

Installation & Operating Manual

Installation and Appliance Setup - Care and Operation

INSTALLER: Leave this manual with party responsible for use and operation.

OWNER: Retain this manual for future reference.

Call your dealer for questions on Installation, Operation, or Service.

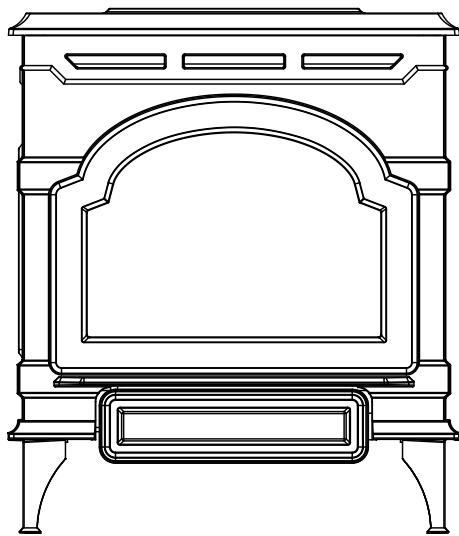
NOTICE: SAVE THESE INSTRUCTIONS



Oxford Direct Vent Gas Stove

Models:

OXDV30SP, OXDV30-IPI



Installation and service of this appliance should be performed by qualified personnel. Hearth & Home Technologies recommends HHT Factory Trained or NFI certified professionals.



WARNING

FIRE OR EXPLOSION HAZARD

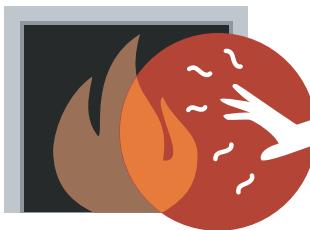
Failure to follow safety warnings exactly could result in serious injury, death or property damage.

- 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 shall be installed.

PLEASE READ THE INSTALLATION & OPERATING INSTRUCTIONS BEFORE USING APPLIANCE.

Thank you and congratulations on your purchase of a Hearth and Home Technologies stove. **IMPORTANT:** Read all instructions and warnings carefully before starting installation. Failure to follow these instructions may result in a possible fire hazard and will void the warranty.

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Important Safety Information

The Oxford Direct Vent Room Heater, Model No. OXDV30SP, OXDV30IPI, is a vented gas appliance listed to the ANSI Standard Z21.88-2017 and CSA 2.33-2017 for Vented Room Heaters, and CSA 2.17-M91, Gas-Fired Appliances For Use at High Altitudes.

The installation of the Oxford Direct Vent Room Heater must conform with local codes, or in the absence of local codes, with National Fuel Gas Code, ANSI Z223.1/NFPA 54—latest edition and CSAB-149.1 Installation Code. (EXCEPTION: Do not derate this appliance for altitude up to 2,000 (610 m) for natural gas and 4,500 feet (1,370 m) for Propane Gas. Maintain the manifold pressure at 3.5" w.c. for Natural Gas and 10.0" w.c. for Propane Gas.)

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

Installation and replacement of gas piping, gas utilization equipment or accessories, and repair and servicing of equipment shall be performed only by a qualified agency, preferably NFI or WETT (Canada) certified. The term “qualified agency” means any individual, firm, corporation, or company that either in person or through a representative is engaged in and is responsible for (a) installation or replacement of gas piping, or (b), the connection, installation, repair, or servicing of equipment, who is experienced in such work, familiar with all precautions required, and has complied with all the requirements of the authority having jurisdiction.

The Oxford Direct Vent Room Heater should be inspected before use and at least annually by a qualified service agency. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.

The Oxford Direct Vent Room Heater and its individual shut-off valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The Oxford Direct Vent Room Heater must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.

An accessible tap is located above the pilot/On-Off knob for checking the inlet pressure.

‘Direct Vent’ describes a sealed combustion system in which incoming outside air for combustion and outgoing exhaust enter and exit through two separate concentric passages within the same sealed vent system. The system does not use room air to support combustion. The Direct Vent system permits the gas appliance to be vented directly to the outside atmosphere through the side of the house or vertically through the roof. Conventional venting systems (Natural Vent) take air from the room for combustion and vent the exhaust vertically through the roof to the atmosphere.

This appliance is approved for bedroom installations in the U.S. and Canada.

This appliance may be installed in an aftermarket* manufactured (mobile) home, where not prohibited by state or local codes.

WARNING: Operation of this heater when not connected to a properly installed and maintained venting system can result in carbon monoxide (CO) poisoning and possible death.

The Oxford Direct Vent Room Heater, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code ANSI/NFPA 70, (latest edition), or of the current Canadian Electrical Code C22.1.

Due to high temperatures this appliance should be located out of traffic and away from furniture and draperies.

WARNING: This appliance is hot while in operation. Keep children, clothing, and furniture away. Contact may cause burns or ignition of combustible materials.

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

Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a stove 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 is 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.

If the barrier becomes damaged, the barrier shall be replaced with the manufacturer’s barrier for this appliance.

Clothing or other flammable materials should not be placed on or near the appliance.

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

The appliance area must be kept clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

The flow of combustion and ventilation air must not be obstructed. The installation must include adequate accessibility and clearance for servicing and proper operation.

WARNING: Do not operate the Room Heater with the glass panel removed, cracked or broken. Replacement of the panel should be done by a licensed or qualified service person.

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.

Do not burn wood, trash or any other material for which this appliance was not designed. This appliance is designed to burn either natural gas or propane only.

This gas appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.

Verify proper operation after servicing.

*** Aftermarket:** Completion of sale, nor for purpose of resale, from the manufacturer.

A. Massachusetts Safety Information

Requirements for the Commonwealth of Massachusetts

All gas fitting and installation of this heater shall only be done by a licensed gas fitter or licensed plumber.

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:

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 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.

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.

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.

Approved Carbon Monoxide Detectors

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and s/UL 2034 listed and IAS certified.

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".

Oxford Direct Vent

Certified to: ANSI Z21.88-2017 / CSA 2.33-2017 Vented Gas Heaters

Exemptions

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

- 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
- 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.

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:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

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:

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

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.

B. California Safety Information



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.

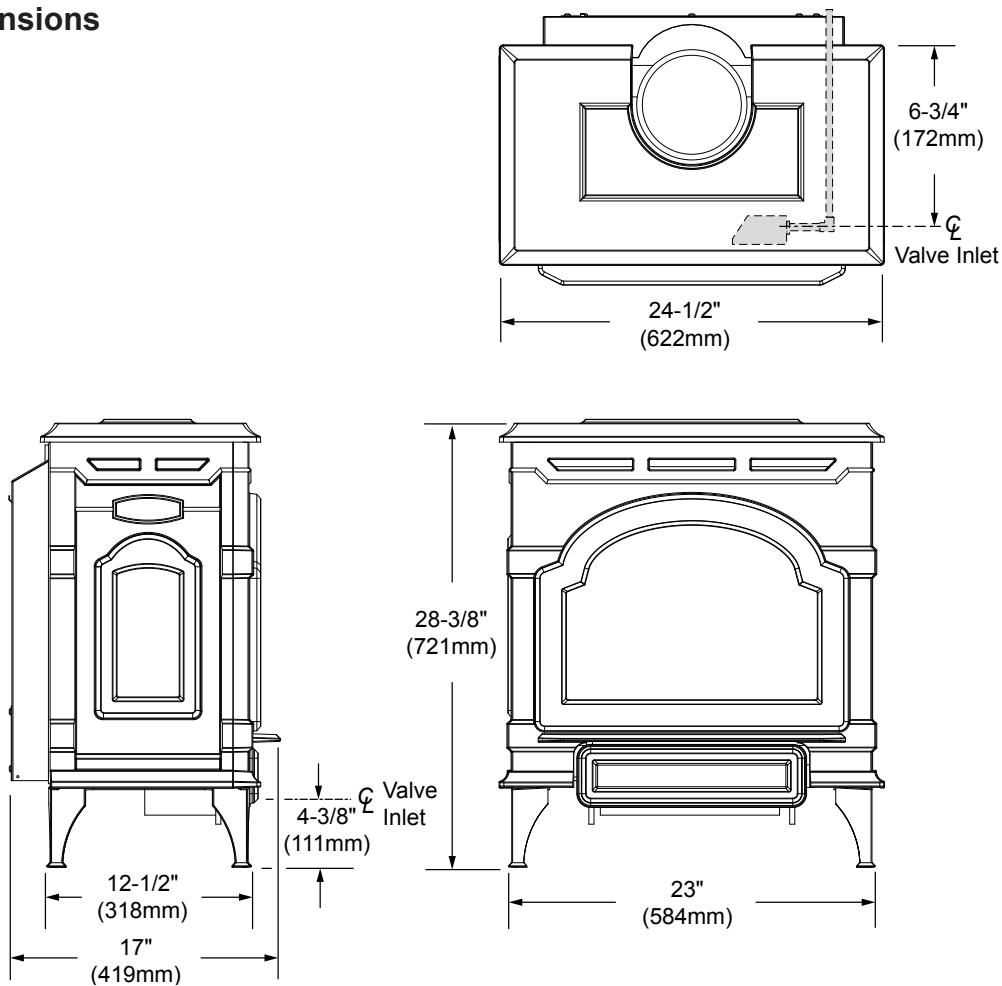
Inspection

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.

2 Framing and Clearances

A. Appliance Dimension Diagram

Stove Dimensions



Weight: Fully assembled; 202 lbs.

Figure 2.1 - Oxford dimensions.

Attention

The Oxford stove is shipped from the factory as a Direct Vent Gas Heater. This heater may be converted into a Natural Vent unit in the field. If a Natural Vent heater is desired, the FSDHAGSLP Draft Hood must be directly installed to the top of the unit according to the installation instructions.

When the stove is converted to Natural Vent, it uses 4" vent pipe. For aesthetic purposes the Hearth & Home Technologies direct vent system may be used up to the ceiling.

For more information see pages 12, 21 and 22.

B. Installation Requirements

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 - latest edition. (EXCEPTION: Do not derate this appliance for altitude. Maintain the manifold pressure at 3.5" w.c. for Natural Gas, and 10" w.c. for Propane).

In Canada, installation must be in accordance with the current CSA B-149.1 Installation Codes and/or local codes.

The installation should be done by a qualified service person who is familiar with the building codes and installation techniques appropriate for your area to accomplish a safe and effective installation.

Your dealer or your local gas supplier will be able to refer a qualified service person.



WARNING

Due to high temperatures, the heater should be located out of traffic and away from furniture and draperies.

The surface of the Heater Is hot when it is in use. Young children should be watched carefully when they are in the same room when the Heater is in use, and they should be taught to avoid the hot surface. Keep any objects that can burn well away from the Heater, and observe the recommended clearances that follow.



WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

In choosing a location for the stove, consider:

- The location of outside walls;
- Where additional heat is needed;
- Where family members gather most often;
- The vent system requirements.

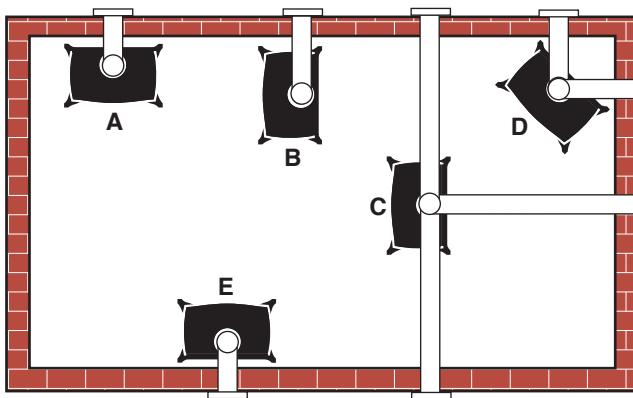
NOTE: We do not recommend the use of wallpaper next to this stove. Over time, radiant heat may cause the wallpaper to shrink, or may adversely affect the binders in the wallpaper adhesive.

This appliance may be installed in an aftermarket,* permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

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

* Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer.

Direct Vent System Only



A. Flat on corner wall	D. Cross Corner
B. Room Divider	E. Flat on wall
C. Island	

Figure 2.2 - Possible stove locations.

C. Clearance Requirements

Minimum Clearances to Combustible Materials

Measure side clearances as shown in Figures 2.3 thru 2.6 from the outer edge of the cast iron stove top. Measure rear clearances from the outermost surface of the steel rear skirt.

The Oxford heater is approved for installation into an alcove constructed of combustible materials to the dimensions and clearances shown on the next page.

The same clearances apply in a standard parallel installation.



WARNING

- Always maintain required clearances (air spaces) to nearby combustibles to prevent fire hazard. Do not fill air spaces with insulation. Horizontal sections of this vent system require a minimum of 3" (76 mm) clearances to combustibles at the top of the flue and 1" (25 mm) clearance at the sides and bottom until the flue penetrates the outside wall. The gas appliance and vent system must be vented directly to the outside of the building and never be attached to a chimney serving a separate solid fuel or gas-burning appliance.
- Refer to the manufacturer's instructions included with the venting system for complete installation procedures.

D. Hearth Requirements

The Oxford Heater can be installed on any type of rigid flooring (e.g. hardwood, ceramic tile, brick, etc). When the heater is installed on a carpeted surface, a metal or wooden panel extending the full width and depth of the unit must be used as the hearth. The purpose of the hearth is to prevent the unit from sinking into the carpet surface and reducing the required clearance to the underside of the unit. There are no other hearth requirements.

E. Clearances to Combustibles

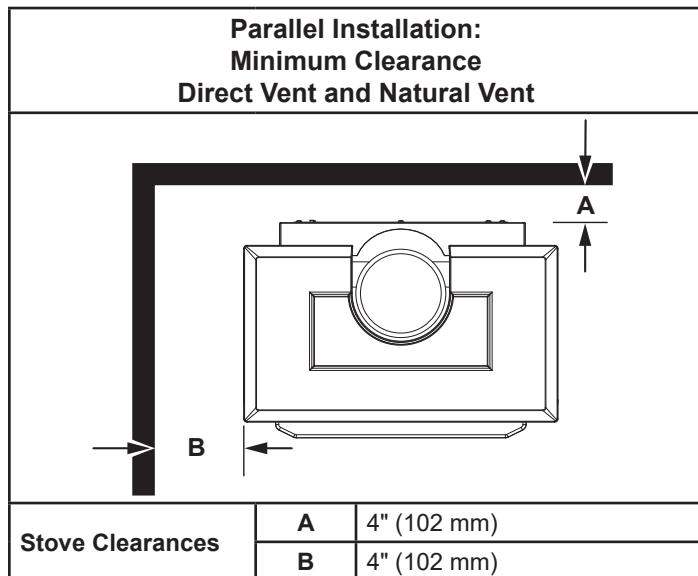


Figure 2.3 - Parallel installation, minimum back and side clearances.

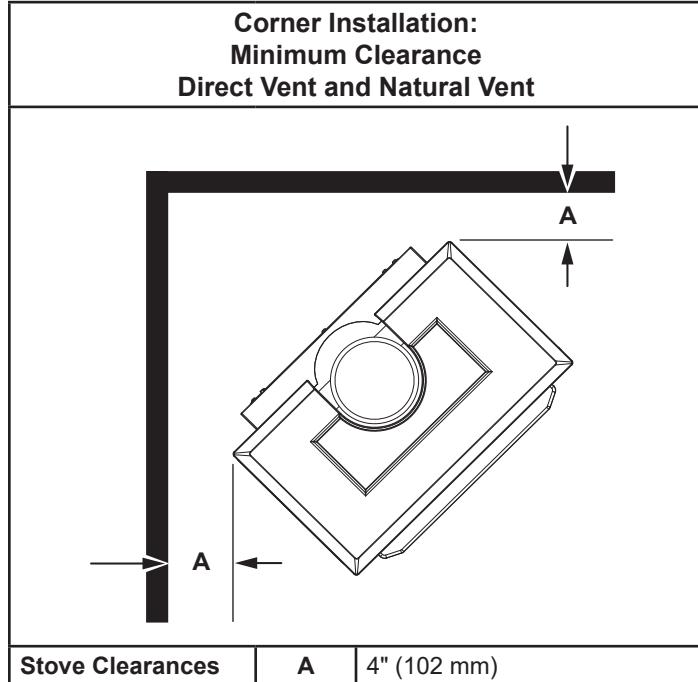


Figure 2.4 - Corner installation, minimum corner clearances.

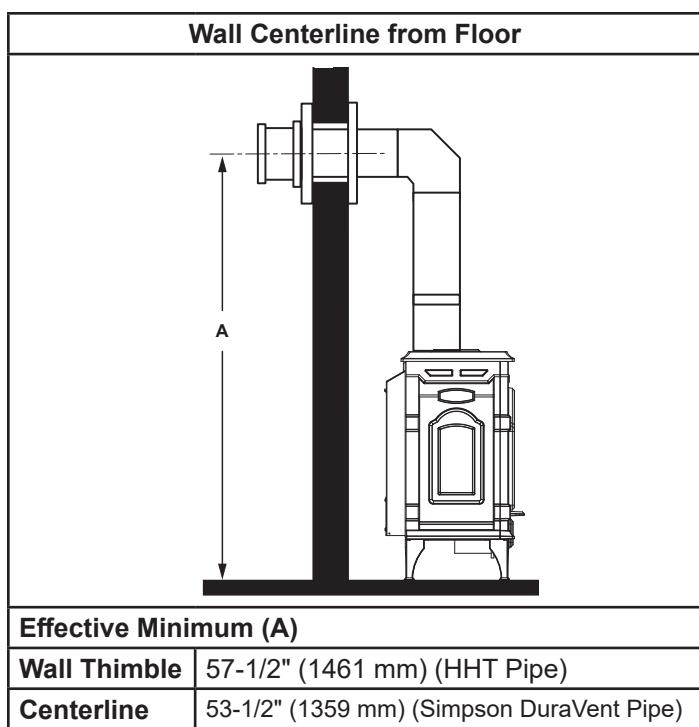


Figure 2.5 - Minimum wall centerline.

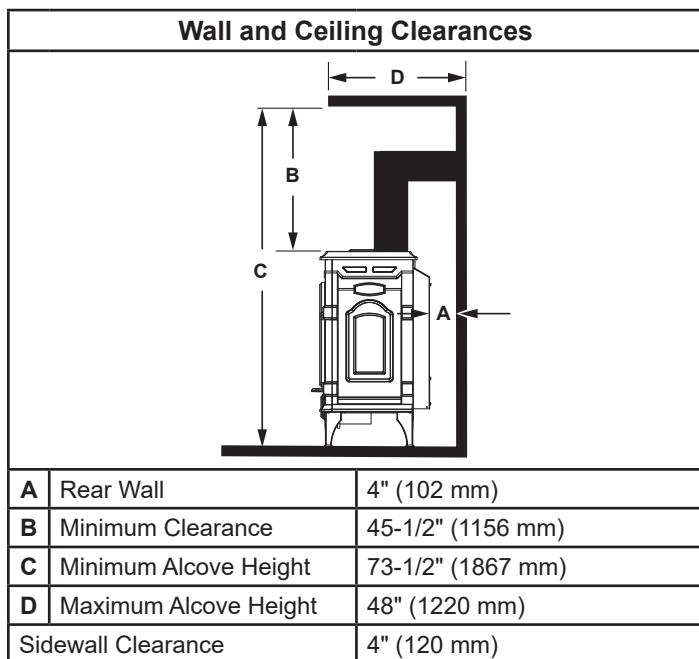


Figure 2.6 - Dimensions and clearances to ceiling or alcove.

F. Gas Specifications

Model	Fuel	Control	Max. Input BTU/h	Min. Input BTU/h
OXDV30SP	Natural Gas	Millivolt Manual	28,000	20,000
OXDV30SP	Propane	Millivolt Manual	28,000	19,000
OXDV30IPI	Natural Gas	IPI	28,000	20,000
OXDV30IPI	Propane	IPI	28,000	19,000

Gas Inlet and Manifold Pressures

	Natural	Liquid Propane
Inlet Minimum	5.0" w.c.	11.0" w.c.
Inlet Maximum	10.0" w.c.	13.0" w.c.
Manifold Pressure	3.5" w.c.	10.0" w.c.

The installation of your Hearth and Home Technologies stove must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1/NFPA 54 - latest edition, or CSA B149.1 Installation code. (EXCEPTION: Do not derate this appliance for altitude up to 2,000 (610 m) for natural gas and 4,500 feet (1,370 m) for Propane Gas. Maintain the manifold pressure at 3.5" w.c. for Natural Gas and 10.0" w.c. for Propane Gas.

HIGH ELEVATIONS

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 2,000 feet (610 m) for natural gas and 4,500 feet (1,370 m) for Propane gas above sea level.

In the USA installations with elevations above 2,000 feet (610 m) for natural gas and 4,500 feet (1,370 m) for Propane gas must be in accordance with the current ANSI Z223.1/NFPA 54 and/or local codes having jurisdiction.

In Canada, please consult provincial and/or local authorities having jurisdiction for installations at elevations above 2,000 feet (610 m) for natural gas and 4,500 feet (1,370 m) for Propane gas.



WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.

G. Vent Terminations & Clearances

Horizontal Termination

The vent must rise vertically a minimum of 24" (610 mm) off the top of the unit, before the first elbow. The horizontal run may extend up to 20' (6m) and include a vertical rise of up to 40' (12 m). (Figure 7) Horizontal termination must also meet the criteria shown in Figures 2.11 and 2.12.

- Approved vent systems must terminate above and including the heavy line in Figure 2.7.
- Two 45° elbows may be substituted for each single 90° elbow.
- With a rise between 2' - 5', one 90° or two 45° elbows may be used.

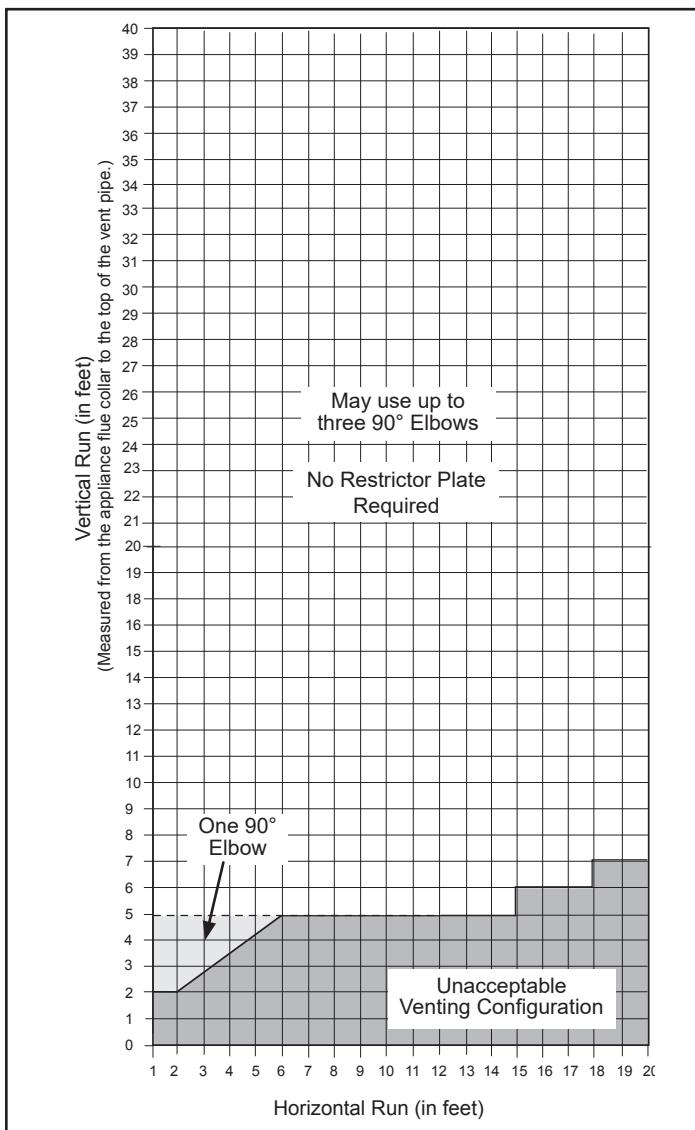


Figure 2.7 - Horizontal vent termination window.

Vertical Termination

A vertical vent system must terminate no less than 8' (2.44 m) and no more than 40' (12 m) above the appliance flue collar. (Refer to Figure 2.8) Adjust the restrictor plate according to recommendations in Figure 2.10. A vertically terminated vent system must also conform to the following criteria:

- No more than three 90° elbows may be used.
- Two 45° elbows may be substituted for one 90° elbow. No more than six 45° elbows may be used.
- Vent must rise a minimum of 2 feet (305 mm) before offset is used.
- Termination height must conform to roof clearance as specified in Figure 2.8.

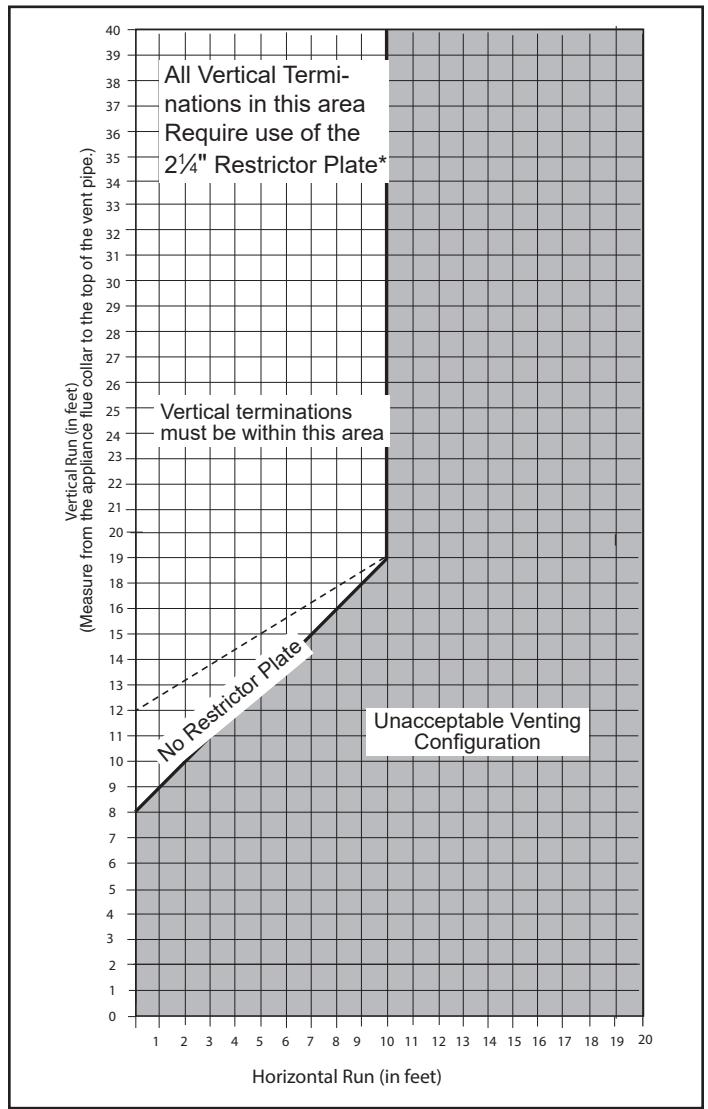


Figure 2.8 - Vertical vent termination window.

Restrictor Plate Adjustment for Extended Pipe Runs

The Oxford stove is shipped with a restrictor plate in the Parts Bag. Adjustments can be made by loosening the adjustment screw to allow the restrictor plate to slide up or down. (Figure 2.9) A guide for usage is shown in Figure 2.10.

NOTE: Some installations may require some adjustment by the installer for optimum flame appearance. Optimum flame appearance is a flame that is not subject to tall, dirty yellow flames producing soot or flames lifting off of the ember bed ports.

Restrictor Plate Adjustment

- Remove the screw in the back wall of the firebox.
- Install restrictor plate as shown in Figure 2.9 with cut out on left side. Secure with adjustment screw.
- Measure from center of screw to top edge of diverter (Figure 2.9) to adjust plate according to guidelines in Figure 2.10.
- Tighten attachment screw.
- Install logs following log installation instructions.

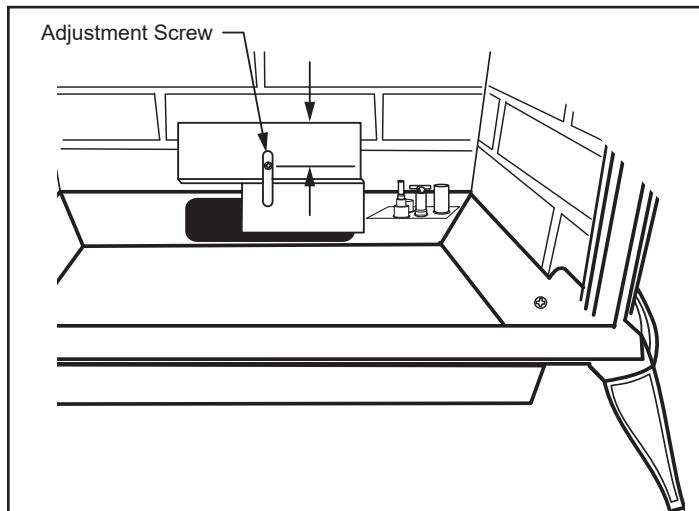


Figure 2.9 - Loosen screw to adjust restrictor plate.

Examples for Extended Run/Restrictor Plate Settings

Vertical 20' (6 m), 90° elbow, out 8' (2.4 m)	Vertical 11' (3.4 m), 90° elbow, out 2' (610 mm)	Vertical 40' (12 m)	Vertical 5' (1.5 m), 90° elbow, out 5' (1.5 m)
--------------------------------------------------------	-----------------------------------------------------------	------------------------	---------------------------------------------------------

Restrictor plate measurement from top of plate to center of screw:

2 1/4" (70 mm) from center of screw to top edge of plate	Plate down to top of slot	Plate down to top of slot	2 1/4" (60 mm) from center of screw to top edge of plate
----------------------------------------------------------------------	------------------------------	------------------------------	----------------------------------------------------------------------

Figure 2.10

Vent Termination Clearances

When planning the installation, consider the location of the vent terminal and clearances. Some of the most common clearances to keep in mind are shown in Figure 2.11.

Important: All vent clearances must be maintained. Check your vent termination clearances against Figures 2.11 and 2.12.

The vent should be placed so that people cannot be burned by accidentally touching the vent surfaces when the stove is operating.

The vent termination should be located where it cannot be damaged by such things as automobile doors, lawn mowers or snowblowers and it should be located away from areas where it could become blocked by snow, etc.

Some considerations are:

- Obstructions or impediments to venting.
- Nearby combustible materials that could come into contact with combustion exhaust gases.
- Other nearby openings {within 12" (305 mm)} through which exhaust gas could reenter the building.
- All vegetation within 3' (76 mm) that may interfere with the draft.

Other factors that influence where the installation will be sited include the location of outside walls, where additional heat may be desired in the home, where the family members gather most regularly, and perhaps most importantly, the distance limitations of the venting system.

IMPORTANT

The horizontal termination must not be recessed into the exterior wall or siding.

Horizontal vent runs must be level toward the vent termination.

Clearances around the vent termination must be maintained.

For installations using DuraVent pipe, parallel installations with minimum wall clearance have restricted access for connecting the Horizontal Vent Cap straps to the vent pipe. See the maker's instructions for recommended installation procedures.

Your stove is approved to be vented either through the side wall, or vertical through the roof.

- HHT does not require any opening for inspection of vent pipe.
- Only HHT SLP venting components or DuraVent venting components specifically approved and labeled for this stove may be used.
- Maintain minimum clearances between vent pipes and combustible materials.
- Venting terminals shall not be recessed into a wall or siding.
- Any horizontal run must have a 1/4" rise for every one (1) foot of run towards the vent termination. Never run the vent level or down.

There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front of the termination hood.

Do not locate termination hood where excessive snow or ice build up may occur. Be sure to check vent termination area after snow falls, and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area.

Location of Vent Termination

It is imperative the vent termination be located observing the minimum clearances as shown in this manual.

H. Chimney Diagram

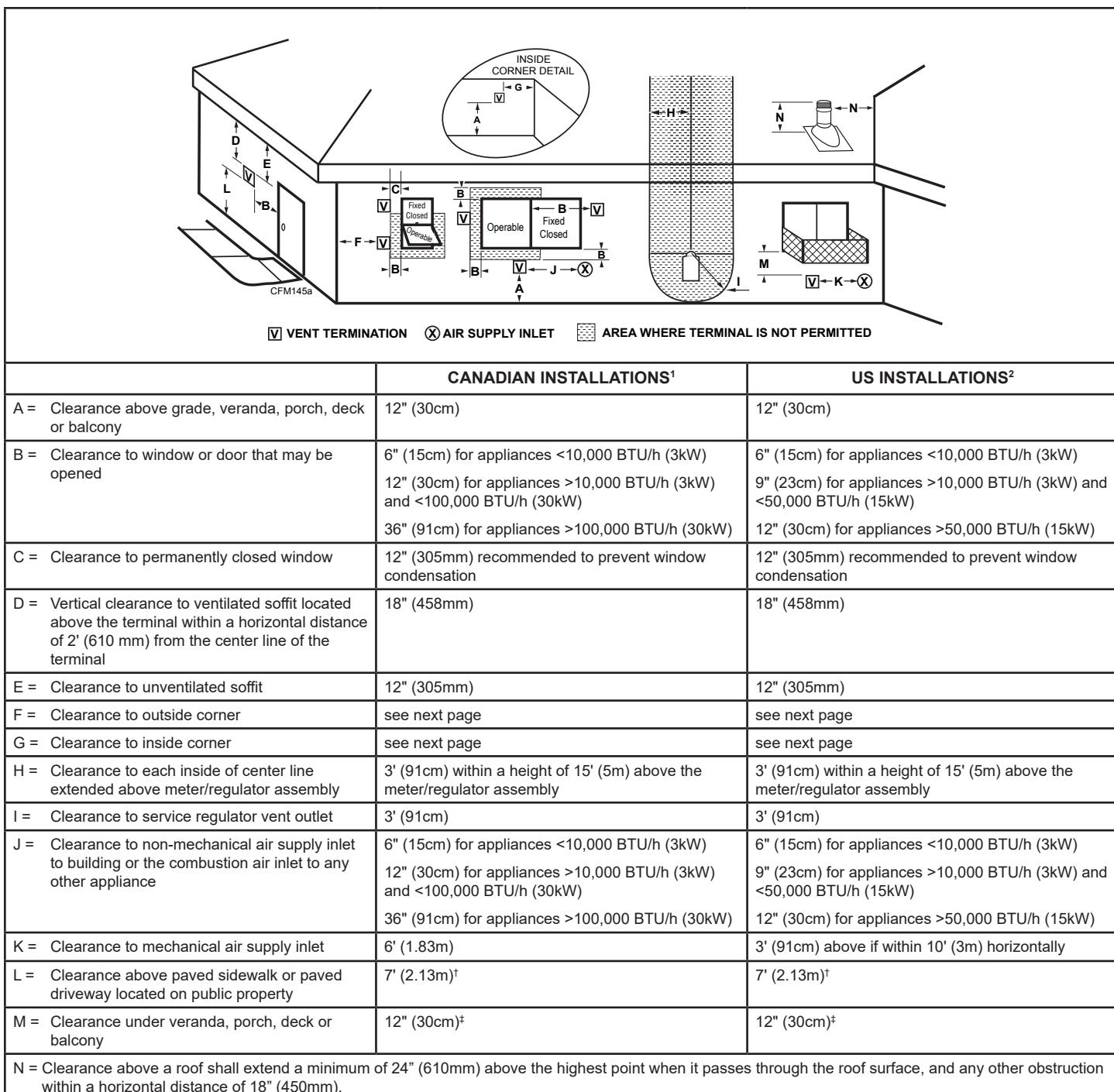


Figure 2.11 - Vent termination clearances.

1. In accordance with the current CSA-B149 Installation Codes
 2. In accordance with the current ANSI Z223.1/NFPA 54 National Fuel Gas Codes
- † A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings
- ‡ Only permitted if veranda, porch, deck or balcony is fully open on a minimum 2 sides beneath the floor.

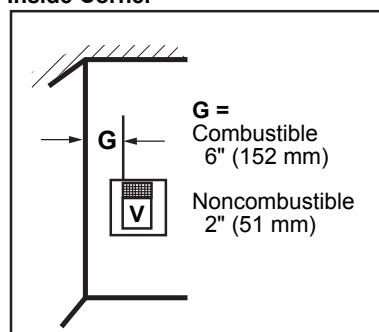
NOTE:

1. Local codes or regulations may require different clearances.
2. The special venting system used on Direct Vent Fireplaces are certified as part of the appliance, with clearances tested and approved by the listing agency.
3. HHT assumes no responsibility for the improper performance of the appliance when the venting system does not meet these requirements.

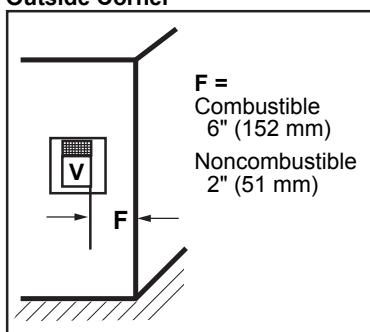
Termination Clearances

Termination clearances for buildings with combustible and noncombustible exteriors.

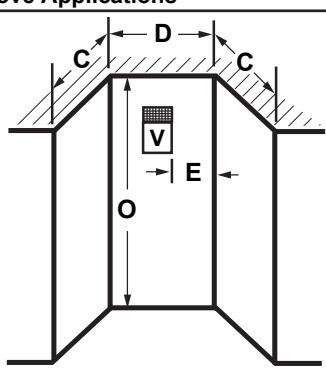
Inside Corner



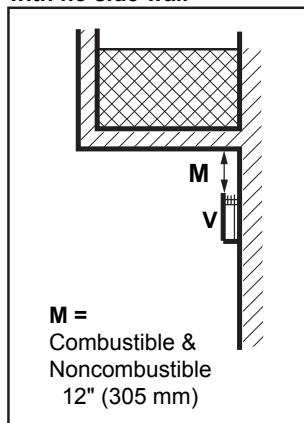
Outside Corner



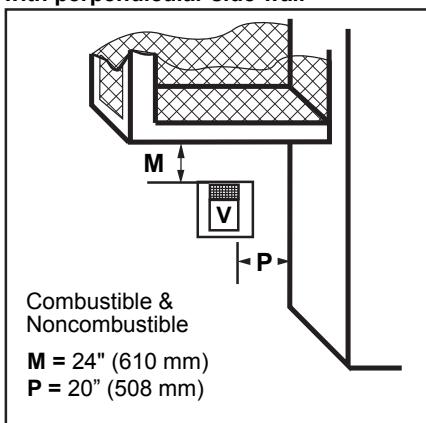
Alcove Applications*



Balcony - with no side wall



Balcony - with perpendicular side wall



E = Min. 6" (152 mm) for non-vinyl sidewalls
Min. 12" (305 mm) for vinyl sidewalls
O = 8' (2.4 m) Min.

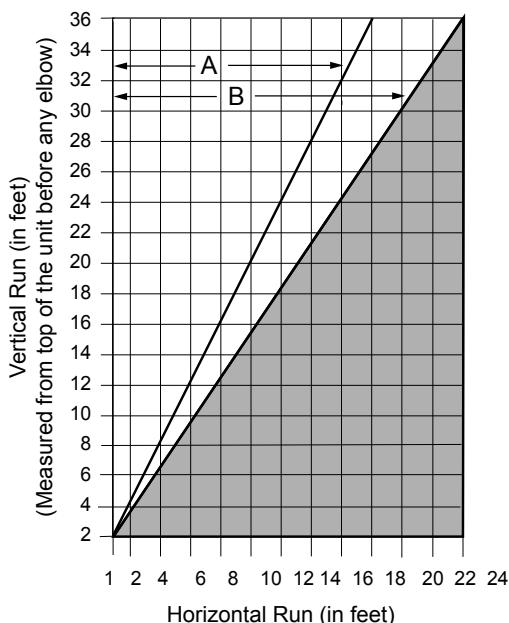
No. of Caps	D _{Min.}	C _{Max.}
1	3' (914 mm)	2 x D _{Actual}
2	6' (1.8 m)	1 x D _{Actual}
3	9' (2.7 m)	2/3 x D _{Actual}
4	12' (3.7 m)	1/2 x D _{Actual}

D_{Min.} = # of Termination caps x 3
C_{Max.} = (2 / # termination caps) x D_{Actual}

***NOTE:** Termination in an alcove space (spaces open only on one side and with an overhang) is permitted with the dimensions specified for vinyl or non-vinyl siding and soffits. 1. There must be a 3' (914 mm) minimum between termination caps. 2. All mechanical air intakes within 10' (1 m) of a termination cap must be a minimum of 3' (914 mm) below the termination cap. 3. All gravity air intakes within 3' (914 mm) of a termination cap must be a minimum of 1' (305 mm) below the termination cap.

Figure 2.12 - Termination clearances.

Venting Requirements - Natural Vent Only



Venting Runs

NOTE: When venting straight vertical, without any elbow, a minimum of 8 ft. vertical is required off the top of the stove.

= Acceptable venting configuration

= Unacceptable venting configuration

A: Vertical installations up to 36 feet (12m) in height. Up to an 18 ft. horizontal vent run can be installed within the vent system using a maximum of two 90-degree elbows or four 45-degree elbows.

B: Vertical installations up to 36 feet (12m) in height. Up to a 24 ft. horizontal vent run can be installed within the vent system using a maximum of two 45-degree elbows. (Ratio = 2/3, Hor./Vert.)

Figure 2.13 - Vent termination window - Natural Vent ONLY.

NOTE: When using the FSDHAGSLP, the restrictor plate supplied with the stove is not used.

3 Assembly and Installation

A. Venting Requirements & Options

Approved Vent System Components

The Oxford Heater must be vented to the outdoors through an adjacent exterior wall or through the roof. The venting system must be comprised of the appropriate listed venting components specified on this page. These parts are available from DuraVent Corporation or your Hearth and Home Technologies Dealer.

See Figure 2.4 for dimensions relevant to the standard minimum-vent kits.

HHT Components*

SLP Horizontal Termination Kit (Termination Cap, SLP24-BK, SLP6-BK, SLP6A-BK, SLP90-BK, SLP-WT-BK & CCSLP)	SLP-SK-BK
Stove Adapter Kit (Includes 30' of 4" Flex, adapters, wall thimble, masonry and ZC flashing, 991DA Cap and Fasteners)	LINK-STOVE
Trapezoid Termination Kit (3-1/8" - 4-3/4")	SLP-TRAP1
Trapezoid Termination Kit (5-1/4" - 9-1/4")	SLP-TRAP2
Rear Vent Termination Kit	SLP-RVTK
Vertical Termination cap - High Wind (includes storm collar)	SLP-TVHW
Decorative Wall Thimble Cover	SLP-WT-BK
Decorative ceiling firestop - black	SLP-DCF-BK
Cathedral ceiling support - black	SLP-CCS-BK
4" (100mm) pipe length - black	SLP4-BK
6" (150mm) pipe length - black	SLP6-BK
12" Pipe length-black	SLP12-BK
24" Pipe length-black	SLP24-BK
36" (915mm) pipe length - black	SLP36-BK
48" Pipe length-black	SLP48-BK
3" - 6" (75 - 150mm) telescoping pipe extension - black	SLP6A-BK
3" - 12" telescoping pipe extension-black	SLP12A-BK
45 degree elbow-black	SLP45-BK
90 degree elbow-black	SLP90-BK
Oxford, Stardance, Oxford SLP adapter	CCSLP
Freestanding Draft Hood Adapter	FSDHAGSLP
SL Snorkel Cap (Includes 1 pair of firestops)	SLK-SNKD

*CCSLP adapter is required when using HHT components.

DuraVent Components

Starter Pipe Assembly (incl. inner & outer sections)	46DVA-ADP
90° Elbow, Blk.	46DVA-E90B*
45° Elbow, Gal.	46DVA-E45
6" Straight, Blk.	46DVA-06B*
9" Straight, Blk.	46DVA-09B
11" - 14-5/8" Adjustable Straight Section	46DVA-08AB
12" Straight	46DVA-12
24" Straight	46DVA-24B*
36" Straight	46DVA-36B
48" Straight	46DVA-48
Horizontal Vent Cap	46DVA-HC*
Wall Plate	46DVA-DC
Vinyl Siding Shield	46DVA-VSS
Snorkel Termination - 14"	46DVA-SNK14
Snorkel Termination - 36"	46DVA-SNK30
Wall Strap	46DVA-WS
Cathedral Ceiling Support Box	46DVA-CS
Storm Collar	46DVA-SC
Firestop Spacer	46DVA-FS
Flashing 0/12 - 6/12	46DVA-F6
Flashing 6/12 - 12/12	46DVA-F12
Wall Thimble	46DVA-WT
Wall Thimble Cover (Brass)	3PVP-TKV
Wall Firestop	46DVA-WFS
Attic Insulation Shield	46DVA-IS
Co-Linear Vent Adapter	46DVA-GCL
Steel Chimney Conv. Kit A (6-5/8" - 8-5/8")	46DVA-KCA
Steel Chimney Conv. Kit B (6-5/8" - 10-1/2")	46DVA-KCB
Steel Chimney Conv. Kit C (6-5/8" - 13")	46DVA-KCC
Masonry Chimney Conversion Kit	46DVA-KMC
Vertical Termination Cap (High Wind)	46DVA-VCH
Vertical Termination Cap (Low Profile)	46DVA-VC

All DuraVent Straight vent pipe sections have a net length 1-1/2" (37mm) less than the nominal dimension; i.e., a 6" (152 mm) Straight pipe section has an effective length of 4-1/2" (115 mm).

B. Assembling the Stove:

Tools Required

- Phillips screwdriver (stub)
- Utility knife
- Metal drill bit: size 28 (.140"/3.5mm)
- Flat-blade screwdriver
- Power drill
- Reciprocating saw
- 9/16" wrench
- 1/2" Wrench

Parts Bag Contents:

- Three (3) Vent Screws
- Wood handle w/insert lifter (handle for operable door)
- Restrictor Plate
- 4" Starter pipe
- Three (3) Phillips round-head bolts, 1/4"- 20 x 1/2"
- One (1) Tube of Vent Gasket Cement
- Propane Conversion Kit
- Owner's Installation and Operating Manual

Unpack Stove

Using the 1/2" wrench remove the (4) lag bolts installed through the shipping brackets and into the skid. Once the lag bolts are removed, remove the shipping brackets from around each leg leveler located at each leg with the 7/16" Wrench.



WARNING

Only the IPI appliance is equipped with a three-prong (grounded) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

C. Venting System Assembly



CAUTION

All HHT Direct Vent Stoves have been tested and approved to ANSI/CSA Standards and will operate safely when installed in accordance with this instruction manual. Read all instructions before starting installation, then follow these instructions carefully to maximize stove performance and safety. Report damaged parts to your dealer.



WARNING

Always maintain minimum clearances around vent systems. Rear/Top Vent Vertical Side wall: Horizontal sections of this vent system require a minimum of 3" (76 mm) clearances to combustibles at the top of the flue and 1" (25 mm) clearance at the sides and bottom until the flue penetrates the outside wall. A minimum 1" clearance all around the flue is acceptable at this point of penetration. If vertical rise is 7-1/2 feet (2.3 m) or higher when top venting, the clearance to combustibles is 1" on all sides of the horizontal run. FOR VERTICAL RUNS ONLY, maintain a 1" (25 mm) minimum clearance to all sides. Do not pack the open air spaces around the stove or flue with insulation or other materials. Any horizontal run must have a 1/4" rise for every one (1) foot of run towards the vent termination. Never run the vent level or down.



WARNING

Failure to follow these instructions may create a possible fire hazard and will void the warranty.



WARNING

Any common venting of this gas appliance with other gas appliances is not allowed.

Important Safety Information

The termination cap MUST be vented directly to the outside. The termination kit MUST NEVER be connected to a chimney flue(s) servicing a separate solid-fuel burning appliance or any other appliances.

- Termination cap **MUST NOT** be recessed into a wall, Figure 3.1.
- The installation must conform with local codes or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1 (in the United States) or with the current installation code CSA B149 (in Canada).

- These models are approved to use HHT direct vent pipe components, HHT termination kits and DuraVent components. No other venting system components may be used.
- Horizontal runs must be supported every 5 feet (1.5 m) using wall straps. Vertical runs must be supported every 8 feet (2.4 m) using wall straps. Slip wall straps loosely on to pipe. Attach straps to framing members using nails or screws. Tighten nut/bolt to secure pipe.
- The stove and venting system should be inspected before initial use and at least annually by a qualified field service person. Inspect the external vent cap on a regular basis to make sure that no debris is interfering with the airflow. Inspect entire venting system to ensure proper function.

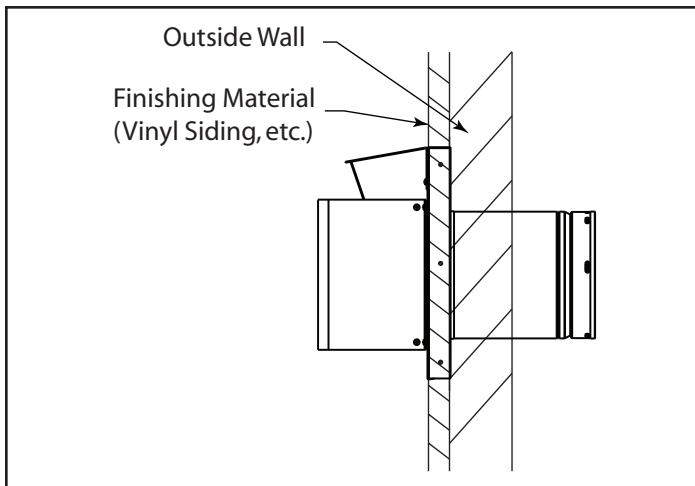


Figure 3.1 - Termination cap on wall

Before You Start

Plan your installation. Set the stove in place and survey how to best vent the unit. Select the appropriate termination kit and vent pipe for the installation. Read these instructions and the stove Owner's Manual before beginning installation. After vent configuration has been decided, begin attaching pipe to unit.

Items required for installation:

Tools:

Phillips screwdriver	Hammer
Saw and/or saber saw	Level
Measuring Tape	Electric drill and bits
Pliers	Square

Building Supplies:

Framing materials
Wall finishing materials
Caulking Material (noncombustible)

WARNING

Any horizontal run must have a 1/4" rise for every one (1) foot of run towards the vent termination. Never allow the vent pipe to run down. This could cause high temperatures and may present a fire hazard.

WARNING

Termination cap must be positioned so the embossed arrow is pointed up.

General Information

The Oxford is approved for installation only with the vent components listed under Section A "Venting Requirements & Options". Follow the vent component instructions exactly.

For U.S. installations: The venting system must conform with local codes and/or the current National Fuel Gas Code, ANSI Z223.1/NFPA 54.

For Canadian installations: The venting system must conform to the current CSA B149.1 installation code.

Install the starter Pipe

1. Attach the starter to the stove.
2. Place a 3/8" bead of millpack caulk around the inside of the cast starter collar. Insert the 6-5/8" outer adapter into the cast outer starting collar and press down firmly.
3. Install the CCSLP Outer Adapter Pipe.
4. Place a 3/8" bead of millpack caulk around the 4" crimped end of the starter collar on the stove. Attach the SLP pipe to the adapter, and secure by aligning adapter and pipe seams, pressing down firmly until pipe stops, and twisting to lock into place, Figure 3.2.

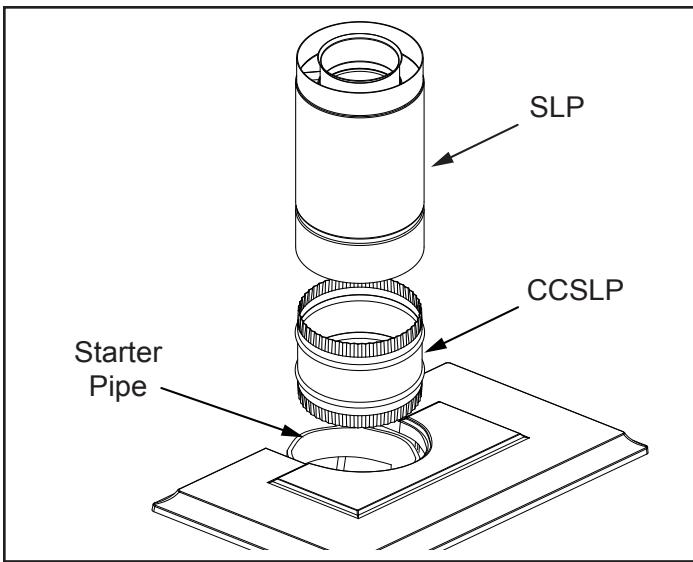


Figure 3.2 - Attach inner assembly to flue collar.

Assemble Slip Sections

The outer flue of the slip section should slide over the outer flue of the pipe section and into (inner flue) the last pipe section, Figure 3.4.

Slide together to the desired length, making sure that a 1-1/2" outer flue overlap is maintained between the pipe section and slip section.

The pipe and slip section need to be secured by driving two 1/2 in. screws through the overlapping portions of the outer flues using the pilot holes, Figure 3.5.

This will secure the slip section to the desired length and prevent it from separating. The slip section can then be attached to the next pipe section.

If the slip section is too long, the inner and outer flues of the slip section can be cut to the desired length.



WARNING

Risk of Fire/Explosion! DO NOT break seals on slip sections. Use care when removing termination cap from slip pipe. If slip section seals are broken during removal of the termination cap, vent may leak.

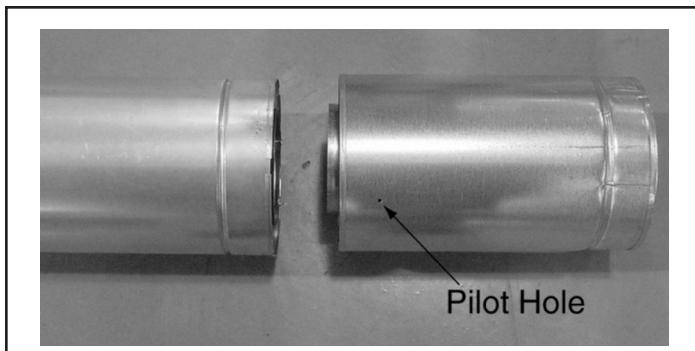


Figure 3.4 - Slip Section Pilot Holes

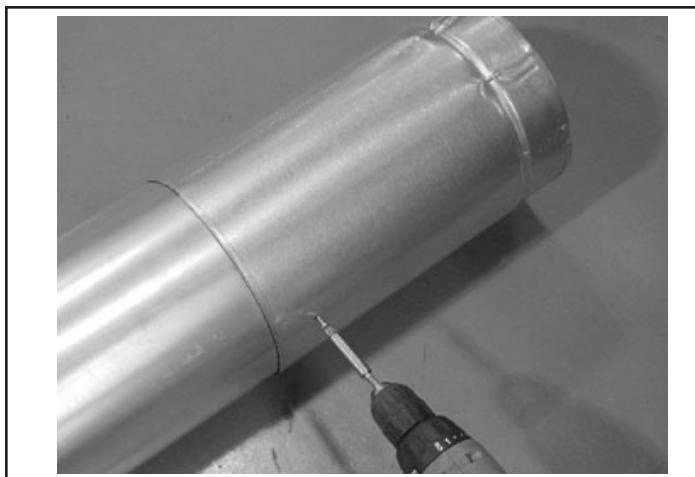


Figure 3.5 - Screws into Slip Section

Secure the Vent Sections

Vertical sections of SLP pipe must be supported every 8 feet.

The SLP firestop includes tabs that may be used to secure vertical sections.

The vent support or plumber's strap (spaced 120° apart) may be used to secure the vertical sections of pipe, Figure 3.6.

Horizontal sections of vent must be supported every 5 feet with a vent support or plumber's strap, Figure 3.7.

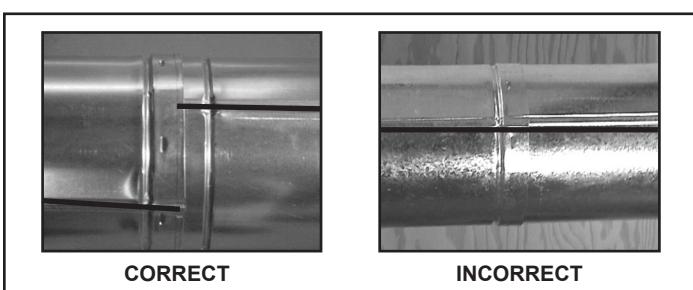


Figure 3.3 - Make sure the seams are not aligned to prevent unintentional disconnection.



WARNING

Risk of Fire/Explosion/Asphyxiation! Improper support may allow vent to sag and separate. Use vent run supports and connect vent sections per installation instructions. DO NOT allow vent to sag below connection point to appliance.

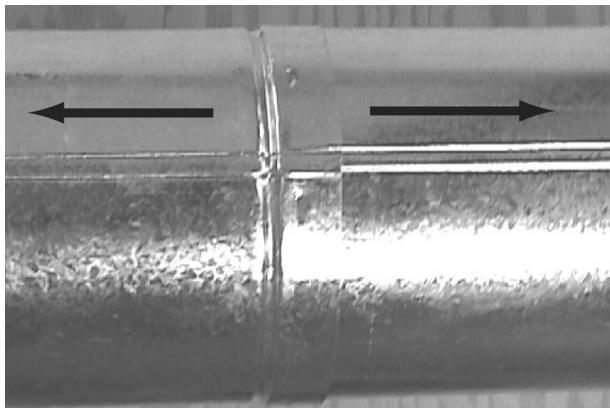


Figure 3.9 - Align and Disassemble Vent Sections

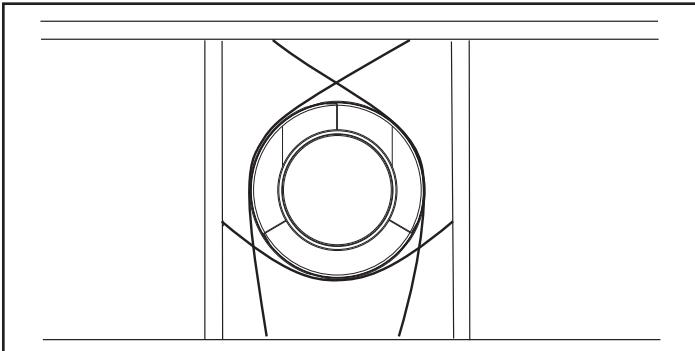


Figure 3.6 - Securing Vertical Pipe Sections

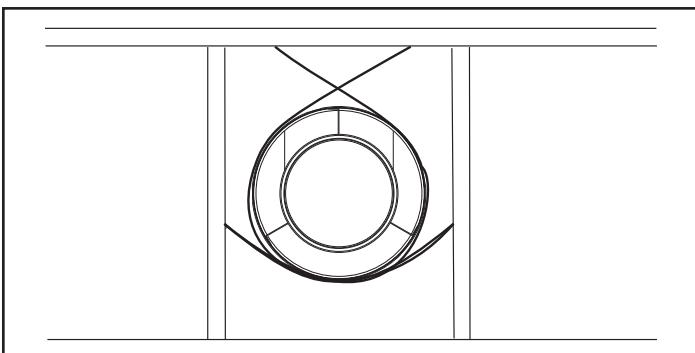


Figure 3.7 - Securing Horizontal Pipe Sections

Disassemble Vent Sections:

To disassemble any two pieces of pipe, rotate either section, Figure 3.8, so that the seams on both pipe sections are aligned, Figure 3.9. They can then be carefully pulled apart.

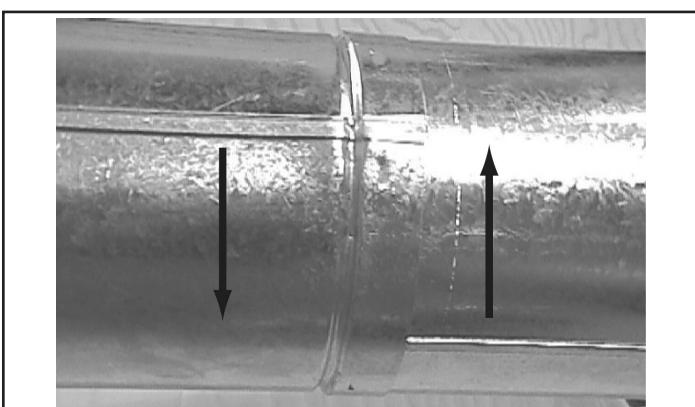


Figure 3.8 - Rotate Seams for Disassembly

Horizontal Termination Cap:



WARNING

Risk of Fire! The telescoping flue section of the termination cap MUST be used when connecting vent.

- 1-1/2" (38 mm) minimum overlap of vent and telescoping flue section is required.

Failure to maintain overlap may cause overheating and fire.

Note: For horizontal vent runs through a combustible wall and framing dimensions, refer to appliance installation manual.

Install the Horizontal Termination Cap

Attach slip section of cap to last vent section. Maintain 1-1/2" overlap between slip and vent sections.

Note: For installations using black pipe, slide the decorative wall thimble over the last vent pipe before connecting the termination to the pipe. When this connection has been made, slide the wall thimble up to the interior wall surface and attach with screws provided.

Secure termination cap to exterior wall using provided holes and fasteners.

Vent termination must not be recessed in the wall. Siding may be brought to the edge of the cap base.



CAUTION

Risk of Burns! Local codes may require installation of a termination guard to prevent anything or anyone from touching the hot cap.

Flash and seal as appropriate for siding material at outside edges of cap.

When installing a horizontal termination cap, follow the cap location guidelines as prescribed by current ANSI Z223.1 and CAN/CGA-B149 installation codes.

Divert Roof Run-off

HHT recommends, where excessive water run-off is possible, use of one of the two options shown in Figure 3.10 to prevent water running off the roof and onto/into the horizontal termination cap.

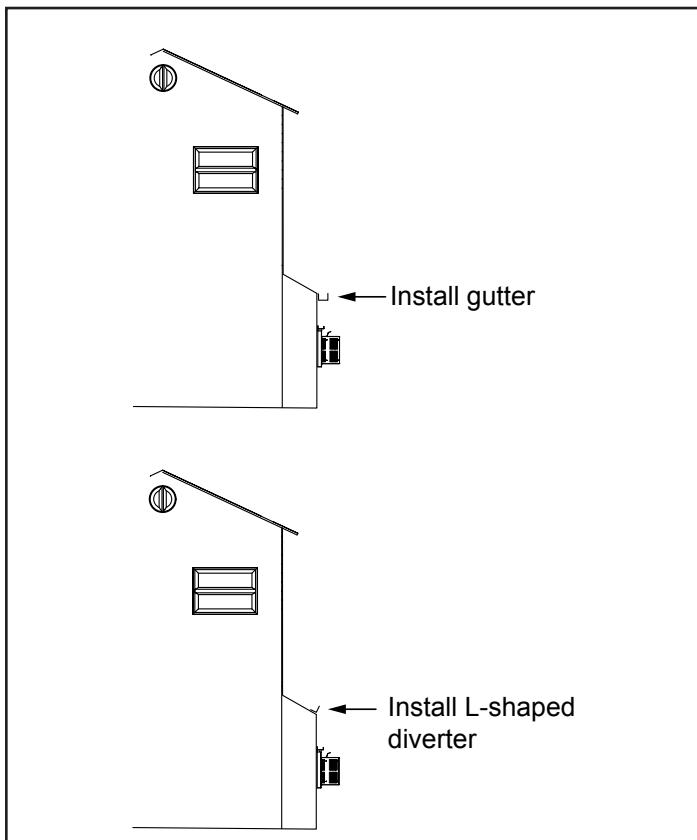


Figure 3.10 - Locate Vent Opening on Wall

Vertical Side Wall Installation:

NOTE: Refer to Figures 2.8 thru 2.10 for restrictor plate adjustments for vertical vent runs.

1. Locate vent opening on the wall. It may be necessary to first position the stove and measure to obtain hole location. Depending on whether the wall is combustible or noncombustible, cut opening to size, Figure 3.11 (For combustible walls first frame in opening.) Combustible Walls: Cut a 9" H x 9" W (244 x 244 mm) hole through the exterior wall and frame as shown, Figure 30. Noncombustible Walls: Hole opening must be 7" (178 mm) in diameter.

NOTE: When using flex vent, the opening will have to be measured according to the 1/2" (13 mm) rise in 12" (305 mm) vent run.

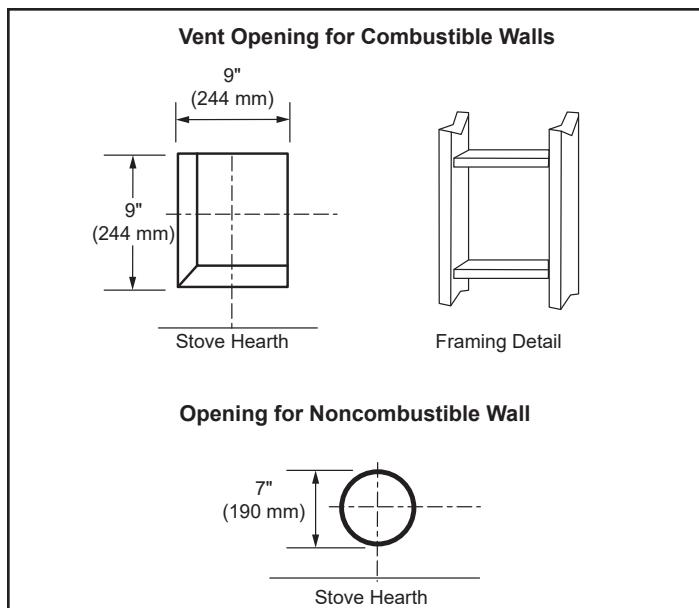


Figure 3.11 - Locate Vent Opening on Wall

2. Secure firestop to the inside frame, center in the 9" x 9" vent opening.
3. Place stove into position. Measure the vertical height (X) required from the base of the flue collars to the center of the wall opening, Figure 3.12

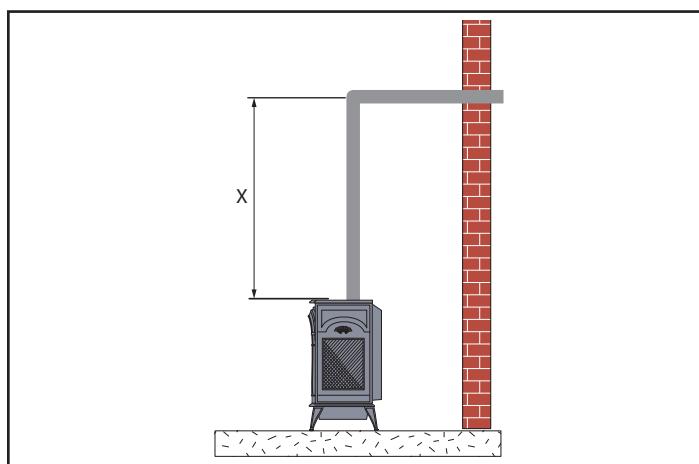


Figure 3.12 - Vertical Height Requirements

4. Using appropriate length of pipe section(s) attach to stove by twisting collar.
5. Measure the horizontal length requirement including a 2" (51 mm) overlap, i.e. from the elbow to the outside wall face plus 2" (51 mm) (or the distance required if installing a second 90° elbow), Figure 3.13.

NOTE: Always install vertical side wall horizontal venting with a 1/4" rise for every 12" of run.

6. Use appropriate length of pipe sections – telescopic or fixed – and install. The sections which go through the wall are packaged with the starter kit, and can be cut to suit if necessary.
7. Guide the vent terminations 4" and 6-5/8" collars into their respective vent pipes. Double check that the vent pipes overlap the collars by 1-1/2" (38 mm). Secure the termination to the wall with screws provided and caulk around the wall plate to weatherproof. As an alternative to screwing the termination directly to the wall, you may also use expanding plugs or an approved exterior construction adhesive.

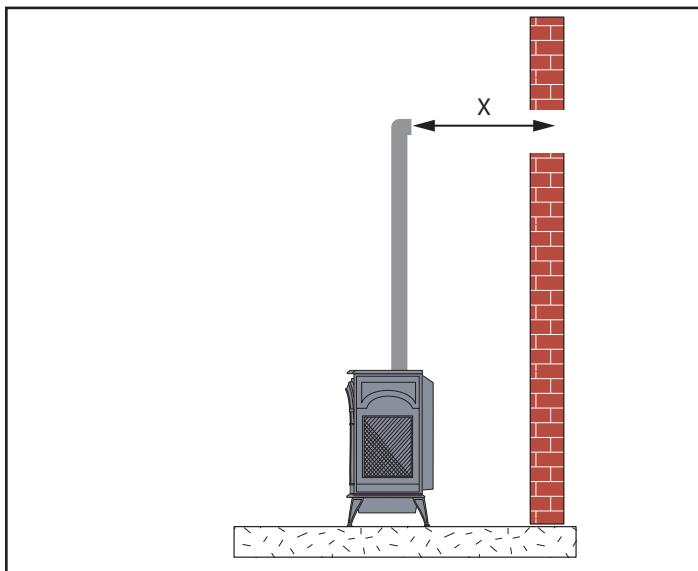


Figure 3.13 - Horizontal Length Requirement

NOTE: Support horizontal pipes every 5' (152 cm) with metal pipe straps.

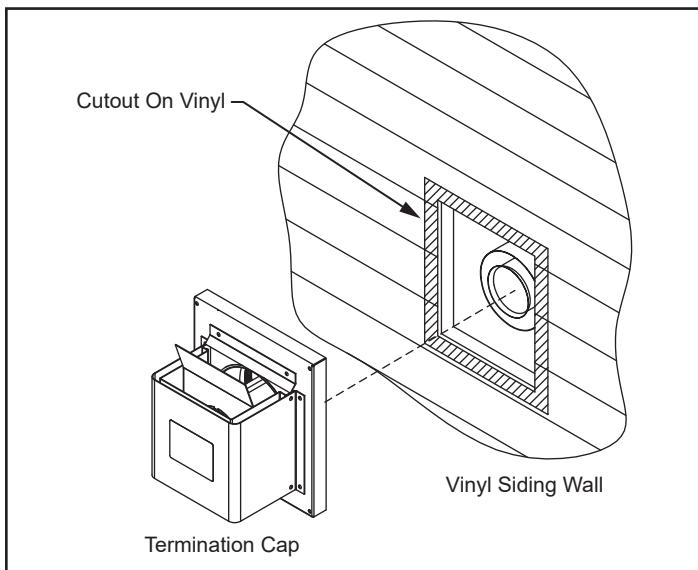


Figure 3.14 - Horizontal Termination Cap on a Vinyl Siding Wall

Vent Termination Below Grade:

Install Snorkel Kit #SLP-SNORK when it is not possible to meet the required vent termination clearances of 12" (305 mm) above grade level. The snorkel kit will allow installation depth of down to 7" (178 mm) below grade level. The seven inches is measured from the center of the horizontal vent pipe as it penetrates the wall. **If the venting system is installed below grade, a window well must be installed with adequate and proper drainage.**

NOTE: Be sure to maintain side wall clearances and vent run restrictions. Refer to Figures 2.3 thru 2.6.

1. Establish the vent hole through the wall.
2. Remove soil to a depth of approximately 16" (406 mm) below the base of the snorkel. Install a window well (not supplied). Refill the hole with 12" (305 mm) of coarse gravel and maintain a clearance of at least 4" (102 mm) below the snorkel, Figure 3.16.
3. Install the vent system as described in Figures 3.2 thru 3.9.
4. Be sure to make a watertight joint around the vent pipe joint at the inside and outside wall joints.
5. Apply high temperature sealant around the inner and outer snorkel collars. Join the pipes and fasten the snorkel termination to the wall with the screws provided.
6. Level the soil to maintain a 4" clearance below the snorkel.
7. If the foundation is recessed, use extension brackets (not supplied) to fasten the lower portion of the snorkel. Fasten the brackets to the wall first, and then fasten to the snorkel with self-tapping #8 x 1/2" sheet metal screws. Extend the vent pipes out as far as the protruding wall face, Figure 3.15.

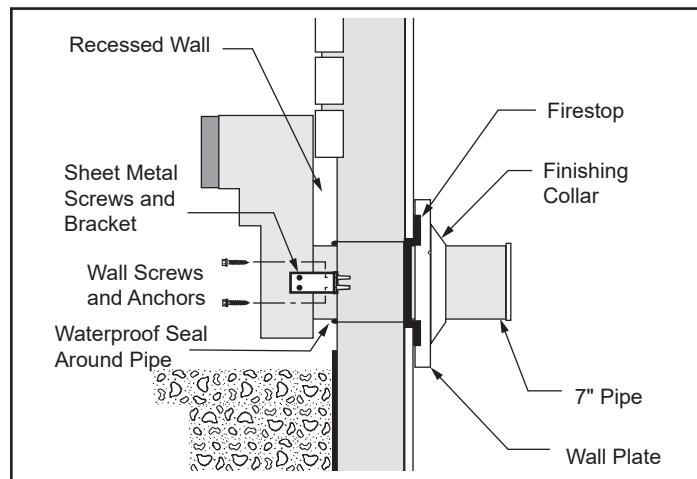


Figure 3.15 - Use extension brackets to mount snorkel against recessed wall.

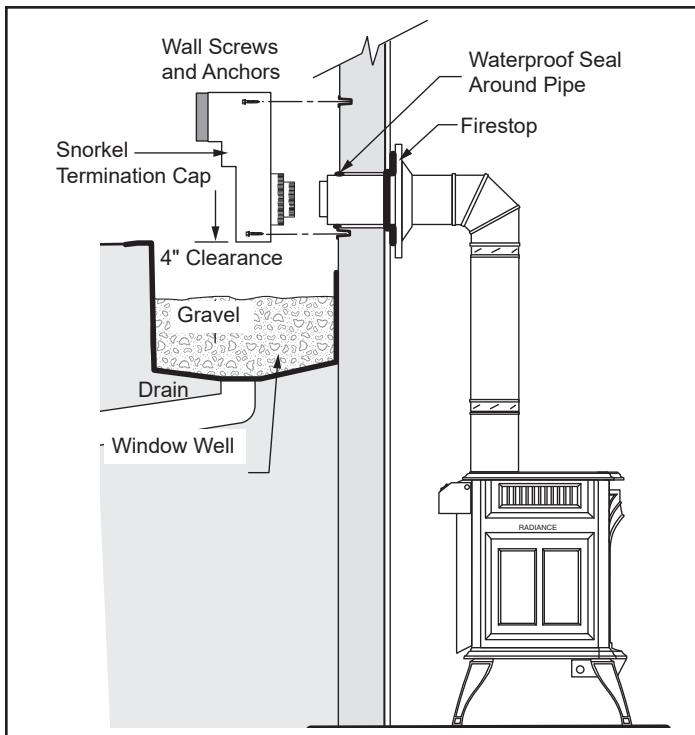


Figure 3.16 - Snorkel kit installation.

Vertical Through-The-Roof Application/Installation:

Note: Refer to Figures 2.8 thru 2.10 for restrictor plate adjustments for vertical vent runs.

This gas stove has been approved for:

- Vertical installations up to 40 feet (12 m) in height. Up to a 10 feet (3 m) horizontal vent run can be installed within the vent system using a maximum of two 90° elbows, Figure 3.17.
- Up to two 45° elbows may be used within the horizontal run. For each 45° elbow used on the horizontal plane, the maximum horizontal length must be reduced by 18" (450 mm).

Example: Maximum horizontal length:

$$\begin{aligned} \text{No elbows} &= 10' (3 \text{ m}) \\ 1 \times 45^\circ \text{ elbow} &= 8.5' (2.6 \text{ m}) \\ 2 \times 45^\circ \text{ elbows} &= 7' (2.1 \text{ m}) \end{aligned}$$

- A minimum of an 8 feet (2.5 m) vertical rise is required, Figure 3.17.
- Two sets of 45° elbow offsets may be used within the vertical sections. From 0 to a maximum of 8 feet (2.5 m) of vent pipe can be used between elbows, Figure 3.17.
- SLP-HVS supports offsets. This application will require that you first determine the roof pitch and use the appropriate starter kit. (Refer to Venting Components list.)
- The maximum angular variation allowed in the system is 270°, Figure 3.18
- For the minimum height of the vent above the highest point of penetration through the roof, Figure 3.18.

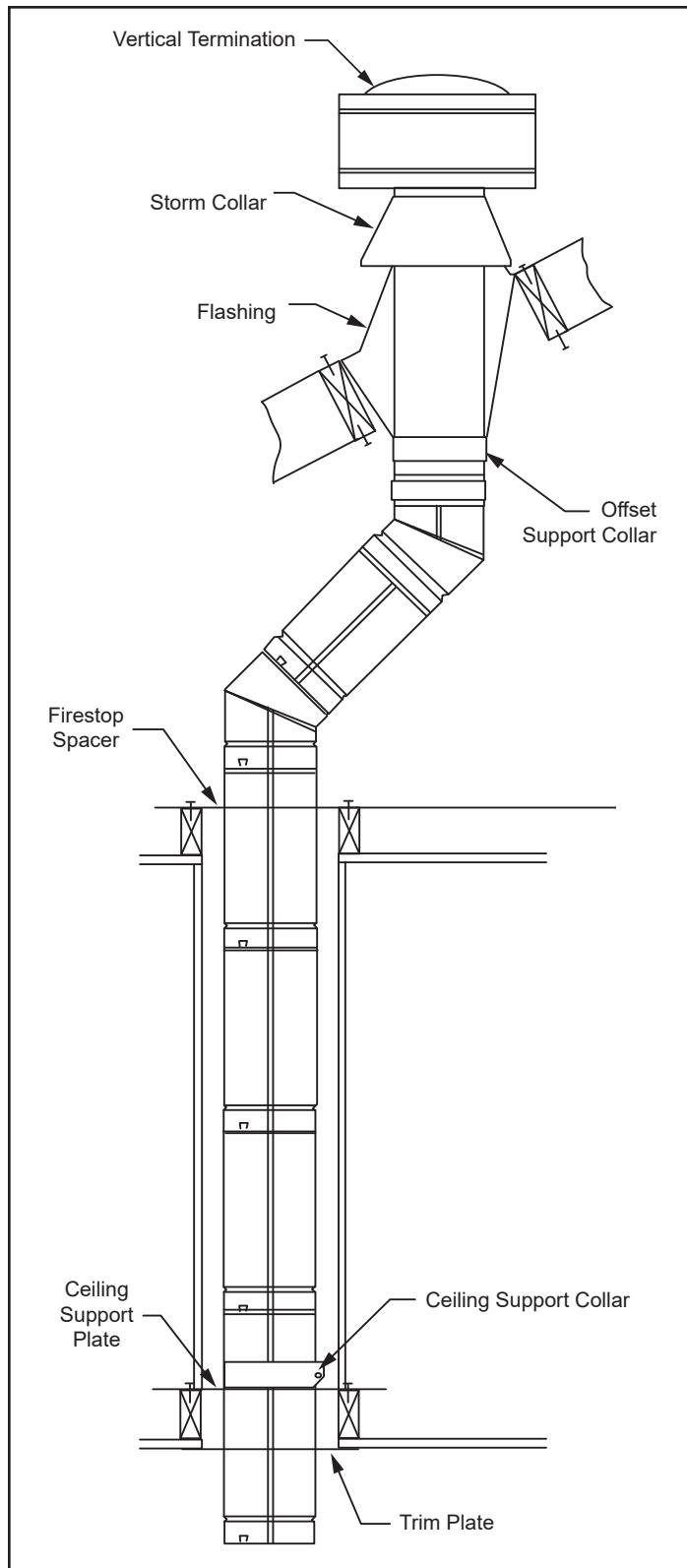
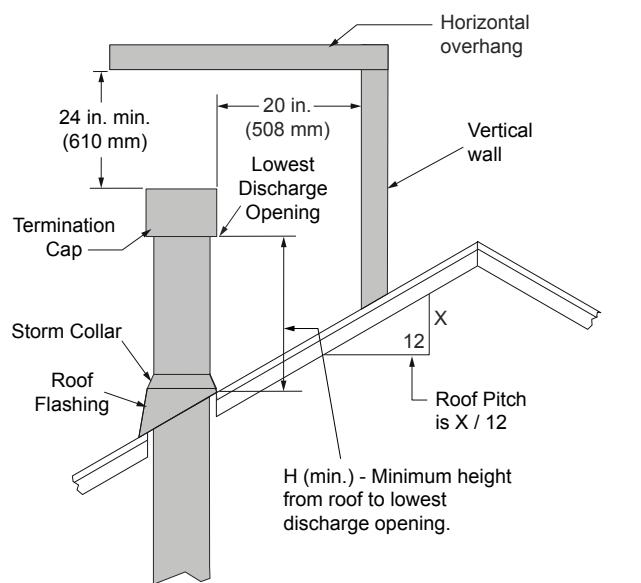


Figure 3.17 - Typical Vertical Venting Configuration



Roof Pitch	H (Min.) Ft.	Roof Pitch	H (Min.) Ft.
Flat to 6/12	1.0*	Over 11/12 to 12/12	4.0
Over 6/12 to 7/12	1.25*	Over 12/12 to 14/12	5.0
Over 7/12 to 8/12	1.5*	Over 14/12 to 16/12	6.0
Over 8/12 to 9/12	2.0*	Over 16/12 to 18/12	7.0
Over 9/12 to 10/12	2.5	Over 18/12 to 20/12	7.5
Over 10/12 to 11/12	3.25	Over 20/12 to 21/12	8.0

* 3 Feet. Minimum in Snow Regions

Figure 3.18 - Minimum Height from Roof to Lowest Discharge Opening

Venting System Assembly - Natural Vent

General Information

The heater is shipped from the factory as a Direct Vent Heater. It may be converted to a Natural Vent heater by installing the Model FSDHAGSLP Draft Hood Adapter.

The heater is approved for installation as a Natural Vent. Hearth & Home Technologies Direct Vent pipe could be used directly after the Draft Hood Adapter up to the ceiling, then B-vent pipe must be used. Do not mix types of B-vent pipe; use components from one maker or the other. Follow the vent component maker's instructions exactly. The heater will also accept standard or enameled 7" (150 mm) diameter pipe, around the Type B venting, for decorative purposes only, Figure 3.19.

NOTE: The restrictor plate supplied with the stove is not used for Natural Vent applications.

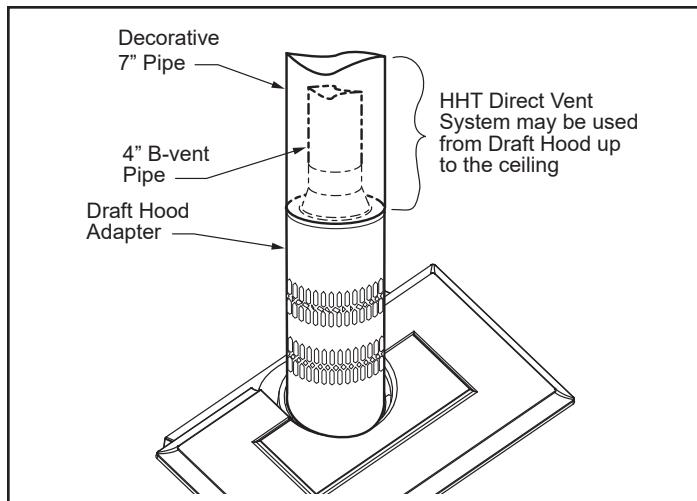


Figure 3.19 - Decorative 7" pipe may be fitted around the B-vent pipe.

The stove, when installed as a Natural vent heater, includes a vent safety switch. Operating the stove when it is not connected to a properly installed and maintained venting system, or tampering with or disconnecting the vent safety switch, can result in carbon monoxide (CO) poisoning and possible death.

For U.S. installations: The venting system must conform with local codes and/or the current National Fuel Gas Code, ANSI Z22.1.

For Canadian installations: The venting system must conform to the current CSA B149.1 installation code.

Install the Vent Pipe

Apply a bead of sealant around bottom end of inner starter pipe (found in bag with logset) and attach to stove. Apply a bead of sealant around top of inner starter pipe and install the FSDHAGSLP Draft Hood according to Draft Hood instructions, Figure 3.20.

Attach the first section of venting to the draft hood. Depending on the length of the individual venting sections and the lengths of the decorative pipe (if installed), you may need to slip the decorative pipe over the venting sections before attaching upper sections to lower ones. The sections of decorative pipe should be oriented with their seams (if any) toward the wall; sections usually do not need to be fastened at each joint, other than slip sections. If the layout includes a slip section, this should be the last section of pipe visible in the room, at the ceiling. Complete the venting according to the vent maker's instructions.

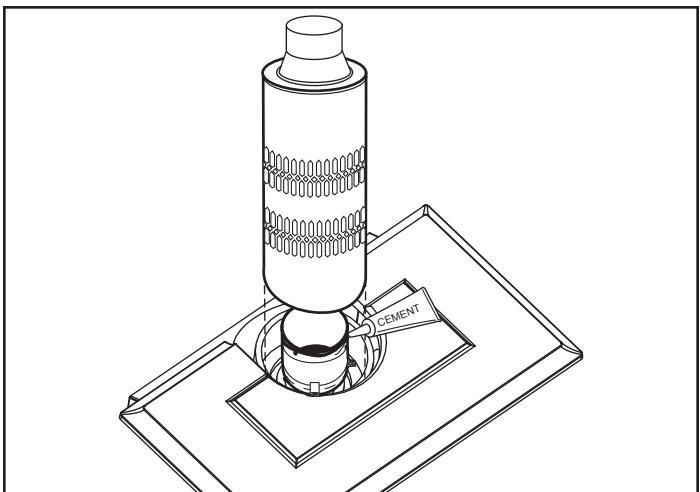


Figure 3.20 - Install draft hood adapter.

Class A Metal Chimney

Prior to installing the gas stove, ensure that the existing chimney is functionally sound and clean.

- Have the chimney and adjacent structure inspected and cleaned by qualified professionals. Hearth & Home Technologies recommends that NFI or CSIA certified professionals, or technicians under the direction of certified professionals, conduct a minimum of a NFPA 211 Level 2 inspection of the chimney.
- Replace component parts of the chimney and fireplace as specified by the professionals.

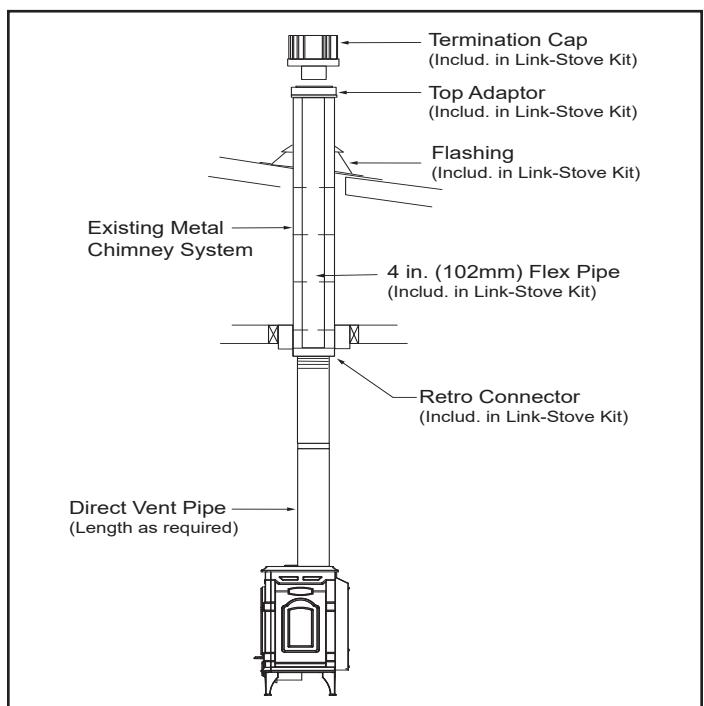


Figure 3.20

1. Remove existing chimney cap.
2. Measure the distance from the top of the chimney to the bottom of the ceiling support box, add 3 in. (76mm) to this measurement, and cut a section of 4 in. (101mm) flex pipe to that length (the flex should be fully extended).
3. Connect the end of the flex pipe section to the underside of the top adapter, using four sheet metal screws. See Figure 3.21.
4. Pass the flex pipe down through the center of the chimney system, and center the top adapter on the top of the chimney pipe. Drill four 1/8 in. (3mm) diameter holes through the top adapter, and into the chimney top. Ensure that you are drilling into the metal on the chimney. Twist lock the high wind termination cap onto the top adapter. See Figure 3.22 and Figure 3.23.

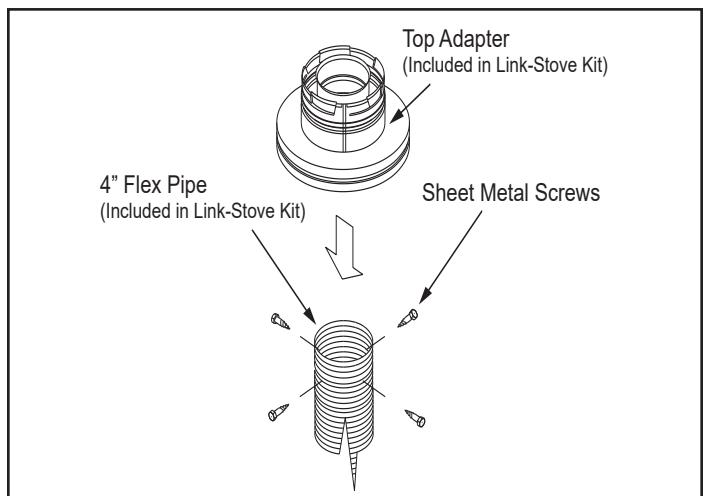


Figure 3.21

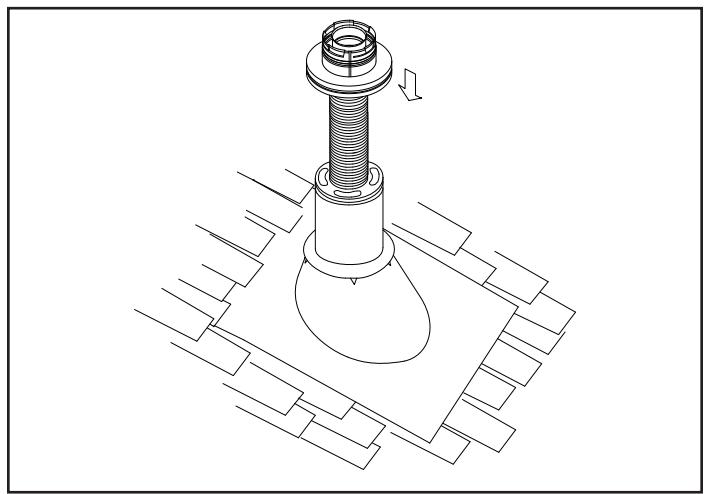


Figure 3.22

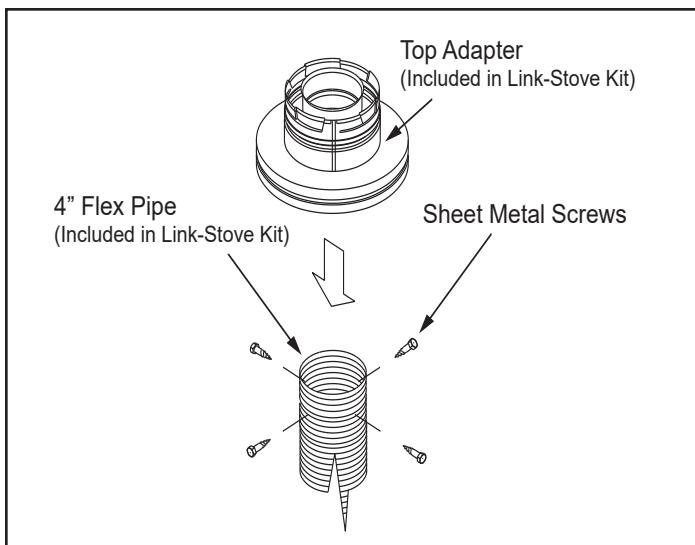


Figure 3.23

5. Pull the flex pipe down through the ceiling support box, until it protrudes approximately 3 in. (76mm). Connect the flex pipe to the retro connector, and attach with sheet metal screws.
6. Push the flex pipe back up into the ceiling support box, center the retro connector, and attach it to the support box with sheet metal screws.
7. The connection between the appliance and the retro connector may be completed with sections of direct vent pipe.

Existing Masonry Chimney

Prior to installing the gas stove, ensure that the existing chimney is functionally sound and clean.

- Have the chimney and adjacent structure inspected and cleaned by qualified professionals. Hearth & Home Technologies recommends that NFI or CSIA certified professionals, or technicians under the direction of certified professionals, conduct a minimum of a NFPA 211 Level 2 inspection of the chimney.
- Replace component parts of the chimney and fireplace as specified by the professionals.

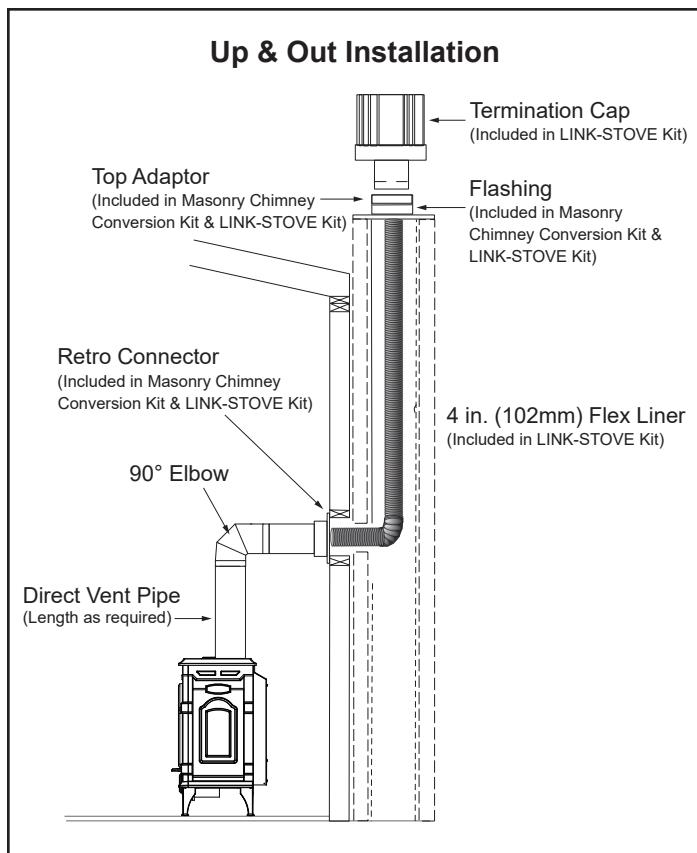


Figure 3.24

D. Log Set Installation

1. Remove the logs from their packaging, and inspect each piece for damage. **DO NOT INSTALL DAMAGED LOGS.**
2. Install the rear log by centering it to the rear of the firebox on the sheet metal shelf, Figure 3.25. The log should touch the back wall of the firebox when installed properly.
3. Place the right log by matching the hole on the underside of the right log with the pin located on top of the rear log, Figure 3.25. Set the front of the log on the burner and push toward the right side of the firebox, the front right corner of the log will touch the side wall of the firebox.
4. Place the left log by matching the hole on the underside of the left log with the pin located on top of the rear log, Figure 3.25. Set the front of the log on the burner and push toward the left side of the firebox, the front left corner of the log will touch the side wall of the firebox.
5. Lay the lava rocks in the open area of the burner in front of and between the decorative grate and the right and left logs. Use the lava rock to cover brackets on the burner, Figure 3.25.

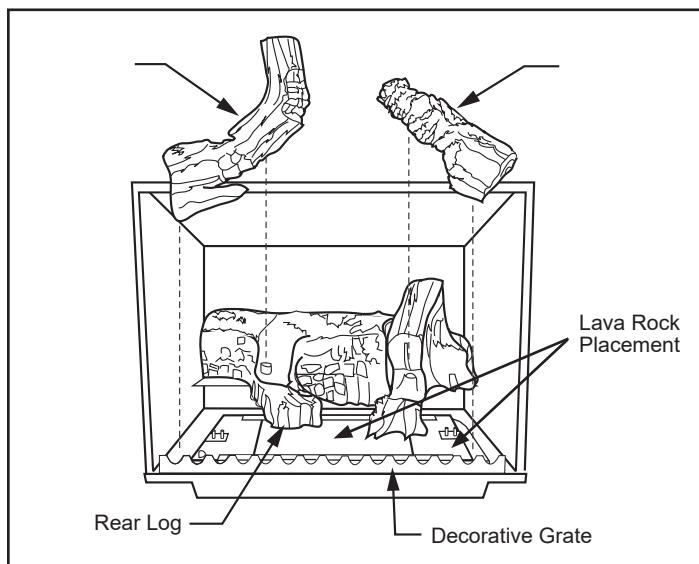


Figure 3.25 - Install the back, left and right logs.

4 Gas Information

A. Fuel Conversion

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

B. Gas Pressure

- Optimum appliance performance requires proper input pressures.
- Gas line sizing requirements will be determined in ANSI Z221.3 National Fuel Gas Code in the USA and CAN/CGA B149 in Canada.
- Pressure requirements are:

Gas Pressure	Natural Gas	Propane
Minimum Inlet Pressure	5.0 in. w.c.	11.0 in. w.c.
Maximum Inlet Pressure	10.0 in. w.c.	13.0 in. w.c.
Manifold Pressure	3.5 in. w.c.	10.0 in. w.c.

WARNING! Risk of Fire/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.



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.

Note: Have the gas supply line installed in accordance with local codes, if any. If not, follow ANSI 223.1. Installation should be done by a qualified installer approved and/or licensed as required by the locality. (In the Commonwealth of Massachusetts installation must be performed by a licensed plumber or gas fitter).

Note: A listed (and Commonwealth of Massachusetts approved) 1/2 inch (13 mm) T-handle manual shut-off valve and flexible gas connector are connected to the 1/2 inch (13 mm) control valve inlet.

- If substituting for these components, please consult local codes for compliance.

C. Gas Connection

- Pipe incoming gas line into valve compartment.
- Connect incoming gas line to the 1/2 in. (13 mm) connection on manual shutoff valve.

WARNING! Risk of Fire/Explosion! Support control when attaching pipe to prevent bending gas line.

- A small amount of air will be in the gas supply lines.

WARNING! Risk of Fire/Explosion! Gas build-up during line purge could ignite.

- Purge should be performed by a qualified technician.
- Ensure adequate ventilation.
- Ensure there are no ignition sources such as sparks or open flames.

Light the appliance. It will take a short time for air to purge from lines. When purging is complete the appliance will light and operate normally.

WARNING! Risk of Fire, Explosion or Asphyxiation! Check all fittings and connections with a non-corrosive commercially available leak-check solution. DO NOT use open flame. Fittings and connections could have loosened during shipping and handling.

WARNING! Risk of Fire! DO NOT change valve settings. This valve has been preset at the factory.

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 burner orifice 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).

E. Gas Supply Line Connection

Check the Rating Plate attached by a steel cable to the firebox, to confirm that you have the appropriate firebox for the type of fuel to be used. The Oxford may be converted from one gas to another using the appropriate Fuel Conversion Kit.



CAUTION

This appliance should only be connected by a qualified gas technician. Test to confirm manifold pressures as specified below.

The heater and its individual shutoff valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The heater must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressure equal to or less than 1/2 psig.

There must be a gas shutoff between the stove and the supply.

In order to connect Natural Gas, use a fitting with 3/8" NPT nipple on the valve side and 1/2" natural gas supply line with an input of 28,000 BTUs at a manifold pressure of 3.5" and minimum inlet supply for adjustment of 5.5" w.c.

In order to connect Propane, use a fitting with 3/8" NPT nipple on the valve side and 1/2" propane gas supply line with an input of 28,000 BTUs at a manifold pressure of 10.0" and minimum inlet supply for adjustment of 11.0" w.c.

In the U.S.: Gas connection should be made in accordance with current National Fuel Gas Code, ANSI Z223.1/NFPA 54. Since some municipalities have additional local codes, be sure to consult your local authority.

In Canada: consult the local authority and CSA-B149.1 installation code.



CAUTION

Always check for gas leaks with a mild soap and water solution. Do not use an open flame for leak testing.

Air Shutter Adjustment

The Oxford is shipped from the factory with the air shutter adjusted to the minimum allowed opening. Refer to Table 1. Based on the altitude where the stove is located, a shutter adjustment is acceptable to provide a mixed balance of flame color/glow. To adjust the shutter opening, follow the steps below.

NOTE: The air shutter may only be adjusted to a more open position. The factory setting is the minimum allowable air shutter opening, Figures 4.3 and 4.4.

**Table 1. Air Shutter Adjustment
Minimum rear injector inlet openings.**

Model	Natural Gas	Propane
Direct Vent	1/2"	1/2"
Natural Vent	1/2"	1"

To adjust the air shutter, the following procedures should be followed:

1. Remove barrier screen first by pulling out and up. Remove stove front. Lift stove front up and then swing bottom out and away to disengage from the stove body, Figure 4.1.
2. Swing open the swiveling latches at the top left and right corners of the glass frame.

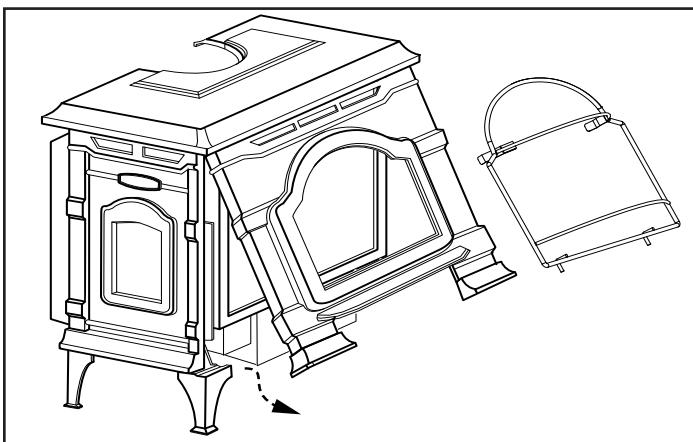


Figure 4.1 - Remove stove front.

Light the pilot according to the directions before going to the next step.

F. Burner Information

The appliance must only use the gas specified on the rating plate, unless converted using a Fuel Conversion Kit. Conversion instructions are provided with each kit.

3. Pull the top edge of the glass and frame assembly away from the firebox, and lift it off its supports on the bottom of the firebox face. Place the assembly out of the way on a flat, padded surface such as a counter protected by a towel.
4. Take the logset out of the firebox if previously installed.
5. Remove the rear log bracket by unfastening the screw, Figure 4.2.
6. Remove the right and left log bracket assembly by unfastening the two screws which hold the burner in place, Figure 4.2.
7. Hold the burner at the right hand side and lift to clear the right burner leg. Then pull to the right to clear the injectors on the left hand side.
8. The air shutter is located on the bottom of the burner to the left, Figure 4.2. Unfasten the two nuts holding the shutter in place.

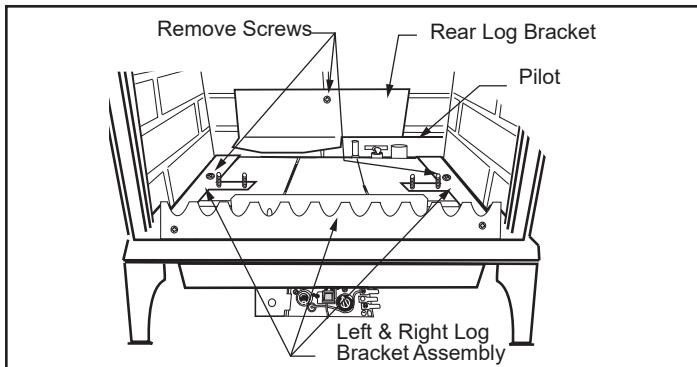


Figure 4.2 - Remove rear log bracket and left and right log bracket assembly.

The shutter may be adjusted between the factory adjusted 1/2" to fully open. Reassemble the shutter to allow the rear injector air inlet to close from the minimum 1/2" opening to fully open, Figure 4.4. You may have to try more than once to find the correct air shutter opening for best results depending on your altitude.

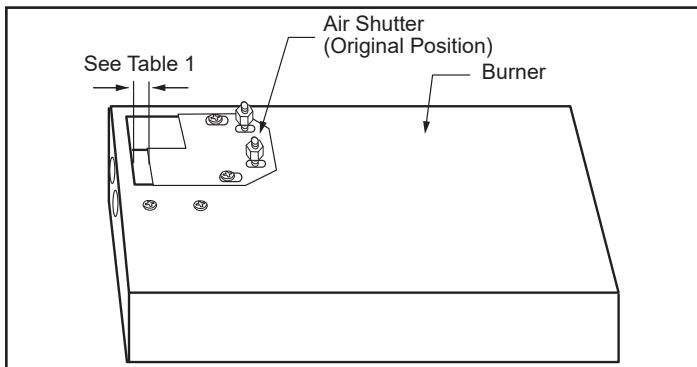


Figure 4.3 - Air shutter in original from-the-factory position.

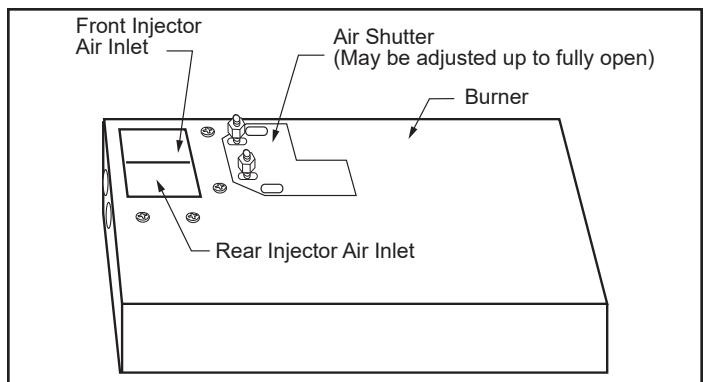


Figure 4.4 - Air shutter adjusted.

9. Refasten the two nuts and assemble the burner into the unit by sliding the burner in at an angle with the left side lower than the right side. Slide the left side onto the injectors. Lower the right hand side down into place. Make sure the burner is as far left as possible and the injector shoulders are inside the burner. **NOTE:** It is very critical to keep the left burner leg, which holds the injectors, at a 90° angle to the base, Figure 4.5. This keeps the orifices aligned with tubes on the inside of the burner. Failure to do so could affect the flame appearance and performance of the unit.

10. Refasten the right and left log bracket assembly.

11. Refasten the rear log bracket.

12. Replace logs.

13. Replace glass and stove front.

Follow lighting instructions. Check flame color appearance. **NOTE:** Allow stove to burn for at least 1/2 hour to establish full flame color.

Should color need further adjustment, repeat steps 1 - 12 for air shutter adjustment.

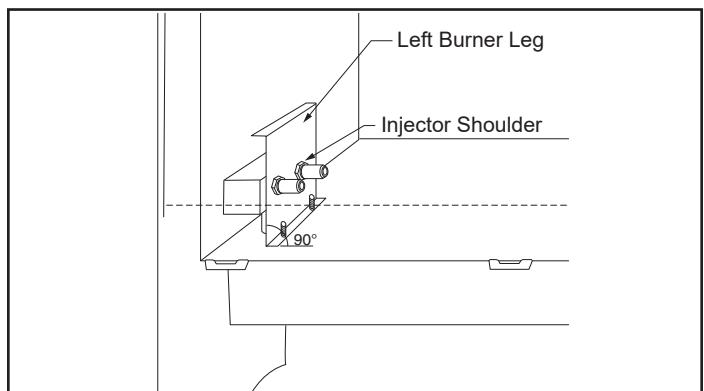


Figure 4.5 - Be sure to maintain 90° angle at left burner leg.

Complete the Assembly

- Open the swiveling latches (cams) on the top left and right corners of the glass frame.
- Position the glass and frame against the firebox by placing the bottom edge on the brackets on the bottom face of the firebox.
- Swing the assembly against the firebox, and close the latches firmly against the pins protruding from the firebox top.

G. Thermostat Connection (Optional) Millivolt

Use only a thermostat rated for 500 millivolts.

Check the table below for the appropriate gauge thermostat wire to use for the length of lead required in your installation.

Thermostat Wire / Gauge	Maximum Run
18	20 Feet
16	20-40 Feet
14	up to 60 Feet

1. Install the wall thermostat in the desired location and run the wires to the stove location. Terminate these leads with 1/4" female connectors.
2. Connect the thermostat wires to the valve, Figure 4.6.

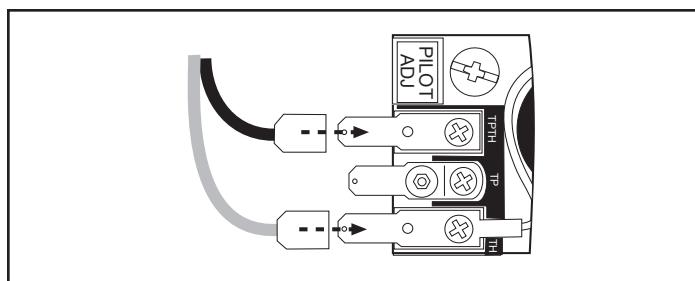


Figure 4.6 - Attach switch wires to valve (Millivolt).

Install the Stove Front

Insert the handle stub into the hole in the front casting. Fasten in place with the 3/8" locking nut provided, Figure 4.7.

The front attaches to the stove by four steel tabs that engage with corresponding cast ribs onto the sides and bottom of the stove body. Position the front about 3" down from stove top and lift the plate to engage the upper tabs behind the adjacent ribs on the sides, Figure 4.8. Then lower the front into position, so the lower tabs engage with the corresponding ribs at the bottom.

When properly installed, the bottom of the stove front cannot be pulled away from the sides without also lifting it.

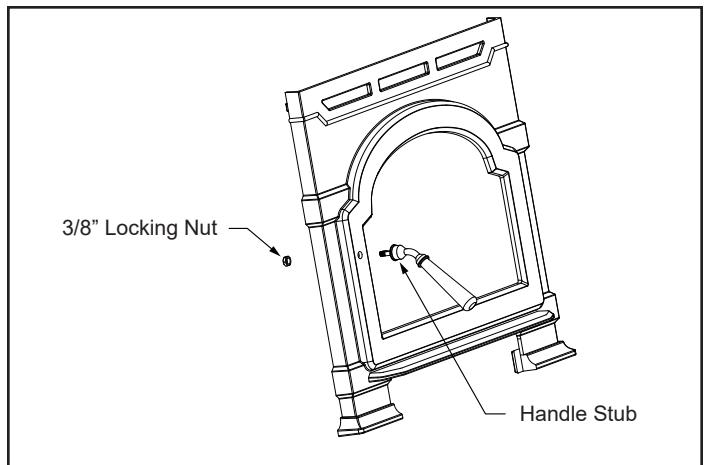


Figure 4.7 - Insert handle stub into hole in front. Secure with 3/8" locking nut.

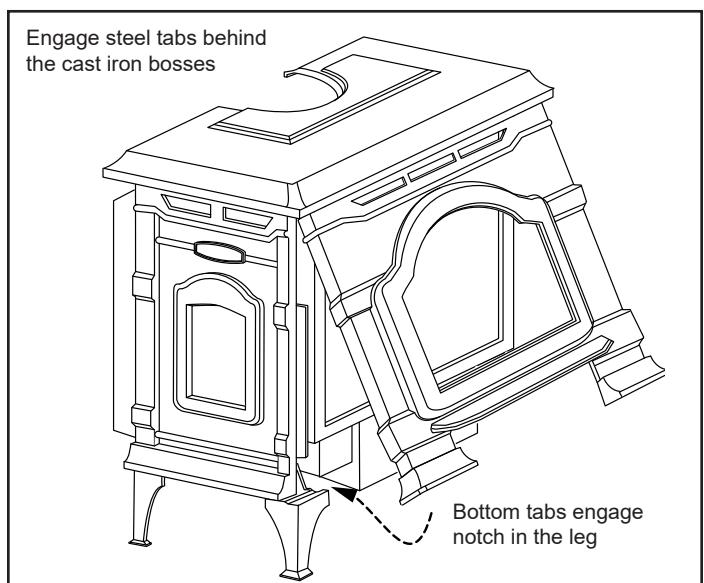


Figure 4.8 - Install the - front plate.

H. After Appliance is Lit

Initial Break-in Procedure

- The appliance should be run three to four hours continuously on high.
- Turn the appliance off and allow it to completely cool.
- Remove and clean fixed glass assembly. See "Lighting and Operating Instructions" Section F.
- Replace the fixed glass assembly and run continuously on high an additional 12 hours.

This cures the materials used to manufacture the fireplace.

NOTICE! Open windows for air circulation during appliance break-in.

- Some people may be sensitive to smoke and odors.
- Smoke detectors may activate.

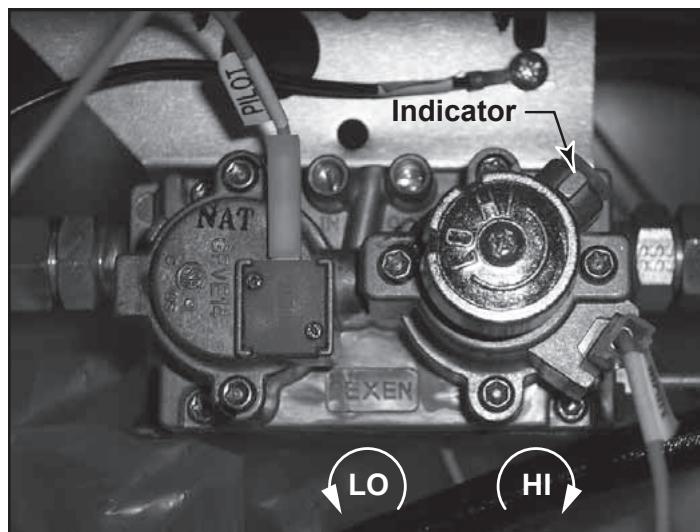


Figure 4.9

J. Frequently Asked Questions

Issue	Solutions
Condensation on the glass	This is a result of gas combustion and temperature variations. As the appliance warms, this condensation will disappear.
Blue Flames	This is a result of normal operation and the flames will begin to yellow as the appliance is allowed to burn for 20 to 40 minutes.
Odor from Appliance	When first operated, this appliance may release an odor for the first several hours. This is caused by the curing of materials from manufacturing. Odor may also be released from finishing materials and adhesives used near the appliance. These circumstances may require additional curing related to the installation environment.
Film on the Glass	This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 3 to 4 hours of initial burning. A non-abrasive cleaner such as gas appliance glass cleaner may be necessary. See your dealer.
Metallic Noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the appliance.
Is it normal to see the pilot flame burn continually?	In an IntelliFire ignition system (IPI), the pilot flame should turn off when appliance is turned off. Some optional control systems available with IPI models may allow pilot flame to remain lit.

I. Flame Adjustment Control

Some appliances come equipped with a high/low flame adjustment control.

- Open control access panel.
- Compare your valve to Figures 4.9.
- Adjust the flame by turning knob as indicated in the photo matching your valve.

5 Electrical Information

A. Wiring Requirements

NOTICE: This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code CSA C22.1**.

- Wire the appliance junction box to 110-120 VAC. This is required for proper operation of the appliance.
- A 110-120 VAC circuit for this product must be protected with ground-fault circuit-interrupter protection, in compliance with the applicable electrical codes, when it is installed in locations such as in bathrooms or near sinks.
- Low voltage and 110-120 VAC voltage cannot be shared within the same wall box.

WARNING! Risk of Shock or Explosion! DO NOT wire 110V to the valve or to the appliance wall switch. Incorrect wiring will damage controls.

B. Intellifire Ignition System Wiring

- Wire the appliance junction box to 110-120 VAC for proper operation of the appliance.

WARNING! Risk of Shock or Explosion! DO NOT wire IPI controlled appliance junction box to a switched circuit. Incorrect wiring will override IPI safety lockout.

- Refer to Figure 5.1, Intellifire Pilot Ignition (IPI) Wiring Diagram.
- This appliance is equipped with an Intellifire control valve which operates on a 3-volt system.
- Plug the 3-volt AC transformer into the appliance junction box to supply power to the unit OR install two D cell batteries (not included) into the battery pack before use.

NOTICE: Batteries should not be placed in the battery pack while using the transformer. Remove batteries before using the transformer, and unplug the transformer before installing the batteries. Battery polarity must be correct or module damage will occur.

C. Optional Accessories Requirements

- This appliance may be used with a wall switch, wall mounted thermostat and/or a remote control.

Wiring for optional Hearth & Home Technologies approved accessories should be done now to avoid reconstruction. Follow instructions that come with those accessories.

D. Electrical Service and Repair

WARNING! Risk of Shock! Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

WARNING! Risk of Shock! Replace damaged wire with type 105° C rated wire. Wire must have high temperature insulation.

E. IPI Wiring Requirements

Intellifire™ Pilot Ignition System Wiring

- Wire the appliance junction box to 110-120 VAC for proper operation of the appliance.

WARNING! Risk of Shock or Explosion! DO NOT wire IPI controlled appliance junction box to a switched circuit. Incorrect wiring will override IPI safety lockout.

- Refer to Figure 5.1, IPI Wiring Diagram.
- This appliance is equipped with an Intellifire™ Pilot control valve which operates on a 3-Volt system.
- Plug the 3-Volt transformer plug into the appliance junction box to supply power to the unit OR install (2) D cell batteries (not included) into the battery pack before use.

NOTICE: Batteries should only be used as a power source in the event of an emergency power outage. Batteries should not be used as a primary long-term power source. Battery polarity must be correct when installing batteries. When using batteries as a power source, the 3-Volt transformer must be unplugged from the receptacle.

Do not store batteries in the battery pack when the appliance is powered by the 3-Volt transformer connected to permanent electrical service.

Accessories Requirements

- Wiring for optional Hearth & Home Technologies approved accessories should be done now to avoid reconstruction. Follow instructions that come with those accessories.

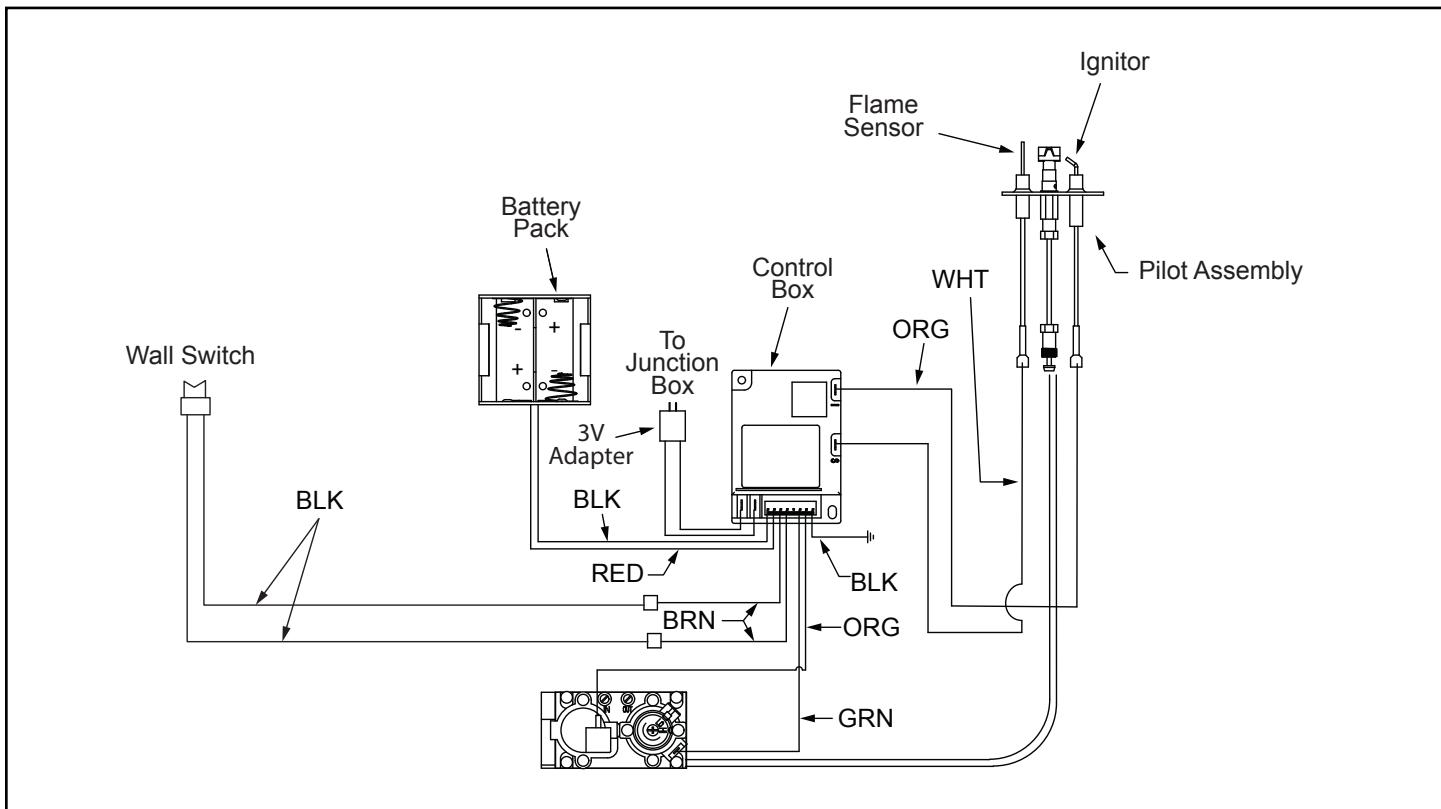


Figure 5.1 - Wiring Diagram

F. Fuel Conversion

- This appliance ships with a Natural Gas to Propane Conversions Kit with installation instructions included.
- 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.

G. Install the Safety Barrier



NOTE: 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. If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.* Any safety screen, guard, or barrier removed for servicing the appliance must be replaced prior to operating the appliance.

* See parts list for model number.

The safety barrier has been designed to work with the doors open or closed.

1. Remove screen from packaging.
2. Place the two bottom hooks over the bottom edge of the stove opening, Figure 5.2.
3. Press the screen against the stove snapping the two spring fingers until the screen fits securely in place.

NOTE: It is the responsibility of the installer to ensure the barrier is affixed to the stove at the time of installation.

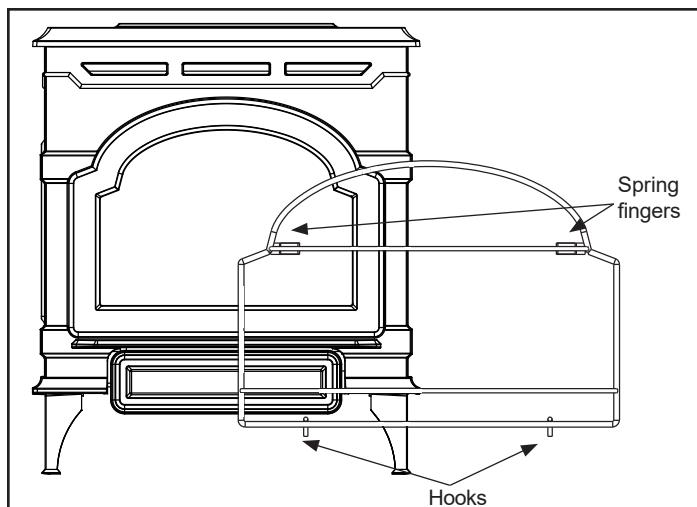


Figure 5.2 - Install safety barrier screen.



WARNING

The safety screen barrier must be installed after the glass front is in place. It is not a replacement for the glass and the unit must not be operated without the glass in place.

H. Install the Mesh and Grille

Place the mesh and grille on the top of the Oxford stove to complete assembly.



6 Operating Instructions

A. Operation

The Oxford is to be operated with the front glass in place. Ensure the safety barrier screen is in place during operation.

B. Lighting Instructions

Read these instructions carefully and familiarize yourself with the lighting instructions. *Section F, "Lighting and Operating Instructions"*. Locate the pilot assembly, Figure 6.1. Follow the lighting instructions in this manual exactly.

During the first fire, it is not unusual to smell some odor associated with new logs, paint and metal being heated. Odors should dissipate within the first eight to ten hours, however, you can open a window to provide fresh air to alleviate the condition.

C. Pilot and Burner Inspection

Each time you light your heater check that the pilot flame and burner flame patterns are as shown in Figure 6.2. If flame patterns are incorrect, turn the heater off. Contact your dealer or a qualified gas technician for assistance. Do not operate the heater until the pilot flame is correct.

Follow regular maintenance procedures as described in the Cleaning and Maintenance section of this manual.

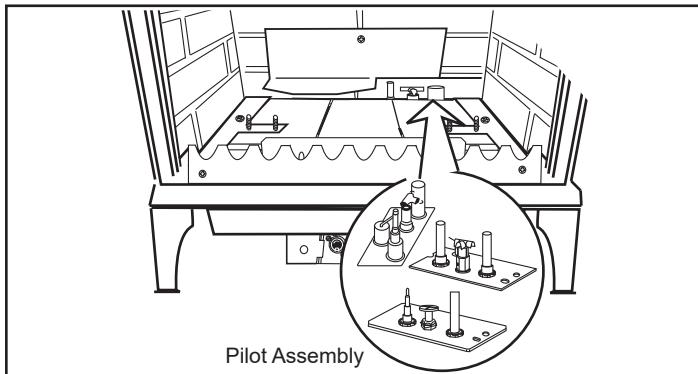


Figure 6.1 - Pilot assembly location.

D. Flame Characteristics

It is important to periodically perform a visual check of the pilot and the burner flames. Compare them to Figure 6.2. If any of the flames appear abnormal, call a service person.

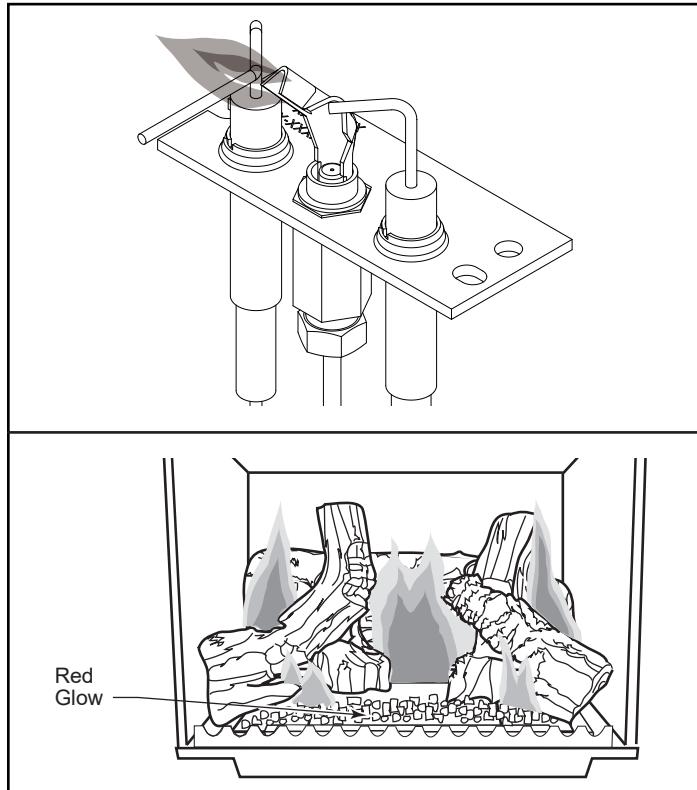


Figure 6.2 - Correct pilot and burner flame appearance.

E. Flame & Temperature Adjustment

For OXDV30 models which are equipped with HI/LO valves, flame adjustment is accomplished by rotating the HI/LO adjustment knob located near the center of the gas control valve, Figure 6.3.

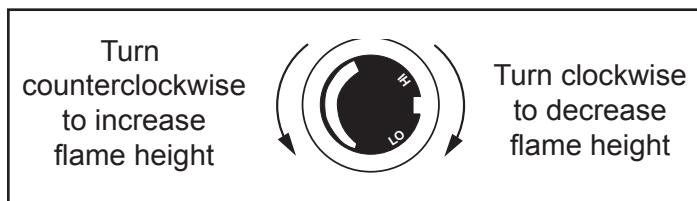


Figure 6.3 - Flame adjustment knob

F. Read Before Lighting

FOR YOUR SAFETY READ BEFORE LIGHTING



WARNING

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

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Refer to the instructions.
- B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

- Do not attempt 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 finger to push in the master switch. Never use tools. If the switch will not function by hand, do not try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.
 - D. Do not use this appliance if any part of it 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 that has been under water.

G. Lighting and Operating Instructions

LIGHTING AND OPERATING INSTRUCTIONS (MILLIVOLT ONLY)

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 heater has a pilot which must be lit manually. When lighting the pilot follow these instructions exactly.
- B. BEFORE LIGHTING smell all around the heater area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any stove
- 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 gas control knob. Never use tools. If the knob will not push in or turn by hand, do not try to repair it, call a qualified service technician. Applying force or any attempted repair may result in a fire or explosion.
- D. Do not use this stove if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.

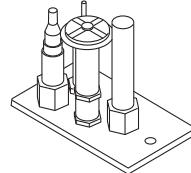
Lighting Instructions

1. **STOP!** Read the safety information above.
2. Turn off all electrical power to the stove.
3. Turn the On/Off switch to "OFF" position, set the remote to OFF or set thermostat to lowest level.
4. Open control access panel.
5. Push in gas control knob slightly and turn clockwise  to "OFF".



6. 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. If you do not smell gas, go to the next step.
7. Remove glass door before lighting pilot. (See Glass Frame Removal section).
8. Visibly locate pilot by the main burner.
9. Turn knob on gas control counter-clockwise  to "PILOT".

10. Push the control knob all the way in and hold. Immediately light the pilot by repeatedly depressing the piezo spark ignitor until a flame appears. Continue to hold the control knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 8.



- If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
 - If after several tries, the pilot will not stay lit, turn the gas control knob to "OFF" and call your service technician or gas supplier.
11. Replace glass door.
 12. Turn gas control knob to "ON" position.
 13. Turn the On/Off switch to "ON" position or set thermostat to desired setting.
 14. Turn on all electrical power to the stove.

To Turn Off Gas To Heater

1. Turn the On/Off switch to Off position or set the thermostat to lowest setting.
2. Turn off all electric power to the stove if service is to be performed.
3. Open control access panel.
4. Push in gas control knob slightly and turn clockwise  to "OFF". Do not force.
5. Close control access panel.

H. Lighting Instructions (IPI)

FOR YOUR SAFETY READ BEFORE LIGHTING



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

- A. This appliance is equipped with an intermittent pilot ignition (IPI) device which automatically lights the burner. **DO NOT** try to light the burner by hand.
- B. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

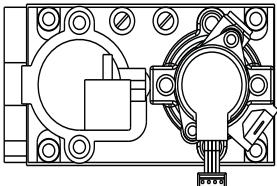
- **DO NOT** try to light any appliance.
- **DO NOT** touch any electric switch; do not use any phone in your building.

- Immediately call your gas supplier from a 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 gas control knob. Never use tools. If the knob will not push in or turn by hand, **DO NOT** try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. **DO NOT** use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS (IPI)

1. This appliance is equipped with an ignition device which automatically lights the burner. **DO NOT** try to light the burner by hand.

**GAS
VALVE**



2. 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 located on the top of this label. If you do not smell gas, go to next step.
3. To light the burner:
Equipped with wall switch: Turn ON/OFF switch to ON.
Equipped with remote or wall control: Press ON or FLAME button.
Equipped with thermostat: Set temperature to desired setting.
4. If the appliance does not light after three tries, call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Equipped with wall switch: Turn ON/OFF switch to OFF.
Equipped with remote or wall control: Press OFF button.
Equipped with thermostat: Set temperature to lowest setting.
2. Service technician should turn off electric power to the control when performing service.



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 shall be installed for the protection of children and other at-risk individuals.

WARNING:

DO NOT CONNECT LINE VOLTAGE (110/120 VAC OR 220/240 VAC) TO THE CONTROL VALVE.

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.

This appliance needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

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.

Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

CAUTION:

Hot while in operation. **DO NOT** touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

DO NOT operate the appliance with fixed glass assembly removed, cracked or broken. Replacement of the fixed glass assembly should be done by a licensed or qualified service person.

NOT FOR USE WITH SOLID FUEL

For use with natural gas and propane. A conversion kit, as supplied by the manufacturer, shall be used to convert this appliance to the alternate fuel.

Also Certified for Installation in a Bedroom or a Bedsitting Room.

This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the National Gas and Propane Installation code, CSA B149.1.

**For additional information on operating your
Hearth & Home Technologies fireplace, please
refer to www.hearthnhome.com.**

593-913J

I. Lighting Troubleshooting

SIT NOVA 820 MILLIVOLT VALVE

NOTE: Before trouble shooting the gas control system, be sure external gas shut off is in the "On" position.

Symptom	Possible Cause	Corrective Action
1. Spark ignitor will not light	A. Defective or misaligned electrode at pilot.	Using a match, light pilot. If pilot lights, turn off pilot and push the red button again. If pilot will not light - check gap at electrode and pilot-should be 1/8" to have a strong spark.
	B. Defective ignitor (Push Button)	With the control knob in the pilot position, push the control knob all the way and hold. Check for spark at electrode and pilot. If no spark to pilot, and electrode wire is properly connected, replace the battery in the ignitor module and try again. Refer to Maintenance Section. If the problem still exists, replace the ignitor module box.
2. Pilot will not stay lit after carefully following lighting instructions	A. Defective pilot generator (thermocouple), remote wall switch	Check pilot flame. Must impinge on thermocouple/thermopile. NOTE: This pilot burner assembly utilizes both a thermocouple and a thermopile. The thermocouple operates the main valve operation (On and Off). Clean and or adjust pilot for maximum flame impingement on thermopile and thermocouple.
	B. Defective automatic valve	Turn valve knob to "Pilot". Maintain flow to pilot; millivolt meter should read greater than 10mV. If the reading is okay and the pilot does not stay on, replace the gas valve. NOTE: An interrupter block (not supplied) must be used to conduct this test.
3. Pilot burning, no gas to main burner	A. Wall switch or wires defective	Check wall switch and wires for proper connections. Jumper wire across terminals at wall switch, if burner comes on, replace defective wall switch.. If okay, jumper wires across wall switch wires at valve, if burner comes on, wires are faulty or connections are bad.
	B. Thermopile may not be generating sufficient millivoltage	<ol style="list-style-type: none"> 1. Be sure wire connections form thermopile at gas valve terminals are tight and thermopile is fully inserted into pilot bracket. 2. One of the wall switch wires may be grounded. Remove wall switch wires from valve terminals if pilot now stays lit, trace wall switch wiring for ground. May be grounded to fireplace or gas supply. 3. Check thermopile with millivolt meter. Take reading at thermopile terminals of gas valve. Should read 250-300 millivolts (minimum 150) while holding valve knob depressed in pilot position and wall switch "Off". Replace faulty thermopile if reading is below specified minimum
	C. Plugged burner orifice	Check burner orifices for debris and remove.
	D. Defective automatic valve operator	Turn valve knob to "On", place wall switch to "On" millivolt meter should read greater than 150mV. If the reading is okay and the burner does not come on, replace the gas valve.
4. Frequent pilot outage problem	A. Pilot flame may be too low or blowing (high) causing the pilot safety to drop out	Clean and/or adjust pilot flame for maximum flame impingement on thermopile and thermocouple.
	B. Possible blockage of the vent terminal	Check the vent terminal for blockage (recycling the flue gases).

I. Lighting Troubleshooting (Continued)

Intellifire™ Ignition System

Symptom	Possible Cause	Corrective Action
Pilot won't light. The ignitor/module makes noise, but no spark.	Incorrect wiring.	Verify "S" wire (white) for sensor and "I" wire (orange) for ignitor are connected to correct terminals on module and pilot assembly.
	Loose connections or electrical shorts in the wiring.	Verify no loose connections or electrical shorts in wiring from module to pilot assembly. Verify connections underneath pilot assembly are tight; also verify connections are not grounding out to metal chassis, pilot burner, pilot enclosure, mesh screen if present, or any other metal object.
	Ignitor gap is too large.	Verify gap of igniter to right side of pilot hood. The gap should be approximately .095 in. (2.41 mm) to .135 in. (3.43 mm).
	Module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place a grounded wire about 3/16 in. (5 mm) away from "I" terminal on module. Place ON/OFF rocker switch or wall switch in ON position. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode. Replace pilot if necessary.
Pilot won't light, there is no noise or spark.	No power or power supply installed incorrectly.	Verify that power supply is installed and plugged into module. Check voltage of power supply under load at spade connection on module with ON/OFF switch in ON position. Acceptable readings of a good power supply are between 3.2 and 2.8 volts AC.
	A shorted or loose connection in wiring configuration or wiring harness.	Remove and reinstall the wiring harness that plugs into module. Verify there is a tight fit. Verify pilot assembly wiring to module. Remove and verify continuity of each wire in wiring harness. Replace any damaged components.
	Improper wall switch wiring.	Verify that 110/VAC power is "ON" to junction box.
	Module not grounded.	Verify black ground wire from module wire harness is grounded to metal chassis of appliance.
	Module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF rocker switch or wall switch in ON position. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine. Inspect pilot assembly for shorted sparker wire or cracked insulator around electrode.

Intellifire Ignition System - (continued)

Symptom	Possible Cause	Corrective Action
Pilot sparks, but Pilot will not light.	Gas supply.	Verify that incoming gas line ball valve is "open". Verify that inlet pressure reading is within acceptable limits.
	Ignitor gap is incorrect.	Verify gap of igniter to right side of pilot hood. The gap should be approximately .095 in. (2.41 mm) to .135 in. (3.43 mm).
	Module is not grounded.	Verify module is securely grounded to metal chassis of appliance.
	Module voltage output/Valve/Pilot solenoid ohms readings.	Verify battery voltage is at least 2.7 volts. Replace batteries if voltage is below 2.7.
Pilot lights but continues to spark, and main burner will not ignite. (If the pilot continues to spark after the pilot flame has been lit, flame rectification has not occurred.)	A shorted or loose connection in flame sensing rod.	Verify all connections to wiring diagram in manual. Verify connections underneath pilot assembly are tight. Verify connections are not grounding out to metal chassis, pilot burner, pilot enclosure or screen if present, or any other metal object.
	Poor flame rectification or contaminated flame sensing rod.	With fixed glass assembly in place, verify that flame is engulfing flame sensing rod on left side of pilot hood. Flame sensing rod should glow shortly after ignition. Verify correct pilot orifice is installed and gas inlet is set to pressure specifications.
	Module is not grounded.	Verify module is securely grounded to metal chassis of appliance. Verify that wire harness is firmly connected to the module.
	Damaged pilot assembly or contaminated flame sensing rod.	Verify that ceramic insulator around the flame sensing rod is not cracked, damaged, or loose. Verify connection from flame sensing rod to white sensor wire. Clean flame sensing rod with emery cloth to remove any contaminants that may have accumulated on flame sensing rod. Verify continuity with a multimeter with ohms set at lowest range. Replace pilot if any damage is detected.
	Module.	Turn ON/OFF rocker switch or wall switch to OFF position. Remove ignitor wire "I" from module. Place ON/OFF rocker switch or wall switch in ON position. If there is no spark at "I" terminal module must be replaced. If there is a spark at "I" terminal, module is fine.

J. Burner, Pilot & Control Compartment

WARNING

Turn off gas before servicing stove. It is recommended that a qualified service technician perform these check-ups at the beginning of each heating season

Keep the control compartment and burner areas clean by vacuuming or brushing at least twice a year. Make sure the burner porting, pilot air opening and burner air opening are free of obstructions at all times.

Pilot Flame

The flames from the pilot should be visually checked as soon as the heater is installed and periodically during normal operation. The pilot flame must always be present when the stove is in operation, Figure 6.4. The pilot flame has three distinct flames, one engulfing the sensor, one engulfing the thermopile, and the other reaching to the main burner.

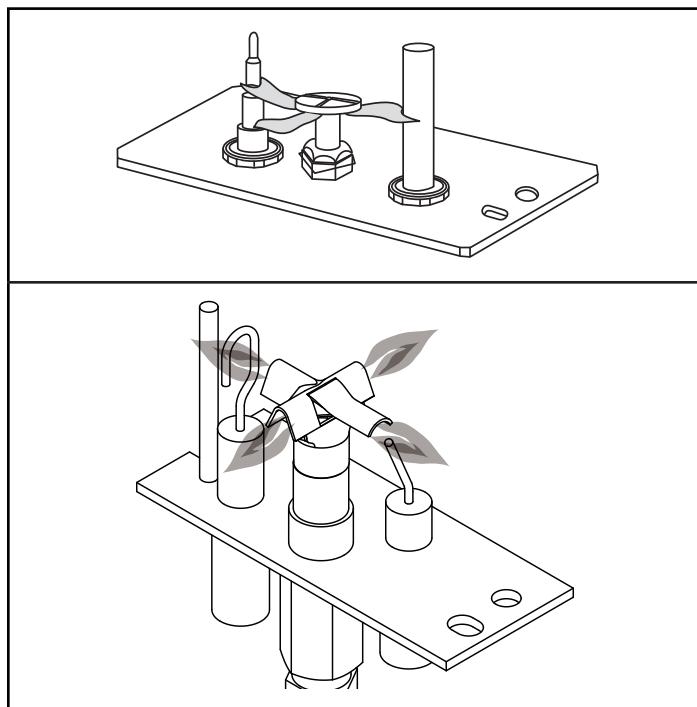


Figure 6.4 - Pilot Flame

Burner

Inspect area around the injector. Remove any lint or foreign material with a brush or vacuum.

Burner Flame

The flames from the burner should be visually checked as soon as the heater is installed and periodically during normal operation. In normal operation, at full rate, and after operating for about 15 to 30 minutes, the flame should be yellow.

NOTE: The type of installation, vent system configuration, and wind effects may cause the flame patterns to vary.

7 Cleaning and Maintenance

Your Oxford Gas Heater will provide years of service with minimal upkeep. The following procedures will help ensure that your stove continues to function properly.

A. Annual System Inspection

Have the entire heater and venting system inspected annually by a qualified gas technician. Replace any worn or broken parts.

B. Logset & Burner / Cleaning & Inspection

Cleanliness is critical to the proper function of the heater. The logset and burner must all be kept free of dust and unobstructed by debris. Inspect these areas before each use and clean as necessary.

1. Turn the burner OFF and let the heater cool completely before cleaning.
2. Remove the safety barrier and lift the stove front up and then swing the bottom out to disengage it from the heater shell.
3. Carefully remove the glass and frame assembly and place it out of the way on a flat, padded surface such as a counter protected by a towel.
4. Carefully inspect the Logs for damage. Contact your local dealer if any damage is evident.
5. Use a soft bristled brush to sweep dust or debris from the Logs, Pilot and Burner. Use care as the logs are fragile and susceptible to damage.
6. Replace the glass panel and frame assembly.
7. Replace the stove front and safety barrier.

C. Care of Cast Iron

An occasional dusting with a dry rag will help keep the painted surfaces looking new. Use high-temperature stove paints, available through your local dealer, to touch-up areas as needed. Clean areas to be painted with a wire brush and be sure to cover the logs, burner and valve assembly, glass and frame assembly. Apply the paint sparingly; two light coats of paint will give better results than a single heavy coat.

Clean porcelain enamel surfaces with a soft, damp cloth. Do not use abrasive cleaning agents. If necessary, use only a cleaning agent formulated especially for use on porcelain enamel surfaces.



CAUTION

Turn the pilot off before painting. Allow the heater to cool completely before painting.

D. Cleaning the Glass

It will be necessary to clean the glass periodically. During start-up, condensation, which is normal, forms on the inside of the glass and causes lint, dust and other airborne particles to cling to the glass surface. Also initial paint curing may deposit a slight film on the glass. It is therefore recommended that the glass be cleaned two or three times with a non-ammonia household cleaner and warm water (we recommend gas stove glass cleaner). After that the glass should be cleaned two or three times during each heating season depending on the circumstances present.

NOTE: Clean glass after first two weeks of operation.



WARNING

Allow the glass to cool completely before attempting to clean.



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 shall be installed.

E. Glass Replacement

Replace glass only with HHT approved parts. Refer to Section 9 "Service Parts List" for correct glass. Remove the front, glass frame and glass panel, Figures 7.1 & 7.2. Use a razor blade to separate the glass and gasket from the frame.

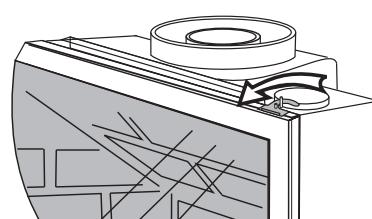


Figure 7.1 - Release the latches to release the glass frame.

F. Gasket Replacement

The heater uses a 'tadpole' type gasket to seal between the glass panel and the frame. In time, this gasket can become brittle and compressed and should be replaced. New gasket is available from your dealer.

Shut off the gas supply and allow the stove to cool. Wear safety goggles and a dust mask.

1. Remove the Front, Glass Frame and Glass Panel. (Figures 7.1 & 7.2) Remove the old gasket. Use a razor blade to separate the glass and gasket from the frame, and to clean the glass of any remaining cement or bits of gasket. Use a cold chisel if necessary.
2. Determine the correct length of gasket by laying it out around the edge of the glass. Allow an extra 1 - 2" (25-50 mm). Mark the spot to be cut. Use a utility knife.
3. Starting on a long edge, remove about 6" of the protective paper strip and apply the flat adhesive face of the gasket around the outside-facing edge of the panel. Continue around the panel, applying about 6" at a time and being careful to not stretch the material. Do not overlap the gasket ends, Figure 7.2.
4. Apply a thin bead of high temperature silicone rubber sealant along the inside corner of the glass frame, all around the perimeter. Place the flat gasketed side of the glass panel back into the steel frame. Pinch the rounded inside-facing gasket material to bulk it up.
5. Replace the glass frame and front panel as previously described.

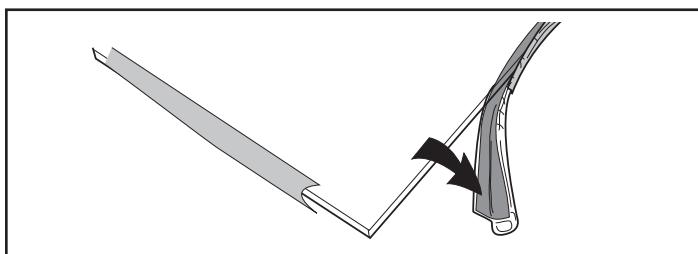


Figure 7.2 - Wrap the gasket material around the outside edge of the glass.

G. Check the Gas Flame Regularly

To ensure that the stove is operating properly, check the flames periodically to confirm they match Figure 7.3. The flames will be blue during the first 15-20 minutes of operation, and will gradually turn to yellow after that.

Do not use your stove if the flame pattern differs from that shown. Contact your dealer or a qualified technician for help.

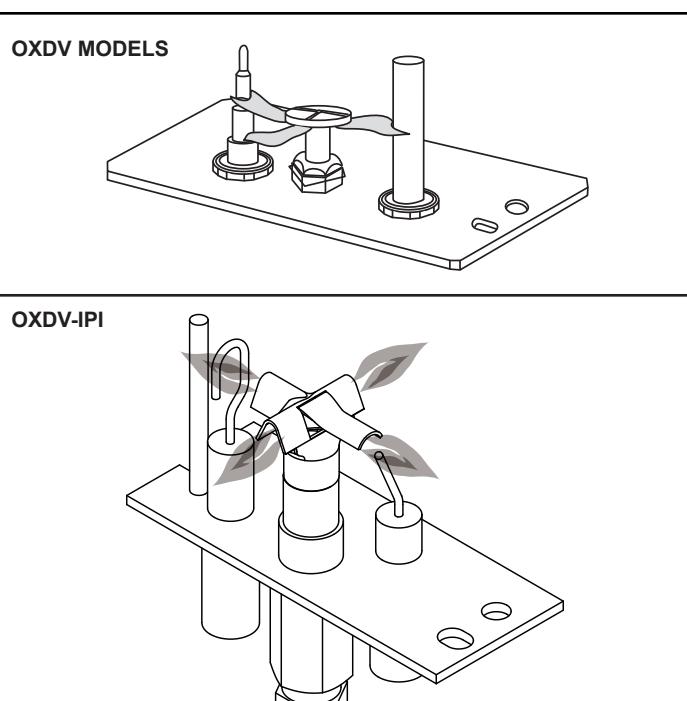


Figure 7.3 - IPI Flame Pattern

H. Stove Disassembly

If there is ever a need to remove the firebox assembly from the stove shell, support the firebox with solid stands about 6" (150 mm) tall under the left and right outer edges of the firebox base. Do not set the firebox assembly directly on the floor; this can damage the control valve and/or the gas lines from the valve to the firebox.

Before removing the firebox from the shell, disconnect the on/off switch wires from the valve. If the assembly includes the optional fan, disconnect the fan rheostat. If the installation includes a wall thermostat, disconnect the thermostat leads from valve.

Disconnection and reconnection to the gas line should only be done by a qualified gas service technician.

Upon reinstallation, the vent system must be sealed to the firebox as shown in the installation section. Also be sure the logs are placed in the firebox correctly.

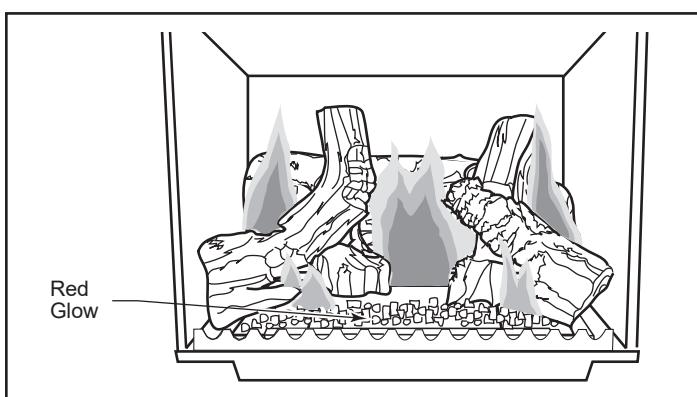


Figure 7.4 - Correct flame pattern.

I. Maintenance Frequency

Venting

Frequency: Seasonally

By: Homeowner

Tools needed: Protective gloves and safety glasses.

- Inspect venting and termination cap for blockage or obstruction such plants, bird nests, leaves, snow, debris, etc.
- Verify termination cap clearance to subsequent construction (building additions, decks, fences, or sheds).
- Inspect for corrosion or separation.
- Verify weather stripping, sealing and flashing remains intact.
- Inspect draft shield to verify it is not damaged or missing.

Maintenance Tasks-Service Technician

The following tasks must be performed by a qualified technician.

Gasket Seal and Glass Assembly Inspection

Frequency: Annually

By: Service Technician

Tools needed: Protective gloves, drop cloth and a stable work surface.

- Inspect gasket seal and its condition.
- Inspect fixed glass assembly for scratches and nicks that can lead to breakage when exposed to heat.
- Confirm there is no damage to glass or glass frame. Replace as necessary.
- Verify that fixed glass assembly is properly retained and attachment components are intact and not damaged. Replace as necessary.

Logs

Frequency: Annually

By: Service Technician

Tools needed: Protective gloves.

- Inspect for damaged or missing logs. Replace as necessary.
- Verify correct log placement and no flame impingement causing sooting. Correct as necessary.

Burner Ignition and Operation

Frequency: Annually

By: Service Technician

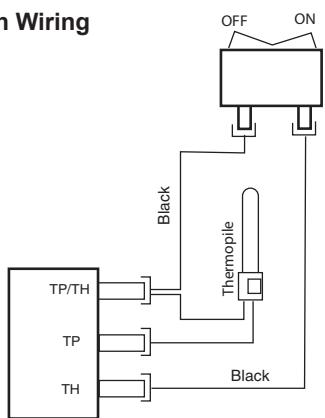
Tools needed: Protective gloves, vacuum cleaner, whisk broom, flashlight, voltmeter, indexed drill bit set, and a manometer.

- Verify burner is properly secured and aligned with pilot or igniter.
- Clean off burner top.
- Verify batteries have been removed from battery back-up IPI systems to prevent premature battery failure or leaking.
- Check for smooth lighting and ignition carryover to all ports. Verify that there is no ignition delay.
- Inspect for lifting or other flame problems.
- Verify air shutter setting is correct. See Section “4-F Burner Information” for required air shutter setting. Verify air shutter is clear of dust and debris.
- Inspect orifice for soot, dirt and corrosion. Verify orifice size is correct. See Service Parts List for proper orifice sizing.
- Verify manifold and inlet pressures. Adjust regulator as required.
- Inspect pilot flame pattern and strength. See Figure 7.3 for proper pilot flame pattern. Clean or replace orifice spud as necessary.
- Inspect IPI flame sensing rod for soot, corrosion and deterioration. Polish with fine steel wool or replace as required.
- Verify IPI millivolt output. Replace as necessary.

8 Wiring Diagrams

Millivolt Wiring Diagrams

On/Off Switch Wiring



Optional Thermostat Wiring

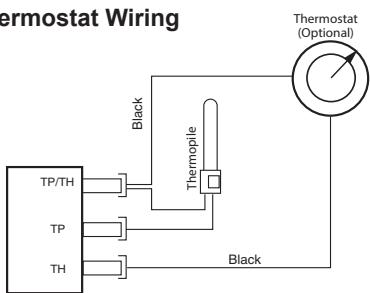


Figure 8.1 - On/Off switch and optional thermostat circuit.

NOTE: IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THE APPLIANCE, MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE SF-2, 200° WIRE OR ITS EQUIVALENT.

Safety Limit Switch

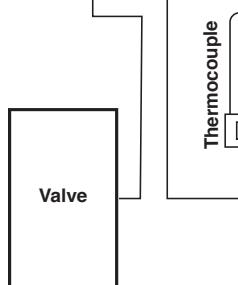
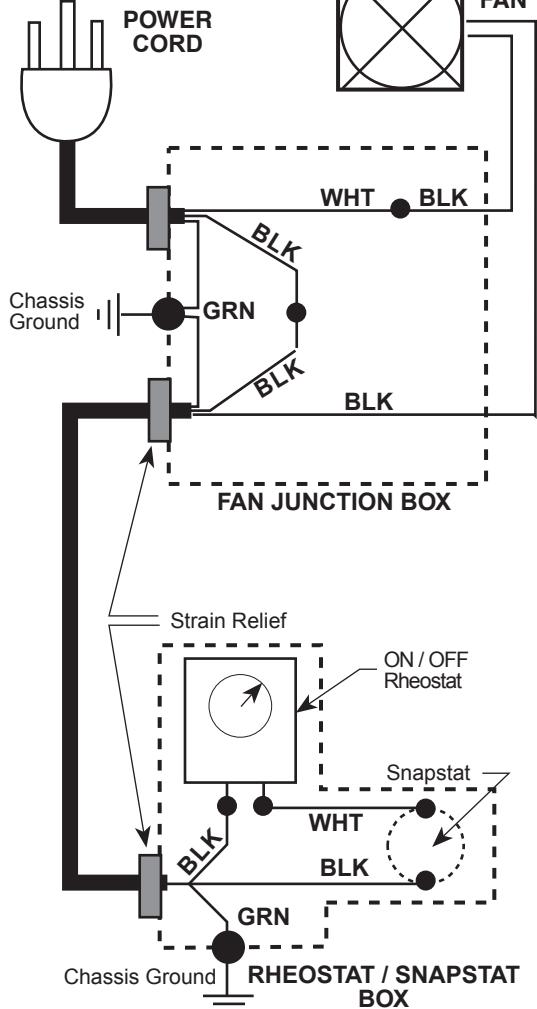


Figure 8.2 - Draft hood adapter wiring. Refer to Section 5 "Electrical Information" Figure 5.1.



Schematic Diagram

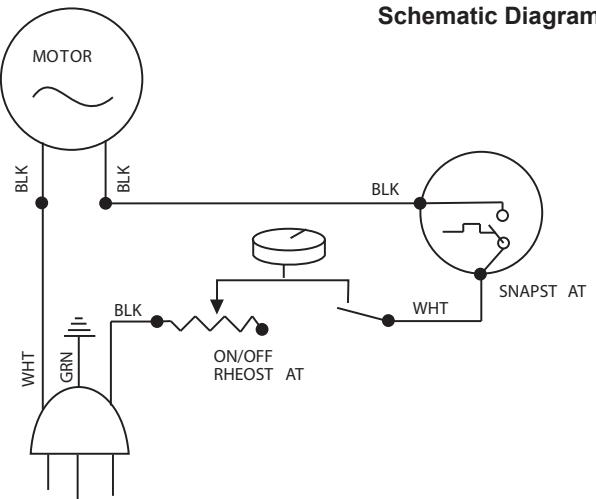
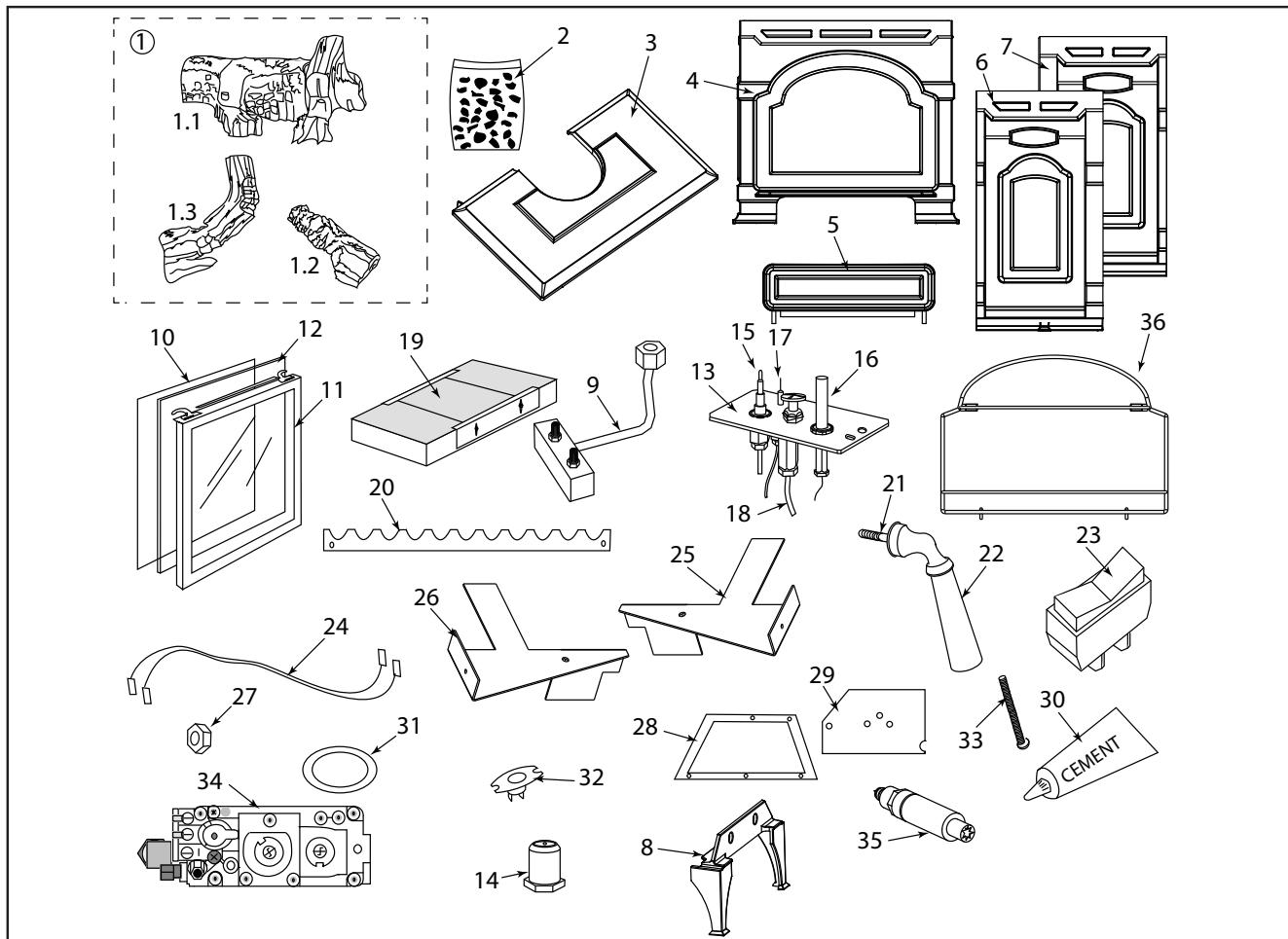


Figure 8.3 - Fan circuit.



Service Parts

OXDV30SP

Oxford Direct Vent Gas Stove
With Screen BarrierBeginning Manufacturing Date: June 2017
Ending Manufacturing Date: Active

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

Stocked
at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Gas Log Assembly		20003458K	
1.1	Rear Log		20003459K	
1.2	Right Log		20003460K	
1.3	Left Log		20003461K	
2	Lava Rock Splinters		57897K	Y
3	Top		30001925A	
4	Front		30001928A	
5	Door		30001929A	
6	End, Right		30001927A	
7	End, Left		30001926A	
8	Leg		30001930A	
9	Manifold Assembly		20003739	Y

Additional service parts on following page

9/20


**Stocked
at Depot**

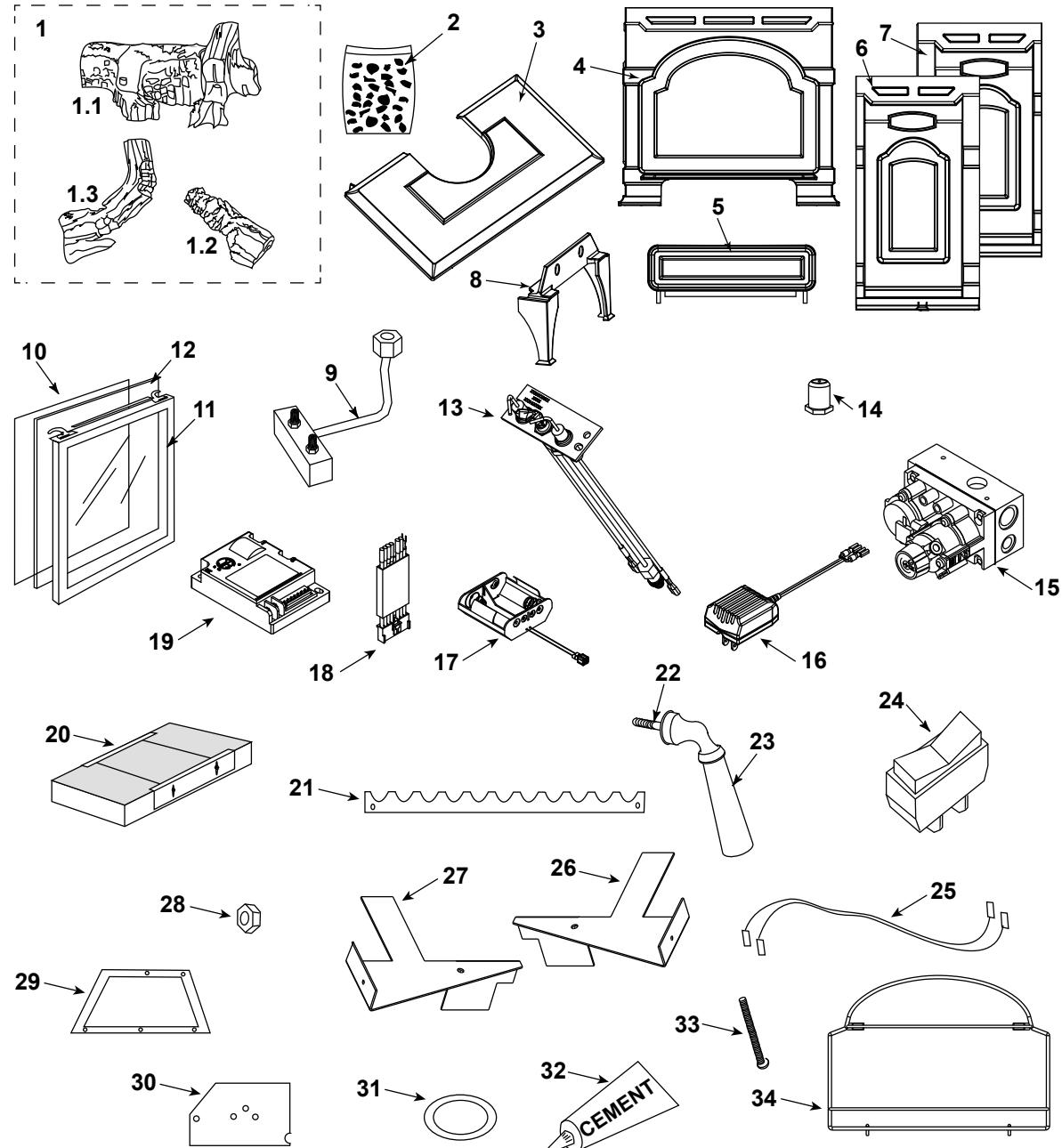
IMPORTANT: THIS IS DATED INFORMATION. Parts must be ordered from a dealer or distributor.
Hearth and Home Technologies does not sell directly to consumers. Provide model number and serial number when requesting service parts from your dealer or distributor.

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
10	Glass		1601691	Y
11	Glass Frame Assembly		30000127	Y
12	Gasket, Glass, Medium Knit		1203702K	
13	Pilot Assembly, 3 Way	N/DV RN 0.199.706	SRV10002264	Y
		N/DV RP 0.199.703	SRV10002265	Y
14	Orifice Hood, Rear	#54 - LP	20000130	Y
		#44 - NG	SRV30000334	Y
	Orifice Hood, Front	#69 - LP	30000513	Y
		#54 - NG	20000130	Y
15	Thermocouple 24"		SRV24D0808	Y
16	Thermocouple 18" RS		SRV26D0566	Y
17	Electrode Ignitor w/Cable SIT24		10001297	Y
18	Tubing Pilot w/Fittings, 1/8x24"		26D0665	Y
19	Burner Housing Assembly	NG/LP	20002214K	Y
	Ceramic Burner Tile		SRV57803	Y
20	Grate, Burner		20002167	
21	Ashdoor Handle Assembly		5004241	
22	Handle, Damper	Maple Wood, Black	1600664	Y
23	Switch ON/OFF		30000874	Y
24	Wiring Harness		10002582	Y
25	Right Log Bracket		20002166	
26	Left Log Bracket		20002165	
27	Nut, Hex Jam 3/8-16 TOPLK-Z	Pkg of 10	1203290-10	
28	Gasket, Base Pan		20002282	Y
29	Gasket, Base Pan Inner		20002566	Y
30	Gasket Cement, 3oz Tube		1206122	Y
31	Gasket, HE Door		1203687A	Y
32	Sensor 2450 CMG - 184-0032		10002013	Y
33	Pan Head SL 1/4-20x3-Z	Pkg of 10	1201310-10	
34	Valve, Nova SIT		230-0710	Y
35	Ignitor Piezo w/Nut SIT		057958A	Y
	Bracket Piezo Ignitor		20010876K	
	Magnet, Control Door	Use common super glue or silicone to attach	1408818	
36	Safety Barrier		30007256	Y
	Touch Up Paint	Classic Black	3-42-19905	
	Firebox		30000057	
	Finish Bag		SRV693831	


**Stocked
at Depot**

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

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
Optional Accessories				
	Fan Kit		BK-VC	
	Push Button, On/Off		RCB	
	Push Button, On/Off Timer		RCMT	
	Push Button, On/Off Thermostat		RCST	
	Touch Screen, On/Off Timer	No longer available	TSMT	
	Touch Screen, On/Off Thermostat, On/Off Timer		TSST	
	Wired Wall Switch with 15 Ft. Wire and Wall Plate		MVWS	
Conversion Kits				
	Conversion Kit, NG to LP		30005154K	Y
	Conversion Kit, LP to NG		30005155	Y


Part number list on following page.

09/20

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


Stocked at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	Stocked at Depot
1	Gas Log Assembly		20003458K	
1.1	Rear Log		20003459K	
1.2	Right Log		20003460K	
1.3	Left Log		20003461K	
2	Lava Rock Splinters		57897K	Y
3	Top		30001925A	
4	Front		30001928A	
5	Door		30001929A	
6	End, Right		30001927A	
7	End, Left		30001926A	
8	Leg		30001930A	
9	Manifold Assembly		20003739	Y
10	Glass		1601691	Y
11	Glass Frame Assembly		30000127	Y
12	Gasket, Glass, Medium Knit		1203702K	
13	Pilot Assembly	NG	SRV2090-012	Y
		Propane	2090-013	Y
14	Orifice Hood, Rear	#54 - LP	20000130	Y
		#44 - NG	SRV30000334	Y
	Orifice Hood, Front	#69 - LP	30000513	Y
		#54 - NG	20000130	Y
15	Valve	NG	750-500	Y
		Propane	750-501	Y
16	Transformer, 3V		SRV593-593	Y
17	Battery Pack		SRV593-594	Y
18	Wire Assembly		SRV593-590	Y
19	Module		593-592	Y
20	Burner Housing Assembly	NG/Propane	20002214K	Y
	Ceramic Burner Tile		SRV57803	Y
21	Grate, Burner		20002167	
22	Ashdoor Handle Assembly		5004241	
23	Handle, Damper	Maple Wood, Black	1600664	Y
24	Switch ON/OFF		30000874	Y
25	Wiring Harness		SRV30007499	Y
26	Right Log Bracket		20002166	

Additional service parts on following page

10 Optional Accessories

Fan Kit

The fan helps distribute heated air from within the firebox out into the room. The fan is controlled by a snapstat that turns power on and off as the firebox temperature rises above and falls below a preset temperature. A rheostat provides for variable fan speeds.

Specifications

115 Volt / 60Hz / .75 Amps

Maintenance

The fan itself does not require regular maintenance, however, periodic cleaning of the fan and the surrounding area is required.

Installation

Refer to the "Install the Optional Fan" section of this manual.

Remote Controls

The remote control allows you to turn the heater on or off from anywhere in the room.

Model	Functions Controlled
RCB	Push Button, ON/OFF
RCMT	Push Button, ON/OFF, Timer
RCST	Push Button, ON/OFF, Thermostat
TSMT	Touch Screen, ON/OFF, Timer
TSST	Touch Screen, Thermostat, ON/OFF, Timer
MVWS	Wired wall switch with 15 ft. wire and wall plate.

11 Warranty Policy

Hearth & Home Technologies Inc.

HEATILATOR ECO-CHOICE WARRANTY

Hearth & Home Technologies Inc., on behalf of its hearth brands ("HHT"), extends the following warranty for ECOCHOICE by Heatilator wood and pellet hearth appliances that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:

HHT warrants to the original owner of the HHT appliance at the site of installation, and to any transferee taking ownership of the appliance at the site of installation within two years following the date of original purchase, that the HHT appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. HHT, at its own discretion, may fully discharge all its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchaser price of the product. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:

Warranty coverage begins on the date of original purchase. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized HHT dealer/distributor, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date. The warranty period for parts and labor for covered components is produced in the following table.

Warranty Period		Heatilator ECO-CHOICE Appliances		Components Covered
Parts	Labor	Pellet	EPA Wood	
1 Year		X	X	All parts and material except as covered by Conditions, Exclusions, and Limitations Listed
3 Years		X		Firepots and burnpots
3 Years	1 Year	X	X	Castings
5 Years	3 Years		X	Manifold tubes
5 Years	3 Years	X	X	Firebox and heat exchanger
90 Days		X	X	All replacement parts beyond warranty period See conditions, exclusions, and limitations on next page

WARRANTY COVERAGE:

- This warranty only covers HHT appliances that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the HHT appliance remains at the site of original installation.
- 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 is 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 the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period are not covered. These parts include: firebricks, flame guides, batteries and the discoloration of glass.
- Expansion, contraction, or movement of certain parts causing noise. These conditions are normal, and complaints related to this noise are not covered by this warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the appliance in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the appliance; (2) failure to install the appliance in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operation instructions; (7) installation or use of components not supplied with the appliance or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the appliance.
- Non-HHT venting components, hearth connections or other accessories used in conjunction with the appliance.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- HHT's obligation under this warranty does not extend to the appliance's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to the appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

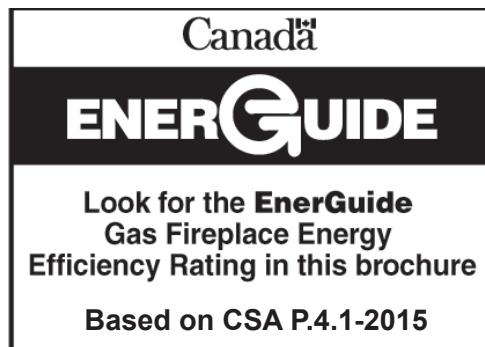
THIS WARRANTY IS VOID IF:

- The appliance has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Overfiring 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.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage which is the result of, but not limited to improper chimney or venting installation.

LIMITATIONS OF LIABILITY:

- The owner's exclusive remedy and HHT's sole obligation under this warranty, under any other warranty, express or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above. In no event will HHT be liable for any incidental or consequential damages caused by defects in the appliance. 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 may also have other rights, which vary from state to state. EXCEPT TO

THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE.



EFFICIENCY RATINGS

MODEL	ENERGUIDE RATINGS STOVE EFFICIENCY PERCENTAGE	D.O.E. (AFUE PERCENTAGE)
OXDV30SP Series	62.7	68.4
OXDV30IPI Series	58.4	68.4




HEARTH & HOME
technologies®

352 Mountain House Road • Halifax, PA 17032
www.vermontcastings.com