WARNING

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

• Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
• Do not overfire - If appliance or chimney connector glows, you are over firing. Over firing will void your warranty.
• Comply with all minimum clearances to combustibles as specified.
Failure to comply may cause house fire.

HOT SURFACES!
Glass and other surfaces are hot during operation AND cool down.

Hot glass will cause burns.
• Do not touch glass until it is cooled
• NEVER allow children to touch glass
• Keep children away
• CAREFULLY SUPERVISE children in same room as fireplace.
• Alert children and adults to hazards of high temperatures
• High temperatures may ignite clothing or other flammable materials.
• Keep clothing, furniture, draperies and other flammable materials away.

CAUTION

Check building codes prior to installation.
• Installation MUST comply with local, regional, state and national codes and regulations.
• Consult local building, fire officials or authorities having jurisdiction about restrictions, installation inspection, and permits.

NOTE: To obtain a French translation of this manual, please contact your dealer or visit www.quadrafire.com.

REMARQUE : Pour obtenir une traduction française de ce manuel, s’il vous plaît contacter votre revendeur ou visitez www.quadrafire.com.
TABLE OF CONTENTS

1 Important Safety Information
   A. Appliance Certification .......................... 3
   B. Appliance Emissions Certification .............. 3
   C. BTU & Efficiency Specifications. ............... 3
   D. Glass Specifications. ........................... 4
   E. Electrical Rating (on high) ...................... 4
   F. Mobile Home Approved .......................... 4
   G. Non-Combustible Materials ..................... 4
   H. Combustible Materials .......................... 4
   I. Sleeping Room .................................. 4
   J. Stove Composition ................................ 4
   K. California - Prop65 ............................ 4

2 Getting Started
   A. Design, Installation & Location Considerations .. 5
   B. Thermostat Wall Control Location .............. 6
   C. Tools And Supplies Needed ..................... 6
   D. Inspect Appliance and Components .............. 6
   E. Install Checklist ............................... 7

3 Dimensions and Clearances
   A. Appliance Dimensions ............................. 8
   B. Clearances to Combustibles (UL and ULC) ...... 12
   C. Hearth Pad Requirements ....................... 13
   D. Alcove ......................................... 14

4 Vent Information
   A. Venting Termination Minimum Requirements .... 15
   B. Avoiding Smoke and Odors ..................... 16
   C. Negative Pressure .............................. 17
   D. Draft17
   E. Minimum Vacuum Requirements ................. 17
   ➡ F. Chimney and Exhaust Connection ............... 17
   G. Equivalent Feet of Pipe ....................... 18
   H. Pipe Selection Chart .......................... 18

5 Venting Systems
   A. Through The Wall ................................ 19
   B. Vertical into Existing Class A Chimney ....... 20
   C. Vertical - Interior - Typical Installation ...... 20
   D. Through The Wall & Vertical - External ...... 20
   E. Masonry ......................................... 21
   F. Alternate Masonry ............................... 21

6 Appliance Set-Up
   A. Outside Air Kit .................................. 22
   B. Top Vent Adapter Installation .................. 23
   C. Rear Vent Adapter Installations ............... 23
   D. Thermostat Installation ......................... 24

7 Mobile Home Installation ............................ 25

8 Reference Materials
   A. Service & Maintenance Log ...................... 26
   B. Accessory List .................................. 30

➡ = Contains updated information

Quadra-Fire is a registered trademark of Hearth & Home Technologies.
1 Important Safety Information

A. Appliance Certification

<table>
<thead>
<tr>
<th>Model</th>
<th>CAB50-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory</td>
<td>Intertek</td>
</tr>
<tr>
<td>Report No.</td>
<td>100358108PRT-005</td>
</tr>
<tr>
<td>Type</td>
<td>Solid Fuel Room Appliance/Pellet Fuel Burning Type</td>
</tr>
<tr>
<td>Standard</td>
<td>ASTM E1509-04 and ULC S627-00 Room Appliance Pellet Fuel Burning type and (UM) 84-HUD, Mobile Home Approved.</td>
</tr>
</tbody>
</table>

B. Appliance Emissions Certification

<table>
<thead>
<tr>
<th>Model</th>
<th>CAB50-C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory</td>
<td>OMNI Test Laboratories, Inc.</td>
</tr>
<tr>
<td>Report No.</td>
<td>0061PS085E</td>
</tr>
<tr>
<td>Standard</td>
<td>Method 28R, ASTM E1509-04 and ASTM E2779</td>
</tr>
<tr>
<td>Can be found at:</td>
<td><a href="http://www.quadrafire.com/about-us/epa-certification">www.quadrafire.com/about-us/epa-certification</a></td>
</tr>
</tbody>
</table>

C. BTU & Efficiency Specifications

<table>
<thead>
<tr>
<th>EPA Certification Number:</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Certified Emissions:</td>
<td>1.0 grams per hour</td>
</tr>
<tr>
<td>*LHV Tested Efficiency:</td>
<td>69.5%</td>
</tr>
<tr>
<td>**HHV Tested Efficiency:</td>
<td>65.1%</td>
</tr>
<tr>
<td>***EPA BTU Output:</td>
<td>7,500 to 36,600 per hr</td>
</tr>
<tr>
<td>****BTU Input:</td>
<td>13,100 to 49,900 per hr</td>
</tr>
<tr>
<td>Vent Size:</td>
<td>3” or 4” Type “L” or “PL”</td>
</tr>
<tr>
<td>Hopper Capacity:</td>
<td>120 lbs.</td>
</tr>
<tr>
<td>Fuel</td>
<td>Premium Wood Pellets</td>
</tr>
</tbody>
</table>

* Weighted average LHV (Low Heating Value) efficiency using data collected during EPA emissions tests in accordance with the requirements of CSA B415.1.

** Weighted average HHV (High Heating Value) efficiency using data collected during EPA emissions tests in accordance with the requirements of CSA B415.1.

*** A range of BTU outputs calculated using HHV efficiency and the burn rates from the EPA tests.

**** Based on the maximum feed rate per hour multiplied by approximately 8600 BTU’s which is the average BTU’s from a pound of pellets.

The CAB50-C is Certified to comply with 2020 particulate emission standards.

This pellet appliance needs periodic inspection and repair for proper operation. Consult the owner’s manual for further information. It is against federal regulations to operate this pellet appliance in a manner inconsistent with operating instructions in this manual.

NOTICE: This installation must conform with local codes. In the absence of local codes you must comply with the ASTM E1509-04, ULC S627-00 and (UM) 84-HUD.
D. Glass Specifications
This appliance is equipped with 5mm ceramic glass. Replace glass only with 5mm ceramic glass. Please contact your dealer for replacement glass.

E. Electrical Rating (on high)
115 VAC, 60 Hz, Start 5.1 Amps, Run 3.0 Amps

F. Mobile Home Approved
- This appliance is approved for mobile home installations when not installed in a sleeping room and when an outside combustion air inlet is provided.
- The structural integrity of the mobile home floor, ceiling, and walls must be maintained.
- The appliance must be properly grounded to the frame of the mobile home with #8 copper ground wire, and use only listed double-wall connector pipe.
- Outside Air Kit, part 811-0872 or OAK-3 must be installed in a mobile home installation.
- Appliance must be secured to mobile home structure.

G. Non-Combustible Materials
Material which will not ignite and burn, composed of any combination of the following:
- Steel
- Plaster
- Brick
- Iron
- Concrete
- Tile
- Glass
- Slate
Materials reported as passing ASTM E 136, Standard Test Method for Behavior of Metals, in a Vertical Tube Furnace of 750° C.

H. Combustible Materials
Material made of/or surfaced with any of the following materials:
- Wood
- Compressed Paper
- Plant Fibers
- Plastic
- Plywood/OSB
- Sheet Rock (drywall)
Any material that can ignite and burn: flame proofed or not, plastered or non-plastered.

I. Sleeping Room
When installed in a sleeping room it is recommended that 3ft of vertical be installed prior to horizontally exiting the room and a smoke/CO alarm be installed in the bedroom. The size of the room must be at least 50ft² per 1,000 Btu/hr stove input, if the stove exceeds the room size, outside air must be installed.

J. Stove Composition
These pellet burning stoves are made of steel, cast iron or a combination of both with a ceramic viewing glass. These stoves incorporate a self-feeding system including a fuel storage hopper and a mechanical feed system which is controlled by a micro-processing control board. Each model contains a variable speed distribution blower to circulate room air through the heat exchanger and out to the room and a combustion blower which forces the exhaust out of the stove.

K. California - Prop65

WARNING
This product and the fuels used to operate this product (wood), and the products of combustion of such fuels, can expose you to chemicals including carbon black, which is known to the State of California to cause cancer, and carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to: WWW.P65Warnings.ca.gov

NOTE: Hearth & Home Technologies, manufacturer of this appliance, reserves the right to alter its products, their specifications and/or price without notice.
2 Getting Started

A. Design, Installation & Location Considerations

1. Appliance Location

**NOTICE:** Check building codes prior to installation.

- Installation MUST comply with local, regional, state and national codes and regulations.
- Consult insurance carrier, local building inspector, fire officials or authorities having jurisdiction over restrictions, installation inspection and permits.

It is a good idea to plan your installation on paper, using exact measurements for clearances and floor protection, before actually beginning the installation. Location of the appliance and chimney will affect performance.

Consideration must be given to:
- Safety, convenience, traffic flow
- Placement of the chimney and chimney connector and to minimize the use of chimney offsets.
- Place the appliance where there will be a clear passage for a Listed chimney through the ceiling and roof (vertical) or through exterior wall (horizontal).
- Installing the required outside air kit will affect the location of the vent termination.

When locating vent and venting termination, the ideal location is to vent above roof line when possible. This minimizes the affects of wind loading.

Since pellet exhaust can contain ash, soot or sparks, you must consider the location of:
- Windows
- Air Intakes
- Air Conditioner
- Overhang, soffits, porch roofs, adjacent walls
- Landscaping, vegetation
- Horizontal or vertical vent termination

2. Floor Support

The supporting floor under the appliance must be able to handle the weight of the appliance, fuel load and the weight of the chimney.

Ensure that your floor will support these weights prior to installation. Add sufficient additional support to meet this weight requirement prior to installation. The weight of the appliance is 240 lbs.

---

**WARNING**

Risk of Fire.
Damaged parts could impair safe operation. Do NOT install damaged, incomplete or substitute components.
B. Thermostat Wall Control Location
The thermostat wall control’s location will have some affect on the appliance’s operation.
• Maximum wire length from appliance is 100 feet (30.48m) continuous non-spliced wire. Recommended 20 gauge wire, solid copper.
• When located close to the appliance, it may require a slightly higher temperature setting to keep the rest of the house comfortable.
• When located in an adjacent room or on a different floor level, you will notice higher temperatures near the appliance.

C. Tools And Supplies Needed
Tools and building supplies normally required for installation, unless installing into an existing masonry fireplace:
- Reciprocating Saw
- Channel Locks
- Hammer
- Phillips Screwdriver
- Tape Measure
- Plumb Line
- 1/4” Self-Tapping Screws
- Framing Material
- Hi-temp Caulking Material
- Gloves
- Safety Glasses
- Framing Square
- Electric Drill & Bits (1/4”)
- Level

May also need:
- Vent Support Straps
- Venting Paint

D. Inspect Appliance and Components
- Open the appliance and remove all the parts and articles packed inside the Component Pack. Inspect all the parts and glass for shipping damage.
- Report to your dealer any parts damaged in shipment.
- All labels have been removed from the glass door.
- Plated surfaces have been wiped clean with a soft cloth, if applicable.
- Read all the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.
- Follow pipe manufacturer instructions for installation and air clearance requirements.
E. Install Checklist

<table>
<thead>
<tr>
<th><strong>Appliance Install</strong></th>
<th><strong>YES</strong></th>
<th>IF NO, WHY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Verified clearance to combustibles.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appliance is leveled and connector is secured to appliance.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hearth extension size/height decided.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Outside air kit installed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Floor protection requirements have been met.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If appliance is connected to a masonry chimney, it should be cleaned and inspected by a professional. If installed to a factory built metal chimney, the chimney must be installed according to the manufacturer’s instructions and clearances.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Venting/Chimney**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chimney configuration complies with diagrams.</td>
<td></td>
</tr>
<tr>
<td>Chimney installed, locked and secured in place with proper clearance.</td>
<td></td>
</tr>
<tr>
<td>Chimney meets recommended height requirements (5 feet minimum vertical).</td>
<td></td>
</tr>
<tr>
<td>Roof flashing installed and sealed.</td>
<td></td>
</tr>
<tr>
<td>Terminations installed and sealed.</td>
<td></td>
</tr>
</tbody>
</table>

**Electrical**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC unswitched power provided to the appliance.</td>
<td></td>
</tr>
<tr>
<td>Check outlet with multi-meter for proper polarity and voltage (115-120 VAC).</td>
<td></td>
</tr>
<tr>
<td>Record voltage reading: _____________</td>
<td></td>
</tr>
</tbody>
</table>

**Clearances**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Verified all clearances meet installation manual requirements.</td>
<td></td>
</tr>
<tr>
<td>Mantels and wall projections comply with installation manual requirements.</td>
<td></td>
</tr>
<tr>
<td>Floor protection and heart extensions installed per manual requirements.</td>
<td></td>
</tr>
</tbody>
</table>

**Appliance Setup**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>All protective materials removed.</td>
<td></td>
</tr>
<tr>
<td>All labels have been removed from the door.</td>
<td></td>
</tr>
<tr>
<td>All packaging materials are removed from inside/under appliance.</td>
<td></td>
</tr>
<tr>
<td>Manual bag and all of its contents are removed from inside/under the appliance and given to the party responsible for use and operation.</td>
<td></td>
</tr>
<tr>
<td>Started appliance and verified that all motors and blowers operate as they should.</td>
<td></td>
</tr>
<tr>
<td>Checked draft using a Manometer. Record readings: ______________________</td>
<td></td>
</tr>
<tr>
<td>Checked vacuum using a Manometer. Record readings: ____________________</td>
<td></td>
</tr>
</tbody>
</table>

**Hearth & Home Technologies recommends the following:**

Photographing the installation and copying this checklist for your file.

That this checklist remain visible at all times on the appliance until the installation is complete.

**Comments:** Further description of the issues, who is responsible (Installer/Builder/Other Trades, etc.) and corrective action needed:

Comments communicated to party responsible __________________ by __________________ on ____________

(Builder/Gen. Contractor) (Installer) (Date)
3 Dimensions and Clearances

A. Appliance Dimensions

Figure 8.1 - Top View

Figure 8.2 - Side View

Figure 8.3 - Front View
Figure 9.1 - Top View w/ Top Vent Adapter (TPVNT-5)

Figure 9.3 - Top View w/ Top Vent Adapter (TPVNT-5) & 3 to 4 inch Offset Adapter (811-0720)

Figure 9.2 - Side View w/ Top Vent Adapter (TPVNT-5)

Figure 9.4 - Side View w/ Top Vent Adapter (TPVNT-5) & 3 to 4 inch Offset Adapter (811-0720)
Figure 10.1 - Top View w/ Top Vent Adapter (TPVNT-5) & 3 to 6 inch Offset Adapter (812-3570)

Figure 10.2 - Side View w/ Top Vent Adapter (TPVNT-5) & 3 to 6 inch Offset Adapter (812-3570)

Figure 10.3 - Top View w/ Top Vent Adapter (TPVNT-6)

Figure 10.4 - Side View w/ Top Vent Adapter (TPVNT-6)
Figure 11.1 - Top View w/ Top Vent Adapter (TPVNT-6) & 3 to 4 inch Offset Adapter (811-0720)

Figure 11.2 - Side View w/ Top Vent Adapter (TPVNT-6) & 3 to 4 inch Offset Adapter (811-0720)
B. Clearances to Combustibles (UL and ULC)

![Diagram showing clearances to combustibles]

**NOTE:**
- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

<table>
<thead>
<tr>
<th>Straight Back Against Wall</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>A  Back Wall to Appliance</td>
<td>2</td>
<td>51</td>
</tr>
<tr>
<td>B  Side Wall to Appliance</td>
<td>14</td>
<td>356</td>
</tr>
</tbody>
</table>

**Table 12.1**

<table>
<thead>
<tr>
<th>Corner Installation</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>C Walls to Appliance</td>
<td>2</td>
<td>51</td>
</tr>
</tbody>
</table>

**Table 12.2**

**Installations with 3 to 3 inch Top Vent Adapter**

<table>
<thead>
<tr>
<th>Vertical Installation</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>D Back Wall to Adapter</td>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>E Side Wall to Appliance</td>
<td>14</td>
<td>356</td>
</tr>
<tr>
<td>F Back Wall to Appliance</td>
<td>6-1/4</td>
<td>159</td>
</tr>
</tbody>
</table>

**Installations with 3 to 6 inch Offset Adapter**

<table>
<thead>
<tr>
<th>Vertical Installation</th>
<th>Inches</th>
<th>Millimeters</th>
</tr>
</thead>
<tbody>
<tr>
<td>D Back Wall to Adapter</td>
<td>3</td>
<td>76</td>
</tr>
<tr>
<td>E Side Wall to Appliance</td>
<td>14</td>
<td>356</td>
</tr>
<tr>
<td>F Back Wall to Appliance</td>
<td>10-3/4</td>
<td>274</td>
</tr>
</tbody>
</table>

**Table 12.3**
C. Hearth Pad Requirements (UL and ULC)

EMBER PROTECTION: It is necessary to install a Type I floor protector.

Floor protector must be non-combustible material, extending beneath appliance with a minimum of 6 inches (152mm) in front of glass and 6 inches (152mm) to both sides of the fuel loading door. Open the door and measure 6 inches (152mm) from the side edge of the opening in the face of the appliance.*See exception.

USA INSTALLATIONS: A non-combustible floor protection is recommended extending beneath the flue pipe when installed with horizontal venting or under the Top Vent Adapter with vertical installation.

CANADA INSTALLATIONS: A non-combustible floor protection extending beneath the flue pipe is required with horizontal venting or under the Top Vent Adapter with vertical installation.

WARNING

Fire Risk
Comply with all minimum clearances to combustibles as specified.
Failure to comply may cause house fire.
Table 14.1

<table>
<thead>
<tr>
<th></th>
<th>Minimum*</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Inches</td>
<td>Millimeters</td>
</tr>
<tr>
<td>A</td>
<td>Height</td>
<td>56-3/4</td>
</tr>
<tr>
<td>B</td>
<td>Width</td>
<td>53</td>
</tr>
<tr>
<td>C</td>
<td>Depth</td>
<td>n/a</td>
</tr>
<tr>
<td>D</td>
<td>To Side Wall</td>
<td>14</td>
</tr>
</tbody>
</table>

* All minimums listed are to a combustible surface.

NOTE:
- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.
4 Vent Information

A. Venting Termination Minimum Requirements

All minimum clearances are listed with an Outside Air Kit (OAK) installed, unless otherwise noted in table below.

<table>
<thead>
<tr>
<th>A</th>
<th>12 in.</th>
<th>Above Finish Grade (the grade surface must be a non-combustible material)</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>12 in.</td>
<td>Open door or window: below or to the side</td>
</tr>
<tr>
<td>B</td>
<td>12 in.</td>
<td>Open door or window: above</td>
</tr>
<tr>
<td>C</td>
<td>6 in.</td>
<td>Permanently closed window: above, below or to the side</td>
</tr>
<tr>
<td>D</td>
<td>18 in.</td>
<td>Vertical clearance to a ventilated soffit located above the terminal within a horizontal distance of 2 ft from the center-line of the terminal</td>
</tr>
<tr>
<td>D</td>
<td>36 in.</td>
<td>Vertical clearance to a ventilated soffit located above the terminal within a horizontal distance of 2 ft from the center-line of the terminal</td>
</tr>
<tr>
<td>E</td>
<td>12 in.</td>
<td>Clearance to unventilated soffit</td>
</tr>
<tr>
<td>F</td>
<td>12 in.</td>
<td>Clearance to outside corner</td>
</tr>
<tr>
<td>G</td>
<td>12 in.</td>
<td>Clearance to inside corner</td>
</tr>
<tr>
<td>H</td>
<td>36 in.</td>
<td>Above gas meter/regulator measured from horizontal center-line of regulator</td>
</tr>
<tr>
<td>I</td>
<td>36 in.</td>
<td>Clearance to service regulator vent outlet</td>
</tr>
<tr>
<td>I</td>
<td>72 in.</td>
<td>Clearance to service regulator vent outlet</td>
</tr>
<tr>
<td>J</td>
<td>12 in.</td>
<td>Clearance to non-mechanical air supply inlet to the building or the combustions air inlet to any other appliance</td>
</tr>
<tr>
<td>J</td>
<td>48 in.</td>
<td>Clearance to non-mechanical air supply inlet to the building or the combustions air inlet to any other appliance</td>
</tr>
<tr>
<td>K</td>
<td>10 ft horizontal</td>
<td>Clearance to mechanical air supply</td>
</tr>
<tr>
<td>K</td>
<td>3 ft vertical</td>
<td>Clearance to mechanical air supply</td>
</tr>
<tr>
<td>L</td>
<td>7 ft.</td>
<td>Above paved sidewalk, paved driveway located on public property</td>
</tr>
<tr>
<td>M</td>
<td>12 in.</td>
<td>Under an open veranda, porch, deck or balcony</td>
</tr>
<tr>
<td>N</td>
<td>See Note below*</td>
<td>Electric service: above, below or to the side (location must not obstruct or interfere with access)</td>
</tr>
<tr>
<td>O</td>
<td>24 in.</td>
<td>Adjacent building, fences and protruding parts of the structure</td>
</tr>
<tr>
<td>P</td>
<td>12 in.</td>
<td>Clearance above roof line for vertical terminations</td>
</tr>
</tbody>
</table>

24 in. Above grass, top of plants, wood or any other combustible

12 in. Clearance from any forced air intake of other appliance

12 in. Clearance horizontally from combustible wall

15 in. Vented directly through a wall, minimum length of horizontal pipe

6 in. horizontal Clearance horizontally from combustible wall

Minimum horizontal or vertical terminations must protrude from wall

NOTICE: Termination must exhaust above air inlet elevation.
- It is recommended that at least 60 inches (1.52m) of vertical pipe be installed when appliance is vented directly through a wall. This will create a natural draft, which will help prevent the possibility of smoke or odor venting into the home during a power outage.
- It will also keep exhaust from causing a nuisance or hazard by exposing people or shrubs to high temperatures.
- The safest and preferred venting method is to extend the vent vertically through the roof or above the roof.

NOTICE: Do NOT Terminate Vent:
- In any location that will allow flue gases or soot from entering or staining the building.
- In any location which could create a nuisance or hazard.
- In any enclosed or semi-enclosed area such as a carport, garage, attic, crawl space, under a sun deck or porch, narrow walkway.
- Closely fenced area, or any location that can build up a concentration of fumes such as a stairwell, covered breezeway, etc.

*NOTE: Consult local building, fire officials or authorities having jurisdiction. Local codes or regulations may require different clearances.
B. Avoiding Smoke and Odors
Negative Pressure, Shut-Down and Electrical Power Failure
To reduce the probability of back-drafting or burn-back in the pellet appliance during power failure or shut down conditions, it must be able to draft naturally without exhaust blower operation.

Negative pressure in the house will resist this natural draft if not accounted for in the pellet appliance installation.

Heat rises in the house and leaks out at upper levels. This air must be replaced with cold air from outdoors which flows into lower levels of the house.

Vents and chimneys into basements and lower levels of the house can become the conduit for air supply and reverse under these conditions.

Outside Air
An outside air kit is recommended in all installations. The Outside Air Kit must be ordered separately.

Per national building codes, consideration must be given to combustion air supply to all combustion appliances. Failure to supply adequate combustion air for all appliance demands may lead to back-drafting of those and other appliances.

When the appliance is roof vented (strongly recommended):
The air intake is best located on the exterior wall oriented towards the prevailing wind direction during the heating season.

When the appliance is side-wall vented:
The air intake is best located on the same exterior wall as the exhaust vent outlet and located lower on the wall than the exhaust vent outlet.

The outside air supply kit can supply most of the demands of the pellet appliance, but consideration must be given to the total house demand.

House demand may consume the air needed for the appliance. It may be necessary to add additional ventilation to the space in which the pellet appliance is located.

Consult with your local HVAC professional to determine the ventilation demands for your house.

Vent Configurations
When installing a pellet appliance with a horizontal vent configuration the frequency of power outages should be considered:

- Power outages during operation will cause the appliance to immediately turn off and may create conditions where smoke will back draft into the house.
  In order to reduce the likelihood of smoke back drafting into the house during a power outage, Hearth and Home Technologies strongly suggests:
  - Installing the pellet venting with a minimum vertical run of 5 feet (1.52m).
  - Installing the outside air kit at least 4 feet (1.22m) below the vent termination.

To prevent soot damage to exterior walls of the house and to prevent re-entry of soot or ash into the house:

- Maintain specified clearances to windows, doors and air inlets, including air conditioners.
- Vents should not be placed below ventilated soffits.
  Run the vent above the roof.
- Avoid venting into alcove locations.
- Vents should not terminate under overhangs, decks or onto covered porches.
- Maintain minimum clearance of 12 inches (305mm) from the vent termination to the exterior wall. If you see deposits developing on the wall, you may need to extend this distance to accommodate your installation conditions.

CAUTION

- DO NOT CONNECT THIS Appliance TO A CHIMNEY FLUE SERVICING ANOTHER APPLIANCE.
- DO NOT CONNECT TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.

Hearth & Home Technologies assumes no responsibility for, not does the warranty extend to, smoke damage caused by reverse drafting of pellet appliances under shut down or power failure conditions.
C. Negative Pressure

Negative pressure results from the imbalance of air available for the appliance to operate properly. It can be strongest in lower levels of the house.

Causes include:
- Exhaust fans (kitchen, bath, etc.)
- Range hoods
- Combustion air requirements for furnaces, water appliances and other combustion appliances
- Clothes dryers
- Location of return-air vents to furnace or air conditioning
- Imbalances of the HVAC air handling system
- Upper level air leaks such as:
  - Recessed lighting
  - Attic hatch
  - Duct leaks

To minimize the effects of negative air pressure:
- Install the outside air kit with the intake facing prevailing winds during the heating season
- Ensure adequate outdoor air for all combustion appliances and exhaust equipment
- Ensure furnace and air conditioning return vents are not located in the immediate vicinity of the appliance
- Avoid installing the appliance near doors, walkways or small isolated spaces
- Recessed lighting should be a “sealed can” design
- Attic hatches weather stripped or sealed
- Attic mounted duct work and air handler joints and seams taped or sealed

**WARNING**

Risk of Asphyxiation!
Negative pressure can cause spillage of combustion fumes and soot.

D. Draft

Draft is the pressure difference needed to vent an appliance successfully. When an appliance is drafting successfully, all combustion byproducts are exiting the home through the chimney.

Install through the warm airspace enclosed by the building envelope. This helps to produce more draft, especially during lighting and die-down of the fire.

Considerations for successful draft include:
- Preventing negative pressure
- Location of appliance and chimney

**NOTICE:** Hearth & Home Technologies assumes no responsibility for the improper performance of the chimney system caused by:
- Inadequate draft due to environmental conditions
- Down drafts
- Tight sealing construction of the structure
- Mechanical exhausting devices

E. Minimum Vacuum Requirements

.075 inches W.C.

F. Chimney and Exhaust Connection

1. **Chimney & Connector:** Use 3 or 4 inch (76-102mm) diameter type “L” or “PL” venting system. It can be vented vertically or horizontally.

2. **Mobile Home:** Approved for all Listed pellet vent. If using the 3 inch (76mm) vertical Top Vent Adapter Kit or the 3 to 6 inch (76-152mm) Top Vent Offset Adapter, use Listed double wall flue connector. A Quadra-Fire Outside Air Kit must be used with manufactured home installations.

3. **Residential:** The 3 inch (76mm) vertical Top Vent Adapter Kit and the 3 to 6 inch (76-152mm) Top Vent Offset Adapter are tested to use 24 gauge single wall flue connector or Listed double wall flue connector to Class A Listed metal chimneys, or masonry chimneys meeting International Residential Code standards for solid fuel appliances.

4. **INSTALL VENT AT CLEARANCES SPECIFIED BY THE VENT MANUFACTURER.**

5. Seal exhaust venting system to the unit with High Temp 500°F RTV silicone sealant. Secure the venting system to the unit with at least (3) screws. All pellet vent pipe must be secured together either by means provided by the pipe manufacturer or by (3) screws at each joint.

6. **DO NOT INSTALL A FLUE DAMPER IN THE EXHAUST VENTING SYSTEM OF THIS Appliance.**

7. **DO NOT CONNECT THIS Appliance TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.**

**NOTE:** Follow venting manufacturers recommendations for sealing pipe joints.
G. Equivalent Feet of Pipe
The table below can help you calculate the equivalent feet of pipe which is a method used to determine pellet vent size (Figure 18.1).

Example of 3 Elbow-Rear Vent Termination Calculation

<table>
<thead>
<tr>
<th>Pellet Venting Component</th>
<th># of Elbows</th>
<th>Feet of Pipe</th>
<th>Multiplied By</th>
<th>Equivalent Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>90° Elbow or Tee</td>
<td>3</td>
<td>X</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>45° Elbow</td>
<td></td>
<td>X</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Horizontal Pipe</td>
<td>7</td>
<td>X</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>Vertical Pipe</td>
<td>2</td>
<td>X</td>
<td>0.5</td>
<td>1</td>
</tr>
</tbody>
</table>

Total Equivalent Feet 23

H. Pipe Selection Chart
The chart will help you in determining proper venting size according to the equivalent feet of pipe calculated previously and the altitude above sea level of this installation (Figure 18.2).
1. Locate the calculated equivalent feet of pipe on the vertical left side of the chart.
2. Move to the right horizontally on the chart until you reach your altitude above sea level.
3. If you fall below the diagonal line, 3 or 4 inch (76 to 102mm) pipe may be used.
4. If it is anywhere above the diagonal line, a 4 inch (102mm) diameter pipe is required.

NOTICE:
• A 90° elbow is 5 times as restrictive to the flow of exhaust gases under positive pressure as 1 foot (305mm) of horizontal pipe.
• A foot of horizontal pipe is twice as restrictive as a foot of vertical pipe.

WARNING
Risk of Fire!
• Only LISTED venting components may be used.
• NO OTHER vent components may be used.
• Substitute or damaged vent components may impair safe operation.

WARNING
Risk of Injury or Property Damage.
• 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 your dealer.
A. Through The Wall
Horizontal termination cap must be a minimum of 6 inches (152mm) from the wall. Approved for mobile home installations. Must use 3 or 4 inch (76-102mm) “L” or “PL” listed pellet venting or Listed double wall pipe and an authorized Outside Air Kit in mobile homes.

NOTICE: Please note that while the minimum clearance for the termination cap is 6 inches (152mm) there is the possibility of soot build-up around the termination area. If this occurs we suggest to move the termination further away from the house to prevent it.

NOTE: In Canada, where passage through a wall or partition of combustible construction is desired, the installation shall conform to CAN/CSA-B365

CAUTION
We strongly recommend that you DO NOT DOWNWARD VENT.
The following may occur:
• The appliance will not vent properly
• Smoke spillage in the house
• Excessive sooting

Straight Out

Illustration shows venting going in both directions. Choose which one is best for your installation.

45 Degree

Figure 19.1

Figure 19.2
B. Vertical into Existing Class A Chimney

We strongly recommend a minimum of 60 inches (1.5m) vertical, however above the eve is preferred.

Both installations are approved for mobile home installations. Must use 3 or 4 inch (76 to 102mm) “L” or “PL” Listed pellet venting or Listed double wall pipe and authorized Outside Air Kit in mobile homes. Single wall pipe is approved for residential installations only.

Air Clearance to Pipe:
This appliance was tested with standard 3 inch (76mm) Listed pellet vent.

Pellet pipe manufactures Listed reduce clearance pipe may be use for reduce clearance from 3 inch (76mm) air clearance to no less than 1 inch (25mm) air clearance to combustibles for approved Listed pellet pipe.

Follow pipe manufactures listed air clearances to combustibles and installation instructions for all reduced air clearances installations.

NOTE: In Canada, where passage through a wall or partition of combustible construction is desired, the installation shall conform to CAN/CSA-B365

C. Vertical - Interior - Typical Installation

PREFERRED METHOD #1

D. Through The Wall & Vertical - External

PREFERRED METHOD #2
**WARNING**

**Fire Risk**

Inspection of Chimney:
- Masonry chimney must be in good condition.
- Meets minimum standard of NFPA 211
- Factory-built chimney must be a minimum 6 inch (152mm) UL103 HT.

---

**E. Masonry**

![Diagram of Masonry Chimney]

**F. Alternate Masonry**

![Diagram of Alternate Masonry Chimney]

---

**E. Masonry**

- Fireclay Flue Liner with Airspace
- Flashing
- 1 in. (25mm) Clearance
- 3 in. (76mm) Minimum
- Sheathing
- Clean-Out cover
- Airtight Clean-Out Door
- Non-combustible Hearth Pad

---

**F. Alternate Masonry**

- Fireclay Flue Liner with Airspace
- Flashing
- 1 in. (25mm) Clearance
- 2 in. (51mm) Minimum
- Sheathing
- Airtight Clean-out Door
- Non-combustible Hearth Pad

---

**Figure 21.1**

**Figure 21.2**
6 Appliance Set-Up

A. Outside Air Kit
There are two Outside Air Kits available for purchase with this appliance. Kit 811-0872 uses a 2 inch flex hose (which is included in the kit) and uses hose clamps to secure the hose.

**Parts Included in 2 inch Kit 811-0872:**
1 piece of 2 inch x 3 ft. flex hose, 2 hose clamps, 1 collar assembly, 1 termination cap assembly, trim ring, 1 intake air channel, fasteners (Discard the air intake channel, it is not needed for this appliance, Figure 22.2).

**Tools Needed:**
Phillips Head screw driver; wire cutters; and hole saw or jig saw.

1. Measure distance from floor to air vent opening in appliance and mark location on wall.
2. Use a saw to cut opening in wall:
   - **2 inch kit:** Cut a 2-1/2 to 3 inch opening on inside wall and a 3 to 3-1/2 inch opening on outside of house.
3. Use wire tie or hose clamp depending on the Outside Air Kit to secure flex pipe to collar assembly.
4. Slide trim ring over flex pipe and run pipe through wall.
5. Attach flex pipe to outside termination cap with second wire tie or hose clamp.
6. Secure termination cap to outside surface.
7. Secure trim ring to interior wall.

**CAUTION**

Never draw outside combustion air from:
- Wall, floor or ceiling cavity
- Enclosed space such as an attic or garage
B. Top Vent Adapter Installation

3 to 3 inch Top Vent Adapter
3 to 6 inch Top Vent Offset Adapter

1. Put a layer of high temperature silicone on the 3 inch (76mm) exhaust outlet. Do not put silicone inside of pipe (Figure 23.1).
2. Slide the top vent adapter onto the rear exhaust outlet and adjust the assembly to a vertical position (Figure 23.1).
3. Drill 4 holes with #26 drill bit (provided) into the back of the appliance using the outer shield as a pattern (make sure the assembly is vertical) (Figure 23.1).
4. Install the 4 mounting screws.
5. Drill 2 holes with #26 drill bit through the rear exhaust outlet using the 2 holes already in the short horizontal pipe in the top vent adapter as a guide. Install the 2 screws (Figure 23.1).
6. Install the vent pipe into the top vent adapter.
7. To clean the top vent adapter open the clean-out cover (Figure 23.1).

C. Rear Vent Adapter Installations

1. Put a layer of high temperature silicone on the 3 inch (76mm) exhaust outlet. Do not put silicone inside of pipe (Figure 23.1).
2. Slide the adapter onto the rear exhaust outlet and adjust the assembly to the appropriate position.
3. Install the vent pipe into the adapter.

---

Figure 23.1

Silicone Rear Exhaust Outlet

3 to 6 inch Offset Adapter
3 to 3 inch Offset Adapter

Use holes located on each side a drilling guide

Figure 23.2 - Rear Vent Adapter (811-0620)

Figure 23.3 - 90° Rear to Top Vent Adapter (TPVNT-6)
D. Thermostat Installation

1. A low voltage thermostat is required to operate this pellet appliance. You may use the included wall mount thermostat (Figure 24.1) or purchase an optional programmable thermostat or remote control. It is equipped with an adjustable heat anticipator. The current rating is .05 amps. The anticipator needs to be adjusted to the lowest setting available.

2. The appliance comes standard with a wall thermostat and 25 feet of wire. If you need to run more than 25 feet make sure you use a continuous strand of 18 to 22 gauge thermostat wire.

3. When mounting the thermostat to the wall, be sure to follow your thermostat installation instructions carefully:
   a. There is a four (4) screw terminal block located on the back lower left corner of the stove directly to the side of the power cord inlet. The center two (2) screws are for the thermostat wires; attach thermostat wire to these two screws (Figure 24.2).
   b. Separate the body of the thermostat from the mounting plate by gently pulling the two pieces apart.
   c. Slide thermostat wires through the back of the mounting plate (Figure 24.3).
   d. Connect your thermostat wire to the terminals (Figure 24.4).
   e. Using the hardware included in the box with the thermostat, screw the backer plate to the wall (Figure 24.5).

   **NOTE:** Thermostat must be mounted level for accurate readings. The thermostat should be mounted on an inside wall approximately five (5) feet up from the floor and not in direct line with the appliance convection air.

   **NOTE:** If the thermostat is located too close to the appliance, you may need to set the temperature setting slightly higher to maintain the desired temperature in your home.

   f. Snap the thermostat to the cover plate to the backer plate (Figure 24.1).
Mobile Home Installation

You must use a Quadra-Fire Outside Air Kit for installation in a mobile home.

1. An outside air inlet must be provided for the combustion air and must remain clear of leaves, debris, ice and/or snow. It must be unrestricted while the appliance is in use to prevent room air starvation which causes smoke spillage. Smoke spillage can also set off smoke alarms.
2. The combustion air duct system must be made of metal. It must permit zero clearance to combustible construction and prevent material from dropping into the inlet or into the area beneath the dwelling and contain a rodent screen.
3. The appliance must be secured to the mobile home structure by bolting it to the floor (using lag bolts). Use the same holes that secured the appliance to the shipping pallet.
4. The appliance must be grounded with #8 solid copper grounding wire or equivalent, terminated at each end with an NEC approved grounding device.
5. Refer to Clearances to Combustibles and floor protection requirements on page 12 for listings to combustibles and appropriate chimney systems.
6. Use silicone to create an effective vapor barrier at the location where the chimney or other component penetrates to the exterior of the structure.
7. Follow the chimney manufacturer’s instructions when installing the vent system for use in a mobile home.
8. Installation shall be in accordance with the Manufacturers Home & Safety Standard (HUD) CFR 3280, Part 24.

Part Numbers: 811-0872 OAK-3

WARNING

Products of combustion generate carbon monoxide and different fuels generate different levels.

Carbon monoxide:
• Only use approved fuels in this appliance.
• Always keep door shut during operation. Operating this appliance with doors open can allow CO to leak into the home.
CO can kill you before you are aware it is in your home. At lower levels of exposure, CO causes mild effects that are often mistaken for the flu. These symptoms include headaches, dizziness, disorientation, nausea and fatigue. The effects of CO exposure can vary greatly from person to person depending on age, overall health and the concentration and length of exposure.

CAUTION

THE STRUCTURAL INTEGRITY OF THE MOBILE HOME FLOOR, WALL AND CEILING/ROOF MUST BE MAINTAINED
Do NOT cut through:
• Floor joist, wall, studs or ceiling trusses.
• Any supporting material that would affect the structural integrity.
This appliance is to be connected to a factory-built chimney conforming to CAN/ULC-S629, Standard for 650°C Factory-Built Chimneys.

For removal of the chimney for mobile home transportation, contact the proper transportation officials.

Figure 25.1

CAUTION

Never draw outside combustion air from:
• Wall, floor or ceiling cavity
• Enclosed space such as an attic or garage

WARNING

It is critical to have a working smoke detector installed in the home of appliance operation.
• Smoke alarms that are properly installed and maintained play a vital role in reducing fire deaths and injuries. Having a working smoke alarm reduces the chance of fire related injuries.

WARNING

NEVER INSTALL IN A SLEEPING ROOM.
## Reference Materials

### A. Service & Maintenance Log

<table>
<thead>
<tr>
<th>Date of Service</th>
<th>Performed By</th>
<th>Description of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of Service</td>
<td>Performed By</td>
<td>Description of Service</td>
</tr>
<tr>
<td>----------------</td>
<td>--------------</td>
<td>------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of Service</td>
<td>Performed By</td>
<td>Description of Service</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------</td>
<td>------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date of Service</td>
<td>Performed By</td>
<td>Description of Service</td>
</tr>
<tr>
<td>-----------------</td>
<td>--------------</td>
<td>------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## B. Accessory List

**Service Parts CAB50-C**

Beginning Manufacturing Date: Mar 2019
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

<table>
<thead>
<tr>
<th>ITEM DESCRIPTION</th>
<th>COMMENTS</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Damper, 4 Inch</td>
<td></td>
<td>PEL-DAMP4</td>
</tr>
<tr>
<td>Outside Air Kit, 3&quot;</td>
<td></td>
<td>OAK-3</td>
</tr>
<tr>
<td>Outside Air Kit, 2&quot;</td>
<td></td>
<td>811-0872</td>
</tr>
<tr>
<td>Hose, Alum Flex, 2 Inch X 3 Ft</td>
<td>3 Ft</td>
<td>SRV200-0860</td>
</tr>
<tr>
<td>Outside Air Cap Assembly</td>
<td></td>
<td>7001-044</td>
</tr>
<tr>
<td>Outside Air Collar Assembly</td>
<td></td>
<td>SRV7001-045</td>
</tr>
<tr>
<td>Trim Plate, Outside Air Kit</td>
<td></td>
<td>412-7100</td>
</tr>
<tr>
<td>Pull Rod Handle</td>
<td></td>
<td>SRV7000-040</td>
</tr>
<tr>
<td>Reset Button Assembly</td>
<td></td>
<td>SMART-BATT-B</td>
</tr>
<tr>
<td>Smart-Stat II</td>
<td></td>
<td>SMART-STAT-HHT</td>
</tr>
<tr>
<td>Thermostat, Programmable</td>
<td></td>
<td>811-0520</td>
</tr>
<tr>
<td>Top Vent Adapter</td>
<td></td>
<td>TPVNT-5</td>
</tr>
<tr>
<td>Component Pack, TPNVT</td>
<td></td>
<td>SRV7058-054</td>
</tr>
<tr>
<td>Vent Adapter, 3-4&quot;</td>
<td></td>
<td>811-0720</td>
</tr>
<tr>
<td>Vent Adapter, 3&quot;-6&quot;</td>
<td></td>
<td>812-3570</td>
</tr>
<tr>
<td>Vent Adapter, 90, Cleanout</td>
<td></td>
<td>TPVNT-6</td>
</tr>
</tbody>
</table>

Additional Service Parts 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.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>COMMENTS</th>
<th>PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rivnut Repair Kit</td>
<td>Pkg of 10</td>
<td>RIVNUT-REPAIR</td>
<td>Y</td>
</tr>
<tr>
<td>Bolt, Hex Head, 1/4-20 X 1</td>
<td>Pkg of 10</td>
<td>25221A/10</td>
<td>Y</td>
</tr>
<tr>
<td>Guide Pin Sleeve</td>
<td>Pkg of 25</td>
<td>31120/25</td>
<td>Y</td>
</tr>
<tr>
<td>Hurricane Screw</td>
<td>Pkg of 40</td>
<td>SRV2005-861/40</td>
<td>Y</td>
</tr>
<tr>
<td>Nut, 2-Wy Side-Lock Jam 3</td>
<td>Pkg of 24</td>
<td>226-0100/24</td>
<td>Y</td>
</tr>
<tr>
<td>Nut, Lock 1/4-20</td>
<td>Pkg of 24</td>
<td>226-0090/25</td>
<td>Y</td>
</tr>
<tr>
<td>Nut, Ser Flange Small 1/4-20</td>
<td>Pkg of 24</td>
<td>226-0130/24</td>
<td>Y</td>
</tr>
<tr>
<td>Screw 8 - 32X3/8 HWH BK</td>
<td>Pkg of 40</td>
<td>SRV060-883/40</td>
<td>Y</td>
</tr>
<tr>
<td>Screw Hwh Ms 1/4-20 X 3/4 Ns</td>
<td>Pkg of 25</td>
<td>220-0080/25</td>
<td>Y</td>
</tr>
<tr>
<td>Screw, Sheet Metal #8 X 1/2 S-Grip</td>
<td>Pkg of 40</td>
<td>12460/40</td>
<td>Y</td>
</tr>
<tr>
<td>Thumbscrew, 1/4-20 X 3/4</td>
<td>Pkg of 10</td>
<td>844-5070</td>
<td>Y</td>
</tr>
<tr>
<td>Washer, 1/4 Sae</td>
<td>Pkg of 24</td>
<td>28758/24</td>
<td>Y</td>
</tr>
<tr>
<td>Washer, Sae</td>
<td>Pkg of 25</td>
<td>227-0080/25</td>
<td>Y</td>
</tr>
<tr>
<td>Wing Thumb Screw 8-32X1/2</td>
<td>Pkg of 24</td>
<td>7000-223/24</td>
<td>Y</td>
</tr>
</tbody>
</table>
CONTACT INFORMATION

Hearth & Home Technologies
352 Mountain House Road
Halifax, PA  17032
Division of HNI INDUSTRIES

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

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 of this appliance.

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: 1(   ) -

Notes:

This product may be covered by one or more of the following patents: (United States) 5341794, 5263471, 6688302, 7216645, 7047962 or other U.S. and foreign patents pending.