Installation Manual
Installation and Fireplace Setup

INSTALLER: Leave this manual with party responsible for use and operation.
OWNER: Retain this manual for future reference.

NOTICE: DO NOT discard this manual!

Model(s):
ODVILLAG-36T  ODVILLAG-36H
ODVILLAG-42T  ODVILLAG-42H

OUTDOOR DECORATIVE GAS APPLIANCE

WARNING

HOT SURFACES!
Glass and other surfaces are hot during operation AND cool down.
Hot glass will cause burns.
• DO NOT touch glass until it is cooled
• NEVER allow children to touch glass
• Keep children away

• CAREFULLY SUPERVISE children in same area as fireplace.
• Alert children and adults to hazards of high temperatures.
High temperatures may ignite clothing or other flammable materials.
• Keep clothing, furniture, draperies and other flammable materials away.

DANGER
If you smell gas:
1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.

WARNING
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING: For outdoor use only.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

This appliance is only for use with the type(s) of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

NOT for use with solid wood fuel.

CARBON MONOXIDE HAZARD
This appliance can produce carbon monoxide which has no odor.
Using it in an enclosed space can kill you.
Never use this appliance in an enclosed space such as a camper, tent, car or home.
Safety Alert Key:

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

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ATTENTION INSTALLER:  
Follow this Standard Work Checklist

This standard work checklist is to be used by the installer in conjunction with, not instead of, the instructions contained in this installation manual.

<table>
<thead>
<tr>
<th>Customer:</th>
<th>Date Installed:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot/Address</td>
<td>Location of Appliance</td>
</tr>
<tr>
<td>Installer:</td>
<td>Dealer/Distributor Phone #</td>
</tr>
</tbody>
</table>

Model (circle one):  
- ODVILLAG-36T  
- ODVILLAG-36H  
- ODVILLAG-42T  
- ODVILLAG-42H

WARNING! Risk of Fire or Explosion! Failure to install fireplace according to these instructions can lead to a fire or explosion.

### Appliance Install
- The enclosure is sealed. (Pg. 8)  
- Required non-combustible board is installed (if applicable). (Pg. 13)  
- Verified clearances to combustibles. (Pg. 10)  
- Appliance is leveled and secured. (Pg. 12)

### Finishing Section 6 (Pg. 16)
- Combustible materials not installed in non-combustible areas.  
- Verified all clearances meet installation manual requirements.  
- Mantels and wall projections comply with installation manual requirements.

### Appliance Setup Section 7 (Pg. 18)
- All packaging and protective materials removed.  
- Refractory, logs, media and embers installed correctly.  
- Optional mesh doors properly installed.  
- Manual bag and all of its contents are removed from the fireplace and given to the party responsible for use and operation.  
- Started appliance and verified no gas leaks exist.

### Hearth & Home Technologies recommends the following:
- Photographing the installation and copying this checklist for your file.  
- That this checklist remain visible at all times on the fireplace until the installation is complete.

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

---

Comments communicated to party responsible by (Builder/Gen. Contractor) on (Date)  
(Installer) on (Date)
Read this manual before installing or operating this fireplace. 
Please retain this owner’s manual for future references.

A. Congratulations

Congratulations on selecting a Outdoor Lifestyles decorative gas appliance. The HHT gas appliance you have selected is designed to provide the utmost in safety and reliability.

As the owner of a new gas appliance, you’ll want to read and carefully follow all of the instructions contained in this Owner’s Manual. Pay special attention to all Cautions and Warnings.

This Owner’s Manual should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

Your new Outdoor Lifestyles decorative gas appliance will give you years of durable use and trouble-free enjoyment.

Outdoor Lifestyles is a registered trademark of Hearth & Home Technologies.

Listing Label Information/Location

The model information regarding your specific fireplace can be found on the rating plate usually located in the control area of the fireplace.

This appliance must be installed in accordance with local codes, if any; if not, follow ANSI Z223.1 in the USA installation codes.

This product is covered by one or more of the following patents: (Nos produits sont couverts par un ou plusieurs des brevets suivants)

(United States) 4,112,913; 4,408,594; 4,422,426; 4,424,792; 4,520,791; 4,793,322; 4,852,548; 4,875,464; 5,000,162; 5,016,609; 5,076,254; 5,191,877; 5,218,953; 5,328,356; 5,429,495; 5,452,708; 5,542,407; 5,613,487; (Australia) 543790; 586383; (Canada) 1,123,296; 1,297,746; 2,195,264; (Mexico) 97-0457; (New Zealand) 200265; or other U.S. and foreign patents pending (ou autres brevets américains et étrangers en attente).

WARNING! Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner’s information manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

WARNING! DO NOT store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance. An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

4072-166A

MADE IN USA

ODVILLAG-36T

ODVILLAG-36H

ODVILLAG-42T

ODVILLAG-42H
Outdoor Lifestyles by Hearth & Home Technologies™

Warranty

Hearth & Home Technologies ("HHT") extends the following warranty for all Outdoor Lifestyles by HHT™ brand products ("Products") that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:
HHT warrants to the original owner of the Product at the site of installation, and to any transferee taking ownership of the Product at the site of installation within one year following the date of original purchase, that the Product will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:
The warranty period runs for one year, beginning on the earlier of: (i) the date of invoice for the Product; (ii) in the case of new home construction, the date of first occupancy of the residence or six months after the date of sale of the Product by an HHT authorized dealer, whichever occurs first; or (iii) the date 24 months following the date of Product shipment from HHT, regardless of the invoice or occupancy date.

WARRANTY CONDITIONS:
- This warranty only covers Products that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the Product remains at the site of original installation.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the Product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.

WARRANTY EXCLUSIONS:
This warranty does not cover the following:
- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur; this is not a flaw and not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period. These parts include: paint, firebricks, grates, flame guides and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.
• Damages resulting from: (1) failure to install, operate, or maintain the Product in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the Product; (2) failure to install the Product in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or incorrectly performed repairs; (5) inadequate ventilation, negative pressure or environmental conditions, including, without limitation: hail, snow, ice, fallen branches, flooding, water damage and fading of color; (6) use of fuels other than those specified in the operating instructions; (7) installation or use of components not supplied with the Product or any other components not expressly authorized and approved by HHT; (8) modification of the Product not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the Product.

• Non-HHT venting components, hearth components or other accessories used in conjunction with the Product.

• Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.

• The Product’s capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to the Product’s location and configuration and environmental conditions.

This warranty is void if:

• The Product has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes and cracking or spalling of refractory or cementitious materials.

• The Product is subjected to prolonged periods of dampness, condensation, ice or snow.

• There is any damage to the Product or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

LIMITATIONS OF LIABILITY:

Repair or replacement in accordance with the provisions of this warranty will be the owner’s exclusive remedy for and will constitute HHT’s sole obligation under this warranty, under any other warranty (express or implied), or in contract, tort or otherwise; provided, however, that if HHT is unable to provide repair or replacement in an expedient and cost effective manner, HHT may discharge all such obligations by refunding the purchase price of the Product. No employee, agent, dealer, or other person is authorized to give any warranty on behalf of HHT. TO THE EXTENT ALLOWED BY LAW, HHT MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. HHT WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF DEFECTS IN OR USE OF THE PRODUCTS. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you also may have other rights, which vary from state to state. The duration of any implied warranty is limited to the duration of the warranty period specified herein.
2 Product Specific & Important Safety Information

A. Appliance Certification

MODELS: ODVILLAG-36T, ODVILLAG-36H, ODVILLAG-42T, ODVILLAG-42H
LABORATORY: Underwriters Laboratories Inc. (UL)
TYPE: Outdoor Decorative Gas Appliance

This product is listed to ANSI standards for outdoor decorative gas appliances.
Outdoor Lifestyles is a registered trademark of Hearth & Home Technologies.

When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or International Fuel Gas Code.

B. BTU Specifications

This appliance is listed for use with the outdoor decorative hearth kit supplied.

Maximum allowable BTU ratings:

<table>
<thead>
<tr>
<th>Unit</th>
<th>Max BTU/HR</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODVILLAG-36</td>
<td>40,000</td>
</tr>
<tr>
<td>ODVILLAG-42</td>
<td>42,000</td>
</tr>
</tbody>
</table>

When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or International Fuel Gas Code.

When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or International Fuel Gas Code.

C. Non-Combustible Materials

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

D. Combustible Materials

- Materials made of or surfaced with any of the following materials:
  - Wood
  - Compressed paper
  - Plant fibers
  - Plastic
  - Plywood/OSB
  - Sheet rock (drywall)
- Any material that can ignite and burn; flame proofed or not, plastered or un-plastered

E. High Altitude Installations

NOTICE: If the heating value of the gas has been reduced, these rules do not apply. Check with your local gas utility or authorities having jurisdiction.

When installing above 2000 feet elevation:
- In the USA: Reduce input rate 4% for each 1000 feet above 2000 feet.
- In CANADA: Input ratings are certified without a reduction of input rate for elevations up to 4500 feet (1370 m) above sea level. Please consult provincial and/or local authorities having jurisdiction for installations at elevations above 4500 feet (1370 m).

Check with your local gas utility to determine proper orifice size.

►

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

This product is listed to ANSI standards for outdoor decorative gas appliances.
Outdoor Lifestyles is a registered trademark of Hearth & Home Technologies.
3 Getting Started

A. Design and Installation Considerations

These appliances must be installed outdoors.

This outdoor gas appliance is designed for outdoor use. It may also be installed in screened porches and lanais that meet these minimum requirements:
- Minimum porch area: 96 sq. ft.
- Minimum ceiling height: 84 in.
- Minimum of two walls must be screened.
- Minimum top of screen height: 6 ft. 8 in.
- Minimum screen area: 64 sq. ft.

Refer to Section 4.B. for clearances.

### CAUTION

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

Installation MUST comply with local, regional, state and national codes and regulations. Consult the authorities having jurisdiction over restrictions, installation inspection and permits.

Before installing, determine the following:
- Where the appliance is to be installed.
  - Clearance to side walls
  - Location of indoor appliance terminations, air inlets, gas meters, etc.
- Doors
- Location of the fireplace to a door that swings open to ensure it does not interfere with the fireplace when opened
- Windows
- Walkways
- Wires
  - Possibility of flooding or running water
- Gas supply piping requirements.
- Electrical wiring requirements.
- Framing and finishing details.

### Moisture Resistance

This outdoor gas appliance will shed moderate amounts of water, but is not waterproof. Water and condensing water vapor may enter the enclosure under certain conditions.

The appliance will not perform as an exterior wall. Moisture penetration must be considered for construction that places the appliance in structure walls or on moisture sensitive surfaces.

**When installed on exterior walls:** Hearth & Home Technologies recommends that the appliance enclosure be constructed outside the structure’s weather envelope. Where the platform meets the wall, use a flashing detail similar to that required for attached decks. Enclosure platforms, including hearths should slope away from the structure at 1/8 in. to 1/4 in. per foot. The appliance can be shimmed level.

**When installed on surfaces where water may collect or cause damage:** Hearth & Home Technologies recommends that a drainage pan be placed under the unit. This can be constructed of metal, adhesive polymer membrane (such as ice and water shield) or other suitable materials. A means of drainage out of the pan such as tubes or weep holes should be provided. A slope of 1/8 in. to 1/4 in. per foot towards the drain port is suggested. The appliance can be shimmed level.

Hearths should slope away from the front of the appliance and enclosure at 1/8 in. to 1/4 in. per foot.

B. Inspect Appliance and Components

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

**WARNING! Risk of Fire or Explosion!** Damaged parts could impair safe operation. DO NOT install damaged, incomplete or substitute components. Keep alliance dry.

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:
- Installation and use of any damaged appliance.
- Modification of the appliance.
- Installation other than as instructed by Hearth & Home Technologies.
- Improper positioning of the gas logs.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

Any such action may cause a fire hazard.

**WARNING! Risk of Fire or Explosion!** DO NOT use this appliance if any part has been under water. Call a qualified service technician to inspect the appliance and to replace any part of the gas control system which has been under water.
A. Appliance Dimension Diagram

Dimensions are actual appliance dimensions. Use for reference only. For framing dimensions and clearances refer to Figures 4.2, 4.3, 4.4, 4.5, 4.6.

Figure 4.1 Appliance Dimensions
B. Clearances to Combustibles

When selecting a location for the appliance it is important to consider the required clearances to walls (see Figure 4.2).

**WARNING! Risk of Fire or Burns!** Provide adequate clearance around air openings and for service access. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

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

**Figure 4.2 Appliance Locations**

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ODVILLAG-36</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>in.</strong></td>
<td>67 7/8</td>
<td>21 1/2</td>
<td>42</td>
<td>1/2</td>
<td>48</td>
</tr>
<tr>
<td><strong>mm</strong></td>
<td>1724</td>
<td>546</td>
<td>1067</td>
<td>13</td>
<td>1219</td>
</tr>
<tr>
<td><strong>ODVILLAG-42</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>in.</strong></td>
<td>73 7/8</td>
<td>21 1/2</td>
<td>48</td>
<td>1/2</td>
<td>52 1/4</td>
</tr>
<tr>
<td><strong>mm</strong></td>
<td>1876</td>
<td>546</td>
<td>1219</td>
<td>13</td>
<td>1327</td>
</tr>
</tbody>
</table>
Use only noncombustible material below the top of the top standoffs.

Combustible flooring may be installed next to the front of the appliance.

Upper front can be covered with non-combustible material or removed and replaced with non-combustible material.

Framing Dimensions

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>ODVILLAG-36 in.</td>
<td>21 1/2</td>
<td>39 3/4</td>
<td>42</td>
</tr>
<tr>
<td>ODVILLAG-36 mm</td>
<td>546</td>
<td>1010</td>
<td>1067</td>
</tr>
<tr>
<td>ODVILLAG-42 in.</td>
<td>21 1/2</td>
<td>39 3/4</td>
<td>48</td>
</tr>
<tr>
<td>ODVILLAG-42 mm</td>
<td>546</td>
<td>1010</td>
<td>1219</td>
</tr>
</tbody>
</table>

Figure 4.3 Framing Dimensions
C. Vent Termination Minimum Clearances

**FP** = FIREPLACE OPENING  **X** = AIR SUPPLY INLET  **\[\]** = AREA WHERE FIREPLACE IS NOT PERMITTED

A = 0 in. . . . . . . . . clearances above grade, veranda, porch, deck or balcony.

B = 12 in. . . . . . . . . clearances to window or door that may be opened, or to permanently closed window.

D = 47 in. . . . . . . . . vertical clearance to unventilated soffit or to ventilated soffit located above the terminal.

F = 9 in. . . . . . . . . clearance to outside corner.

G\* = 12 in. . . . . . . . . clearance to inside corner, non-vinyl siding.

H = 3 ft. (Canada) . not to be installed above a gas meter/regulator assembly within 3 ft (914 mm) horizontally from the center line of the regulator.

I = 3 ft. (USA) . 6 ft. (Canada) . clearance to service regulator vent outlet and electric service.

J = 9 in. (USA) . 12 in. (Canada) . clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance.

K = 3 ft. (Canada) . 6 ft. (USA) . clearance to a mechanical air supply inlet.

L = . . . . . . . . . (See note 4)

M\* = 47 in. . . . . . . . . clearance under veranda, porch, deck, balcony or overhang.

N* = 12 in. . . . . . . . . clearance to inside corner, non-vinyl siding. (Alcove)

O = 47 in.

P = 84 in.

<table>
<thead>
<tr>
<th>Q_MIN</th>
<th>R_MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>VillaGas</td>
<td>10 feet</td>
</tr>
<tr>
<td>1 additional termination cap Q + 3 feet</td>
<td>1 x Q_ACTUAL</td>
</tr>
<tr>
<td>2 additional termination caps Q + 6 feet</td>
<td>2/3 x Q_ACTUAL</td>
</tr>
<tr>
<td>3 additional termination caps Q + 9 feet</td>
<td>1/2 x Q_ACTUAL</td>
</tr>
</tbody>
</table>

\[ R\_MAX = (2 / \# caps plus fireplace) \times Q\_ACTUAL \]

Note 1: Local codes or regulations may require different clearances.

Note 2: Appliance in an alcove space (spaces open only on one side and with an overhang) are permitted with the dimensions specified for vinyl or non-vinyl siding and soffits. 1) There must be a 3 ft minimum between terminations or between the fireplace and termination. 2) All mechanical air intakes within 10 ft of a termination must be a minimum of 3 ft below the fireplace hood. 3) All gravity air intakes within 3 ft of the fireplace opening must be a minimum of 1 ft below the termination.

Note 3: There may be some odor and small amounts of soot associated with burning outdoor gas fireplaces on a screened porch. Consider prevailing wind direction for best flame performance.

Note 4: For appliances installed facing or opening onto public property or property servicing more than one single family dwelling, such as driveways, sidewalks, etc. refer to local building codes/regulations for proper clearances.

This fireplace is approved for installation onto screen porches with the following guidelines:

- Minimum porch area: 96 sq ft
- Minimum ceiling height: 84 in.
- Minimum of two walls must be screened
- Minimum top of screen height, side walls: 80 in.
- Minimum screen area: 64 sq ft

Figures 4.4 Minimum Clearances
D. Constructing the Appliance Enclosure

**NOTICE:** Install appliance on hard metal or wood surfaces extending full width and depth. **DO NOT** install directly on carpeting, vinyl, tile or any combustible material other than wood.

**WARNING! Risk of Fire!** Maintain specified air space clearances to appliance.

- Insulation and other materials must be secured to prevent accidental contact.
- The enclosure must be properly blocked to prevent combustibles from entering and making contact with fireplace.
- Failure to maintain air space may cause overheating and a fire.

E. Securing and Leveling the Appliance

**WARNING! Risk of Fire!** Prevent contact with:

- Sagging or loose insulation
- Insulation backing or plastic
- Framing and other combustible materials

**DO NOT** notch the framing around the appliance standoffs.

_Failure to maintain air space clearance may cause overheating and fire._

The diagram shows how to properly position and secure the appliance (see Figure 4.4). Nailing tabs are provided to secure the appliance to the framing members.

- Bend out nailing tabs on each side.
- Place the appliance into position.
- Keep nailing tabs flush with the framing.
- Level the appliance from side to side and front to back.
- Shim the appliance as necessary. It is acceptable to use wood shims underneath the appliance.
- Secure the appliance to the framing by using nails or screws through the nailing tabs.
- Secure the appliance to the floor by inserting two screws through the pilot holes at the bottom of the appliance.

F. Non-Combustible Material Installation

**A 12 in. noncombustible facing material (supplied) is required off the top of the appliance. Above 12 in., a combustible facing material is acceptable.**

**Combustible framing can be installed above appliance top standoffs, behind the 12 in. noncombustible facing.**
5 Gas Information

A. Fuel Conversion
- Make sure the appliance is compatible with available gas types.
- Conversions must be made by a qualified service technician using Hearth & Home Technologies specified and approved parts.

B. Gas Pressure
Refer to instructions provided with hearth kit (4072-179).
**WARNING! Risk of Fire or Explosion!** High pressure will damage valve. Low pressure may cause explosion.
- Verify inlet pressures. Verify minimum pressures when other household gas appliances are operating.
- Install regulator upstream of valve if line pressure is greater than 1/2 psig (14 in. w.c.).

### WARNING

- Fire Risk.
- Explosion Hazard.
- High pressure will damage valve.
- Disconnect gas supply piping BEFORE pressure testing gas line at test pressures above 1/2 psig.
- Close the manual shutoff valve BEFORE pressure testing gas line at test pressures equal to or less than 1/2 psig.

When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or International Fuel Gas Code.

C. Gas Connections Provision

**WARNING! Fire and/or Asphyxiation Risk!** Use with outdoor decorative appliance only. Not for use with solid fuel.

The certified outdoor decorative hearth kit (supplied) must be installed in this fireplace.
- Knockouts are provided on both sides of the fireplace and in refractories for 1/2 in. (13 mm) iron pipe.
- Seal refractory around pipe with fireplace mortar or an non-combustible sealant.

**NOTE:** Hearth & Home Technologies recommends when installing rigid gas pipe in the Villa Gas appliance that an accessible pipe joint (not a union) be provided inside of the firebox to aid in replacement of the appliance hearth refractory, should it become necessary.

![Figure 5.1 Gas Line Installation](image-url)
D. High Altitude Installations

**NOTICE:** If the heating value of the gas has been reduced, these rules do not apply. Check with your local gas utility or authorities having jurisdiction.

When installing above 2000 feet elevation:

- In the USA: Reduce input rate 4% for each 1000 feet above 2000 feet.
- In CANADA: Input ratings are certified without a reduction of input rate for elevations up to 4500 feet (1370 m) above sea level. Please consult provincial and/or local authorities having jurisdiction for installations at elevations above 4500 feet (1370 m).

Check with your local gas utility to determine proper orifice size.

E. Air Shutter Setting

Refer to instructions provided with hearth kit (4072-179).
6 Finishing

A. Facing Material

- The Villa Gas appliance requires the front of the appliance to be covered with noncombustible material (e.g.: stone, marble, tile, etc.) A maximum of one (1) inch of exposed metal on all sides is permitted.
- Facing and/or finishing materials must not interfere with air flow through louvers, operation of louvers or doors, or access for service.
- Facing and/or finishing materials must never overhang into the appliance opening.
- Observe all clearances when applying combustible materials.
- Seal joints between the finished wall and appliance top and sides using a 300° F minimum sealant. Refer to Figure 6.1.

WARNING! Risk of Fire! DO NOT apply combustible materials beyond the minimum clearances. Comply with all minimum clearances to combustibles as specified in this manual. Overlapping materials could ignite and will interfere with proper operation of doors and louvers.

Figure 6.1 Non-combustible Facing Diagram

Finish wall material may be combustible - Top and Sides

12 in. noncombustible material (required)

High Temperature Sealant (300° F/149° C min.)
Top and Side Seal Joint

Figure 6.2 Non-combustible Material
B. Mantel and Wall Projections

**WARNING! Risk of Fire!** Comply with all minimum clearances as specified. Framing closer than the minimums listed must be constructed entirely of non-combustible materials (i.e., steel studs, concrete board, etc.).

**Mantels**

![Diagram of Mantel and Wall Projections]

**Figure 6.3 Minimum Vertical and Maximum Horizontal Dimensions of Combustibles**
Mantel Legs or Wall Projections

![Diagram of Mantel Legs or Wall Projections]

**Combustible**
- A: 12 IN. (305 MM) MIN. TO PERPENDICULAR WALL
- B: 14-1/2 IN. (368 MM) MIN. FROM FIREPLACE OPENING TO PERPENDICULAR WALL

**Noncombustible**
- A: 6 IN. (152 MM) MIN. TO PERPENDICULAR WALL
- B: 8-1/2 IN. (216 MM) MIN. FROM FIREPLACE OPENING TO PERPENDICULAR WALL

Figure 6.4 Mantel Leg or Wall Projections (Acceptable on both sides of opening)
7 Appliance Setup

A. Remove the Shipping Materials
Remove hearth kit (2 boxes) from inside the firebox.

B. Clean the Appliance
Clean/vacuum any sawdust that may have accumulated inside the firebox.

C. Install Hood
- Loosen six screws located on bottom edge of upper face.
- Slide hood into position.
- Tighten six screws previously loosened.

D. Install Hearth Kit (provided)
Refer to instructions provided with hearth kit (4072-179).

E. Install Mesh Door (optional)
Refer to instructions provided with mesh doors.

WARNING! Risk of Fire! Install ONLY doors or fronts approved by Hearth & Home Technologies. Unapproved doors or fronts may cause fireplace to overheat.
8 Maintenance and Service

• Refer to installation instructions provided with the hearth kit (4072-179).
• Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance.
• Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that control compartment, burners, and circulating air passageways of the appliance be kept clean.
B. Accessories

Mesh Doors

DSVILLA36
DSVILLA42
C. Contact Information

Please contact your Outdoor Lifestyles dealer with any questions or concerns. For the number of your nearest Outdoor Lifestyles dealer, please visit www.hearthnhome.com.

– NOTES –