WARNING:
FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
WHAT TO DO IF YOU SMELL GAS
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Leave the building immediately.
- Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

DANGER

Hot glass will cause burns. Do not touch glass until cooled. Never allow children to touch glass. A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.
This appliance is a domestic room-heating appliance. It must not be used for any other purposes such as drying clothes, etc.

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

Ce guide est disponible en français sur demande.

This manual contains instructions to install the ENGINE ONLY. A trim kit is REQUIRED to complete the installation. A barrier screen is provided with the trim kit. Refer to the manual supplied with the trim for installation.

Massachusetts:
The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts. Also, see Carbon Monoxide Detector requirements in the fireplace installation manual.

WARNING
This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Note: Natural gas, in its original state, contains Benzene.

The information contained in this manual is believed to be correct at the time of printing. Miles Industries Ltd. reserves the right to change or modify any information or specifications without notice. Miles Industries Ltd. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility for any consequential damage(s).

© Copyright Miles Industries Ltd., 2020. All rights reserved.
Designed and manufactured for Miles Industries Ltd.
Please read this manual BEFORE installing and operating this appliance.

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fireplace Safety</td>
<td>4</td>
</tr>
<tr>
<td>Specifications</td>
<td>6</td>
</tr>
<tr>
<td>Kits &amp; Accessories</td>
<td>7</td>
</tr>
<tr>
<td>Dimensions &amp; Location</td>
<td>8</td>
</tr>
<tr>
<td>Installation Planning</td>
<td>9</td>
</tr>
<tr>
<td>Before Installing</td>
<td>9</td>
</tr>
<tr>
<td>Overview</td>
<td>10</td>
</tr>
<tr>
<td>Mantel Clearances</td>
<td>11</td>
</tr>
<tr>
<td>Framing</td>
<td>13</td>
</tr>
<tr>
<td>Wall Finish</td>
<td>15</td>
</tr>
<tr>
<td>Material Specifications</td>
<td>15</td>
</tr>
<tr>
<td>Non-Combustible Cement Board</td>
<td>15</td>
</tr>
<tr>
<td>Avoiding Cracking Wall Finishes</td>
<td>17</td>
</tr>
<tr>
<td>Venting</td>
<td>18</td>
</tr>
<tr>
<td>Overview</td>
<td>18</td>
</tr>
<tr>
<td>Co-Axial</td>
<td>19</td>
</tr>
<tr>
<td>Restrictor Settings</td>
<td>21</td>
</tr>
<tr>
<td>Horizontal Vent Termination</td>
<td>22</td>
</tr>
<tr>
<td>Vertical Vent Termination</td>
<td>23</td>
</tr>
<tr>
<td>Installation Into Existing Adjacent Chimney</td>
<td>24</td>
</tr>
<tr>
<td>Example of Co-linear Conversion Accessories</td>
<td>25</td>
</tr>
<tr>
<td>Installation</td>
<td>26</td>
</tr>
<tr>
<td>Appliance Preparation</td>
<td>26</td>
</tr>
<tr>
<td>Unpack Appliance</td>
<td>26</td>
</tr>
<tr>
<td>Fit Standoffs</td>
<td>26</td>
</tr>
<tr>
<td>Convert from Top to Rear Outlet (if required)</td>
<td>26</td>
</tr>
<tr>
<td>Fit Appliance into Framing</td>
<td>27</td>
</tr>
<tr>
<td>Remove Window</td>
<td>28</td>
</tr>
<tr>
<td>HeatShift™ System—if used</td>
<td>29</td>
</tr>
<tr>
<td>Install HeatShift Take-Off Collars to Appliance</td>
<td>29</td>
</tr>
<tr>
<td>Remove Convection Baffles</td>
<td>29</td>
</tr>
<tr>
<td>Electrical Wiring</td>
<td>30</td>
</tr>
<tr>
<td>Gas Supply</td>
<td>32</td>
</tr>
<tr>
<td>Liners</td>
<td>34</td>
</tr>
<tr>
<td>Fuel Beds</td>
<td>35</td>
</tr>
<tr>
<td>Birch Log Kit 1500BLK</td>
<td>35</td>
</tr>
<tr>
<td>Driftwood Kit 2100DWK</td>
<td>38</td>
</tr>
<tr>
<td>Decorative Glass Murano 1500DGM</td>
<td>40</td>
</tr>
<tr>
<td>Rocks &amp; Shale Set 1514RSS</td>
<td>41</td>
</tr>
<tr>
<td>Split Wood Kit 1500SWK</td>
<td>43</td>
</tr>
<tr>
<td>Window Re-Installation &amp; Checking</td>
<td>46</td>
</tr>
<tr>
<td>Wall Switch</td>
<td>47</td>
</tr>
<tr>
<td>Remote Control Pairing</td>
<td>49</td>
</tr>
<tr>
<td>Checking Operation and Aeration</td>
<td>51</td>
</tr>
<tr>
<td>Trim &amp; Barrier Screen</td>
<td>52</td>
</tr>
<tr>
<td>Wiring Diagram</td>
<td>53</td>
</tr>
<tr>
<td>Approved Venting Components</td>
<td>54</td>
</tr>
<tr>
<td>Commonwealth of Massachusetts</td>
<td>56</td>
</tr>
<tr>
<td>Appendix A—Lighting Instructions</td>
<td>58</td>
</tr>
<tr>
<td>Appendix B—Remote Control Operation</td>
<td>59</td>
</tr>
<tr>
<td>Appendix C—Wall Switch Operation</td>
<td>59</td>
</tr>
<tr>
<td>Appendix D—HeatShift™ System</td>
<td>67</td>
</tr>
<tr>
<td>Install HeatShift Take-Off Collars to Appliance</td>
<td>83</td>
</tr>
<tr>
<td>Appendix E—Spare Parts</td>
<td>87</td>
</tr>
</tbody>
</table>
Fireplace Safety

This manual contains very important information about the safe installation and operation of the fireplace. Read and understand all instructions carefully before installing and operating the fireplace. Failure to follow these instructions may result in possible fire hazard and will void the warranty.

Replacement manuals are available by contacting the Valor Customer Service at 1-800-468-2567, or by visiting valorfireplaces.com.

⚠️ WARNING: Extremely Hot!

Heat and flammability

- Some parts of the fireplace are extremely hot, particularly the glass windows. Use the barrier screens provided or a gate to reduce the risk of severe burns.

- The glass windows can exceed 500°F (260°C) at full capacity.

- Always keep the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

- Be aware of hot wall surfaces! The walls directly above the fireplace can get very hot when the fireplace heats. Although safe, it may reach temperatures in excess of 200°F (93°C) depending on choice of optional accessories. Do not touch!

- Be aware of hot hearth/floor surfaces! Any projections directly around the fireplace can get very hot when the fireplace heats. Although safe, they may reach temperatures in excess of 200°F (93°C) depending on elevation of hearth. Be careful of touching these! Temperature of projection surfaces will be reduced when barrier screens are installed.

- Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos and other combustible objects sensitive to heat or furniture within 36 inches (0.9 m) around the fireplace.

- Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.

- If the installation includes a horizontal surface above the fireplace, do not place items on top of the fireplace. This space is not a shelf.

- Due to its high temperatures, the appliance should be located out of traffic areas and away from furniture and draperies.

- Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.

- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children, and other at-risk individuals out of the room and away from hot surfaces.

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

- Clothing or flammable material should not be placed on or near the appliance.
Fireplace Safety

Glass windows

⚠️ WARNING
Do not operate this appliance with the glass front removed, cracked, or broken. Replacement of the glass front should be performed by a licensed or qualified service person. Do not strike or slam the glass front.

- The glass front assemblies must be in place and sealed before the unit can be placed into safe operation.

- The glass front assemblies must only be replaced as complete units, as supplied by the fireplace manufacturer. No substitute material may be used.

- Do not use abrasive cleaners on the glass front assemblies. Do not attempt to clean the glass when it is hot.

Venting

- This unit must be used with a vent system as described in this manual. No other vent system or components may be used.

- Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials for servicing and proper operation.

- This gas fireplace and vent assembly must be vented directly to the outside and must never be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance must use a separate vent system. Common vent systems are prohibited.

Intended use

- This appliance is designed and approved as a supplemental heater and provides the potential for most energy conservation when used while attended. The use of an alternate primary heat source is advisable.

- This unit is not for use with solid fuel.

- Do not use this heater as a temporary source of heat during construction.

Installation and Servicing

- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning might be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.

⚠️ WARNING

HeatShift Duct Kit: Do not cover or place items in front of or above outlet(s)!
Specifications

Approval & Codes
This appliance is certified to ANSI Z21.88/CSA 2.33 American National Standard / CSA Standard for Vented Gas Fireplace Heaters for use in Canada and USA, and to CGA 2.17-91 High Altitude Standard in Canada. This appliance is for direct vent installations.

This appliance complies with CSA P.4.1-15 Testing method for measuring annual fireplace efficiencies. The installation must conform to local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 or the Natural Gas and Propane Installation Code CAN/CGA-B149.1. Only qualified licensed or trained personnel should install this appliance.

This appliance must be electrically grounded in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1.

Supply Gas
Heater engine 1600KN uses natural gas.
Heater engine 1600KP uses propane gas.

Supply pressure must be between the limits shown in the Ratings section.
The supply connection is 3/8” NPT male and located on the left hand side of the firebox. A shut-off valve (not supplied) is required on the supply line to isolate the unit during service. See Gas Supply Installation section for details.

Conversion Kits
The 1600K are supplied as natural gas or propane gas and are field convertible between fuels. See instructions packaged with the conversion kits for further information.

Electrical
The 1600K are designed to run on battery power and do not require an electrical power source to operate as a heater. However, they require electrical power to operate optional 1270RBK Remote Blower Kit or GV60WIFI WiFi Kit.

HeatShift™ System
The 1600K are designed to allow the installation of the optional HeatShift System, a convection system that redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection, without use of a fan.

The warm air flow may be relocated to a position higher up the wall, out the sidewalls, or even to another room. The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc.

Please note that the framing and mantel clearances are affected by the installation of the HeatShift System. Refer to “Appendix D—HeatShift™ System™” on page 67 for more information.

Outdoor Conversion Kit
The 1600K models are supplied standard for indoor applications and may be adapted for installation in specific “outdoor” applications protected from weather as defined in the GV60CKO outdoor conversion kit manual.

<table>
<thead>
<tr>
<th>Gas</th>
<th>1600KN</th>
<th>1600KP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altitude (ft.)*</td>
<td>0-4,500 feet*</td>
<td></td>
</tr>
<tr>
<td>Input Maximum (Btu/h)</td>
<td>30,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Input Minimum (Btu/h)</td>
<td>19,000</td>
<td>21,000</td>
</tr>
<tr>
<td>Manifold Pressure (in w.c.)</td>
<td>3.5”</td>
<td>9.5”</td>
</tr>
<tr>
<td>Minimum Supply Pressure (in w.c.)</td>
<td>5”</td>
<td>11”</td>
</tr>
<tr>
<td>Maximum Supply Pressure (in w.c.)</td>
<td>10”</td>
<td>14”</td>
</tr>
<tr>
<td>Main Burner Injector Marking</td>
<td>DMS#36</td>
<td>DMS#52</td>
</tr>
<tr>
<td>Pilot Injector Marking</td>
<td>51</td>
<td>30</td>
</tr>
<tr>
<td>Min. Rate By-Pass Screw</td>
<td>220</td>
<td>160</td>
</tr>
</tbody>
</table>

*High Altitude Installations
Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1 and/or local codes having jurisdiction. Heating value of gas in some areas is reduced to compensate for elevation—consult your local gas utility to confirm.

For installations at elevations above 4,500 feet (1,370 m) in Canada, please consult provincial and/or local authorities having jurisdiction.
Kits & Accessories

Required Kits  Information accurate at the time of printing and subject to change without notice.

<table>
<thead>
<tr>
<th>Fuel Beds (choose one)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2100DWK Driftwood Kit</td>
<td></td>
</tr>
<tr>
<td>1500DGM Decorative Glass Murano Kit</td>
<td></td>
</tr>
<tr>
<td>1514RSS Rock &amp; Shale Kit</td>
<td></td>
</tr>
<tr>
<td>1500SWK Split Wood Kit</td>
<td></td>
</tr>
<tr>
<td>1500BLK Birch Logs Kit</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liners Panels (choose one)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1615FBL Fluted Black Liner</td>
<td></td>
</tr>
<tr>
<td>1625RGL Reflective Glass Liner</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trims (choose one)</th>
<th>Barrier Screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>1530CIK Clean Install Kit - Fine Mesh - <strong>REQUIRES HeatShift</strong></td>
<td>4007929</td>
</tr>
<tr>
<td>1550LSBv2 Linear 3-1/2&quot; Surround Black</td>
<td>4004215</td>
</tr>
<tr>
<td>1575LFB Linear 1&quot; Finishing Trim Black</td>
<td>4005564</td>
</tr>
</tbody>
</table>

Optional Accessories  Information accurate at the time of printing and subject to change without notice.

<table>
<thead>
<tr>
<th>Gas Conversion Kits</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1500KNGK Conversion to natural gas</td>
<td></td>
</tr>
<tr>
<td>1500KPGK Conversion to propane gas</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other Accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>GV60CKO Outdoor Fireplace Conversion Kit</td>
<td></td>
</tr>
<tr>
<td>1506DRK Additional rocks for Driftwood Kit</td>
<td></td>
</tr>
<tr>
<td>1270RBK Remote Blower Kit</td>
<td></td>
</tr>
<tr>
<td>GV60WIFI WiFi Kit (requires GV60VM)</td>
<td></td>
</tr>
<tr>
<td>GV60VM V-Module power supply (required for WiFi Kit)</td>
<td></td>
</tr>
<tr>
<td>LDK HeatShift System Kits (gravity flow) - MANDATORY with 1530CIK Kit</td>
<td></td>
</tr>
</tbody>
</table>

Hearth Gate  Hearth gates such as Cardinal's VersaGate are available at retail stores carrying safety products for children.

---

**WARNING**

Optional electrical accessories **ARE NOT ALLOWED** when adapting appliance for outdoor use.

**WARNING**

HeatShift System **MUST be installed on this appliance when using 1530CIK—Clean Installation Kit!**
Dimensions & Location

Dimensions

Top View

Front View

Right Side View

Left Side View

Location

NOT for exterior wall installation
Installation Planning

Caution
Only qualified, license, or trained personnel should install this appliance.

1. YOU NEED TO KNOW FROM THE HOMEOWNER:
   • Will optional HeatShift System* be used;
   • Height of appliance and shelf, if used;
   • Thickness and type of wall finish around appliance;
   • Trim used*;
   • Other optional accessories used (if any);
   • Venting configuration.

2. Unpack the appliance, removing all items packed inside and around it. Recycle the packaging.

3. Check that you have everything, using the Pack Content sheet. Also, check that you have:
   • Fuel bed (packed separately);
   • Liner panels (packed separately);
   • Remote Battery and Wall Switch Kit;
   • HeatShift System components (if used);
   • Gas conversion kit (if necessary);
   • Venting accessories;
   • Electrical accessories (if used).

4. Carefully read the Installer’s Checklist included with the fireplace for the installation sequence.

WARNING
*HeatShift System MUST be installed on this appliance when using 1530CIK—Clean Installation Kit!
**Installation Planning**

**Note:** This appliance may be installed in outdoor, weather protected environments as defined in the GV60CKO Outdoor Conversion Kit instruction manual.

- **Combustible Floor**
- **Framing—See Framing Requirements**
  - 1/2 inch thick non-combustible cement board – **NOT supplied**
  - Supplied as horizontal side outlet, field convertible to top vertical outlet.

- **Remote Handset Wall Holder**
- **Surround Plate with Barrier Screen (required)**
  - Narrow 1” Trim 1575LFB and wider 3-1/2” steel Trim 1550 adjustable, accept additional non-combustible finish over cement board and behind trim. 1530CIK’s narrow trim **requires** HeatShift.
  - Cement board finishes up to perimeter of trim. Note: 1530CIK installs **before** cement board.

- **Wall Finish**
  - Any wall finish applied over cement board must be non-combustible. Combustible mantel are ok provided they conform to chart (see page 11)

- **Remote Battery and Wall Switch Kit (required)**
  - (35-foot wire length) (supplied)
  - 1600K heater
  - Optional LDK HeatShift Duct Kit outlets (4)

- **Electrical box for optional WiFi**

**WARNING**

Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos, and other items sensitive to heat around the fireplace.

**WARNING**

HOT WALL SURFACES! The wall directly above the fireplace is constructed of non-combustible materials and, although safe, it may reach temperatures in excess of 200°F (93°C) depending on choice of trims. Do not touch. Finish wall using materials suitable for these temperatures.
**Installation Planning**

**Combustible Mantel—Left Side View**

**NOTE**
Use for the optional HeatShift System affects mantel and hearth clearances. See HeatShift section in Appendix D of this manual.

**WARNING**
HeatShift System MUST be installed on this appliance when using 1530CIK—Clean Installation Kit!

Same dimensions and restrictions apply to both sides of the appliance.
Installation Planning

Mantel Clearances

Combustible Sidewall / Mantel Leg—Top View

- Face of Finished Wall
- Fireplace Opening: 39-11/16”
- Min. 4” to wall or combustible mantel leg
**Framing Dimensions**

**NOTE**
Use for the optional HeatShift System affects mantel and hearth clearances. See HeatShift section in Appendix D of this manual.

**WARNING**
HeatShift System MUST be installed on this appliance when using 1530CIK—Clean Installation Kit!

1/2" thick non-combustible cement board required above, on each side and below engine opening (NOT supplied) - see page 36.

NOTE: Height of cavity may be affected by vent configuration with clearance - see page 14.

18-1/2"

Critical!
This dimension is total framing cavity depth not including any wall finish.

No hearth required. If using a hearth, see page 11.

Between underside of header and bottom of firebox

51-1/4"

18-1/2"

Critical!
This dimension is total framing cavity depth not including any wall finish.

No hearth required. If using a hearth, see page 11.

**NOTE:** This unit requires a solid platform to support it. Combustible framing allowed beneath fireplace. When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and recessed depth of the appliance.
Installation Planning

Venting Considerations—Vertical Takeoff

- Dimensions of venting are based on using Dura-Vent elbows. Elbow curve radius dimensions will vary when using other brands and in general are slightly bigger.
- Minimum 12 inches vertical pipe section required right at unit. Refer to venting chart on page 28 for allowable horizontal runs.
- 3 inches to combustibles required above horizontal pipe. Slope pipe upwards 1/4 inch per foot. 1 inch clearance required around sides and bottom of horizontal pipe and around vertical pipe.
- When calculating effective pipe lengths subtract approximately 1-1/2 inch per pipe joint - for example, a 12 inches pipe section will add approximately 10-1/2 inches overall.

Venting Considerations—Horizontal Takeoff

- WARNING
  If installing with a horizontal surface above the fireplace, do not use this surface as a shelf. Do not place objects above the fireplace as this surface will be hot.
Installation Planning

Material Specifications

Non-Combustible
Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C shall be considered non-combustible materials.

Combustible
Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered or unplastered shall be considered combustible materials.

Non-Combustible Cement Board
The L1 See Thru Linear fireplace requires a 1/2" (13 mm) thick non-combustible cement board to be used as a wall surface immediately surrounding the unit's opening—see diagram for minimum coverage.

Extending the cement board well beyond the minimum shown will help avoid cracking due to differential expansion of materials.

Pre-drill cement board with oversized holes and do not over-tighten screws to avoid cracking due to heat expansion.

Standard gypsum wall board may be used beyond the perimeter of the cement board.

Minimum Cement Board Dimensions

Minimum coverage area of non-combustible cement board. Any wall finish applied to shaded area must be non-combustible.

<table>
<thead>
<tr>
<th>inches [mm]</th>
<th>With 1550 or 1575 trims</th>
<th>With 1530CIK kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Min. 20-1/2 [521]</td>
<td>Min. 20-1/8 [511]</td>
</tr>
<tr>
<td>B</td>
<td>14-3/4 [375]</td>
<td>15-13/16 [401]</td>
</tr>
<tr>
<td>C</td>
<td>Min. 9-1/4 [235]</td>
<td>Min. 8-9/16 [218]</td>
</tr>
<tr>
<td>D</td>
<td>Min. 6-1/2 [165]</td>
<td>Min. 6 [153]</td>
</tr>
<tr>
<td>E</td>
<td>Min. 40 [1016]</td>
<td>Min. 41 [1041]</td>
</tr>
</tbody>
</table>
Installation Planning

Non-Combustible Finishing Over Cement Board
Additional non-combustible material such as tile, etc., may be applied over top of the cement board or you may choose to leave it finished clean with no tile, etc. Be aware that a trim is always required on the front and rear of the unit. Finish should not cover the trims.

1575 and 1550 Trims
Only the 1575 and 1550 style trims will accept tile, etc. tucked behind them (up to 5/8” thick for the 1575 and up to 1 inch thick for the 1550).

1530 Trim
1530 trim must be installed BEFORE cement board. Cement board and finishes are applied to the perimeter of the trim frame. Cement board and finish CANNOT be tucked under this trim.

Wider trim (1550) can adjust up to 1” forward of surface of cement board.

Narrow trim (1575) can adjust up to 5/8” forward of surface of cement board.

Clean Installation Kit (1530) does not adjust forward. Cement board finishes up to perimeter of the trim. Requires HeatShift, and must be installed before finish.
Avoiding Cracking Wall Finishes
We recommend installing the optional LDK HeatShift Duct Kit to reduce the wall temperatures and minimize the possibility of cracking wall finishes.

**WARNING**
HeatShift System MUST be installed on this appliance when using 1530CIK—Clean Installation Kit.

If a clean finish with no tile, etc. is desired, joints in the cement board and the transition to gypsum board will require special attention if future cracking is to be controlled. Be aware that temperatures on the non-combustible wall surface above the appliance can exceed 200°F (93°C).

Below are some tips on how to best avoid any cracking:
- Allow materials to dry thoroughly before finishing the wall. Cement board has the ability to absorb up to 30 percent of its weight in water and may shrink as much as 1/8” over a 48” length when drying from a saturated condition. Running the fireplace for an extended period before final finishing will help drive out moisture.
- Always pre-drill screw holes through cement board and use screws with self-milling head.
- Always use mesh tape over joints.
- Always stagger joints in wall board.
- Behind joints, double up studs or use studs “on the flat” to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.
- Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.
- Ensure framing materials are dry.
- After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.
- Avoid notching cement board or tiles around corners of window opening and instead provide a joint that intersects the corner.
- Avoid using large one-piece slab of material with a cut-out in the middle as a surround for the fireplace. Expansion above the opening will cause cracking at inside corners. Provide a joint that intersects the inside corner to avoid cracking.

**Installation Planning**

**Wall Finish**

- **Always pre-drill screw holes through cement board and use screws with self-milling head.**
- **Always use mesh tape over joints.**
- **Always stagger joints in wall board.**
- **Behind joints, double up studs or use studs “on the flat” to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.**
- **Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.**
- **Ensure framing materials are dry.**
- **After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.**
- **Avoid notching cement board or tiles around corners of window opening and instead provide a joint that intersects the corner.**
- **Avoid using large one-piece slab of material with a cut-out in the middle as a surround for the fireplace. Expansion above the opening will cause cracking at inside corners. Provide a joint that intersects the inside corner to avoid cracking.**
Venting

Overview

Top or Rear Outlet
This unit is supplied with a top vent outlet which can be field-converted to a rear vent outlet. See Appliance Preparation section for more information.

Vent Material
This unit is approved for installation using 4 x 6-5/8 inches co-axial direct vent pipe and accessories as listed in the Approved Venting Components section on pages 61–62 of this manual. Follow the installation instructions supplied with the individual venting accessories.

This unit may also be converted to co-linear (2 x 3 in) venting for use in solid-fuel burning fireplaces and chimneys using adapters and accessories—see list in the Approved Venting Components section on pages 61–62 of this manual.

Vent Sealing
Seal all outer coaxial pipe and elbow joints, including sectioned elbow joints, using high quality, high temperature 2 inch wide self-adhesive aluminum foil tape (Nashua-322-2 brand or similar). Wrap the tape completely around all joints and press firmly to seal.

A high temperature black silicone sealant may be used in the outer joints as a substitute to foil tape.

Ensure all the pipe joints have a minimum of 1 ¼ inch overlap.

Wall Thickness
The appliance vent is suitable for penetrating a combustible wall assembly up to 8 inches in thickness. A non-combustible wall can be of any thickness up to the maximum horizontal run of vent pipe allowed for the particular installation.

Framing Vent in Combustible Walls & Ceilings
When penetrating through combustible walls and ceilings, frame a minimum of 10 in x 10 in opening and ensure that the insulation is kept clear of the vent pipe using either a wall thimble or an attic insulation shield. Follow the installation instructions supplied with the individual venting components.

Important Installer Notice – Weather Sealing & Vapor Barriers
It is the installer’s responsibility to ensure that vent installations through exterior walls are caulked and weatherproofed in such a manner as to:

• Prevent rain water from entering the wall from the weather side by adequately caulking the outer vent plate to the exterior wall surface.
• Prevent moisture inside the home from penetrating into the wall structure by ensuring the inside wall plate is adequately sealed to the inside vapor barrier.
• Prevent rain water and moisture from entering the walls by sealing the joints between the outer vent tube and the inner and outer wall plates.

We recommend the use of a high quality polyurethane sealant.

All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
Venting

Typical Co-axial Venting Components

- Vertical Termination
- Storm Collar
- Flashing
- Attic Insulation Shield
- Attic Firestop
- Ceiling Firestop
- Pipe Length
- Horizontal Termination
- 2-Piece Wall Thimble
- Pipe Length
- 90° Elbow
- Top Outlet
- Side Outlet
- Top Outlet
- Top Outlet
How to Read the Venting Chart

The chart below applies to co-axial roof or wall termination.

1. Minimum 12 inch vertical pipe section required right at unit.
2. The total length of the vent pipe cannot exceed 40 feet.
3. The minimum vertical height with roof termination is 6 feet.
4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can be used.

Venting Chart

**4 x 90° ELBOWS MAXIMUM (or equivalent)**

Excludes the 45 degrees take-off elbow shipped with the appliance.

6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)

7. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.

8. A restrictor adjustment is required for most installations having a vertical rise—see next section. **Note:** The restrictor is shipped installed at the exhaust exit of the firebox.

---

Example 1

V Value = V1 (3') + V2 (2') + V3 (1') = 6'
H Value = H1 (0') + H2 (3') = 3'
Restrictor position # 1 required
Restrictor Settings
The restrictor is located in the roof of the firebox hidden above the top liner panel. Adjust the restrictor before installation of the top liner panel. Should subsequent adjustment be required, you will need to remove the top liner panel—see page 43.

**ALL INSTALLATIONS REQUIRE A RESTRICTOR** for improved flame picture and performance. This unit is supplied with a pre-fitted restrictor having five different positions or settings. The restrictor is shipped mounted at the maximum open position which is used for rear venting with no vertical rise. The level of restriction required depends on the vertical rise in the venting system and, to a lesser degree, the horizontal run and number of elbows.

The amount of restriction is based on laboratory tests. The ideal restrictor position may vary slightly, especially when the vent pipe length is near the limits of the acceptable configurations for each type of restrictor.

The chart on the previous page shows the vent restrictor required relative to the length of the vent pipe.

To set the restrictor position:

1. Establish the required position of the restrictor looking up the venting table on the previous page.
2. Release the screws (2) on each side of the restrictor already installed on the firebox roof port.
3. Slide the restrictor in the required position.
4. Tighten the screws.
**Venting**

**Horizontal Vent Termination Location**
- The vent terminal must be located on an outside wall or through the roof.
- This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction.
- The minimum clearances from this terminal that must be maintained when located on an outside wall are shown in figure below. Any reduction in these clearances could result in a disruption of the airflow or a safety hazard. Local codes or regulations may require greater clearances.
- The vent terminal must not be recessed into a wall or siding.
- The vent terminal should be positioned where any snowdrifts will not cover it.
- Sidewall vent terminations require a terminal guard such as 658TG or 845TG when accessible—within 7’ of ground.

![Diagram of vent termination locations](image)

<table>
<thead>
<tr>
<th>KEY</th>
<th>VENT TERMINAL LOCATIONS - MINIMUM DISTANCES</th>
<th>MINIMUM CLEARANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Measured from the center of vent</td>
<td>Inches</td>
</tr>
<tr>
<td>A</td>
<td>Clearance above grade, verandah, porch, deck or balcony</td>
<td>12</td>
</tr>
<tr>
<td>B</td>
<td>Clearance to window or door that may be opened</td>
<td>12</td>
</tr>
<tr>
<td>C</td>
<td>Clearance to permanently closed window (recommended to prevent condensation on window)</td>
<td>12</td>
</tr>
<tr>
<td>D</td>
<td>Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal</td>
<td>18</td>
</tr>
<tr>
<td>E</td>
<td>Clearance to unventilated soffit</td>
<td>12</td>
</tr>
<tr>
<td>F</td>
<td>Clearance to outside corner</td>
<td>12</td>
</tr>
<tr>
<td>G</td>
<td>Clearance to inside corner</td>
<td>12</td>
</tr>
<tr>
<td>H</td>
<td>Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4.6 m) below the terminal</td>
<td>36</td>
</tr>
<tr>
<td>I</td>
<td>Clearance to service regulator vent outlet</td>
<td>36</td>
</tr>
<tr>
<td>J</td>
<td>Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance</td>
<td>12</td>
</tr>
<tr>
<td>K</td>
<td>Clearance to a mechanical air supply inlet</td>
<td>72</td>
</tr>
<tr>
<td>L</td>
<td>Clearance above paved sidewalk or a paved driveway located on public property</td>
<td>84</td>
</tr>
<tr>
<td>M</td>
<td>Clearance under a verandah, porch, deck or balcony</td>
<td>12</td>
</tr>
</tbody>
</table>

*Note:* A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings. **THIS DOES NOT APPLY to direct vent, non-consdensing appliances in the Province of Ontario.**

**Note:** Local codes and regulations may require different clearances.
## Vertical Vent Termination

<table>
<thead>
<tr>
<th>Roof Pitch</th>
<th>Minimum &quot;H&quot; (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flat to 7/12</td>
<td>1'</td>
</tr>
<tr>
<td>Over 7/12 to 8/12</td>
<td>1.5'</td>
</tr>
<tr>
<td>Over 8/12 to 9/12</td>
<td>2'</td>
</tr>
<tr>
<td>Over 9/12 to 10/12</td>
<td>2.5'</td>
</tr>
<tr>
<td>Over 10/12 to 11/12</td>
<td>3.25'</td>
</tr>
<tr>
<td>Over 11/12 to 12/12</td>
<td>4'</td>
</tr>
<tr>
<td>Over 12/12 to 14/12</td>
<td>5'</td>
</tr>
</tbody>
</table>
Installation Into Existing Adjacent Chimney

**Note:** Co-linear portion of vent system may only be installed within a solid-fuel burning fireplace and chimney.

The appliance can be adapted to co-linear applications using an existing chimney. The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

Requires the Co-Axial to Co-Linear appliance Adapter 46DVA-GCL, 46DVA-CLAA, or equivalent, two lengths of 3”, 2-ply flexible chimney liner both approved for venting gas appliances, a co-linear termination kit, and flashing.

The appliance must be fully enclosed while maintaining clearances to combustibles detailed elsewhere in this manual.

Rules for Co-Linear Venting

- Maximum 40 feet vertical pipe
- Minimum 10 feet vertical
- Maximum offset 8 feet with liners at minimum 45 degrees from horizontal plane
- Restrictor: Not required when using co-linear venting.

**Note:** Co-linear flexible aluminum venting should be professionally inspected periodically for corrosion and damage and replaced when necessary. If the installation does not allow for future inspection or replacement of the flexible aluminum venting, then stainless steel vent liners should be used.
Venting

Co-Linear Conversion

Example of Co-linear Conversion Accessories

Examples of Co-axial to Co-linear Appliance Adapters

46DVA-GCL

46DVA-CLAA

Examples of Co-linear Terminal Configurations

Co-linear Termination Kits

Alternate Co-linear to Co-axial Conversion at Terminal

Co-linear Terminal (typical)

Flashing Kit

Co-linear Terminal Cap

With...

Co-Linear to Co-Axial Adapter

Flashing
Installation

Unpack Appliance
Beware of sharp edges! Wear gloves!
1. Remove the cardboard wrapping and the wood pallet from the appliance and discard.
2. Unpack any loose items from around the appliance.
3. Remove the window and set aside in a safe place to avoid damage—see page 28.
4. Verify that you have all the components required for the installation, including:
   • approved cement board;
   • liners and fuel bed (in separate cartons);
   • trim kit with barrier screen;
   • venting components and accessories;
   • optional HeatShift system if used;
   • electrical components if installing optional fan or WiFi.

Fit Standoffs
1. The four top stand-offs are supplied flat on the firebox top and fixed at one end. Bend them as shown and fix the loose end to the top of the firebox.
2. The four side stand-offs are supplied flat. Bend them and fix them to the sides of the firebox as indicated with the screws supplied (2 stand-offs per side).

Appliance Preparation

Convert from Top to Rear Outlet (if required)
This unit is supplied with a top vent outlet which can be field-converted to a rear vent outlet. Please note that the rear outlet requires the installation of the heat shield on top of the heater case as indicated.
1. Remove the top outlet collar (6 screws).
2. Swivel the collar and install as a rear outlet (6 screws).
3. Reinstall the heat shield to the top of the appliance case (3 screws).
**Installation**

**Fit Appliance into Framing**

1. Remove the screws retaining the engine to its pallet.

2. Taking great care not to cut your hands on the sheet metal edges, lift the appliance away from its packing base and place it in the framing. *Make sure that the unit is at the right height with consideration to the height of the hearth or combustible flooring.*

3. Fold out the 6 mounting tabs (3 front, 3 rear) and recess the appliance in the framing as shown.

4. Fasten the unit to framing using 3 screws or nails at the mounting tabs on the front and rear. **Note:** The sheet metal front face of the appliance is flush with the framing studs.
Remove Window
Each window is held in place by a spring-loaded lever on each side.

1. To remove the window, locate the levers on each side of the window towards the top. Using your finger, pull the lever towards you and unhook it from the window frame bracket.
2. Gently pull the top of the window outward.
3. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.

Installation
Appliance Preparation
Installation

HeatShift™ System—if used

Install HeatShift Take-Off Collars to Appliance

1. Remove the four cover plates on top of the appliance case (6 screws each).

2. Install the collars on the holes on top of the appliance’s case (6 screws each).

Remove Convection Baffles

To be effective, the HeatShift system requires that two internal convection baffles located above the firebox inside the appliance case be removed to allow the hot air flow to convect upwards into ducts installed on the fireplace.

Remove the first convection baffle from the appliance. It is held in place by 3 screws located right behind the upper edge of the fireplace opening. Recycle this panel as it is no longer needed.

Repeat this procedure on the reverse side of the appliance.

See “Appendix D—HeatShift™ System” on page 67 for more details regarding the installation.

WARNING

All FOUR (4) takeoffs MUST BE CONNECTED TO PLENUM(S).

WARNING

The Linear fireplaces requires the removal of both internal convection baffles for the HeatShift system to function properly—read instructions carefully!
Install Electrical Wiring (if required)

This section provides information to install the electric pre-wiring required for use with the optional GV60WIFI WiFi Kit.

All wiring must be done by a qualified electrician in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1.

Electrical Requirements

GV60WIFI—6 VDC (from receiver), less than 1 amp

General Requirements

The optional GV60WIFI kit requires a GV60VM power supply (known as a V-Module), which includes a three-prong grounded plug to plug into a grounded receptacle installed within the fireplace enclosure by a qualified electrician.

The receptacle, housing, and strain relief are supplied and installed as part of the fireplace.

Notes

• We recommend connecting the electrical box even if the optional kit has not been purchased. It is much easier to wire before wall finish is applied.
• Wiring within the receptacle enclosure must have a minimum 90°C temperature rating.
• Wire nuts not included.

Installation

1. Locate the electrical housing. It is behind the front panel of the fireplace in the bottom right corner.

2. Remove the inner cover (2 screws).

3. Pull the inner cover and receptacle (attached) out of the fireplace.
4. Thread the cable through the stud and the strain relief in the fireplace case. **Do not tighten the clamp yet.** Pull as much wire through the case as you need to wire the receptacle outside the case.

5. Strip wire and terminate grounded receptacle using wire nuts (not included). Place the connected receptacle back in the fireplace, and pull excess cable back through the strain relief.

6. Place the inner cover and receptacle in position and replace 2 screws.

7. Leave your desired cable slack in the electrical box, and tighten the strain relief cable clamp outside of fireplace casing and secure and excess wire to framing.
Set-up Gas Supply
The gas supply inlet connection is a 3/8” NPT male connector located on the left hand side of the firebox.

The unit is supplied with a stainless steel flex line to allow the appliance to be disconnected for service. An individual shut-off valve (not supplied) is required on the supply line ahead of the flex connector.

Use only new black iron or steel pipes, CSST, or copper tubing if acceptable—check local codes. Note that in USA, copper tubing must be internally tinned for protection against sulfur compounds.

Unions in gas lines should be of ground joint type.

The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure.

Sealant used must be resistant to the action of all gas constituents including LP gas. Sealant should be applied lightly to male threads to ensure excess sealant does not enter gas lines.

Pressure test the supply line for leaks.
The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Failure to either disconnect or isolate the appliance during pressure testing may result in regulator or valve damages and void the warranty. Consult your dealer in case of damages.
Installation

Pressure Test Points
The minimum supply pressure is given in the section “Specifications” on page 6.

All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

When testing for leaks:
• Make sure that the appliance is turned off.
• Open the manual shut-off valve.
• Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.

⚠️ Caution
Never use an open flame to check for leaks! Correct any leak detected immediately.

The pressure test tapping locations are shown in the figure at right. An internal regulator within the valve controls the burner manifold pressure. The correct pressure range is shown in the table in section “Specifications” on page 6. The pressure check should be made with the burner alight and at its highest setting. See “Appendix A—Lighting Instructions” on page 58 for full operating details.
**Install Liners**
Unpack the liners carefully as they are fragile. The steel platform around the burner should not yet be installed.

**Ceramic panels**
1. Identify the top and bottom (fire) sides of the top panel, then slide it between the top panel support brackets.

2. Lift the top panel slightly at one end of the firebox and place one side panel against the end wall and side of the firebox ensuring it is well seated against the firebox side.

3. Let the top panel protruding part rest on the cut out of the upper part of the side panel.

4. Repeat with the other side panel.

**Glass panels**
1. Install the top panel, sliding it between the top panel support brackets.

2. Fit the anchor brackets onto the side panels.

3. Place one side glass panel and anchor against the side wall of the firebox, smooth side showing.

4. Add the other side glass panel and anchor; place the other end of the top panel on its anchor bracket.
Installation

Birch Log Kit 1500BLK

Material required
• Black steel platform (supplied with appliance)
• Birch Log Kit containing:
  • 8 logs
  • 1 bag of mixed grey embers (6 cup bag)
  • 1 bag of splinters

Overview

Installation
1. Carefully unpack the kit, as the logs are fragile.
2. Install the steel platform around the burner as indicated. The openings in the platform should be underneath.
3. Place log L2 with the pin inserted in the hole as shown. Put the other end of the log on the pilot shield.
4. Place log L1 from the top of L2, across the burner to the front of the media platform.
5. Place log L4 next to L2 and across the burner as shown.

6. Place log L6 on top of L4 and to the left on the front media platform.

7. Place log L8 with the pin inserted in the hole as shown.

8. Place log L3 from the top of L8 and onto the media platform.

9. Place log L9 between L6 and L8 on the rear media platform. L9 should rest on the raised edge of the burner.

10. Place log L12 on top of L6 and onto the burner.
11. Place (do not pour) embers on the burner and media platform.

12. Place splinters to preference.

**IMPORTANT:** Approved for use only with the ceramic embers and splinters provided with your Valor fireplace. The use of any other products may void your fireplace warranty.

**WARNING**

Choking Hazard! Ensure that the fireplace area is clear of embers / splinters as these could be ingested by small children. Vacuum area after installation.

1500BLK—Birch Log Kit installed
Installation

Driftwood Kit 2100DWK

Material required
- Black steel platform (supplied with appliance)
- Driftwood Kit containing:
  - 5 logs
  - 7 pebbles
  - 1 bag of vermiculite

Overview

Installation
1. Carefully unpack the kit, as the logs are fragile.

Fuel Beds

2. Install the steel platform around the burner as indicated. The openings in the platform should be underneath.

3. Place log 2965 as shown, with the two pins in the holes in the platform.

4. Place log 2967 as shown, with two pins in the holes in the platform.
5. Place log 3720 in the center of the firebox, at the rear. Note there are two holes for the left peg of this log.

**Natural gas:** Place the log’s left peg in the front hole.

**Propane gas:** Place the log’s left peg in the rear hole.

6. Place log 2939 onto the pin on top of 3720 and across the burner to the front of the platform.

7. Place log 2966 with the two pins in the holes in the platform.

8. Carefully spread the vermiculite on the burner and the surrounding platform. Do not pour too much to avoid blocking the burner ports.

**NOTE:** Ensure the area within the pilot shield is clear of vermiculite.

9. Place the pebbles around the burner to preference.

**WARNING**

*Choking Hazard!* Ensure that the fireplace area is clear of vermiculite pieces as these could be ingested by small children. *Vacuum area after installation.*

**IMPORTANT:** Use only the vermiculite provided with your Valor fireplace. The use of any other types of material may void your fireplace warranty.
Installation

Decorative Glass Murano 1500DGM

Material required
- Steel platform (supplied with appliance)
- Decorative Glass Murano Glass kit, which contains:
  - 1 glass platform
  - 1 bag of clear 1/2" fireglass

Installation

Carefully unpack the kit.

1. Install the steel platform around the burner as indicated. The openings in the platform should be underneath. The edge of the burner protrudes above the platform.

2. Install the glass plate on the platform, the textured side underneath and the smooth side on top. The plate is flush with the edge of the burner.

3. Carefully spread the fireglass on the surface of burner patting it gently with your hand to form a single layer to the approximate level of the top edge of the flange around the burner. Do not place too much to avoid blocking the burner ports.

4. Some fireglass may be added on the platform to cover the edge of the burner and in the space in front and behind the pilot shield.

NOTE: Ensure the area within the pilot shield is clear of fireglass.

IMPORTANT: Approved for use only with the fireglass provided with your Valor fireplace or the tempered crushed fireglass brands American Fireglass™ or firegear. The use of any other fireglass products may void your fireplace warranty.

WARNING
Choking Hazard! Ensure that the fireplace area is clear of fireglass particles as these could be ingested by small children. Vacuum area after installation.
Installation

Rocks & Shale Set 1514RSS

Material required
- Black steel platform (supplied with appliance)
- Rock & Shale Set, which contains:
  - 5 twigs
  - 29 rocks (assorted colors)
  - 1 bag of 3/4” grey/black shale

Overview

Installation
1. Carefully unpack the kit, as the logs are fragile.
2. Install the steel platform around the burner as indicated. The openings in the platform should be underneath.

Fuel Beds

3. Place the rocks around the burner, on the media platform.

4. Place the first twig #2 as shown, from on top of the rear rocks, across the burner, to the media platform. It should not rest directly on the burner.

IMPORTANT: All twigs installed in this kit should be resting on the rocks, not the burner, as much as possible.

5. Place the first twig #1 as shown. Do not place it directly on the burner.
**Installation**

6. Place twig #3 as shown. Do not place it directly on the burner.

7. Place the second twig #1 as shown. Do not place it directly on the burner.

8. Place the second twig #2 as shown. Do not place it directly on the burner.

9. Place (do not pour) the shale directly onto the burner.

**IMPORTANT:** Use only the ceramic rocks, twigs and shale provided with your Valor fireplace. The use of any other types of rocks, twigs or shale may void your fireplace warranty.

**WARNING**

Choking Hazard! Ensure that the fireplace area is clear of shale pieces as these could be ingested by small children. Vacuum area after installation.

Rocks & shale fuel bed installed
Installation

Split Wood Kit 1500SWK

Material required
- Black steel platform (supplied with appliance)
- Split Wood Kit, which contains:
  - 9 logs (numbered)
  - 1 bag of small embers
  - 1 bag of splinters

Fuel Beds

Installation
1. Carefully unpack the kit, as the logs are fragile.
2. Install the steel platform around the burner as indicated. The openings in the platform should be underneath.
3. Place log 1 as shown with the pin in the hole.
4. Place log 2 from on top of log 1, across the burner to the front platform.
5. Place log 3 as shown, on top of the pilot shield.

6. Place log 4 with the pin in the front platform. Place some embers under the other end of the log to raise it slightly off the burner.

7. Place log 7 as shown, from on top of log 4 to the platform.

8. Place log 9 with the pin in the front platform as shown.

9. Place log 8 on top of log 9. The left hand end of log 8 has a pin to insert into the platform.

10. Place log 10 as shown. There is a cutout that fits over the rear corner of the burner - the log should be placed slightly away from the burner, not directly against it.
Installation

11. Place log 11 on top of log 10 to the front of the platform.

12. Place (do not pour) embers among the logs.

13. Place splinters on top of the embers.

**IMPORTANT:** Approved for use only with the ceramic embers and splinters provided with your Valor fireplace. The use of any other products may void your fireplace warranty.

**WARNING**

Choking Hazard! Ensure that the fireplace area is clear of embers / splinters as these could be ingested by small children. Vacuum area after installation.
Installation

Window Re-Installation & Checking

Refit and Check Window

1. Place the window in its bottom railing. Ensure to remove any vermiculite or glass particles in the railing before installing the window.

2. Push the top of the window frame against the firebox.

3. While you hold it, pull and hook the side levers back to the window brackets on each side.

4. Pull out top of window to ensure spring loaded levers work properly.

5. Apply firm hand pressure around the window frame to ensure the window is sealed tight against the firebox.

6. If the Hot Glass Warning plate has been removed from the front lower corner of the window, re-install it by sliding it between the glass and the frame as indicated.

**WARNING**

The window unit must be correctly installed, fastened and sealed after servicing or serious bodily injury and/or damage to the appliance may result.

To ensure a safe operation:

- Double-check that the bottom of the window frame is correctly installed in the bottom support railing;
- Verify that the levers are hooked properly to the window tabs then;
- Pull out the top of the window and release it to insure the springs return it;
- Ensure the window is sealed before operation.

**WARNING**

Failure to install the window correctly can:

- Leak carbon monoxide.
- Affect the performance of the fireplace.
- Damage components.
- Cause overheating resulting in dangerous conditions.

Damage caused by incorrect window installation is not covered by the Valor Warranty.
Install Remote Battery and Wall Switch Kit (required)
The Remote Battery and Wall Switch Kit is provided with this appliance. It connects to the receiver in the fireplace.
The receiver is located under the firebox, left of the control valve. It is maintained in position with Velcro bands.

1. Pull out the receiver from its location to connect the battery holder and wall switch.
2. Feed the ‘white connector end’ of the harness assembly through side holes in fireplace liner body to receiver. Ensure sufficient harness length to allow for removal of receiver. Note - coil up any extra harness at fireplace end.
3. Connect switch to auxiliary 5-pin junction and power connection to jack.

**IMPORTANT: The connection can only be done one way.**

**Caution**

DO NOT PUT BATTERIES IN THE BATTERY HOLDER until the wires are connected to the burner control unit as short-circuit could result in the destruction of the electrical components.

Do not run the switch wire over the top of the firebox. Route the wire so it does not contact the firebox.

4. Run harness assembly to mounted position of junction box, securing harness to framing using insulated staples (not included)
5. Feed harness assembly through a restrain on rear of junction box, feeding through until harness sheath is pinched by retainer and providing sufficient length to make connection to rear of switch and battery holder.
6. Secure junction box to the mounting surface using appropriate fasteners (not included)
7. Align molex connection on switch cable of harness assembly and connect to switch.
Installation

8. Mount switch plate to junction box with 2 long screws provided. Note: switch position left or right to suit homeowner wishes.

9. Locate and secure magnet plate using 2 ‘long’ screws provided.

10. Place and secure cover plate to box using 4 screws provided.

11. Feed cable tie through the 2 side slots of battery cover assembly.

12. Position battery holder to rear face and secure together with cable tie. Note clearance is required for battery snap connection.

13. Make the snap connection, load 4 AA alkaline batteries into holder (included with fireplace) then feed back into junction box assembly. Note: Do not put batteries in the receiver, only in the battery holder by the wall switch.

14. Test the operation of the wall switch—see “Appendix C—Wall Switch Operation” on page 66.

Caution

DO NOT USE a screwdriver or other metallic object to remove the batteries from the battery holder or the handset! This could cause a short circuit to the receiver.

To avoid short-circuit to the receiver, position the antenna so that it DOES NOT TOUCH the ignition wire.
Remote Control Initial Pairing

The receiver and the handset of the remote control system must be initially paired before the first use. (Note that batteries must already be installed in the wall mounted battery holder)

1. Insert two 1.5 V AAA alkaline batteries in the handset.
2. Locate the Reset button on the front side of the receiver.
3. With a thin object, press and hold the receiver’s RESET button until you hear one short and one long beeps. After the second beep, release the reset button.
4. Within the subsequent 20 seconds, press and hold the button on the remote handset for 2-3 seconds. will be displayed on the handset during the pairing sequence. You will hear two short beeps confirming the pairing is done.

If you hear one long beep, the pairing sequence has failed or the wiring is incorrect.

This is a one time pairing only and is not required when changing the batteries of the handset or battery holder. The remote control system is now ready to use.
Install Remote Control Handset Wall Holder

The remote control kit for this fireplace comes complete with a wall-mounted holder. This holder is not required in all installations but is provided as an optional feature for those customers who wish to mount the remote handset to the wall.

To install the holder to the wall, find a convenient location and use the hardware provided with the kit. Cover the screws with the included caps to finish the mounting.

Once mounted, the holder is magnetic - simply place the remote gently into the holder.

IMPORTANT: The location of the remote control handset is important to assure proper temperature regulation. To obtain a constant temperature, we recommend that the handset should be between 3 and 15 feet away from the appliance but not directly above it. We also advise that the handset should be located away from any other heat source and not in direct sunlight as this may affect the temperature sensor located in the remote handset.
Checking Operation

Turn the fireplace flame up and down using the remote control to confirm that the full range of inputs is achieved—see the remote control operation instructions in “Appendix B—Remote Control Operation” on page 59.

Adjusting Aeration

Light the fire and allow the unit to warm up for 10–15 minutes to evaluate the flame picture. The burner is equipped with an adjustable shutter to control primary aeration. The shutter is factory-set to an aeration gap which will give optimum performance for the vast majority of installations.

Depending of the fuel bed used, altitude and other considerations, the flame picture may be improved by adjusting the aeration. The need for adjustment should be determined only by operating the appliance with the fuel bed, panels and window installed and evaluating the flame picture after a 15-minute warm-up.

Increasing aeration will cause the flames to appear more transparent and blue showing more ceramic effects glow.

Decreasing aeration will cause the flames to appear more yellow or orange showing less ceramic effects glow.

Too little aeration may result in black carbon forming on logs or roof panel and dropping into the firebox.
Install Trim and Barrier Screen
Install the trim chosen by the customer for their fireplace. Install as well the barrier screen which is provided with the trim.
Show the customer how to remove the barrier screen to access the controls.
Follow the instructions provided with the trim and leave those instructions behind for the customer's further reference.

1530CIK—Clean Installation Kit
If you are installing the 1530CIK Clean Installation Kit, you need to do it BEFORE the cement board.
1. Break off tabs from each corner of the fireplace's front opening (8 tabs, 2 at each corner). Bend tabs back and forth to break them, or cut them with tin snips as indicated in the kit's installation instructions.
2. Remove the internal convection baffle inside the appliance case, above the firebox. See “Appendix D—HeatShift™System” on page 67

⚠️ WARNING
HeatShift System MUST be installed on this appliance when using 1530CIK—Clean Installation Kit.
Wiring Diagram

GV60 Wiring Diagram

- AC Power
- MAN Knob
- Main Valve Knob
- Combination Control Valve
- Interruptor Block
- Thermocouple
- 8-Wire Cable (bundled)
- V-module (optional)
- WiFi Module (optional)
- Receiver
- Antenna
- Battery Holder

Required for optional WiFi kit
V-module required
<table>
<thead>
<tr>
<th>Venting Parts Description</th>
<th>DURA-VENT</th>
<th>SELKIRK</th>
<th>ICC EXCEL DIRECT</th>
<th>SECURE VENT</th>
<th>RLH INDUSTRIES</th>
<th>AMERIVENT</th>
<th>MILES INDUSTRIES</th>
<th>BDM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Termination Caps</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizontal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Co-axial</td>
<td>46DVA-HC</td>
<td>4DT-HC</td>
<td>TM-4HT</td>
<td>—</td>
<td>—</td>
<td>4DHC round</td>
<td>658DVK2</td>
<td>940160</td>
</tr>
<tr>
<td>Deluxe Co-axial</td>
<td>—</td>
<td>—</td>
<td>TM-4RHT</td>
<td>—</td>
<td>—</td>
<td>4DHC5 square</td>
<td>—</td>
<td>940160</td>
</tr>
<tr>
<td>High Wind Co-axial</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>SV4CHC</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>Vertical</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Co-axial</td>
<td>46DVA-VC</td>
<td>4DT-VT</td>
<td>—</td>
<td>HSDV4658-1313</td>
<td>4DV</td>
<td>4D-1313</td>
<td>—</td>
<td>940264</td>
</tr>
<tr>
<td>High Wind Co-axial</td>
<td>46DVA-VCH</td>
<td>—</td>
<td>TM-4SVT</td>
<td>SV4CGV</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>940206LP</td>
</tr>
<tr>
<td>Extended Co-axial</td>
<td>46DVA-VCE</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td><strong>Co-linear</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co-linear-to-Co-linear</td>
<td>46DVA-CL33</td>
<td>—</td>
<td>TM-IVT</td>
<td>3PDVCV</td>
<td>HSC-33U-99</td>
<td>HSC-33F-1313</td>
<td>559CLT</td>
<td>940033B</td>
</tr>
<tr>
<td>DV to B-Vent Adapter</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>940034B</td>
</tr>
<tr>
<td><strong>Adjustable Pipe Length and Pipe Extensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| **Coaxial Flex**          | 46DVA-08A | 4DT-ADJ | —               | —           | 4D7A or 4D7AB | 3" to 7"
| 46DVA-08AB (3" to 7")    | —         | 4DT-ADJ(B) | —               | —           | —             | 4D7A or 4D7AB | 3" to 7"
| 46DVA-16A (3" to 8")     | ADT-AJ12  | ADT-AJ12B (4" to 10") | —         | —           | 4D7A or 4D7AB | 3" to 7"
| 46DVA-16AB (3" to 14-1/2")| —         | —       | —               | —           | —             | 4D7A or 4D7AB | 3" to 7"
| 46DVA-17TA (11" to 17")  | ADT-TL14  | ADT-TL14B (14" to 22") | —         | —           | 4D7A or 4D7AB | 3" to 7"
| 46DVA-17TAB (11" to 17") | —         | —       | —               | —           | —             | 4D7A or 4D7AB | 3" to 7"
| 46DVA-24TA (17" to 24")  | ADT-TL38  | ADT-TL38B (38" to 70") | —         | —           | 4D7A or 4D7AB | 3" to 7"
| 46DVA-24TAB (17" to 24") | —         | —       | —               | —           | —             | 4D7A or 4D7AB | 3" to 7"
| **Coaxial Flex**          | 46DVA-48FF| —       | —               | —           | —             | —         | —                |     |
| **Adjustable Pipe Length and Pipe Extensions** |         |         |                 |             |               |           |                  |     |
| **Coaxial Flex**          | 46DVA-45  | —       | TE-4DE45        | —           | —             | 4D45L     | 94620645         |     |
| **Adjustable Pipe Length and Pipe Extensions** |         |         |                 |             |               |           |                  |     |
| **Adjustable Pipe Length and Pipe Extensions** |         |         |                 |             |               |           |                  |     |
| **DV 45° Elbows**         | 46DVA-E45 | —       | TE-4DE45        | —           | —             | 4D45L     | 94620645         |     |
| **DV 90° Elbows**         | 46DVA-E90 | —       | TE-4DE90        | —           | —             | 4D90L     | 94620690         |     |

NOTE: 2-ply liner approved to CAN/ULC S635 suitable for venting gas appliances. As manufactured by Z-Flex, Flexmasters or others.

Aluminum Flexible Liner

<table>
<thead>
<tr>
<th>3&quot; or 4&quot; diameter</th>
<th>AF3-35L</th>
<th>AF4-35L</th>
<th>TM-ALK33</th>
<th>TM-ALK43</th>
<th>TM-ALT33</th>
<th>TM-ALT43</th>
<th>—</th>
<th>—</th>
<th>952703</th>
</tr>
</thead>
<tbody>
<tr>
<td>2280 Series</td>
<td>46DVA-08A</td>
<td>4DT-ADJ</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>4D7A or 4D7AB</td>
<td>3&quot; to 7&quot;</td>
<td>—</td>
</tr>
<tr>
<td>2280 Series</td>
<td>46DVA-16A</td>
<td>4DT-ADJ(B)</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>4D7A or 4D7AB</td>
<td>3&quot; to 7&quot;</td>
<td>—</td>
</tr>
<tr>
<td>2280 Series</td>
<td>46DVA-17TA</td>
<td>ADT-TL14</td>
<td>ADT-TL14B</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>4D7A or 4D7AB</td>
<td>3&quot; to 7&quot;</td>
<td>—</td>
</tr>
<tr>
<td>2280 Series</td>
<td>46DVA-24TA</td>
<td>ADT-TL38</td>
<td>ADT-TL38B</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>4D7A or 4D7AB</td>
<td>3&quot; to 7&quot;</td>
<td>—</td>
</tr>
</tbody>
</table>

Snorkel, 14" Rise

| 46DVA-SNK14 | —       | —       | —        | —        | 4D14S    | 94040614 |

Snorkel, 36" Rise

| 46DVA-SNK36 | —       | —       | —        | —        | 4D36S    | 94040636 |

DV 45° Elbows

| 46DVA-E45 | —       | —       | —        | —        | 4D45L     | 94620645 |

Galvanized Swivel

| 46DVA-45 | —       | —       | —        | —        | 4D45L     | 94620645B|

Black Swivel

| 46DVA-45B | —       | —       | —        | —        | 4D45LB    | 94620645B|

DV 90° Elbows

| 46DVA-E90 | —       | —       | —        | —        | 4D90L     | 94620690 |

Galvanized Swivel

| 46DVA-E90 | —       | —       | —        | —        | 4D90L     | 94620690 |

Black Swivel

| 46DVA-E90 | —       | —       | —        | —        | 4D90L     | 94620690 |

Approved Venting Components
## Approved Venting Components

<table>
<thead>
<tr>
<th>Venting Parts Description</th>
<th>Venting Parts Code / availability by Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DURA-VENT</td>
</tr>
<tr>
<td>6” long Galvanized Black</td>
<td>46DVA-06</td>
</tr>
<tr>
<td></td>
<td>46DVA-06B</td>
</tr>
<tr>
<td>7” long Galvanized Black</td>
<td>46DVA-09</td>
</tr>
<tr>
<td>9” long Galvanized Black</td>
<td>46DVA-12</td>
</tr>
<tr>
<td>12” long Galvanized Black</td>
<td>46DVA-18</td>
</tr>
<tr>
<td>24” long Galvanized Black</td>
<td>46DVA-24</td>
</tr>
<tr>
<td>36” long Galvanized Black</td>
<td>46DVA-36</td>
</tr>
<tr>
<td>48” long Galvanized Black</td>
<td>46DVA-48</td>
</tr>
<tr>
<td>Roof Flashing 0/12-6/12</td>
<td>46DVA-F6</td>
</tr>
<tr>
<td>Roof Flashing 7/12-12/12</td>
<td>46DVA-F12</td>
</tr>
<tr>
<td>Flat Roof Flashing</td>
<td>46DVA-FF</td>
</tr>
<tr>
<td>Masonry Flashing</td>
<td>—</td>
</tr>
<tr>
<td>New Siding Flashing</td>
<td>—</td>
</tr>
<tr>
<td>Wall Thimble</td>
<td>46DVA-WT</td>
</tr>
<tr>
<td>Storm Collar</td>
<td>46DVA-SC</td>
</tr>
<tr>
<td>Decorative Plate</td>
<td>46DVA-DC</td>
</tr>
<tr>
<td>Cathedral Ceiling Support</td>
<td>46DVA-CS</td>
</tr>
<tr>
<td>Ceiling Firestop / Floor Support</td>
<td>46DVA-FS</td>
</tr>
<tr>
<td>Attic Radiation Shield / Firestop</td>
<td>—</td>
</tr>
<tr>
<td>4DAIS36 (36&quot;)</td>
<td></td>
</tr>
<tr>
<td>Wall Strap</td>
<td>46DVA-WS</td>
</tr>
<tr>
<td>Vinyl Siding Standoff</td>
<td>46DVA-VSS</td>
</tr>
<tr>
<td>Elbow Strap / Offset Support</td>
<td>46DVA-ES</td>
</tr>
<tr>
<td>Terminal Guard</td>
<td>46DVA-WG</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Follow instructions supplied with each manufacturer’s components.
2. Unless otherwise specified, all the parts and assemblies from the above table are to be used with 4” x 6-5/8” pipes.
3. Do not mix components from different vent manufacturers.
4. Termination caps manufactured by RLH Industries or American Metal Products are from Homestyle Chimney Collection and can be ordered in one of the following finishes: a) aluminium; b) black powder coated; c) solid copper.
5. Miles Industries Valor Co-linear adapter 1156CLA cannot be used with models 1600. Use only with models 1100, 1150, 1400, 1500 and 1700.
6. The DVA5BV DV to BV adapter can ONLY be installed on the listed models 1100/1150.
State of Massachusetts Carbon Monoxide Detector/Vent Terminal Signage Requirements

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

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

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

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

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

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

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

   (b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

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

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

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

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

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

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

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

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

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

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand, remote handset, or wall switch. Follow these instructions exactly. To save gas, turn the pilot off when not using the appliance for a prolonged period of time.

B. BEFORE LIGHTING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gases are heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

• Do not try to light any appliance.
• Do not touch any electric switch; do not use any phone in your building.
• Immediately call your gas supplier from a neighbor’s phone. Follow the gas supplier’s instructions.
• If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the control knobs. Never use tools. If the knobs will not push in or turn by hand, don’t try to repair them; call a qualified service technician. Force or attempted repair may result in a fire or explosion.

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

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above.

2. TO CLEAR ANY GAS, turn main valve off by pressing Power button (⊙) on handset (1).
   • Wait five (5) minutes to clear out any gas, then smell for gas, including near the floor. If you smell gas, STOP! Follow “B” in the safety information above on this label. If you don’t smell gas, go to the next step.

3. AUTOMATIC IGNITION: MAN-knob (2) in ON position. Ensure Flame Adjustment knob (3) is set to lowest setting (☉) (Fig. 1). Locate the pilot (Fig. 3.) inside of firebox.
   • On the handset, press the Power button (⊙); a short acoustic signal confirms the start has begun.
   • Further short acoustic signals indicate the ignition process is in progress.
   • When the pilot is lit, the Flame Adjustment knob (3) will automatically rotate to the highest setting.
   • Press the Down button (▼) on the handset to reduce the flame height.

4. MANUAL IGNITION: MAN-knob (2) in MAN position (Fig. 2). With the front and side windows and front sill off, locate the pilot (Fig. 3) inside of firebox at the front.
   • Set Flame Adjustment knob (3) to the lowest setting (☉).
   • Push down the metallic core (4) with a pen or similar instrument; this will establish the pilot gas flow.
   • Light gas at the pilot (5) with a match.
   • Continue holding down metal core (4) for about 10 seconds; after release, pilot should remain lit.
     • If the pilot will not stay lit after several tries, turn the gas control knob (3) to OFF (☉) and call your local service technician or gas supplier.
     • Reinstall the window and set the MAN-knob (2) to ON; turn Flame Adjustment knob (3) up (☉) or down (☉) manually or use the Up/Down buttons (▲▼) buttons on the handset to adjust the flame height.

TO TURN OFF GAS TO APPLIANCE

AUTOMATIC SHUT-OFF (using the handset):
• Press and hold the Down button (▼) on the handset to shut-off the main burner gas flow.
• Press Power button on handset to shut-off the appliance, including pilot flame.
Appendix B—Remote Control Operation

Initial Pairing
Before the remote control can be used with the fireplace, it must be paired. See “Remote Control Initial Pairing” on page 49.

Remote Control Operation
NOTE: Before using the remote control system for the first time, the receiver and the handset must be paired. See the section Remote Control Initial Pairing on the first page of this manual.

Main Display

To Turn On Fire

NOTE: When pilot ignition is confirmed, motor automatically turns to maximum flame height.

One-Button lighting (default): 

Two-Button lighting:  + simultaneously

Press and hold for 4 seconds, until 8 short beeps and a blinking series of lines confirms the start sequence has begun. Release button.

Main gas flows once pilot ignition is confirmed.

Handset automatically goes into manual mode after main burner ignition.

Standby Mode (Pilot Flame)
Press and hold  to set appliance to pilot flame.

CAUTION: If the pilot does not stay lit after several tries call your local service technician or gas supplier.

To Turn Off Fire

Press  to turn OFF.

Note: There is a 2 minute delay after switching off before the next ignition is possible.

CAUTION: Always check the fire and pilot visually to ensure they are off.

Flame Height Adjustment

To increase flame height, press and hold .

To decrease flame height, press and hold . You may hold the button down until the fire is set to pilot flame only.
Appendix B—Remote Control Operation

Designated Low Fire and High Fire
To go to low fire, double-click “LO” is displayed.

Note: Flame goes to high fire first before going to low fire.

To go to high fire, double-click “HI” is displayed.

Choosing 1-Button or 2-Button Ignition
On the remote control handset, you can choose a 1-button or 2-button ignition. You can also choose to activate or deactivate some of the functions. By default, the handset is set to a 1-button ignition.

To change from 1-button to 2-button ignition, remove the batteries, wait 10 seconds, reinsert batteries, and immediately when the display flashes, press and hold the ON button for 10 seconds. ON is displayed and 1 is flashing. When change is complete, 1 changes to 2.

To change from 2-button to 1-button ignition, proceed the same as above. ON is displayed and 2 is flashing. When change is complete, 2 changes to 1.

Deactivating or Activating Functions
These functions are active by default, but can be deactivated at any time:

• Child Proof
• Program Mode
• Thermostatic Mode
• Eco Mode
• Circulating Fan Operation
• Countdown Timer

To deactivate functions:
1. Install batteries. All icons are displayed and flashing.
2. While the icons are flashing, press the relevant function button and hold for 10 seconds.
3. The function icon will flash until deactivation is complete. Deactivation is complete when the function icon and two horizontal bars (---) are displayed.

Note: If a deactivated button is pressed, there is no function, and the two horizontal bars are displayed.

To activate functions:
1. Install batteries. All icons are displayed and flashing.
2. While the icons are flashing, press the relevant function button and hold for 10 seconds.
3. The function icon will continue to flash until activation is complete, and then turn solid. Activation is complete when the function icon is displayed.

Setting Celsius or Fahrenheit
To change between °C and °F, press and hold + simultaneously.

Note: °C = 24-hour clock
°F = 12-hour clock

Setting the Time
2. Press + to select a number to correspond with the day of the week.
   • 1 = Monday
   • 2 = Tuesday
   • 3 = Wednesday
   • 4 = Thursday
   • 5 = Friday
   • 6 = Saturday
   • 7= Sunday
4. To select hour press or .
5. Press + simultaneously. Minutes flash.
6. To select minutes press or .
7. To confirm, press + simultaneously or wait.
Appendix B—Remote Control Operation

**Child Proof**

Your handset can be set to lock out all commands to the fireplace, except OFF.

**To turn Child Proof ON:**
1. Press and hold $+$ simultaneously.
2. $+$ is displayed. Child Proof is now active.

**To turn Child Proof OFF:**
1. Press and hold $+$ simultaneously.
2. $+$ disappears. Child Proof is now inactive, and the handset has full function.

**Countdown Timer**

You can set your fireplace to automatically turn off at the end of a timer.

**To set a Countdown Timer:**
1. Press and hold $+$ until $+$ is displayed. **Hour** flashes.
2. Press $<$ or $>$ to select Hour.
3. To confirm, press $\square$.
   **Minutes** flash.
4. Press $<$ or $>$ to select Minutes.
5. To confirm, press $\square$ or wait.

**To turn off a Countdown Timer:**
1. Press $\square$, and the $+$ countdown disappears.

**Note:** The Countdown Timer only works in Manual, Thermostatic, and Eco modes. Maximum countdown time is 9 hours and 50 minutes.

**Light/Dimmer Operation** (not available)

**Setting:**
1. Press and hold $+$ until $+$ is displayed.
2. To adjust light between 20-100% press $<$ or $>$.
3. To confirm setting either press $\square$ or wait.

**Circulating Fan Operation** (not available)

**Setting:**
1. Press and hold $+$ until $+$ is displayed.
2. Press $<$ to increase or $>$ to decrease fan speed.
3. To confirm setting, either press $\square$ or wait.

**Off:**
Press $\square$ until all 4 speed level bars disappear.

**Note:** When setting, if the fan was not switched OFF after last use, it starts automatically 4 minutes after ignition at maximum speed, and goes to the last set level after 10 seconds. The fan stops 10 minutes after the gas is OFF or at pilot.
Appendix B—Remote Control Operation

Modes of Operation

Thermostatic Mode
The room temperature is measured and compared to the set temperature. The flame height is automatically adjusted to achieve the set temperature.

Program Mode
The temperature is controlled by Programs 1 and 2, each of which can be set to go on and off at specific times, at a set temperature.

Eco Mode
Flame height modulates between high and low. If the room temperature is lower than the set temperature, the flame height stays on high for a longer period of time. If the room temperature is higher than the set temperature, the flame height stays on low for a longer period of time. One cycle lasts approximately 20 minutes.

If any of the above modes (Thermostatic, Program, or Eco) are engaged by the MyFire app over WiFi, the handset will display APP.

Manual Mode
The on/off status of the fireplace, as well as flame height, are manually controlled by the user.

Thermostatic Mode

On:
Press \(\bullet\) is displayed. Preset temperature displays briefly, followed by the room temperature.

Setting Desired Temperature:
1. Press and hold \(\bullet\) until \(\bullet\) is displayed and set temperature flashes.
2. To adjust set temperature, press \(\Delta\) or \(\nabla\).
3. To confirm, press \(\bullet\) or wait.

Off:
1. Press \(\bullet\).
2. Press \(\Delta\) or \(\nabla\) to go to Manual Mode.
3. Press \(\bullet\) to go to Program Mode.
4. Press \(\bullet\) to go to Eco Mode.

Program Mode

On:
Press \(\bullet\). \(\Delta\) 1 or 2, ON or OFF are displayed.

Off:
1. Press \(\bullet\), \(\Delta\), or \(\nabla\) to go to Manual Mode.
2. Press \(\bullet\) to go to Thermostatic Mode.
3. Press \(\bullet\) to go to Eco Mode.

Note: The set temperature for Thermostatic Mode is the temperature for the ON time in Program Mode. Changing the Thermostatic Mode set temperature also changes the ON time temperature in Program Mode.

Default Settings:
- ON TIME (Thermostatic) TEMPERATURE: 70°F / 21°C
- OFF TIME TEMPERATURE: “” (pilot flame only)
Appendix B—Remote Control Operation

Temperature Setting:
1. Press and hold \( \square \) until \( \square \) flashes. \( \text{ON} \) and set temperature (set in Thermostatic Mode) is displayed.
2. To continue, press \( \square \) or wait. \( \text{OFF} \) displayed, temperature flashes.
3. Select off temperature by pressing \( \uparrow \) or \( \downarrow \).
4. To confirm, press \( \square \).

Note: The on (Thermostatic) and off set temperatures are the same for each day.

Day Setting:
1. ALL flashes. Press \( \uparrow \) or \( \downarrow \) to choose between:
   - ALL = same settings ON-OFF every day
   - SA:SU = same settings ON-OFF Saturday and Sunday
   - 1, 2, 3, 4, 5, 6, 7 = daily timer—unique ON-OFF settings for a single day of the week, for multiple days of the week or for every day of the week.
2. To confirm, press \( \square \).

ALL Selected

On Time Setting (PROGRAM 1)
1. \( \square \), 1, \( \text{ON} \) are displayed. ALL is displayed briefly. Hour flashes.
2. To select hour, press \( \uparrow \) or \( \downarrow \).
3. To confirm, press \( \square \). \( \square \), 1, \( \text{ON} \) are displayed. ALL displayed briefly. Minutes flash.
4. To select minutes, press \( \uparrow \) or \( \downarrow \).
5. To confirm, press \( \square \).

Off Time Setting (PROGRAM 1)
1. \( \square \), 1, \( \text{OFF} \) are displayed. ALL is displayed briefly. Hour flashes.
2. To select hour, press \( \uparrow \) or \( \downarrow \).
3. To confirm, press \( \square \). \( \square \), 1, \( \text{OFF} \) are displayed. ALL displayed briefly. Minutes flash.
4. To select minutes, press \( \uparrow \) or \( \downarrow \).
5. To confirm, press \( \square \).

Note: Either continue to PROGRAM 2 and set ON and OFF times or stop programming at this point, and PROGRAM 2 remains deactivated.

Note: PROGRAM 1 and 2 use the same ON (Thermostatic) and OFF temperatures. Once a new ON (Thermostatic) and/or OFF temperature has been set, that temperature becomes the new default setting.

Note: ON and OFF times programmed for PROGRAM 1 and PROGRAM 2 become the new default times.

The batteries must be removed to clear the PROGRAM 1 and PROGRAM 2 ON and OFF times and temperatures.

SA:SU or Daily Timer (1-7) Selected
• Set on time and off time using the same procedure as “ALL Selected” above.
• Waiting to finish setting.

Eco Mode

On:
Press \( \square \) button to enter Eco Mode. \( \square \) is displayed.
Flame height modulates between high and low every 20 minutes.

Off:
Press \( \square \) button to exit Eco Mode. \( \square \) disappears.
Appendix B—Remote Control Operation

Low Battery Indication

⚠️ CAUTION: Do not use a screwdriver or other metallic object to remove the batteries from the battery holder or the handset. This could cause a short circuit.

Handset
The battery icon will show when the battery needs to be replaced. Replace with two 1.5 V AAA alkaline batteries.

Receiver
Frequent beeps for 3 seconds when the motor turns indicate the batteries in the battery holder need to be replaced. Replace with four 1.5 V AA alkaline batteries.

Automatic Shut Off

Countdown Timer
At the end of countdown time period, the fire turns off. The Countdown Timer only works in Manual, Thermostatic, and Eco Modes. Maximum countdown time is 9 hours and 50 minutes.

Low Battery Receiver
With low battery power in the battery holder, the system shuts off the fire completely. (This will not happen if the power is completely interrupted.)

Seven Day Shut Off
The system shuts off the fire completely if there is no change in flame height for 7 days.

Automatic Turn Down

3 Hour No Communication Function
The valve will turn to pilot flame if there is no communication between the handset and receiver for a 3-hour period. The fire will continue to function normally when communication is restored.

Radio Frequency
918.0 MHz for USA and Canada.
This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.
# Appendix B—Remote Control Operation

## Error Codes

In the event of an error condition with the handset or fireplace, the handset will display an error code.

<table>
<thead>
<tr>
<th>Failure Code</th>
<th>Message on Handset</th>
<th>Duration of Display</th>
<th>Symptom</th>
<th>Possible Cause</th>
</tr>
</thead>
</table>
| F04          | F04                | 4 sec               | • No pilot flame within 30 sec  
• **Note:** after 3 failed ignition sequences, F06 shown | • No gas supply  
• Air in pilot supply line  
• No spark  
• Reversed polarity in thermocouple wiring |
| F06          | F06                | 4 sec               | • 3 failed ignition sequences in 5 minutes  
• Fire is not responding, no pilot flame | • No gas supply  
• Air in pilot supply line  
• No spark  
• Reversed polarity in thermocouple wiring  
• Incorrect pilot orifice if valve has been converted from LPG to NG or vice versa |
| F07          | Low battery symbol | Permanent           | • Battery icon flashes on handset display | • Low battery in handset |
| F09          | F09                | 4 sec               | • Fire is not responding  
• No electronic control of fire | • Down arrow button was not pressed during pairing  
• Receiver and handset are not synced |
| F46          | F46                | 4 sec               | • Fire is not responding  
• Intermittent response  
• No electronic control of fire | • No or bad connection between receiver and handset  
• No power at receiver (batteries low)  
• Low communication range (mains adapter faulty, handset not communicating with receiver) |
Appendix C—Wall Switch Operation

The Wall Switch can be used to control your fireplace. You can turn the pilot on or off and you can increase or decrease the flame height. Note that the thermostat and programming functions are not available with the wall switch.

**Turning Appliance ON and OFF**
Press ON-OFF button once to light pilot. Press again to shut off pilot.

**Adjusting Flame Height**
Press and hold large flame button to gradually increase flame height.

Press and hold small flame button to gradually decrease flame height.
Appendix D—HeatShift™ System

HeatShift™ System

Planning Installation: Linear with HeatShift™

Instructions for use with the following Valor Heater Models: 1500, 1600, 1700 and 1800 J or K Incompatible with earlier models: 1500I, 1600I, and 1700I

Application

The HeatShift™ system redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection without use of a fan.

Plenums LKD1, LDK3 or LDK4: the warm air flow is relocated to a position higher up the wall, out the sidewalls, or even to an adjacent room.

Termination Plates LDK7: the warm air flow is discharged through a gap (min. 2-1/2") between the wall above the fireplace and the ceiling. LDK7’s discharge opening must be located in the same room as the fireplace.

The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc.

The 1595CFK or 1595CFKV2 Circulating Fan Kit are not recommended when installing the HeatShift system.

Any kit, LDK1, LDK3, LDK4 or LDK7 may be used with compatible model fireplaces L1, L2 or L3 listed above.

As a further option, the warm airflow may be extracted away from the duct kit plenum (LDK1 and LDK4 ONLY) by connecting a 1270RBK Remote Blower Kit to the duct kit plenum.

This kit is compatible with the listed fireplaces only. Earlier version fireplaces will not accept the addition of this kit.

Note: These instructions are to be used in conjunction with instructions regarding fireplace installation in this manual.

The use of this kit will permit lower mantel clearances to be used—see Combustible Mantel Clearances in this Appendix. These lower mantel clearances must ONLY be used when the HeatShift system is installed and the internal convection baffle has been removed.

Approvals

The LDK1, LDK3, LDK4 and LDK7 duct kits are CSA approved for use only with Valor Series fireplaces listed above—DO NOT use with any other models.

This HeatShift system may also be used to reduce wall surface temperatures on approved outdoor installations.

5-inch diameter duct used with this kit must be metal and meet requirements of UL-181 Class 1 Air Duct. Flexible aluminum duct is acceptable provided it meets the UL-181 Class 1 requirements.

⚠️ WARNING

DO NOT cover or place objects in front of or on top of air outlet(s). AVOID locating outlet within 7 feet above floor level as discharge temperatures are hot!

⚠️ WARNING

When placing discharge close to ceilings, staining or streaking may occur on light colored ceilings due to any dust, etc. in air flow; placing plenum(s) lower on the wall will help reduce the possibility of staining or streaking.

⚠️ WARNING

All fireplaces listed above require the removal of the internal convection baffle for this system to function properly—read instructions carefully!
Appendix D—HeatShift™ System

Kits
There are 4 kits to choose from:
- LDK1—48” Plenum
- LDK3—14” Plenums (2), includes grilles
- LDK4—38” Plenum
- LDK7—Duct Termination Plates (2)—for wall valance discharge ONLY

Kits Contents

LDK1
48” x 2”
4 take-off collars included

LDK4
38” x 2”
4 take-off collars included

LDK3
2 - 14” x 6”
4 take-off collars included

LDK7
2 Duct termination plates
4 take-off collars included

2 - 14” x 6” grilles included, white
Appendix D—HeatShift™ System

Optional accessories
- LDK2—48” Finishing Frame, to use with LDK1
- LDK5—38” Finishing Frame, to use with LDK4
- LDK6—5” dia Aluminum 2-ply Flex Kit—
  2 x 10’-0” lengths, may be cut to required length

Kits Contents

LDK2 (supplied separately)
48” frame, white

LDK5 (supplied separately)
38” frame, white

LDK6
2 - 10’ x 5” (aluminum flex)
Appendix D—HeatShift™ System

Suggested Configurations  Not to scale

Front wall outlet using LDK1 or LDK4

Rear wall outlet using LDK1 or LDK4
Note: Fireplace vent may conflict with plenum. Offset vent around plenum.

Side wall outlets using LDK3

Rear wall outlets using LDK3

Note: Vertical venting straight off 1600K heater will NOT clear 38" (LDK4) or 48" (LDK1) plenums without offsetting vent around plenum.

Note: Take-off collars staggered, 2 per side

Centerline of heater and plenum

1600K L1 see-thru using LDK1 or LDK4

Note - When using LDK7, the discharge opening must be located in the same room as the fireplace.

With LDK7

Corner installations

WARNING
The plenum duct kits are approved for horizontal discharge ONLY. The termination duct plates are approved for vertical upward discharge ONLY. DO NOT install plenum or termination plates in floor or ceiling. DO NOT COVER OR PLACE objects in front of or on top of air outlet(s). AVOID locating outlet within 7 feet of the floor level as discharge air temperatures are hot!

DO NOT DISCHARGE THROUGH EXTERIOR WALLS!

NOTE This duct kit may also be used for outdoor installations where reduced wall surface temperatures above the unit are desired. The discharge grilles must be located under the weatherproof enclosure described in the GV60CKO Outdoor Fireplace Conversion Kit instructions.
Appendix D—HeatShift™ System

Overview (applies to LKD1, LDK3 and LDK4 kits)

Flexible or rigid, 5” diameter UL-181, Class 1 Air Duct (4) (use LDK6 kit or equivalent)

Min. 2-1/2” clearance to ceiling

Min. 1” clearance to combustibles around pipe

Min. 30”, Max. 12'-0” See table for offsets

Ceiling

Linear 32-3/8”
LX2 33-1/4”

Linear 14-1/2”
LX2 17”

Linear 8-1/2”
LX2 5-1/4”

Linear 9-3/8”
LX2 11”

Ceiling

Min. 1” clearance to combustibles around pipe

Min. 2-1/2” clearance to ceiling

Min. 30”, Max. 12'-0” See table for offsets
Appendix D—HeatShift™ System

Overview (applies to LDK7)

Flexible or rigid, 5" diameter UL-181, Class 1 Air Duct (4) (use LDK6 kit or equivalent)

Min. 1" clearance to combustibles around pipe

Min. 2-1/2" opening required at ceiling

Ceiling

Min. 14"

Min. 30", Max. 12'-0" See table for offsets

8-1/2"

14-1/2"

32-3/8"

9-3/8"

NOTE Discharge opening must be located in the same room as fireplace when using LDK7.
Appendix D—HeatShift™ System

<table>
<thead>
<tr>
<th>Vertical Rise</th>
<th>Max. Allowable Horizontal Offset</th>
</tr>
</thead>
<tbody>
<tr>
<td>30&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>36&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>42&quot;</td>
<td>48&quot;</td>
</tr>
<tr>
<td>48&quot;</td>
<td>60&quot;</td>
</tr>
<tr>
<td>54&quot;</td>
<td>72&quot;</td>
</tr>
<tr>
<td>60&quot;</td>
<td>84&quot;</td>
</tr>
<tr>
<td>66&quot;</td>
<td>96&quot;</td>
</tr>
<tr>
<td>12'-0&quot;</td>
<td>96&quot; Max.</td>
</tr>
</tbody>
</table>

With Plenum

- Vertical Rise 'Y' (Min. 30" Max. 12'-0")
- Maximum allowable Horizontal Offset 'X' (offset for take-off that's furthest away)
- Support horizontal sections of pipe using strapping every 24"
- Min. bend radius
- Min. 2-1/2" opening required at ceiling
- DO NOT RUN pipe horizontal. Minimum slope 4:12
- Min. 1" clearance to combustibles around pipes
- Top of fireplace
- Ceiling

With Plates

- Vertical Rise 'Y' (Min. 30" Max. 12'-0")
- Maximum allowable Horizontal Offset 'X' (offset for take-off that's furthest away)
- Support horizontal sections of pipe using strapping every 24"
- Min. bend radius
- Min. 2-1/2" opening required at ceiling
- DO NOT RUN pipe horizontal. Minimum slope 4:12
- Min. 1" clearance to combustibles around pipes
- Top of fireplace
- Ceiling
Appendix D—HeatShift™ System

Plenum Dimensions

**LDK 1**

Top View

Front View

Right Side View

**LDK 4**

Top View

Front View

Right Side View
Appendix D—HeatShift™ System

Plenum Dimensions (cont’d)

LDK 3

LDK7 Plates Dimensions
Appendix D—HeatShift™ System

Rough Frame Openings

LDK 1 = 49"
LDK 4 = 39"

LDK 3 = 15"

Framing on edge

Min. 1” below finished ceiling

Top of plenum support

LDK 1 = 13"
LDK 4 = 11"

Framing on edge

Min. 1/2” clearance to combustibles at ends

See appliance’s installation for minimum combustible cavity dimensions

Note - Min. cavity dimensions may be dictated by LDK plenum when installing across corners.

LDK 1 & LDK 4

LDK 3

Framing and Clearances—Plenums, front view

Rough Frame Opening

LDK 1 = 49"
LDK 4 = 39"
LDK 3 = 15"

Rough Frame Opening
LDK 1 = 4"
LDK 4 = 4"
LDK 3 = 8”

See detail
Appendix D—HeatShift™ System

Framing and Clearances—Plenums, side view

**LDK 1 & 4**

- Framing "on edge" 1-1/2" min. clearance to combustibles (top)
- 2" min. clearance to combustibles (use steel stud for LX2 appliances)
- Ceiling: Min. 2-1/2" clearance to ceiling
- 1/2" min. clearance to combustibles rear & sides
- 1" min. clearance to pipes all around pipes
- Plenum support (wood): Maintain 1" clearance to pipes

**LDK 3**

- Framing "on edge" 1-1/2" min. clearance to combustibles (top)
- 2" min. clearance to combustibles (use steel stud for LX2 appliances)
- Ceiling: Min. 2-1/2" clearance to ceiling
- 1/2" min. clearance to combustibles rear & sides
- 1" min. clearance to combustibles all around pipes
- Plenum support (wood): Maintain 1" clearance to pipes
Appendix D—HeatShift™ System

Wall Valance Discharge Opening using LDK7—Duct Termination Plates

Minimum length of opening, front and sides:
- L1 & H5 - 1500 = 40"
- L2 & H6 - 1700 = 50"
- L3 - 1800 = 64"

Continuous ceiling required within cavity

Plate stand-off

2 x 4 on edge to support plates as necessary - maintain 1” clearance to pipes

Min. 1” clearance around pipes

Vertical vent can pass between duct termination plates

2-1/2” min

14” min.

Wall finish required to form plenum above duct termination plates

Combustible wall construction

LDK 7 - Duct Termination Plates (2) for horizontal installation ONLY!

Top of stand-offs

See installation manual packed with appliance for minimum combustible cavity dimensions

Non-combustible cement board

Continuous ceiling

See clearances to combustibles next page

Note: Staining or streaking may occur on light colored ceilings due to any dust, etc. in air flow. Maximizing the opening size will help reduce any staining or streaking.
Appendix D—HeatShift™ System

LDK7 Clearances to Combustibles

Perimeter of plates may be trimmed to suit installation.

Stand-off

Non-combustible zone above plates

5" dia. pipes - maintain 1" clearance to combustible materials

Combustible framing allowed below plates

Front View

Right Side View
Appendix D—HeatShift™ System

LDK Duct Kit LDK 1, LDK 4 with optional 1270RBK Remote Blower Kit (not approved with outdoor installations)

Universal take-off supplied with 1270RBK kit. Can mount to either end of plenum. Maximum 1 x 1270RBK kit per plenum. Note: DO NOT CONNECT 1270RBK directly to fireplace when using LDK Duct Kit; connect to LDK plenum ONLY as this will ensure cooler wall temperature whether or not the 1270 fan is running.

See installation instructions packaged with the LDK Duct Kits

1270RBK fan unit - see diagram for possible mounting positions. May be positioned higher or lower than LDK plenum position.

Linear 1500J, 1600J, 1700J, 1800J fireplaces
Linear 1500K, 1600K, 1700K, 1800K fireplaces
Appendix D—HeatShift™ System

COMBUSTIBLE Mantel Clearances Linear appliances (when using HeatShift System ONLY)

Sidewall clearances remain as stated in this installation manual.

⚠️ WARNING
RISK OF OVERHEATING AND FIRE! Ensure HeatShift installation is complete AND internal convection baffle is removed (see HeatShift installation) when using these combustible mantel clearances.

NOTE: These Mantel Clearances apply ONLY when LDK Duct system is installed.

Combustible materials must be kept behind this line.

Combustible wall finish up to 1” thick may be installed over cement board and butt up to the 1” trim all around the opening. DO NOT COVER THE TRIM.

4” minimum to combustible hearth.

Cement board as specified in installation manual packed with appliance.

1” Trim

Max. 6” non-combustible projection allowed top and bottom, at edge of 1” trim. Only allowed when using LDK Duct kit.

NON-COMBUSTIBLE Flush Hearth/Mantel Projections (when using HeatShift System ONLY)
Appendix D—HeatShift™ System

Remove Convection Baffle
To be effective the LDK Duct Kit requires that a convection baffle located above the firebox inside the appliance case be removed to allow the hot airflow to convect upwards into ducts installed on the fireplace.

Remove the convection baffle from the appliance. It is held in place by screws located right behind the upper edge of the fireplace opening (3 screws/baffle). Recycle this panel as it is no longer needed.
Appendix D—HeatShift™ System

Install HeatShift Take-Off Collars to Appliance

1. Remove the four cover plates on top of the appliance case (6 screws each).

2. Install the collars on the holes on top of the appliance’s case (6 screws each).

**WARNING**

All FOUR (4) takeoffs MUST BE CONNECTED TO PLENUM(S).

**WARNING**

DO NOT INSTALL 1270RBK Remote Blower Kit to any of these 4 takeoffs.
Install Plenum Kits (LDK1, LDK3 & LDK4)—see next page for LDK7 Duct Termination Plates

1. Frame a rough opening at the desired location—see earlier sections of this manual for allowable plenum positions and rough frame opening sizes.

2. Install top mounting bracket(s) to the plenum using screws provided (use the short sheet metal screws provided otherwise the screw tails (ends) will interfere with the finishing frame when installed).

3. Install the plenum(s) into the rough frame opening maintaining minimum clearances to combustibles as listed—see page 10. Fix the plenum to the framing using nails or screws through the top mounting bracket. **Note that the mounting brackets are not intended to carry the weight of the plenum and pipes. Provide support to the underside of the plenum and ensure the plenum is level and its outlet is not distorted (see detail on page 11).** Use metal strapping (all-round, not supplied) as required to further secure the plenum to framing.

4. Attach one section of UL-181, Class 1 approved air duct to each of the collars and secure it with gear clamps provided. **DO NOT SPLICE DUCTS!**

5. Attach the top of the pipe sections to the plenum securing them with the gear clamps provided. An upward slope must be maintained in horizontal sections of pipes for proper convection. Use straps as necessary to maintain the pipes positions. Support horizontal sections every 24 inches.

6. Paint the inside surfaces of the plenum using high-temperature flat black spray paint for installations where the inside of the plenums may be visible.

**Note:** The flanges of the white finishing frame (when used) will insert approximately 1-1/4" into the plenum covering the shiny sheet metal.

7. Install the finishing frame or louver to the plenum after the wall finish is completed:
   - **LDK1, LDK4:** Use the LDK2 or LDK5 depending of the length of the plenum.
   - **LDK3:** Use the grilles provided with the kit.

   **Note:** The frame/louver are finished white but may be painted another color if desired; use high-temperature paint (250°F). You may also finish up to the perimeter of the plenum opening with your material of choice and not use the frame or louver. Do not finish over any of the opening in the plenum outlet.

8. Continue with the fireplace installation.
Install Duct Termination Plates (LKD7) —see previous page for LDK1, LDK3 & LDK4 Plenum kits

1. Frame a rough opening and platform at the desired location—see earlier sections of this manual for allowable duct termination plates positions and rough frame opening sizes.

2. On each duct termination plate, rotate both stand-offs to the vertical position and secure in place using screws provided.

3. Install the termination plates into the framing ensuring collars/pipes on underside of plates maintain 1 inch clearance to combustibles and clearance to combustible above the plates are maintained as listed on page 13.

   The termination plates perimeter may be trimmed as necessary to accommodate framing. Secure the termination plate to framing using screws or nails to avoid movement.

4. Attach one section of UL-181, Class 1 approved air duct to each of the collars and secure it with gear clamps provided. **DO NOT SPLICE DUCTS!**

5. Attach the top of the pipe sections to the duct termination plates securing them with the gear clamps provided. An upward slope must be maintained in horizontal sections of pipes for proper convection. Use straps as necessary to maintain the pipes positions. Support horizontal sections every 24 inches.

6. Continue with the fireplace installation.

---

### Repair Parts List

<table>
<thead>
<tr>
<th>Description</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDK1 48” Quad Hot Air Plenum Kit</td>
<td></td>
</tr>
<tr>
<td>48” x 2” quad plenum</td>
<td>4005476</td>
</tr>
<tr>
<td>5” take-off collars (4)</td>
<td>4005478</td>
</tr>
<tr>
<td>Top mounting bracket/standoffs</td>
<td>4007211</td>
</tr>
<tr>
<td>#8 slotted drive screws 1/4” (7)</td>
<td>798601</td>
</tr>
<tr>
<td>LDK2 48” Outlet Frame Kit for LDK1</td>
<td></td>
</tr>
<tr>
<td>Aux Frame-SPL 48” x 2” white</td>
<td>4005612</td>
</tr>
<tr>
<td>LDK3 14” Double Hot Air Plenums Kits</td>
<td></td>
</tr>
<tr>
<td>14” x 6” double plenums (2)</td>
<td>4005464</td>
</tr>
<tr>
<td>5” take-off collars (4)</td>
<td>4005478</td>
</tr>
<tr>
<td>DABL-00-C-SPL 14” x 6” Grilles white (2)</td>
<td>4005614</td>
</tr>
<tr>
<td>Top mounting bracket/standoffs (2)</td>
<td>4005566</td>
</tr>
<tr>
<td>#8 slotted drive screws 1/4” (6)</td>
<td>798601</td>
</tr>
<tr>
<td>LDK4 38” Quad Hot Air Plenum Kit</td>
<td></td>
</tr>
<tr>
<td>38” x 2” quad plenum</td>
<td>4005477</td>
</tr>
<tr>
<td>5” take-off collars (4)</td>
<td>4005478</td>
</tr>
<tr>
<td>Top mounting bracket/standoffs</td>
<td>4007213</td>
</tr>
<tr>
<td>#8 slotted drive screws 1/4” (7)</td>
<td>798601</td>
</tr>
<tr>
<td>LDK5 38” Outlet Frame Kit for LDK4</td>
<td></td>
</tr>
<tr>
<td>Aux Frame-SPL 38” x 2” white</td>
<td>4005613</td>
</tr>
<tr>
<td>LDK6 5” Aluminum 2-ply Flex Kit</td>
<td></td>
</tr>
<tr>
<td>5” dia 10’ (uncompressed) aluminum chimney liners (2)</td>
<td>4005635</td>
</tr>
<tr>
<td>4.5” - 6.5” ss gear clamps (8)</td>
<td>4005642</td>
</tr>
<tr>
<td>LDK7 Duct Termination Plates</td>
<td></td>
</tr>
<tr>
<td>Plate and collar assembly (2)</td>
<td>4006747</td>
</tr>
<tr>
<td>5” take-off collars (4)</td>
<td>4005478</td>
</tr>
<tr>
<td>Screws 8 x 3/8 tap PN HD PH (12)</td>
<td>100A757</td>
</tr>
</tbody>
</table>

Each LDK kit is sold separately.
Appendix D—HeatShift™ System

LDK1

LDK2

LDK3

LDK4

LDK5

LDK6

LDK7
## Appendix E—Spare Parts

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Heat shield</td>
<td>4003049</td>
</tr>
<tr>
<td>2</td>
<td>45 degrees flanged elbow</td>
<td>0945M</td>
</tr>
<tr>
<td>3</td>
<td>Elbow gasket</td>
<td>4002999</td>
</tr>
<tr>
<td>4</td>
<td>Restrictor plate</td>
<td>4003017</td>
</tr>
<tr>
<td>5</td>
<td>Top stand-offs (4)</td>
<td>4002985</td>
</tr>
<tr>
<td>6</td>
<td>Side stand-offs (4)</td>
<td>4003527</td>
</tr>
<tr>
<td>7</td>
<td>Take-off cover</td>
<td>4003046</td>
</tr>
<tr>
<td>8</td>
<td>Cover plates (4)</td>
<td>4005409</td>
</tr>
<tr>
<td>9</td>
<td>Convection baffles (2)</td>
<td>4005402</td>
</tr>
<tr>
<td>10</td>
<td>RH Window latch assembly (2)</td>
<td>4002766</td>
</tr>
<tr>
<td>11</td>
<td>LH Window latch assembly (2)</td>
<td>4002770</td>
</tr>
<tr>
<td>12</td>
<td>Window assembly (2)</td>
<td>4002754X</td>
</tr>
<tr>
<td>13</td>
<td>Hot glass warning plate (2)</td>
<td>4003093</td>
</tr>
<tr>
<td>14</td>
<td>Strain relief</td>
<td>4006548</td>
</tr>
<tr>
<td>15</td>
<td>Electrical box access plate - outer</td>
<td>4007973</td>
</tr>
<tr>
<td>16</td>
<td>Electrical box cover - inner</td>
<td>4007971</td>
</tr>
<tr>
<td>17</td>
<td>Power receptacle</td>
<td>4006368</td>
</tr>
<tr>
<td>18</td>
<td>Top liner panel</td>
<td>4003522</td>
</tr>
<tr>
<td>19</td>
<td>Top panel support (2)</td>
<td>4003523</td>
</tr>
<tr>
<td>20</td>
<td>Black steel platform</td>
<td>4004885AH</td>
</tr>
<tr>
<td>21</td>
<td>Platform supports (2)</td>
<td>4002908</td>
</tr>
<tr>
<td>22</td>
<td>Burner end location bracket</td>
<td>4002903</td>
</tr>
<tr>
<td>23</td>
<td>Burner</td>
<td>4007084AH</td>
</tr>
<tr>
<td>24</td>
<td>Burner module assembly (natural gas)</td>
<td>4007083</td>
</tr>
<tr>
<td></td>
<td>Burner module assembly (propane gas)</td>
<td>4007735</td>
</tr>
<tr>
<td>25</td>
<td>Pilot shield</td>
<td>4003018AH</td>
</tr>
<tr>
<td>26</td>
<td>Pilot complete assembly (natural gas)</td>
<td>4006738</td>
</tr>
<tr>
<td></td>
<td>Pilot complete assembly (propane gas)</td>
<td>4006739</td>
</tr>
<tr>
<td>27</td>
<td>Pilot plug</td>
<td>4000726</td>
</tr>
<tr>
<td>28</td>
<td>Pilot sub-assembly #51 (natural gas)</td>
<td>4000727</td>
</tr>
<tr>
<td></td>
<td>Pilot sub-assembly #30 (propane gas)</td>
<td>4000728</td>
</tr>
<tr>
<td>29</td>
<td>Thermocouple</td>
<td>4000061</td>
</tr>
<tr>
<td>30</td>
<td>Pilot injector #51 (natural gas)</td>
<td>4000735</td>
</tr>
<tr>
<td></td>
<td>Pilot injector #30 (propane gas)</td>
<td>4000736</td>
</tr>
<tr>
<td>31</td>
<td>Pilot tube</td>
<td>4000732</td>
</tr>
<tr>
<td>32</td>
<td>Pilot hood 2-flame</td>
<td>4000730</td>
</tr>
<tr>
<td>33</td>
<td>Extended nut</td>
<td>4001855</td>
</tr>
<tr>
<td>34</td>
<td>Electrode</td>
<td>4001856</td>
</tr>
<tr>
<td>35</td>
<td>Pilot gaskets (2)</td>
<td>4000715</td>
</tr>
<tr>
<td>36</td>
<td>Pilot mount</td>
<td>4006907</td>
</tr>
<tr>
<td>37</td>
<td>Burner mounting bracket</td>
<td>4006918</td>
</tr>
<tr>
<td>38</td>
<td>Burner mount</td>
<td>4007223</td>
</tr>
<tr>
<td>39</td>
<td>Air shutter stopper</td>
<td>4008004</td>
</tr>
<tr>
<td>40</td>
<td>Orifice/aeration block</td>
<td>4007702</td>
</tr>
<tr>
<td></td>
<td>Description</td>
<td>Part No</td>
</tr>
<tr>
<td>41</td>
<td>Gas orifice #36 (natural gas)</td>
<td>4007000-36</td>
</tr>
<tr>
<td></td>
<td>Gas orifice #52 (propane gas)</td>
<td>4007000-52</td>
</tr>
<tr>
<td>42</td>
<td>Brass socket head pipe plug</td>
<td>4008003</td>
</tr>
<tr>
<td>43</td>
<td>Block/pipe connector</td>
<td>4006689</td>
</tr>
<tr>
<td>44</td>
<td>Air shutter</td>
<td>4007748</td>
</tr>
<tr>
<td>45</td>
<td>Aeration lever</td>
<td>4007225</td>
</tr>
<tr>
<td>46</td>
<td>Burner module plate</td>
<td>4006916</td>
</tr>
<tr>
<td>47</td>
<td>Gaskets module plate, long (2)</td>
<td>3000400</td>
</tr>
<tr>
<td>48</td>
<td>Gaskets module plate, short (2)</td>
<td>3000399</td>
</tr>
<tr>
<td>49</td>
<td>Valve to elbow pipe assembly</td>
<td>4006923</td>
</tr>
<tr>
<td>50</td>
<td>Pipe s/s flex</td>
<td>4000345</td>
</tr>
<tr>
<td>51</td>
<td>Thermocouple interrupter</td>
<td>4001037</td>
</tr>
<tr>
<td>52</td>
<td>GV60 valve assembly (natural gas)</td>
<td>4007995X</td>
</tr>
<tr>
<td></td>
<td>GV60 valve assembly (propane gas)</td>
<td>4003118X</td>
</tr>
<tr>
<td>53</td>
<td>Valve mount</td>
<td>4002905</td>
</tr>
<tr>
<td>54</td>
<td>Yellow cable to interrupter</td>
<td>4002096</td>
</tr>
<tr>
<td>55</td>
<td>Red cable to interrupter</td>
<td>4001035</td>
</tr>
<tr>
<td>56</td>
<td>Ignition cable sleeve 530 mm</td>
<td>4002244</td>
</tr>
<tr>
<td>57</td>
<td>Ignition cable 500 mm</td>
<td>4001039</td>
</tr>
<tr>
<td>58</td>
<td>Wire harness GV60</td>
<td>4001187</td>
</tr>
<tr>
<td>59</td>
<td>Receiver (Valor 10 two way)</td>
<td>4005597</td>
</tr>
<tr>
<td>60</td>
<td>Handset wall holder</td>
<td>4004459</td>
</tr>
<tr>
<td>61</td>
<td>Valor 10 Handset</td>
<td>4007548</td>
</tr>
<tr>
<td>62</td>
<td>Remote battery &amp; Wall switch kit</td>
<td>RBWSK</td>
</tr>
<tr>
<td>62a</td>
<td>Junction box</td>
<td>4005527</td>
</tr>
<tr>
<td>62b</td>
<td>Cover plate &amp; 4 screws</td>
<td>4005526</td>
</tr>
<tr>
<td>62c</td>
<td>Battery holder</td>
<td>4005525</td>
</tr>
<tr>
<td>62d</td>
<td>Cable tie</td>
<td>4005524</td>
</tr>
<tr>
<td>62e</td>
<td>Harness assembly</td>
<td>4005523</td>
</tr>
<tr>
<td>62f</td>
<td>Plate with magnets</td>
<td>4005391</td>
</tr>
<tr>
<td>62g</td>
<td>Long screws (2)</td>
<td>4001444</td>
</tr>
<tr>
<td>62h</td>
<td>Wall switch with 2 screws</td>
<td>4005522</td>
</tr>
<tr>
<td>62i</td>
<td>Battery cover assembly</td>
<td>4005390</td>
</tr>
<tr>
<td>63</td>
<td>Black fluted liner set</td>
<td>1615FBL</td>
</tr>
<tr>
<td>64</td>
<td>Side fluted panels (2)</td>
<td>4003521</td>
</tr>
<tr>
<td>65</td>
<td>Reflective glass panel kit</td>
<td>1625RGL</td>
</tr>
<tr>
<td>66</td>
<td>Side glass panels (2)</td>
<td>4003536</td>
</tr>
<tr>
<td>67</td>
<td>Anchor brackets</td>
<td>4006594AH</td>
</tr>
<tr>
<td>68</td>
<td>Decorative Glass Murano</td>
<td>1500DGM</td>
</tr>
<tr>
<td>69</td>
<td>Glass panel</td>
<td>4002869</td>
</tr>
<tr>
<td>70</td>
<td>Classic 1/2&quot; clear fireglass</td>
<td>4004521</td>
</tr>
</tbody>
</table>
## Appendix E—Spare Parts

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birch Log Kit</td>
<td>21000DKW</td>
</tr>
<tr>
<td>Driftwood #2965</td>
<td>4002965</td>
</tr>
<tr>
<td>Driftwood #2967</td>
<td>4002967</td>
</tr>
<tr>
<td>Driftwood #3720</td>
<td>4003720</td>
</tr>
<tr>
<td>Driftwood #2939</td>
<td>4002939</td>
</tr>
<tr>
<td>Driftwood #2966</td>
<td>4002966</td>
</tr>
<tr>
<td>Brown beach pebble</td>
<td>4003082</td>
</tr>
<tr>
<td>Grey beach pebble</td>
<td>4003083</td>
</tr>
<tr>
<td>Small grey beach pebble</td>
<td>4003086</td>
</tr>
<tr>
<td>White beach pebble</td>
<td>4003084</td>
</tr>
<tr>
<td>Black beach pebble</td>
<td>4003085</td>
</tr>
<tr>
<td>Small beige beach pebbles (2)</td>
<td>4003087</td>
</tr>
<tr>
<td>Grade 1A vermiculite, bagged (5.5 cups)</td>
<td>4002940</td>
</tr>
<tr>
<td>Rocks &amp; Shale Set</td>
<td>1514RSS</td>
</tr>
<tr>
<td>LH twig</td>
<td>4001827</td>
</tr>
<tr>
<td>LH twig - short (2)</td>
<td>4001827S</td>
</tr>
<tr>
<td>RH twig (2)</td>
<td>4001828</td>
</tr>
<tr>
<td>Grey Rock S4-A (6)</td>
<td>4002338</td>
</tr>
<tr>
<td>Dark Grey Rock S4-A (4)</td>
<td>4002339</td>
</tr>
<tr>
<td>Grey Rock S4-B (4)</td>
<td>4002340</td>
</tr>
<tr>
<td>Dark Grey Rock S4-B (6)</td>
<td>4002341</td>
</tr>
<tr>
<td>No 7 Grey 5 Matte pitted rock</td>
<td>4002650</td>
</tr>
<tr>
<td>No 9 Grey 5 Matte rock (2)</td>
<td>4002652</td>
</tr>
<tr>
<td>No 11 Grey 3 Matte rock (2)</td>
<td>4002654</td>
</tr>
<tr>
<td>No 14 Grey 9 Gloss rock</td>
<td>4002657</td>
</tr>
<tr>
<td>No 16 Warm Grey 3 Gloss pitted rock (2)</td>
<td>4002659</td>
</tr>
<tr>
<td>No 17 Grey 5 Gloss pitted rock</td>
<td>4002660</td>
</tr>
<tr>
<td>Shale 3/4&quot; - grey, black 0.5lb ea</td>
<td>4004792</td>
</tr>
<tr>
<td>Split Wood Kit</td>
<td>15000SWK</td>
</tr>
<tr>
<td>Small embers, bagged</td>
<td>4006134</td>
</tr>
<tr>
<td>Split Wood Logs</td>
<td>4006196</td>
</tr>
<tr>
<td>Log #1</td>
<td>4006122</td>
</tr>
<tr>
<td>Log #2</td>
<td>4006123</td>
</tr>
<tr>
<td>Log #3</td>
<td>4006124</td>
</tr>
<tr>
<td>Log #4</td>
<td>4006125</td>
</tr>
<tr>
<td>Log #7</td>
<td>4006128</td>
</tr>
<tr>
<td>Log #8</td>
<td>4006129</td>
</tr>
<tr>
<td>Log #9</td>
<td>4006130</td>
</tr>
<tr>
<td>Log #10</td>
<td>4006131</td>
</tr>
<tr>
<td>Log #11</td>
<td>4006132</td>
</tr>
</tbody>
</table>
Appendix E—Spare Parts