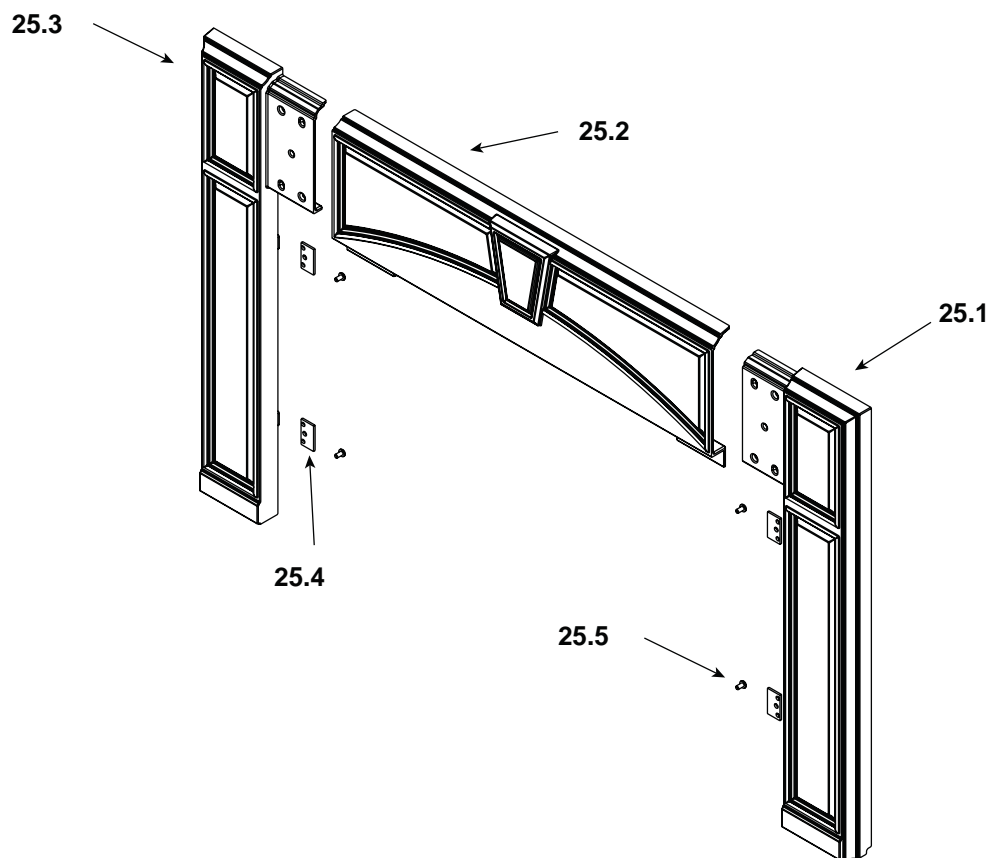
IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor. **Hearth and Home Technologies does not sell directly to consumers.** Provide model number and serial number when requesting service parts from your dealer or distributor.

**Stocked  
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
17	Control Panel Assembly		SRV7063-020	
17.1	Rheostat, Speed Control		842-0370	Y
17.2	Disc, Snap, Convection Blower		SRV230-0470	Y
17.3	Wire Clip	Pkg of 10	7000-400/10	Y
17.4	Rocker Switch, round		SRV7000-515	Y
17.5	Knob, Speed Control		200-2041	Y
18	Upper Front	Matte Black	SRV7075-121MBK	
	Door Rope, Knit, 7/16", Black, also used to seal front face to firebox		844-6730	Y
	Screw, Fn Tx 1/4 x-20 x 1	Pkg of 10	7000-622/10	Y
19	Combustion Cover Assembly		SRV7075-196	
	Screw, Sheet Metal #8 x 1/2 S-Grip	Pkg of 40	12460/40	Y
20	Leg Extension	Left or Right	SRV7046-170	
21	Burn Rate Control Assembly		SRV7075-005	Y
	Screw Hex Washer Head Ms 1/4-20 X 3/4	Pkg of 25	220-0080/25	Y
	Screw, Sheet Metal #8 x 1/2 S-Grip	Pkg of 40	12460/40	Y
22	Timer Control Assembly		SRV7075-007	Y
	Screw. Pan Head Phillips 8-32 x 3/8	Pkg of 40	225-0500/40	Y
	Timer (Only) Replacement		SRV480-1940	Y
23	Timer Door Assembly		SRV7075-054	
	Screw Hex Washer Head Ms 1/4-20 X 3/4	Pkg of 25	220-0080/25	Y
24	Tube Channel Base Assembly w/Cover		SRV7075-192	
	Screw Hex Washer Head Ms 1/4-20 X 3/4	Pkg of 25	220-0080/25	Y
	Screw, Sheet Metal #8 x 1/2 S-Grip	Pkg of 40	12460/40	Y
	15 Degree Adapter		DV-6DLR-E15ADSS	
	Component Pack		SRV7075-032	Y
	Gasket, Air Inlet Damper		7033-282	Y
	Glass Tape, 3/4 x 5'	6 Ft	832-0460	Y
	Knob	Pkg of 2	32284/2	Y
	Outside Air Cover Plate		SRV7044-217	
	Power Cord		SRV7000-730	

Additional service part numbers appear on following page.

**#25 Cast Surround Assemblies**



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.

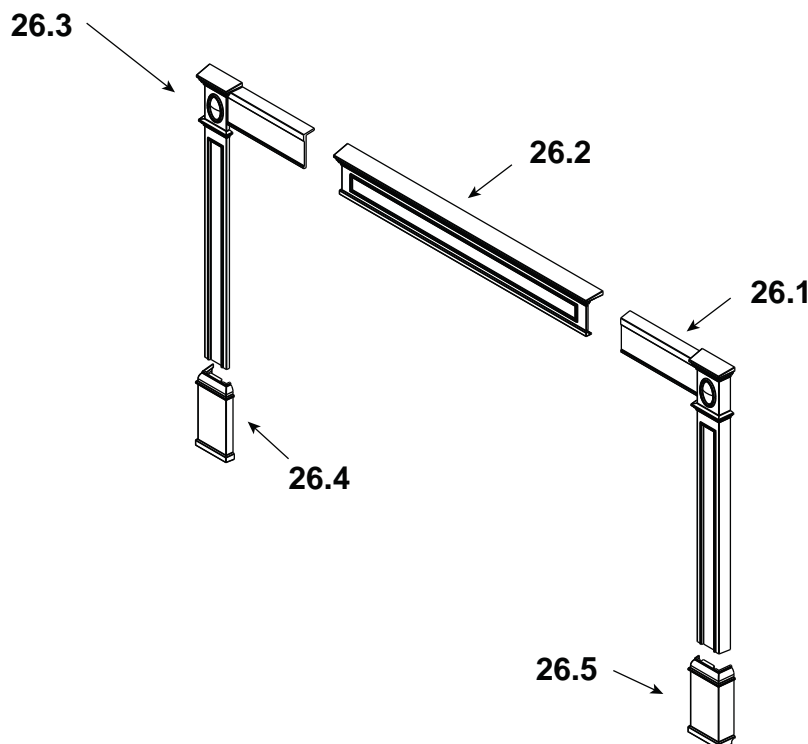


**Stocked  
at Depot**

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
25	Surrounds, Cast	Matte Black	SP-GRAND-CC-MBK	
25.1	Surround Right	Matte Black	SRV7075-131MBK	
25.2	Surround Top	Matte Black	SRV7075-129MBK	
25.3	Surround Left	Matte Black	SRV7075-133MBK	
25.4	Surround Retainer	Qty 4 req	SRV7063-136	
25.5	1/4-20 x 50 Phillips Pan Head Screw	Pkg of 12	32281/12	Y
	Component Pack		SRV7063-054	

Additional service part numbers appear on following page.

## #26 Metal Surround Assemblies



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	
26.1	Trim Leg Right	Matte Black	414-7130MBK	
26.2	Trim Header	Matte Black	414-7110MBK	
26.3	Trim Leg Left	Matte Black	414-7120MBK	
26.4	Trim Footer Left	Matte Black	414-7090MBK	
26.5	Trim Footer Right	Matte Black	414-7100MBK	
	Component Pack		SRV7063-055	
	Surrounds, Metal	Standard	SP-GRAND-STD	
		Large	SP-GRAND-LRG	
	Trim Kit	Black	TRIMKIT-4331-BK	
		Gold	TRIMKIT-4331-GD	
		Nickel	TRIMKIT-4331-NL	
	Trim Kit	Black	TRIMKIT-5134-BK	
		Gold	TRIMKIT-5134-GD	
		Nickel	TRIMKIT-5134-NL	
	Component Pack		SRV7063-056	
	Mantel Deflector		SRV7075-512	







NOTHING BURNS LIKE A QUAD

CONTACT INFORMATION:

Please contact your Quadra-Fire dealer with any questions or concerns.  
For the number of your nearest Quadra-Fire dealer  
log onto [www.quadrafire.com](http://www.quadrafire.com)

**CAUTION**



**DO NOT DISCARD THIS MANUAL**

Important operating and maintenance instructions included.

• Read, understand and follow these instructions for safe installation and operation.

• Leave this manual with party responsible for use and operation.

**DO NOT  
DISCARD**

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

Date purchased/installed: \_\_\_\_\_

Serial Number: \_\_\_\_\_ Location on appliance: \_\_\_\_\_

Dealership purchased from: \_\_\_\_\_ Dealer phone: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_