NATURAL GAS MODELS: LVX38N / LVX50N / LVX62N / LVX74N / LVX38N2 / LVX50N2 / LVX62N2 / LVX74N2

PROPANE GAS MODELS: LVX38P / LVX50P / LVX62P / LVX38P2 / LVX50P2 / LVX62P2

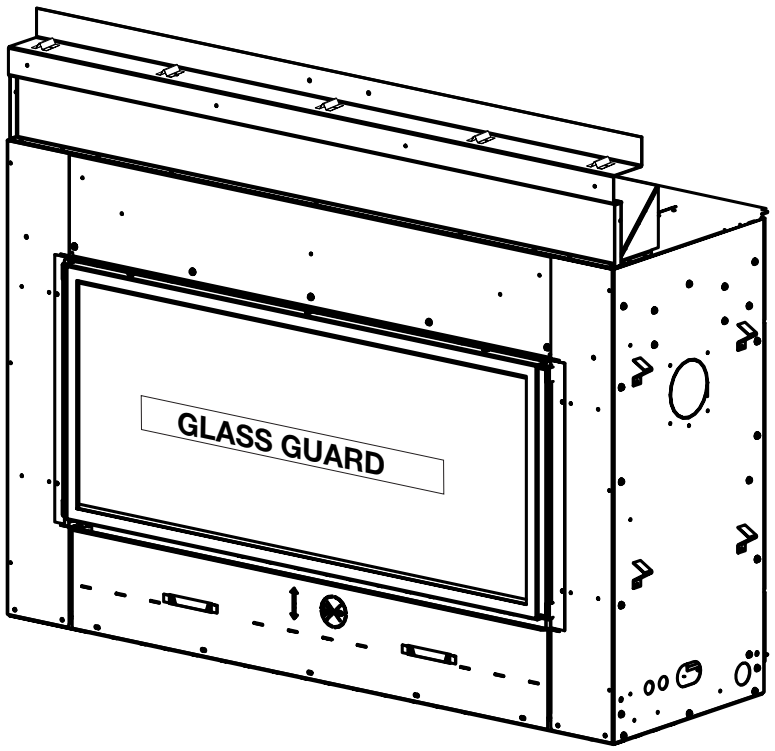
ENGLISH

FRENCH PG. 81

INSTALLATION MANUAL

Luxuria™ Series

(LVX38 illustrated)



SAFETY INFORMATION

⚠ 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.
- Immediately call your gas supplier from a neighbour'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 supplier.

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 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.

INSTALLER:
Leave this manual with the appliance
CONSUMER:
Retain this manual for future reference

THIS APPLIANCE IS INSTALLED WITH

Dynamic HEAT CONTROL

FOR INDOOR USE ONLY

CERTIFIED TO THE CANADIAN AND AMERICAN NATIONAL STANDARDS: CSA 2.22 AND ANSI Z21.50 FOR VENTED DECORATIVE GAS APPLIANCES

BARRIER

HPBA Hearth, Patio & Barbecue Association

Quality System Certified To ISO 9001-2008

ETL LISTED c US Intertek

GO GREEN ECO-FRIENDLY TECHNOLOGY

PLACE BARCODE LABEL ON THE OWNER'S MANUAL

Wolf Steel Ltd., 24 Napoleon Rd., Barrie, ON, L4M 0G8 Canada / 103 Miller Drive, Crittenden, Kentucky, USA, 41030
Phone 1 (866) 820-8686 • www.napoleonfireplaces.com • hearth@napoleonproducts.com

safety information

⚠ WARNING

- This appliance is hot when operated and can cause severe burns if contacted.
- Any changes to this appliance or its control can be dangerous and are prohibited.
- Do not operate appliance before reading and understanding operating instructions. Failure to operate appliance according to operating instructions could cause fire or injury.
- Risk of fire or asphyxiation do not operate appliance with fixed glass removed.
- Do not connect 110 volts to the control valve.
- Risk of burns. The appliance should be turned off and cooled before servicing.

⚠ 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.

- Do not install damaged, incomplete or substitute components.
- Risk of cuts and abrasions. Wear protective gloves, protective footwear, and safety glasses during installation. Sheet metal edges may be sharp.
- Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to an appliance 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.
- Clothing or other flammable material should not be placed on or near the appliance.
- Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- Ensure you have incorporated adequate safety measure to protect infants/toddlers from touching hot surfaces.
- Even after the appliance is out, the glass and/or screen will remain hot for an extended period of time.
- Check with your local hearth specialty dealer for safety screens and hearth guards to protect children from hot surfaces. These screens and guards must be fastened to the floor.
- Any safety screen, guard or barrier removed for servicing the appliance, must be replaced prior to operating the appliance.
- The appliance is a vented gas-fired appliance. Do not burn wood or other materials in the appliance.
- The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- Under no circumstances should this appliance be modified.
- This appliance must not be connected to a chimney flue pipe serving a separate solid fuel burning appliance.
- 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.

⚠ WARNING

- Do not operate the appliance with the glass door removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.
- Do not strike or slam shut the appliance glass door.
- When equipped with pressure relief doors, they must be kept closed while the appliance is operating to prevent exhaust fumes containing carbon monoxide, from entering into the home. Temperatures of the exhaust escaping through these openings can also cause the surrounding combustible materials to overheat and catch fire.
- Only doors / optional fronts certified with the unit are to be installed on the appliance.
- Keep the packaging material out of reach of children and dispose of the material in a safe manner. As with all plastic bags, these are not toys and should be kept away from children and infants.
- As with any combustion appliance, we recommend having your appliance regularly inspected and serviced as well as having a carbon monoxide detector installed in the same area to defend you and your family against carbon monoxide.
- Ensure clearances to combustibles are maintained when building a mantel or shelves above the appliance. Elevated temperatures on the wall or in the air above the appliance can cause melting, discolouration or damage to decorations, a T.V. or other electronic components.
- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed.
- If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.
- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

⚠ WARNING ⚠

FIRE RISK HAZARD / DELAYED IGNITION

High supply pressure will damage the valve / controls.

Disconnect the appliance main gas valve/control from the supply piping when pressure testing that system at pressures in excess of 1/2 psi (3.5 kPa).

Isolate the appliance with it's shut off valve during any pressure testing of the supply piping at pressures equal to or less than 1/2 psi (3.5 kPa).

EN

table of contents

note:

The information throughout this manual is believed to be correct at the time of printing. Wolf Steel Ltd. reserves the right to change or modify any information within this manual at any time without notice. Changes, other than editorial are denoted by a vertical line in the margin.

Installer: please fill out appliance checklist in the owner's manual.

1.0 general information

When the appliance is installed at elevations above 4,500ft (1372m), and in the absence of specific recommendations from the local authority having jurisdiction, the certified high altitude input rating shall be reduced at the rate of 4% for each additional 1,000ft (305m). Expansion / contraction noises during heating up and cooling down cycles are normal and are to be expected. Change in flame appearance from "HI" to "LO" is more evident in natural gas than in propane.

This appliance is approved for bathroom, bedroom and bed-sitting room installations and is certified for mobile home installation.

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.

There is a switch that controls the function of the appliance. The battery holder/switch must be placed in the middle position. If the switch is not placed in the middle position, the appliance will not work.

note:

A glass guard assembly designed to reduce the risk of burns is provided with the appliance and must be installed. Never operate the appliance without the complete Glass Guard Barrier System installed and closed.

The protective wrap on plated parts is best removed when the assembly is at room temperature but this can be improved if the assembly is warmed, using a hair dryer or similar heat source. The protective wrap must be removed before operating the appliance.

This appliance is a decorative product. It is not a source of heat and not intended to burn solid fuel.

This appliance is equipped with a remote control and a wall switch, which requires batteries to be installed. The remote takes 3 "AAA" batteries and the wall switch takes 4 "AA" batteries.

Batteries must be disposed of according to the local laws and regulations. Some batteries may be recycled, and may be accepted for disposal at your local recycling center. Check with your municipality for recycling instructions.

general information

1.1 rates and efficiencies

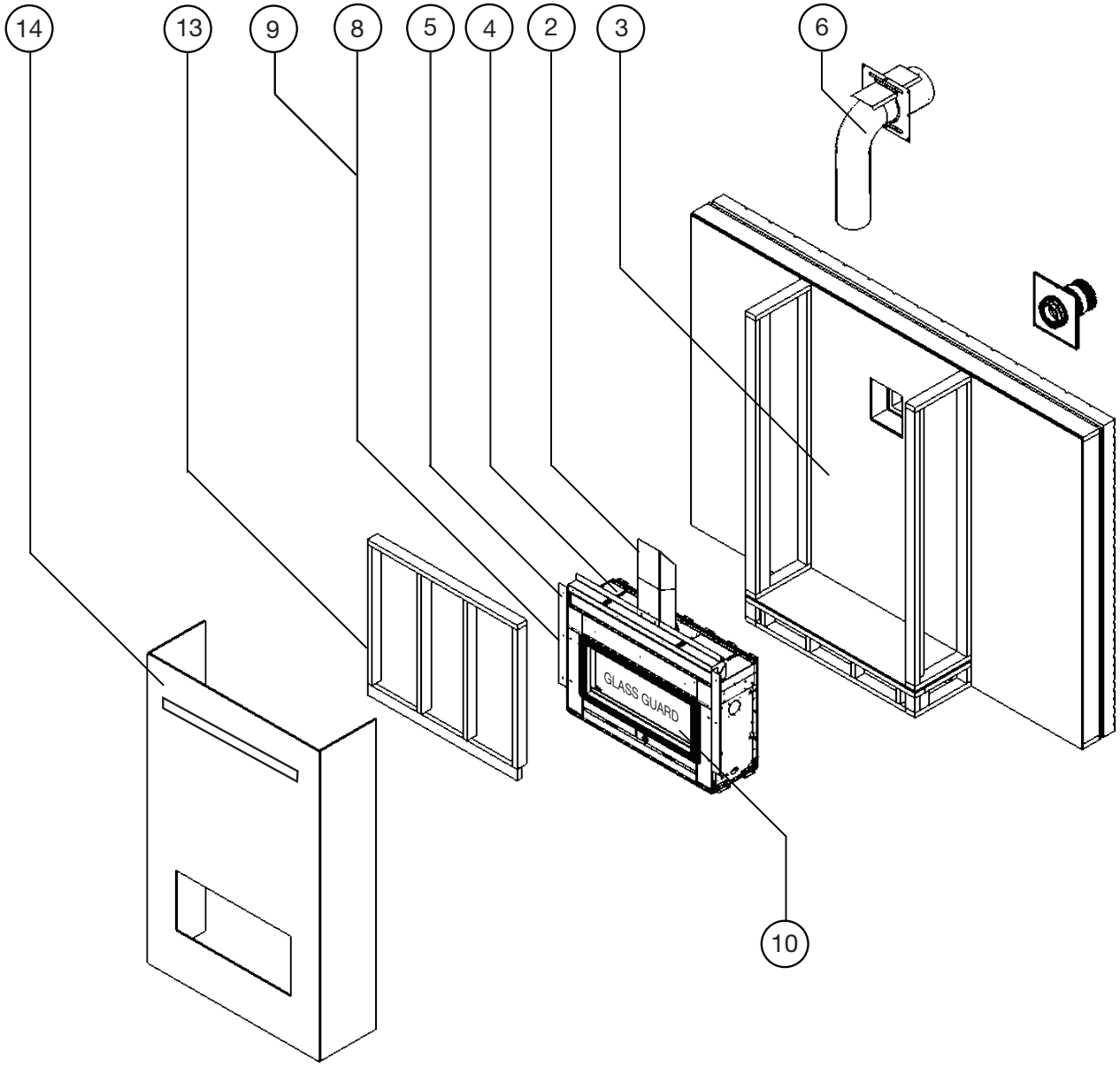
LVX38	Single-Sided		See-thru	
Appliance Type	LVX38N	LVX38P	LVX38N2	LVX38P2
Fuel Type	Natural Gas	Propane	Natural Gas	Propane
Altitude (FT)	0-4,500	0-4,500	0-4,500	0-4,500
Max. Input (BTU/HR)	32,000	32,000	32,000	32,000
Min. Input (BTU/HR)	22,000	25,000	23,000	25,000
P4	40.2%	40.2%	40.2%	40.2%

LVX50	Single-Sided		See-thru	
Appliance Type	LVX50N	LVX50P	LVX50N2	LVX50P2
Fuel Type	Natural Gas	Propane	Natural Gas	Propane
Altitude (FT)	0-4,500	0-4,500	0-4,500	0-4,500
Max. Input (BTU/HR)	38,000	38,000	38,000	38,000
Min. Input (BTU/HR)	26,000	31,000	26,000	31,000
P4	45.5%	45.5%	45.5%	45.5%

LVX62	Single-Sided		See-thru	
Appliance Type	LVX62N	LVX62P	LVX62N2	LVX62P2
Fuel Type	Natural Gas	Propane	Natural Gas	Propane
Altitude (FT)	0-4,500	0-4,500	0-4,500	0-4,500
Max. Input (BTU/HR)	44,000	38,000	44,000	38,000
Min. Input (BTU/HR)	32,000	31,000	32,000	31,000
P4	55.5%	58.5%	55.5%	58.5%

LVX74	Single-Sided	See-thru
Appliance Type	LVX74N	LVX74N2
Fuel Type	Natural Gas	Natural Gas
Altitude (FT)	0-4,500	0-4,500
Max. Input (BTU/HR)	50,000	50,000
Min. Input (BTU/HR)	35,000	32,000
P4	52.5%	52.5%

1.2 installation overview



Recommended installation steps:

1. Determine venting requirements before deciding the final location of the appliance
2. Plan out appliance enclosure, framing, fronts, accessories, etc.
3. Install rough framing (refer to “rough framing” section)
4. Place the appliance in its final position
5. Install nailing tabs (refer to “nailing tab installation” section)
6. Install appliance venting (refer to “venting installation” section)
7. Install vent shield (refer to “vent shield installation” section)
8. Install all electrical wirings (refer to “electrical information” section)
9. Install gas lines (refer to “gas installation” section)
10. **Fit glass guard** (refer to “glass guard assembly installation / removal” section)
11. Test appliance (Glass Guard must be installed while testing the appliance)
12. Remove and protect glass guard. Take great care to store using original packaging.
13. Complete framing (refer to “finish framing” section)
14. Finishing (refer to “finishing” section)
15. If necessary, do final adjustments to glass guard.
16. Complete installation checklist in the owner’s manual and apply the serial number to owner’s manual

general information

1.3 Dynamic Heat Control™

Dynamic Heat Control™ is a system for managing the heat produced by the appliance at and around the fireplace. The purpose of the **Dynamic Heat Control™** is to move the heat away from the fireplace to allow it to circulate more effectively within the living space. By installing the **Dynamic Heat Control™** both the installer and the user gain considerable benefits, see the following;

PATENT PENDING

Installer:

- Ability to use combustible framing and finishing right up to the fireplace opening.*
- High temperatures above the front of the fireplace opening are significantly reduced eliminating potential degrading to sensitive finish material (cracks or discoloration).
- No additional electricals, fans, ducts, or manifolds are required which keeps installation straightforward.

User:

- Heat is circulated more consistently throughout the living space increasing comfort in front of the fireplace.
- Increased “real world” efficiency as heat is moved in to the room rather than retained inside an enclosure.
- Complete flexibility in selection of finish materials.
- Ability to place a TV, sound bar or artwork above the fireplace.**

The **Dynamic Heat Control™** system relies on an optimized flow of air both through the appliance and the enclosure. As such the installation of the **Dynamic Heat Control™** system requires certain technical considerations when compared to traditional fireplaces. Specifically, the **Dynamic Heat Control™** requires the **enclosure to be ventilated** and requires the installer to ensure that a minimum opening area is provided to allow heat to escape and circulate at a prescribed minimum height and position. This **must** be carefully adhered to in the planning and the installation to ensure the appliance functions safely and to minimize installation time.

***In most common installation configurations, some specific installations require special provisions. See “Framing with Dynamic Heat Control” section for details. Ensure to strictly adhere to instructions.**

**** Always check appliance manufacturers recommendations to confirm suitability and any special environmental limitations. For valuable or antique items, always refer to expert preservation instructions as some items require specifically controlled temperature and/or humidity**

⚠ WARNING

- Always light the pilot whether for the first time or if the gas supply has run out, with the glass door opened or removed.
- Provide adequate clearance for servicing and operating the appliance.
- Provide adequate ventilation.
- Never obstruct the front opening of the appliance.
- Objects placed in front of the appliance must be kept a minimum of 48" (121.9cm) from the front face of the appliance.
- Surfaces around and especially above the appliance can become hot. Avoid contact when appliance is operating.
- 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 shut-off valve before pressure testing gas line at test pressures equal to or less than 1/2 PSIG (35mb).
- Use only Wolf Steel approved optional accessories and replacement parts with this appliance using non-listed accessories (blowers, doors, louvres, trims, gas components, venting components, etc.) could result in a safety hazard and will void the warranty and certification.
- The appliance must not be operated at temperatures below freezing (32ºF / 0ºC). Allow the appliance to warm to above freezing prior to operation.
- This appliance has been designed and certified for indoor use only.

THIS GAS APPLIANCE MUST BE INSTALLED AND SERVICED BY A QUALIFIED INSTALLER to conform with local codes. Installation practices vary from region to region and it is important to know the specifics that apply to your area, for example in Massachusetts State:

- This product must be installed by a licensed plumber or gas fitter when installed within the commonwealth of Massachusetts.
- The appliance damper must be removed or welded in the open position prior to installation of an appliance insert or gas log.
- The appliance off valve must be a "T" handle gas cock.
- The flexible connector must not be longer than 36 inches (0.9m).
- A carbon monoxide detector is required in all rooms containing gas fired appliances.
- The appliance is not approved for installation in a bedroom or bathroom unless the unit is a direct vent sealed combustion product.

The installation must conform with local codes or, in absence of local codes, the National Gas and Propane Installation Code CSA B149.1 in Canada, or the National Fuel Gas Code, ANSI Z223.1 / NFPA 54 in the United States. Suitable for mobile home installation if installed in accordance with the current standard CAN/CSA Z240MH Series, for gas equipped mobile homes, in Canada or ANSI Z223.1 and NFPA 54 in the United States.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We suggest that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (35 mb). The appliance 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 (35 mb). When installed with a blower or fan, the junction box must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 Canadian Electrical Code in Canada or the ANSI / NFPA 70 National Electric Code in the United States. In the case where the blower is equipped with a power cord, it must be connected into a properly grounded receptacle. The grounding prong must not be removed from the cord plug.

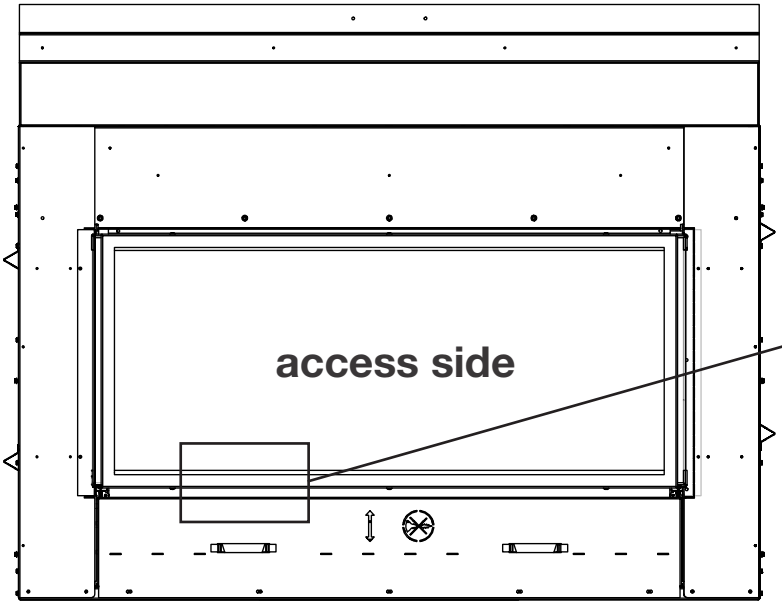
The following does not apply to inserts; as long as the required clearance to combustibles is maintained, the most desirable and beneficial location for an appliance is in the center of a building, thereby allowing the most efficient use of the heat created. The location of windows, doors and, the traffic flow in the room where the appliance is to be located should be considered. If possible, you should choose a location where the vent will pass through the house without cutting a floor or roof joist. If the appliance is installed directly on carpeting, vinyl tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth, unless otherwise tested.

general information

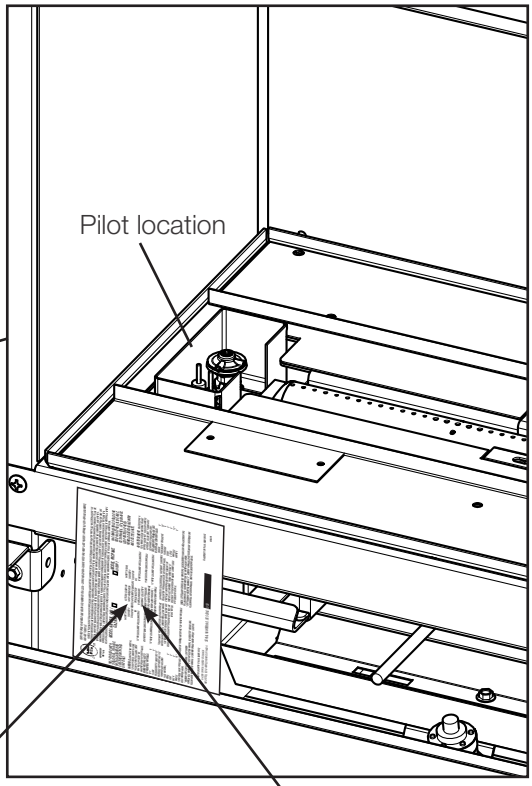
1.4 rating plate/lighting instruction location

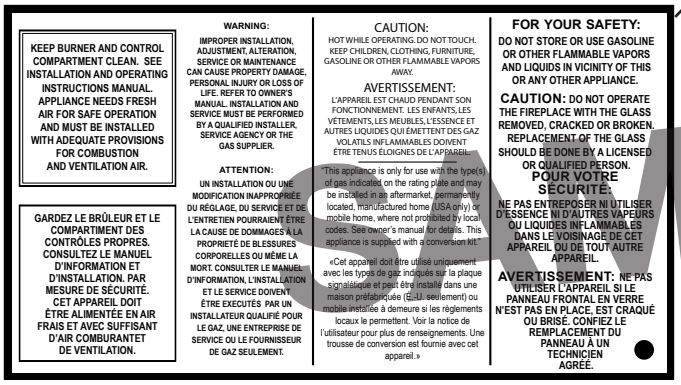
Both the rating plate and lighting instructions are attached to a chain located on the left side of the control area near the valve (access side). Remove the glass guard and the control cover to gain access to the control area.

To replace, slide the instructions back into the control area and slide the glass front into its locked position.



Rating plate location





KEEP BURNER AND CONTROL COMPARTMENT CLEAN. SEE INSTALLATION AND OPERATING INSTRUCTIONS MANUAL. APPLIANCE NEEDS FRESH AIR FOR SAFE OPERATION AND MUST BE INSTALLED WITH ADEQUATE PROVISIONS FOR COMBUSTION AND VENTILATION AIR.

GARDEZ LE BRÛLEUR ET LE COMPARTIMENT DES CONTRÔLES PROPRES. CONSULTEZ LE MANUEL D'INFORMATION ET D'INSTALLATION. PAR MESURE DE SÉCURITÉ. CET APPAREIL DOIT ÊTRE ALIMENTÉE EN AIR FRAIS ET AVEC SUFFISANT D'AIR COMBURANTET DE VENTILATION.

WARNING:
IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE. REFER TO OWNER'S MANUAL. INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

ATTENTION:
UN INSTALLATION OU UNE MODIFICATION INAPPROPRIÉE DU RÉGLAGE, DU SERVICE ET DE L'ENTRETIEN POURRAIENT ÊTRE LA CAUSE DE DOMMAGES À LA PROPRIETÉ DE BLESSURES CORPORELLES OU MÊME LA MORT. CONSULTER LE MANUEL D'INFORMATION. L'INSTALLATION ET LE SERVICE DOIVENT ÊTRE EXECUTÉS PAR UN INSTALLATEUR QUALIFIÉ POUR LE GAZ, UNE ENTREPRISE DE SERVICE OU LE FOURNISSEUR DE GAZ SEULEMENT.

CAUTION:
HOT WHILE OPERATING. DO NOT TOUCH. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE OR OTHER FLAMMABLE VAPORS AWAY.

AVERTISSEMENT:
L'APPAREIL EST CHAUD PENDANT SON FONCTIONNEMENT. LES ENFANTS, LES VÊTEMENTS, LES MEUBLES, L'ESSENCE ET AUTRES LIQUIDES QUI ÉMETTENT DES GAZ VOLATILS INFLAMMABLES DOIVENT ÊTRE TENUS ÉLOIGNES DE L'APPAREIL.

"This appliance is only for use with the type(s) of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. See owner's manual for details. This appliance is supplied with a conversion kit."

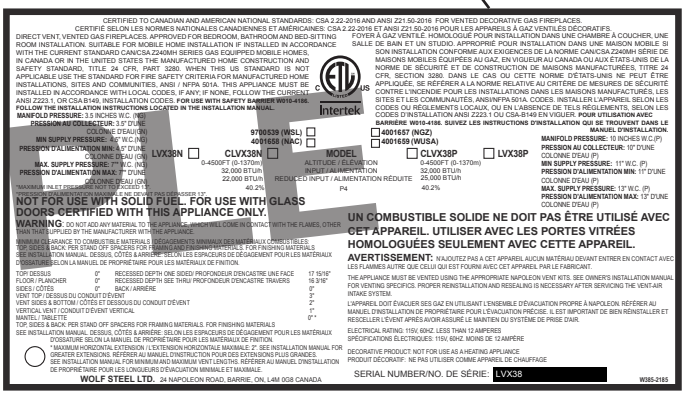
«Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique et peut être installé dans une maison préfabriquée (É.-U. seulement) ou mobile installée à demeure si les règlements locaux le permettent. Voir la notice de l'utilisateur pour plus de renseignements. Une trousse de conversion est fournie avec cet appareil.»

FOR YOUR SAFETY:
DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN VICINITY OF THIS OR ANY OTHER APPLIANCE.

CAUTION: DO NOT OPERATE THE FIREPLACE WITH THE GLASS REMOVED, CRACKED OR BROKEN. REPLACEMENT OF THE GLASS SHOULD BE DONE BY A LICENSED OR QUALIFIED PERSON.

POUR VOTRE SÉCURITÉ:
NE PAS ENTREPOSER NI UTILISER D'ESSENCE NI D'AUTRES VAPEURS OU LIQUIDES INFLAMMABLES DANS LE VOISINAGE DE CET APPAREIL OU DE TOUT AUTRE APPAREIL.

AVERTISSEMENT: NE PAS UTILISER L'APPAREIL SI LE PANNEAU FRONTAL EN VERRE N'EST PAS EN PLACE, EST CRAQUÉ OU BRISÉ. CONFIEZ LE REMPLACEMENT DU PANNEAU À UN TECHNICIEN AGRÉÉ.



CERTIFIED TO CANADIAN AND AMERICAN NATIONAL STANDARDS: CSA 2.22-2016 AND ANSI Z21.50-2016 FOR VENTED DECORATIVE GAS FIREPLACES.
CERTIFIÉ SELON LES NORMES NATIONALES CANADIENNES ET AMÉRICAINES: CSA 2.22-2016 ET ANSI Z21.50-2016 POUR LES APPAREILS À GAZ VENTILÉS DÉCORATIFS.

DIRECT VENT, VENTED GAS FIREPLACES. APPROVED FOR BEDROOM, BATHROOM AND BED-SITTING ROOM INSTALLATION. SUITABLE FOR MOBILE HOME INSTALLATION IF INSTALLED IN ACCORDANCE WITH THE CURRENT STANDARD CAN/CSA Z240MH SERIES GAS EQUIPPED MOBILE HOMES, IN CANADA OR IN THE UNITED STATES THE MANUFACTURED HOME CONSTRUCTION AND SAFETY STANDARD, TITLE 24 CFR, PART 3280. WHEN THIS US STANDARD IS NOT APPLICABLE USE THE STANDARD FOR FIRE SAFETY CRITERIA FOR MANUFACTURED HOME INSTALLATIONS, SITES AND COMMUNITIES, ANSI / NFPA 501A. THIS APPLIANCE MUST BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, IF ANY, IF NONE, FOLLOW THE CURRENT ANSI Z223.1, OR CSA B149, INSTALLATION CODES. **FOR USE WITH SAFETY BARRIER W815-4196. FOLLOW THE INSTALLATION INSTRUCTIONS LOCATED IN THE INSTALLATION MANUAL.**

MANIFOLD PRESSURE: 3.5 INCHES W.C. (NG)
PRESSION AU COLLECTEUR: 3.5" D'UNE COLONNE D'EAU (G)
MIN SUPPLY PRESSURE: 4.5" W.C. (NG)
PRESSION D'ALIMENTATION MIN: 4.5" D'UNE COLONNE D'EAU (GN)
MAX. SUPPLY PRESSURE: 7" W.C. (NG)
PRESSION D'ALIMENTATION MAX.: 7" D'UNE COLONNE D'EAU (GN)
MAXIMUM INLET PRESSURE MUST NOT EXCEED 13.5" W.C. (P)
PRESSION D'ALIMENTATION MAXIMALE NE DOIT PAS DÉPASSER 13,5" D'UNE COLONNE D'EAU (P)

9700539 (WSL) ☐
4001658 (NAC) ☐

LVX38N ☐ CLVX38N ☐ CLVX38P ☐ LVX38P ☐

MODEL	CLVX38N	CLVX38P
ALTITUDE / ELEVATION INPUT / ALIMENTATION REDUITE	0-4500FT (0-1370m) 32,000 BTU/h 22,000 BTU/h	0-4500FT (0-1370m) 32,000 BTU/h 25,000 BTU/h
	40.2%	40.2%
	P4	

NOT FOR USE WITH SOLID FUEL. FOR USE WITH GLASS DOORS CERTIFIED WITH THIS APPLIANCE ONLY.
WARNING: DO NOT ADD ANY MATERIAL TO THE APPLIANCE WHICH WILL COME IN CONTACT WITH THE FLAMES, OTHER THAN THAT SUPPLIED BY THE MANUFACTURER WITH THE APPLIANCE.
MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS. DÉGAGEMENTS MINIMAUX DES MATÉRIAUX COMBUSTIBLES:
TOP, SIDES & BACK: PER STAND OFF SPACERS FOR FRAMING MATERIALS. FOR FINISHING MATERIALS SEE INSTALLATION MANUAL. DESSUS, CÔTÉS & ARRIÈRE: SELON LES ESPACEURS DE DÉGAGEMENT POUR LES MATÉRIAUX DE FINITION.
DÉGAGEMENTS SELON LA MANUEL DE PROPRIETAIRE POUR LES MATÉRIAUX DE FINITION.

TOP/ DESSUS	0"	RECESSED DEPTH/ DIMENSION DE L'ENCASTRE	17 15/16"
FLOOR / PLANCHER	0"	RECESSED DEPTH/ DIMENSION DE L'ENCASTRE	16 3/16"
SIDES / CÔTÉS	0"	BACK / ARRIÈRE	0"
VENT TOP / DESSUS DU CONDUIT D'EVENT			3"
VENT SIDES & BOTTOM / CÔTÉS ET DESSOUS DU CONDUIT D'EVENT			2"
VERTICAL VENT / CONDUIT D'EVENT VERTICAL			1"
MANTEL / TABLETTE			0" *

TOP, SIDES & BACK: PER STAND OFF SPACERS FOR FRAMING MATERIALS. FOR FINISHING MATERIALS SEE INSTALLATION MANUAL. DESSUS, CÔTÉS & ARRIÈRE: SELON LES ESPACEURS DE DÉGAGEMENT POUR LES MATÉRIAUX D'OSSATURE SELON LA MANUEL DE PROPRIETAIRE POUR LES MATÉRIAUX DE FINITION.
* MAXIMUM HORIZONTAL EXTENSION / L'EXTENSION HORIZONTALE MAXIMALE: 2". SEE INSTALLATION MANUAL FOR GREATER EXTENSIONS. RÉFÉRER AU MANUEL D'INSTRUCTION POUR DES EXTENSIONS PLUS GRANDES.
SEE INSTALLATION MANUAL FOR MINIMUM AND MAXIMUM VENT LENGTHS. RÉFÉRER AU MANUEL D'INSTALLATION DE PROPRIETAIRE POUR LES LONGUEURS D'EVACUATION MINIMALE ET MAXIMALE.

WOLF STEEL LTD. 24 NAPOLEON ROAD, BARRIE, ON. L4M 0G8 CANADA

UN COMBUSTIBLE SOLIDE NE DOIT PAS ÊTRE UTILISÉ AVEC CET APPAREIL. UTILISER AVEC LES PORTES VITRÉES HOMOLOGUÉES SEULEMENT AVEC CETTE APPAREIL.
AVERTISSEMENT: N'AJOUTEZ PAS A CET APPAREIL AUCUN MATERIAU DEVANT ENTRER EN CONTACT AVEC LES FLAMMES AUTRE QUE CELUI QUI EST FOURNI AVEC CET APPAREIL PAR LE FABRICANT.

THE APPLIANCE MUST BE VENTED USING THE APPROPRIATE NAPOLEON VENT KITS. SEE OWNER'S INSTALLATION MANUAL FOR VENTING SPECIFICS. PROPER REINSTALLATION AND RESEALING IS NECESSARY AFTER SERVICING THE VENT-AIR INTAKE SYSTEM.
L'APPAREIL DOIT ÉVACUER SES GAZ EN UTILISANT L'ENSEMBLE D'ÉVACUATION PROPRE À NAPOLEON. RÉFÉRER AU MANUEL D'INSTALLATION DE PROPRIETAIRE POUR L'ÉVACUATION PRECISE. IL EST IMPORTANT DE BIEN RÉINSTALLER ET RESCELLER L'ÉVENT APRÉS AVOIR ASSURÉ LE MAINTIEN DU SYSTÈME DE PRISE D'AIR.

ELECTRICAL RATING: 115V, 60HZ, LESS THAN 12 AMPERES
SPECIFICATIONS ÉLECTRIQUES: 115V, 60HZ MOINS DE 12 AMPÈRE

DECORATIVE PRODUCT: NOT FOR USE AS A HEATING APPLIANCE
PRODUIT DÉCORATIF : NE PAS UTILISER COMME APPAREIL DE CHAUFFAGE

SERIAL NUMBER/NO. DE SÉRIE: LVX38

W385-2185

4001657 (NGZ) ☐
4001659 (WUSA) ☐

MANIFOLD PRESSURE: 10 INCHES W.C.(P)
PRESSION AU COLLECTEUR: 10" D'UNE COLONNE D'EAU (P)
MIN SUPPLY PRESSURE: 11" W.C. (P)
PRESSION D'ALIMENTATION MIN: 11" D'UNE COLONNE D'EAU (P)
MAX. SUPPLY PRESSURE: 13" W.C. (P)
PRESSION D'ALIMENTATION MAX: 13" D'UNE COLONNE D'EAU (P)

This illustration is for reference only. Refer to the rating plate on the appliance for accurate information.

note:

The rating plate must remain with the appliance at all times. It must not be removed.

1.5 mobile home installation

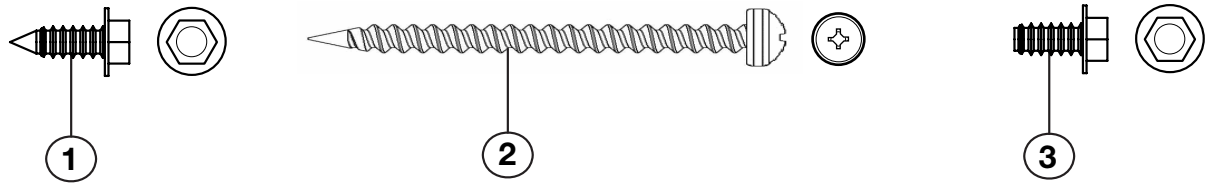
This appliance must be installed in accordance with the manufacturer's instructions and the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States or the Mobile Home Standard, CAN/CSA Z240 MH Series, in Canada. This appliance is only for use with the type(s) of gas indicated on the rating plate.

This mobile/manufactured home listed appliance comes factory equipped with a means to secure the appliance. The shipping brackets that secure the appliance to the pallet can be used to secure the appliance to the floor for mobile home installation. For mobile home installations, the appliance must be fastened in place.

This appliance is certified to be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes.
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.

Conversion Kits
This appliance is field convertible between Natural Gas (NG) and Propane (P). Propane not available for LVX74. To convert from one gas to another, consult your Authorized dealer/distributor.

1.6 hardware list



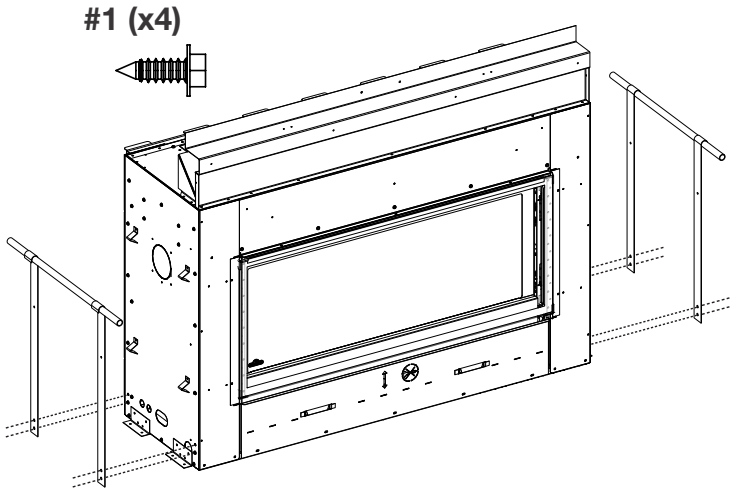
	Description	Quantity			
		LVX38	LVX50	LVX62	LVX74
1	Hex Head Sheet Metal Screw	22	22	22	22
2	Pan Head Sheet Metal Screw	4	4	4	4
3	Hex Head Sheet Metal Bolt	18	18	18	18

note:
Only fasteners supplied with the appliance are illustrated.

1.7 lifting handles installation/removal

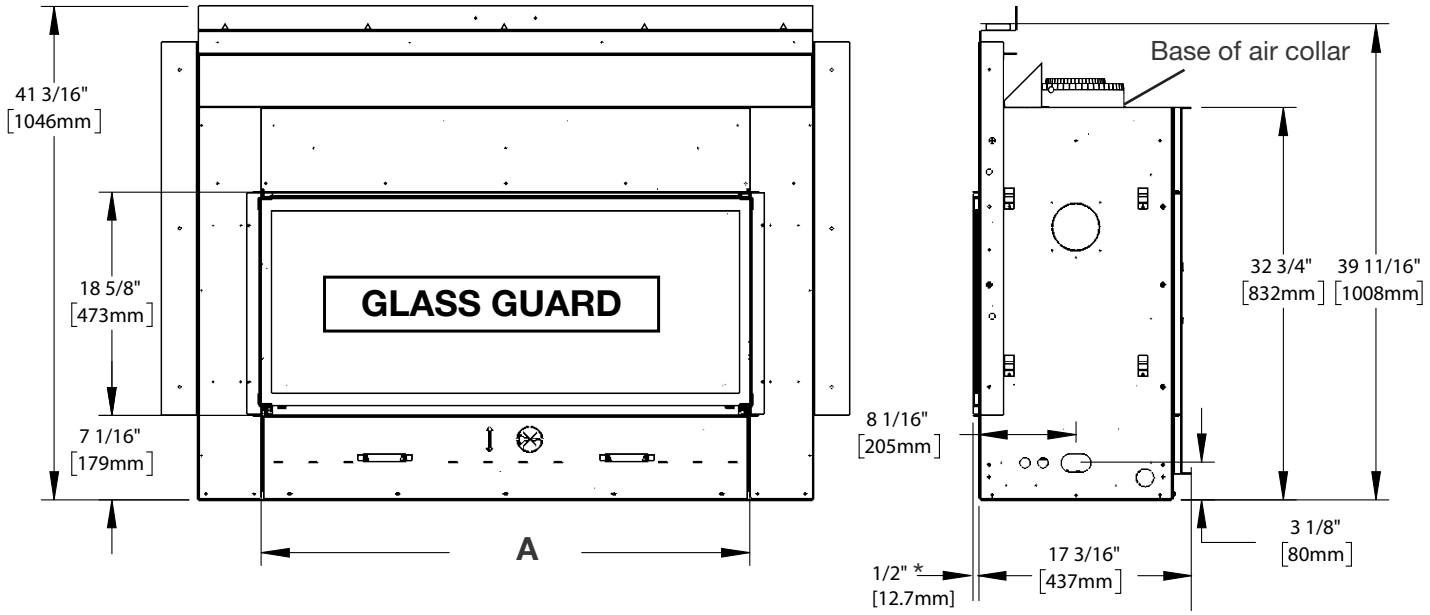
Secure the lifting handles to the side of the appliance as shown with the screws supplied. Once the appliance is in place remove the four screws each handle to the appliance. Discard the lifting handles.

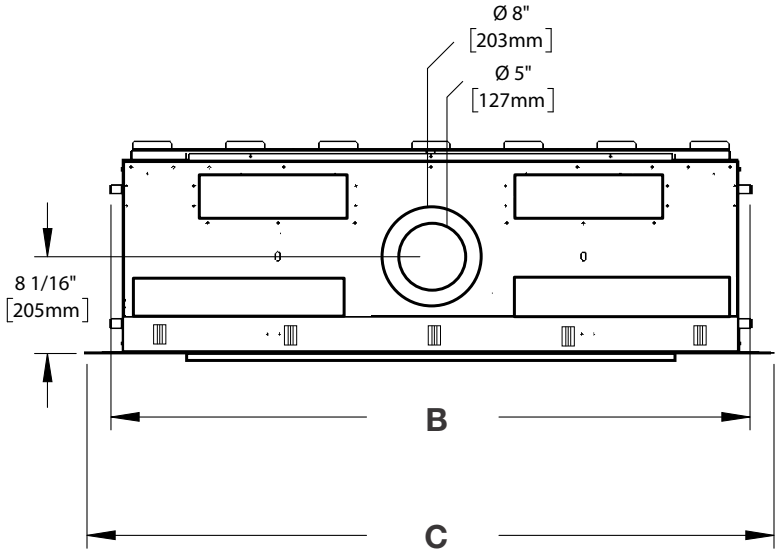
note:
The lifting handles **MUST** be removed prior to rough framing the appliance.



2.0 dimensions

2.1 single-sided

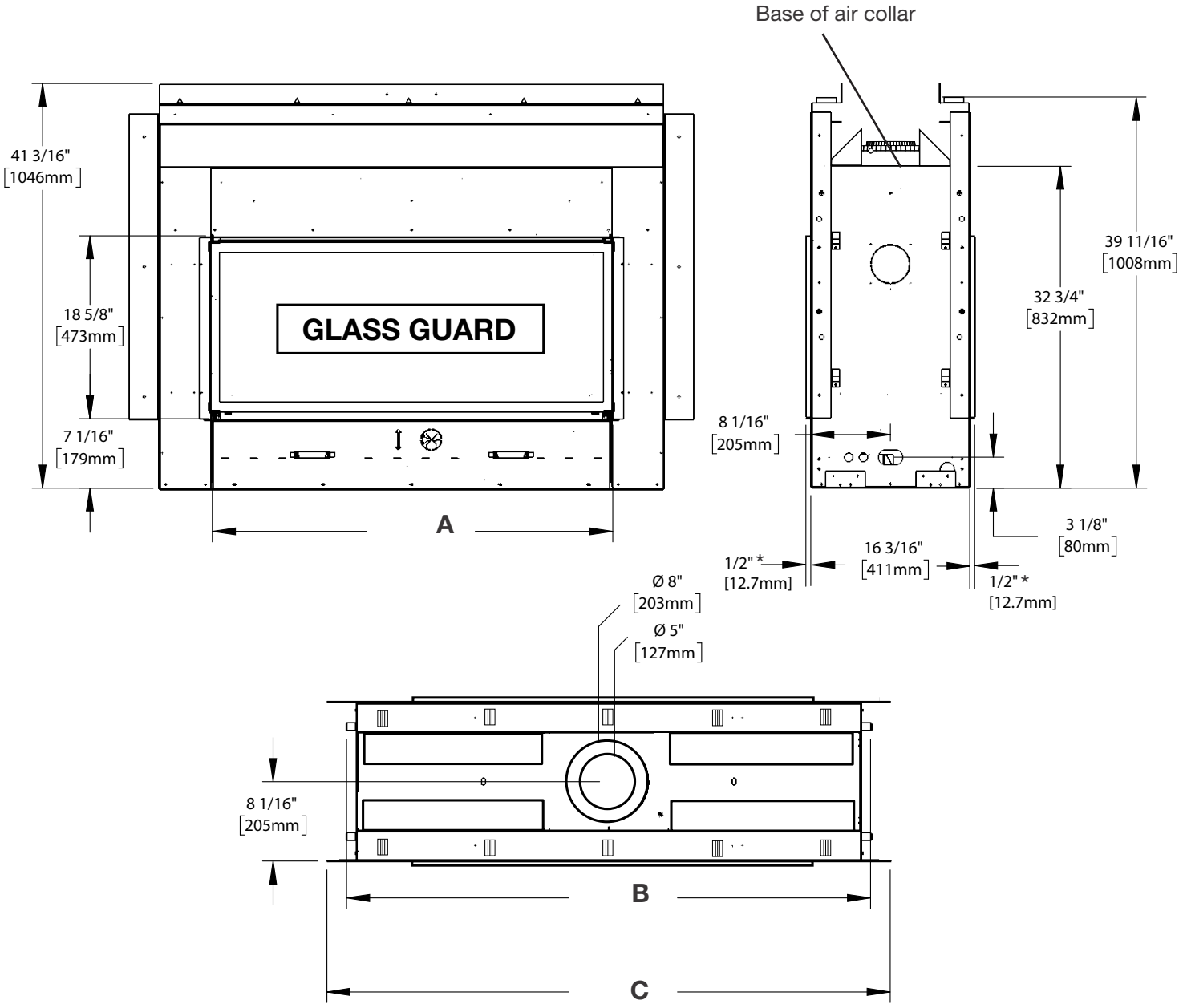




	LVX38	LVX50	LVX62	LVX74
A (Finishing Flange)	42 1/8” (1070mm)	54 1/8” (1375mm)	66 1/8” (1680mm)	78 1/8” (1984mm)
B	53 5/16” (1354mm)	65 5/16” (1659mm)	77 5/16” (1964mm)	89 5/16” (2269mm)
C	57 5/16” (1456mm)	69 5/16” (1761mm)	81 5/16” (2065mm)	93 5/16” (2370mm)

*Finishing flange depth (the finishing flange defines the perimeter of the fireplace opening. Framing or finishing materials must NEVER encroach inside the finishing flange).

2.2 see-thru



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*Finishing flange depth (the finishing flange defines the perimeter of the fireplace opening. Framing or finishing materials must NEVER encroach inside the finishing flange).

3.0 minimum venting requirements

⚠ WARNING

- Risk of fire. Maintain specified air space clearances to vent pipe and appliance.
- If venting is included with spacers, the vent system must be supported every 3'(0.9m) for both vertical and horizontal runs. Use support ring assembly W010-0067 or equivalent non-combustible strapping to maintain the minimum clearance to combustibles for both vertical and horizontal runs. Spacers are attached to the inner pipe at predetermined intervals to maintain an even air gap to the outer pipe. This gap is required for safe operation. A spacer is required at the start, middle, and end of each elbow to ensure this gap is maintained. These spaces must not be removed.

This appliance uses a 5" (127mm) exhaust / 8" (203.2mm) air intake vent pipe system. Refer to the section applicable to your installation.

For safe and proper operation of the appliance follow the venting instructions exactly. Deviation from the minimum vertical vent length can create difficulty in burner start-up and/or carboning. Under extreme vent configurations, allow several minutes (5-15) for the flame to stabilize after ignition. Although not a requirement, it is recommended for vent lengths that pass through unheated spaces (attics, garages, crawl spaces) be insulated with the insulation wrapped in a protective sleeve to minimize condensation.

Provide a means for visually checking the vent connection to the appliance after the appliance is installed.

Use a firestop, vent pipe shield or attic insulation shield when penetrating interior walls, floor or ceiling.

The vent terminal may be painted with high temperature paint to match exterior colours. Use an outdoor paint suitable for 400°F (200°C). Application and performance of paint is the consumer's responsibility. Spot testing is recommended. Appliance should be off.

note:
If for any reason the vent air intake system is disassembled; reinstall per the instructions provided for the initial installation.
This appliance must be installed with a continuous connection of exhaust and air intake vent pipes. Utilizing alternate constructions, such as a chimney as part of the vent system, is not permitted.

All vent measurements start at the base of the air collar of the appliance.

Use only Wolf Steel, Simpson Dura-Vent, Selkirk Direct Temp, American Metal Amerivent or Metal-Fab venting components. Minimum and maximum vent lengths, for both horizontal and vertical installations, clearances from vent pipes to combustibles and air terminal locations as set out in this manual apply to all vent systems and must be adhered to. For Simpson Dura-Vent, Selkirk Direct Temp, American Metal Amerivent and Metal-Fab, follow the installation procedure provided with the venting components. A starter adaptor must be used with the following vent systems and may be purchased from the corresponding supplier:

Vent Manufacturer	Starter Adapter Part Number	Supplier	Website
Duravent	W175-0170	Wolf Steel	www.duravent.com
Amerivent	5DSC-N2	American Metal	www.americanmetalproducts.com
Direct Temp	5DT-AA	Selkirk	www.selkirkcorp.com
SuperSeal	5DNA	Metal-Fab	www.mtlfab.com

For vent systems that provide seals on the inner exhaust flue, only the outer air intake joints must be sealed using a red high temperature silicone (RTV). **This same sealant may be used on both the inner exhaust and outer intake vent pipe joints of all other approved vent systems except for the exhaust vent pipe connection to the appliance flue collar which must be sealed using the black high temperature sealant Mill Pac.**

When using Wolf Steel venting components, use only approved Wolf Steel flexible components with the wall terminal kit **GD422R-2**, or 1/12 to 7/12 pitch roof terminal kit **GD410**, 8/12 to 12/12 roof terminal kit **GD411**, flat roof terminal kit **GD412** or periscope kit **GD401** (for wall penetration below grade). With flexible venting, in conjunction with the various terminations, use either the 5 foot (1.5m) vent kit **GD420** or the 10 foot (3.1m) vent kit **GD430**.

For optimum flame appearance and appliance performance, keep the vent length and number of elbows to a minimum.

Horizontal runs may have a 0” (0mm) rise per foot/meter however **for optimum performance it is recommended that all horizontal runs have a minimum 1/4” (21mm) rise per foot/meter using flexible venting.** For safe and proper operation of the appliance, follow the venting instructions exactly.

The air terminal must remain unobstructed at all times. Examine the air terminal at least once a year to verify that it is unobstructed and undamaged.

Rigid and flexible venting systems must not be combined. Different venting manufacturer components must not be combined.

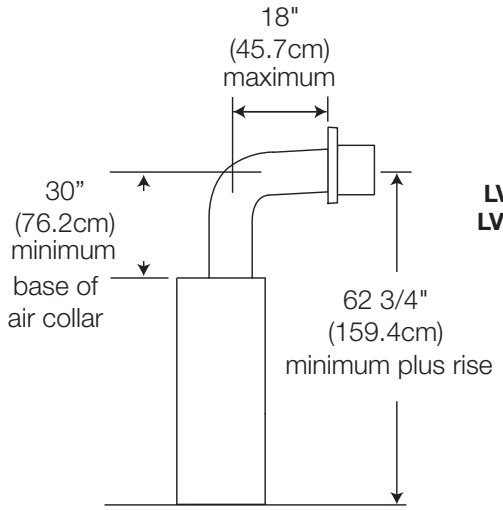
These vent kits allow for either horizontal or vertical venting of the appliance. **The maximum allowable horizontal run is 20 feet (6.1m**). The maximum allowable vertical vent length is 40 feet (12.2m). The maximum number of vent connections is two horizontally or three vertically (excluding the appliance and the air terminal connections) when using flexible venting.

A terminal shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings. Local codes or regulations may require different clearances.

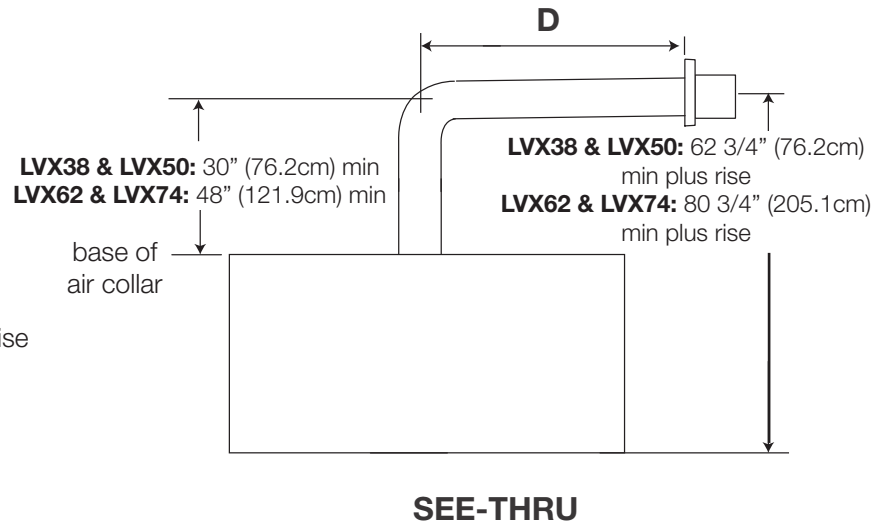
Do not allow the inside liner to bunch up on horizontal or vertical runs and elbows. Keep it pulled tight. A 1¼” (31.8mm) air gap all around between the inner liner and outer liner is required for safe operation.

minimum venting requirements

3.1 typical venting installation



SINGLE-SIDED

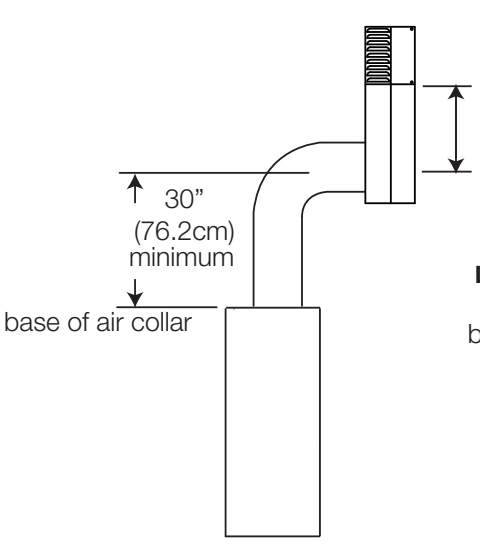


SEE-THRU

	LVX38	LVX50	LVX62	LVX74
D	40"	46 1/2"	52 1/2"	58 1/2"

special vent installation (periscope termination)

Use the periscope kit to locate the air termination above grade. The periscope must be installed so that when final grading is completed, the bottom air slot is located a minimum 12" (30.5cm) above grade. The maximum allowable vent length is 10' (3m).



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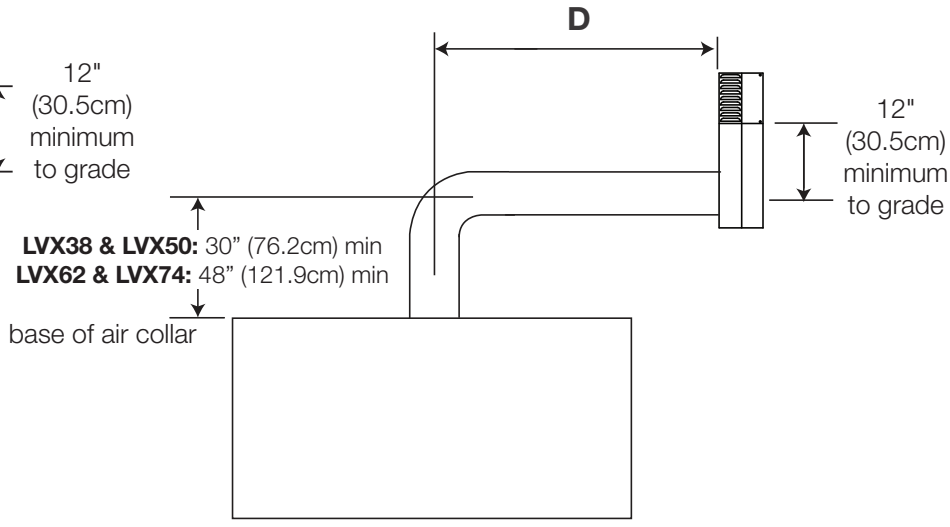
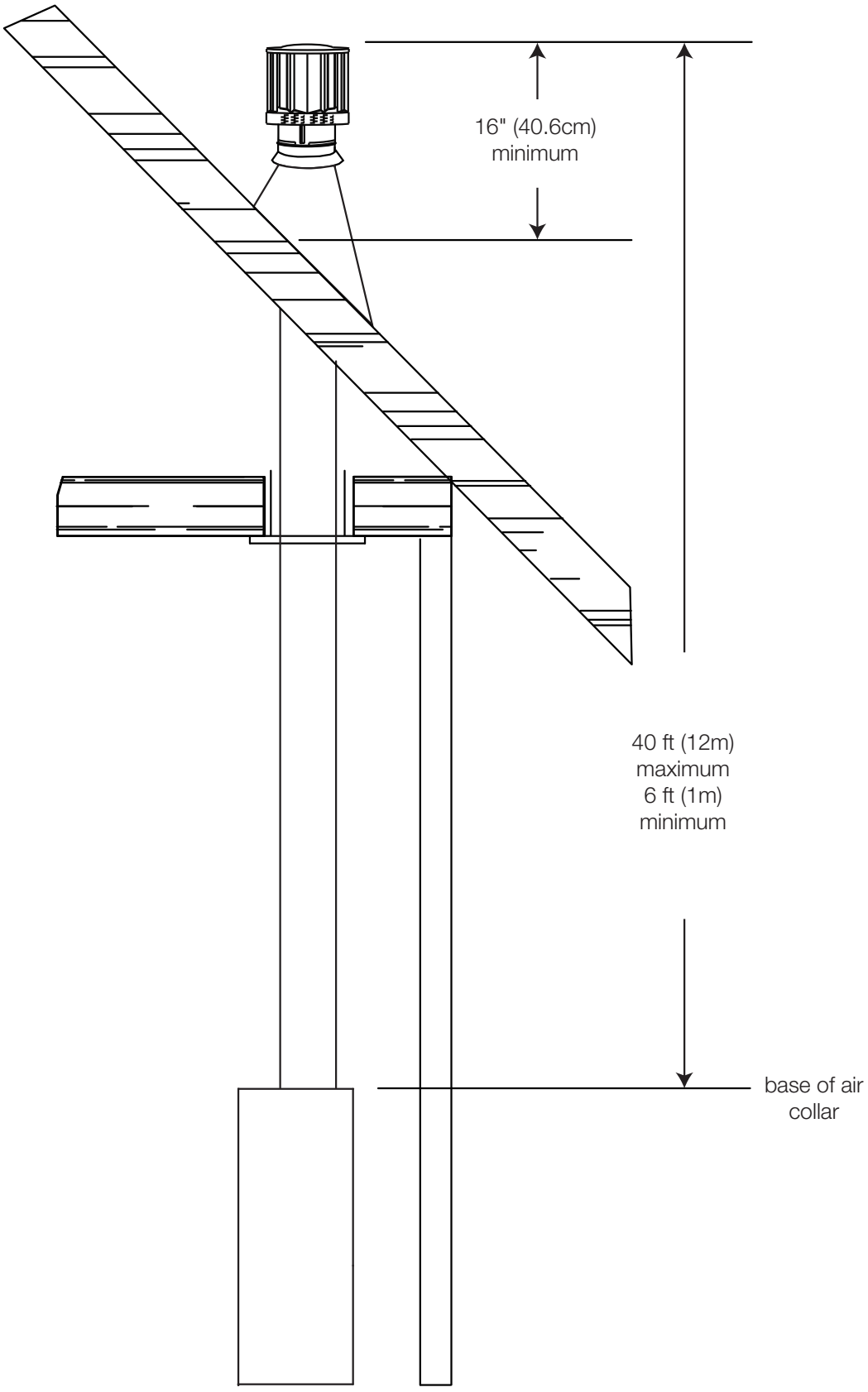


SEE-THRU

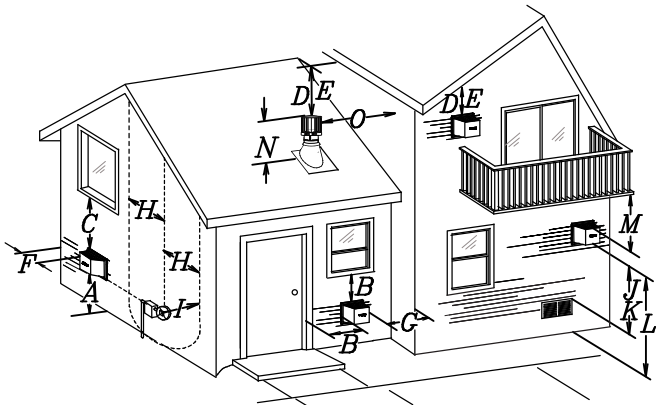
	LVX38	LVX50	LVX62	LVX74
D	40"	46 1/2"	N/A	N/A

SINGLE-SIDED OR SEE-THRU

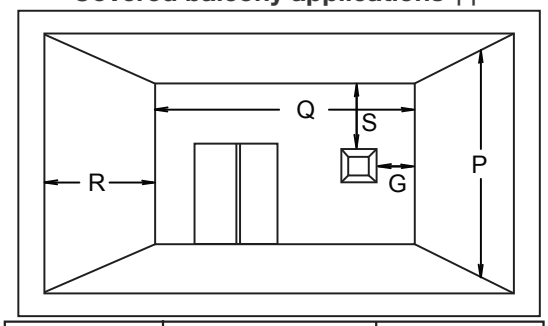


minimum venting requirements

3.2 minimum air terminal location clearances



Covered balcony applications ††*



Q_{MIN} = 3 feet (0.9m)	$R_{MAX} = 2 \times Q_{ACTUAL}$	$R_{MAX} \leq$ 15 feet (4.6m)

	INSTALLATIONS		
	CANADA	**U.S.A.**	
A	12” (30.5cm)	12” (30.5cm)	Clearance above grade, veranda porch, deck or balcony.
B	12” (30.5cm)Δ	9” (229mm)	Clearance to windows or doors that open.
C	12” (30.5cm)*	9” (229mm) *	Clearance to permanently closed windows.
D	18” (45.7cm)**	18” (45.7cm)**	Vertical clearance to ventilated soffits located above the terminal within a horizontal distance of 2’ (0.6m) from the center line of the terminal.
E	12” (30.5cm)**	12” (30.5cm)**	Clearance to unventilated soffit.
F	0” (0mm)	0” (0mm)	Clearance to an outside corner wall.
G	0” (0mm)***	0” (0mm)***	Clearance to an inside **non**-combustible corner wall or protruding **non**-combustible obstructions (chimney, etc.).
	2” (51mm)***	2” (51mm)***	Clearance to an inside combustible corner wall or protruding combustible obstructions (vent chase, etc.).
H	3’(0.9m)	3’(0.9m)****	Clearance to each side of the center line extended above the meter / regulator assembly to a maximum vertical distance of 15’ (4.6m).
I	3’ (0.9m)	3’ (0.9m)****	Clearance to a service regulator vent outlet.
J	12” (30.5cm)	9” (229mm)	Clearance to a non-mechanical air supply inlet to the building or a combustion air inlet to any other appliance.
K	6’ (1.8m)	3’ (0.9m) †	Clearance to a mechanical air supply inlet.
L	7’ (2.1m) ‡	7’ (2.1m) ****	Clearance above a paved sidewalk or paved driveway located on public property.
M	12” (30.5cm)††	12” (30.5cm)****	Clearance under a veranda, porch or deck.
N	16” (40.6cm)	16” (40.6cm)	Clearance above the roof.
O	2’ (0.6m)†*	2’ (0.6m) †*	Clearance from an adjacent wall including neighbouring buildings.
P	8’ (2.4m)	8’ (2.4m)	Roof must be **non**-combustible without openings.
Q	3’ (0.9m)	3’ (0.9m)	See chart for wider wall dimensions.
R	6’ (1.8m)	6’ (1.8m)	See chart for deeper wall dimensions. The terminal shall not be installed on any wall that has an opening between the terminal and the open side of the structure.
S	12” (30.5cm)	12” (30.5cm)	Clearance under a covered balcony

Δ The terminal shall not be located less than 6 feet under a window that opens on a horizontal plane in a structure with three walls and a roof.

* Recommended to prevent condensation on windows and thermal breakage

** It is recommended to use a heat shield and to maximize the distance to vinyl clad soffits.

*** The periscope requires a minimum 18 inches clearance from an inside corner.

**** This is a recommended distance. For additional requirements, check local codes.

† 3 feet above if within 10 feet horizontally.

‡ A vent shall not terminate where it may cause hazardous frost or ice accumulations on adjacent property surfaces.

†† Permitted only if the veranda, porch, or deck is fully open on a minimum of two sides beneath the floor.

†* Recommended to prevent recirculation of exhaust products. For additional requirements, check local codes.

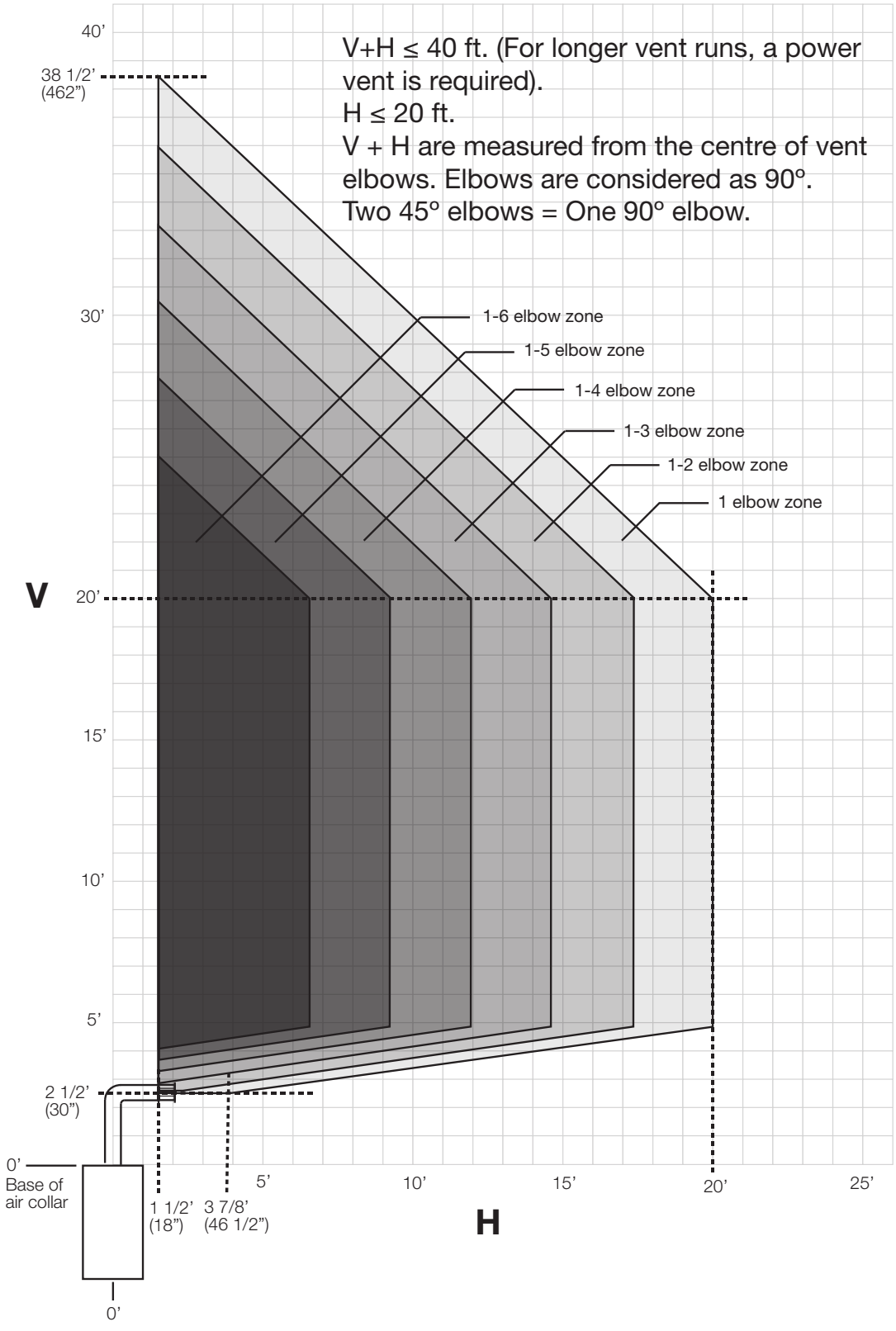
††* Permitted only if the balcony is fully open on a minimum of one side.

note:

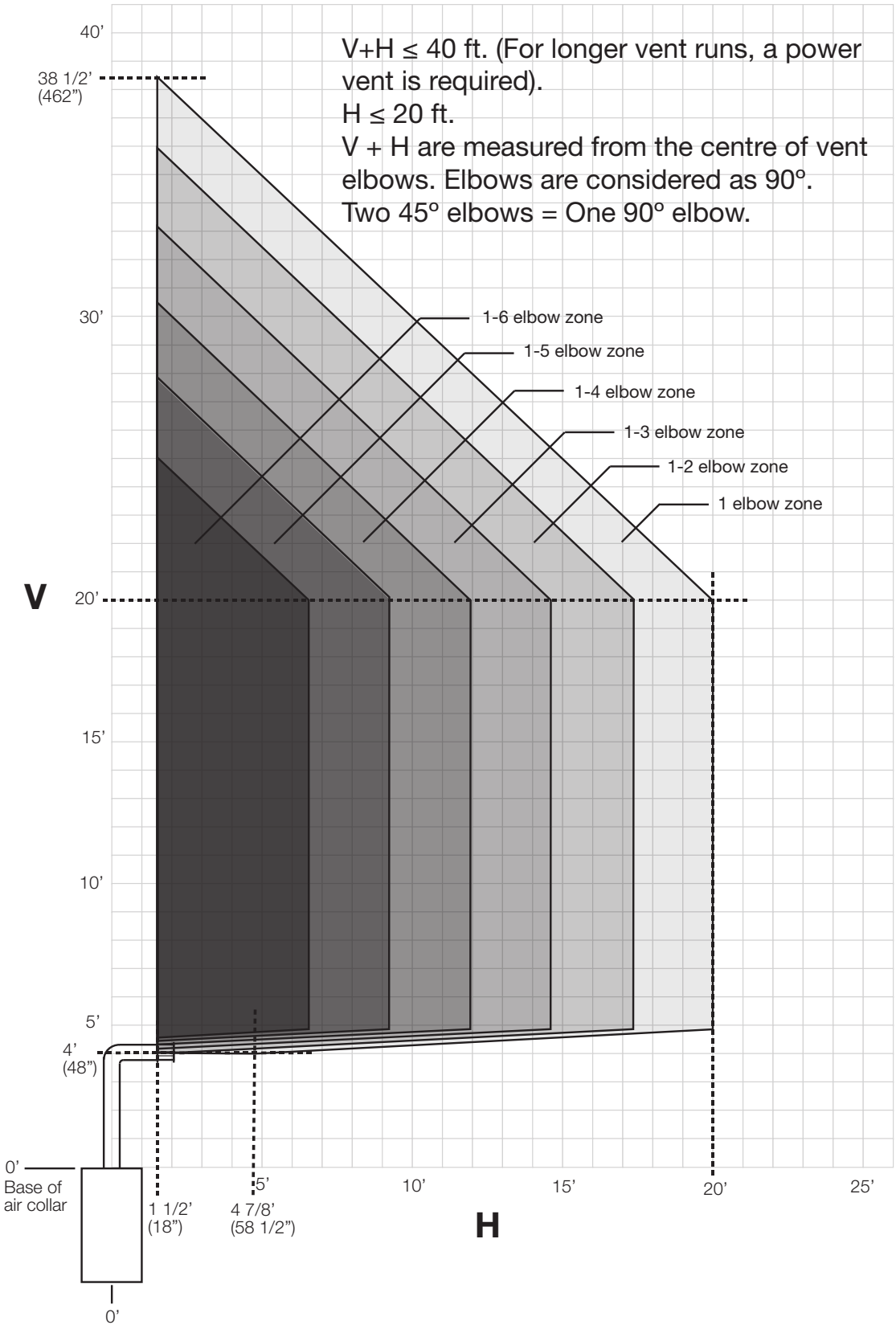
In the absence of local codes and gas supplier requirements, installation must be done in accordance to the national country requirements.

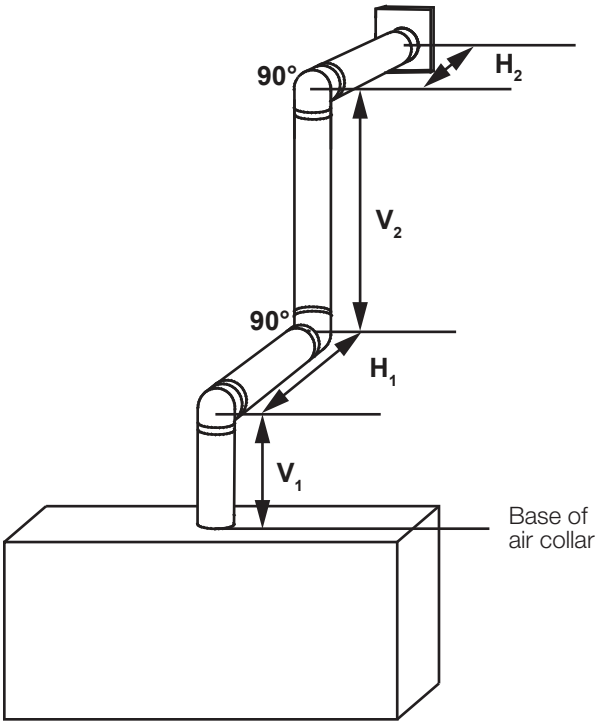
3.3 horizontal termination

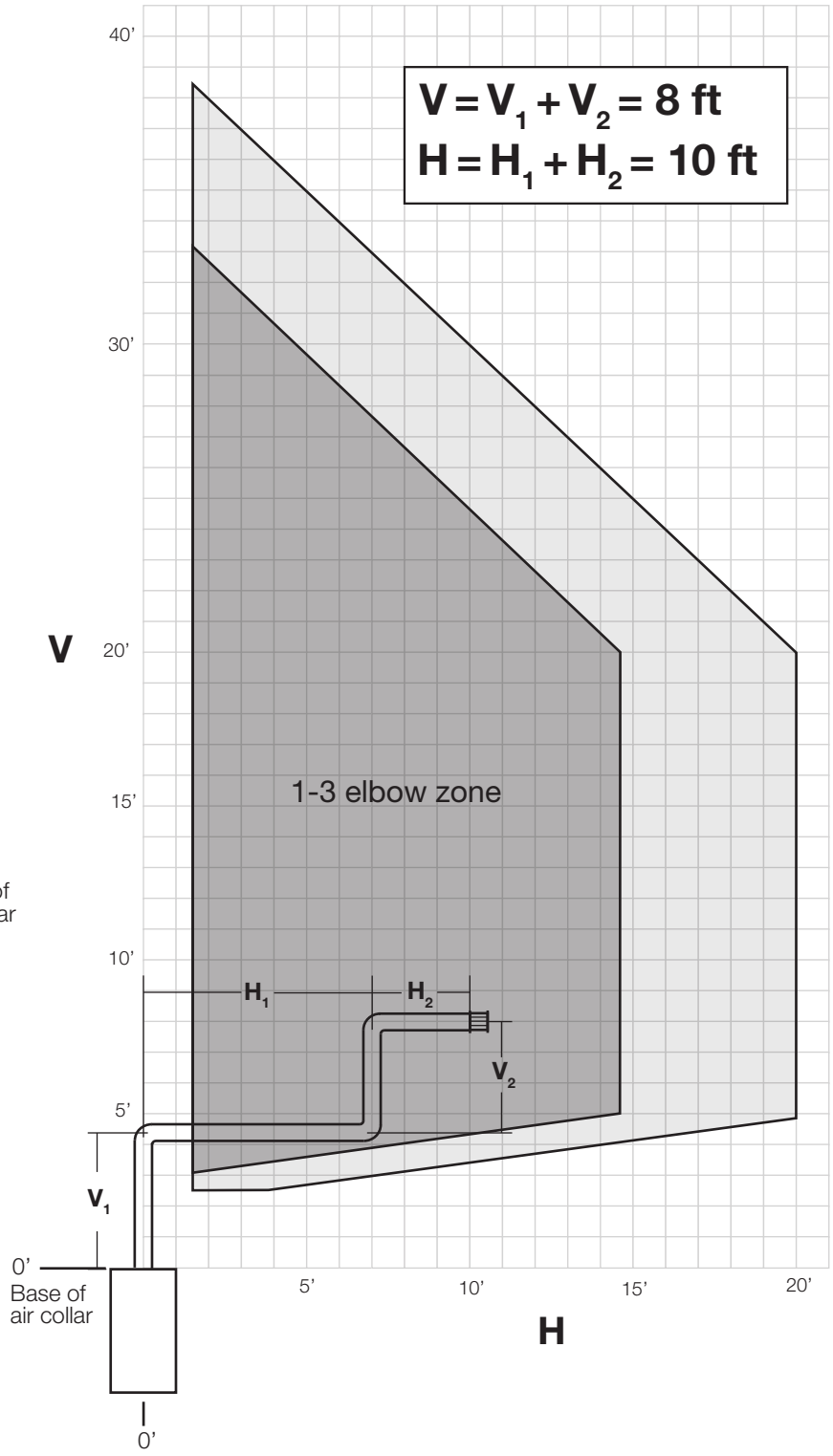
LVX38 / LVX50 / LVX62 / LVX74 SINGLE-SIDED
&
LVX38 / LVX50 SEE-THRU



LVX62/ LVX74 SEE-THRU







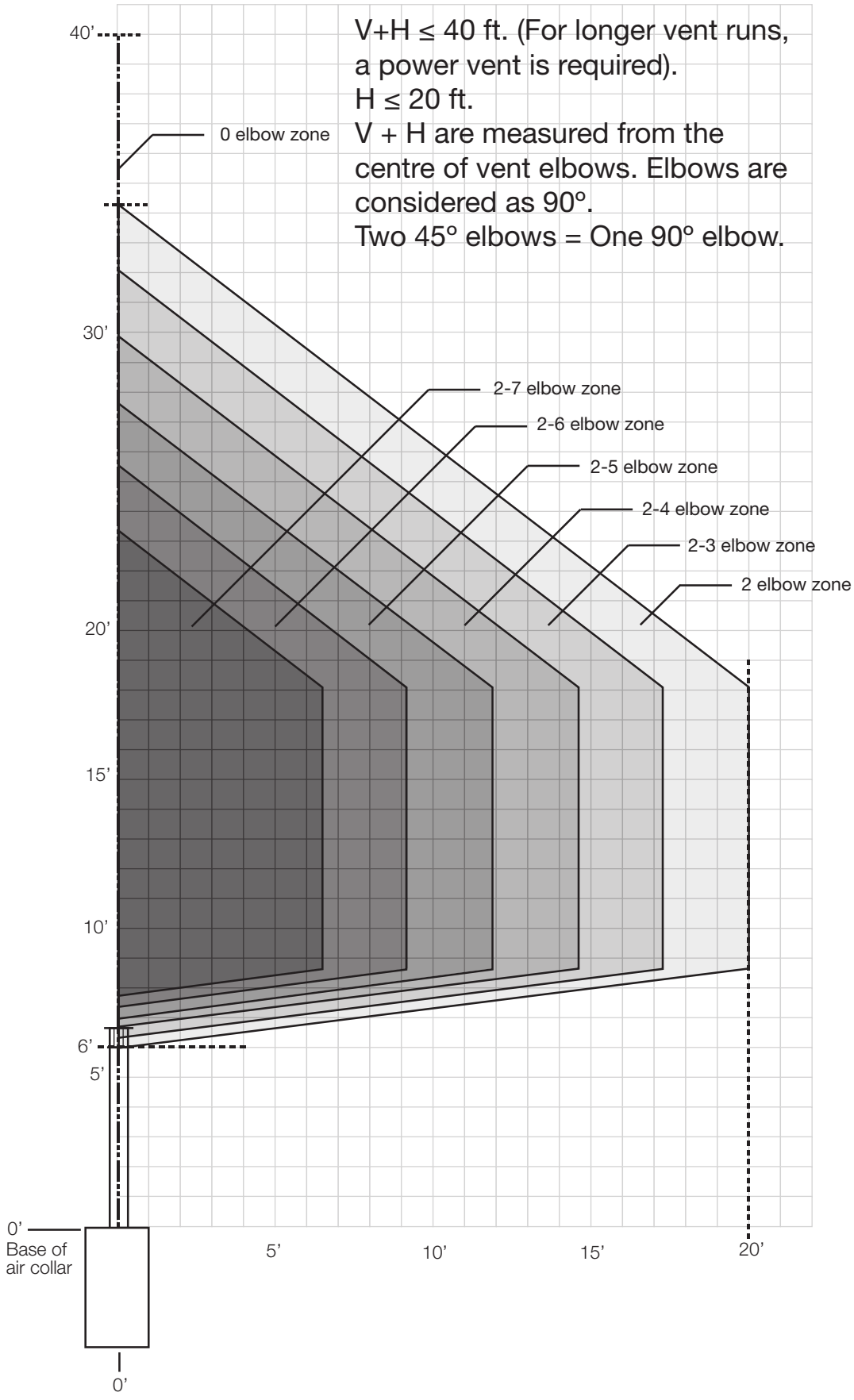
V and H are measured from the center of the vent elbows

This example represents a vent that has a maximum of three 90º elbows, a combined horizontal vent length (H) of 10 feet and a combined vertical vent length (V) of 8 feet.

Since the vent is located in the dark shaded area, it is within the acceptable vent configuration

3.4 vertical termination

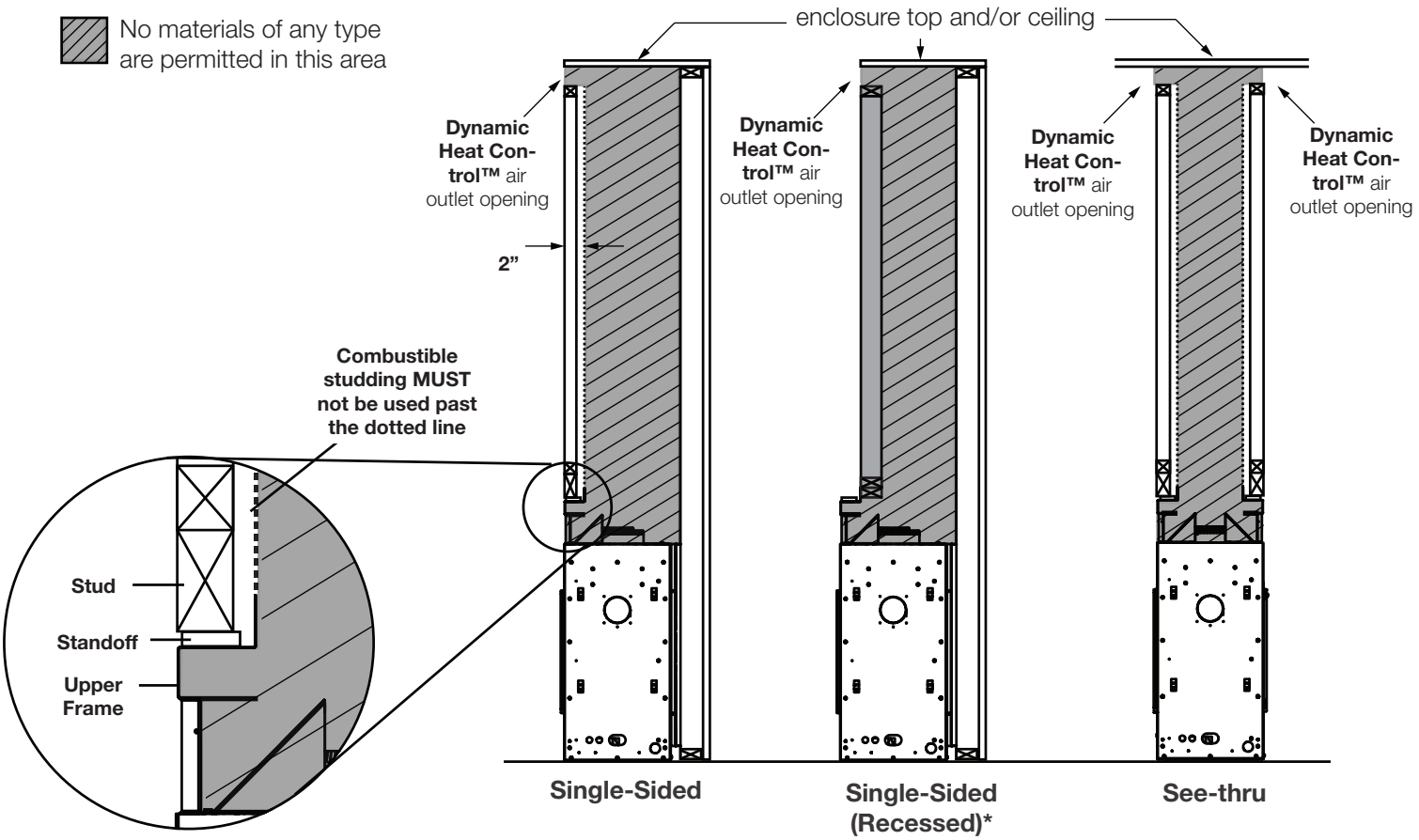
ALL APPLIANCES



⚠ WARNING

- Do NOT cover or place any items in the **Dynamic Heat Control™** air outlet. Failure to comply with these instructions will create a fire hazard.
- Ensure air flow within the air passage is not restricted in any way with the exception of approved venting.

Read Dynamic Heat Control™ section before proceeding.



*Restrictions also apply to see-thru when one or more recess is used.

Air flow in the shaded area **must** not be restricted in any way with the exception of an approved appliance vent system. No other items are allowed in this area

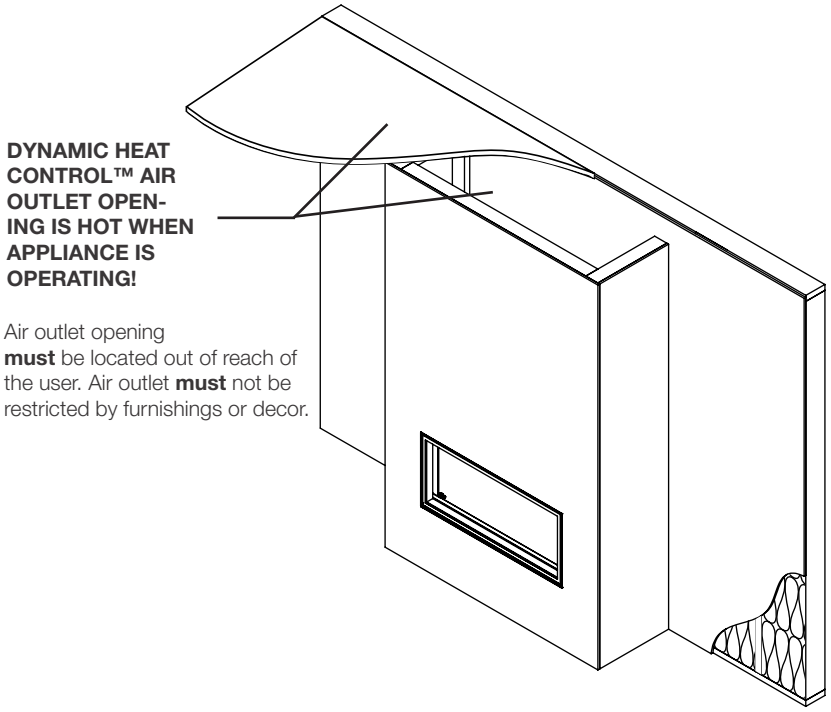
Shaded framing **must** use non-combustible materials. No combustible materials allowed in this area or the space between studs (i.e. no wiring, conduits, electrical bores, combustible framing members, etc.)

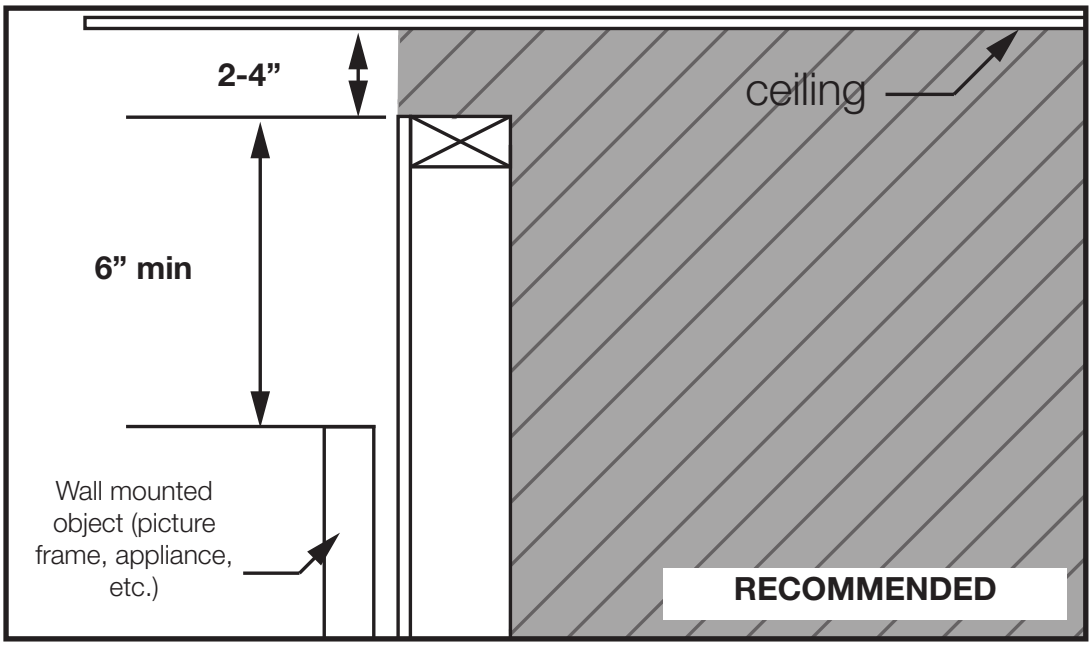
installation planning

4.1 installation option 1 - open enclosure (enclosure stops short of the ceiling)

NOT Suitable for Dynamic Heat Control™ Plus

It is one option not to finish or close in the top of the enclosure to provide the necessary air circulation path for the **Dynamic Heat Control™** system. Leaving a complete air outlet opening above the enclosure has been found to be well accepted with respect to final appearance and offer minimal distraction. It also allows for efficient circulation of air within the room. This option offers the simplest method for framing and installation. (If installing **Dynamic Heat Control™ Plus**, refer to option 2 or 3 - **DHC Plus cannot be used with option 1**). Limit the air outlet opening height to 4" to reduce the risk of items inadvertly falling into the enclosure. **The air outlet opening must extend around the entire perimeter, or the entire front face of the enclosure, where the enclosure runs from wall to wall.**

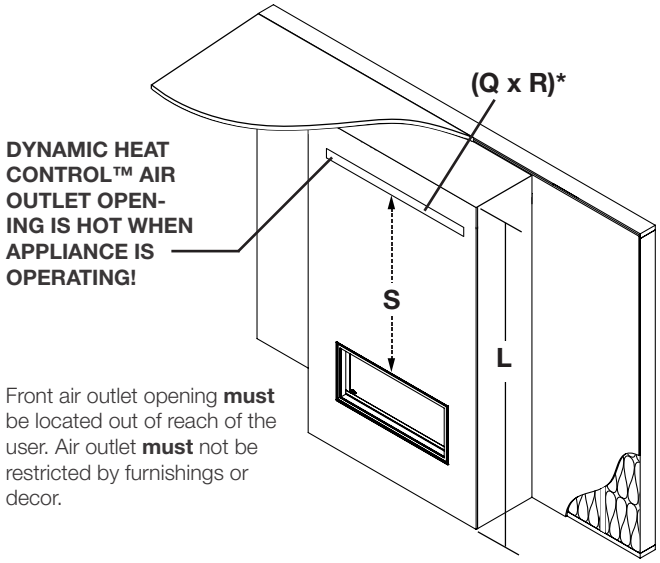


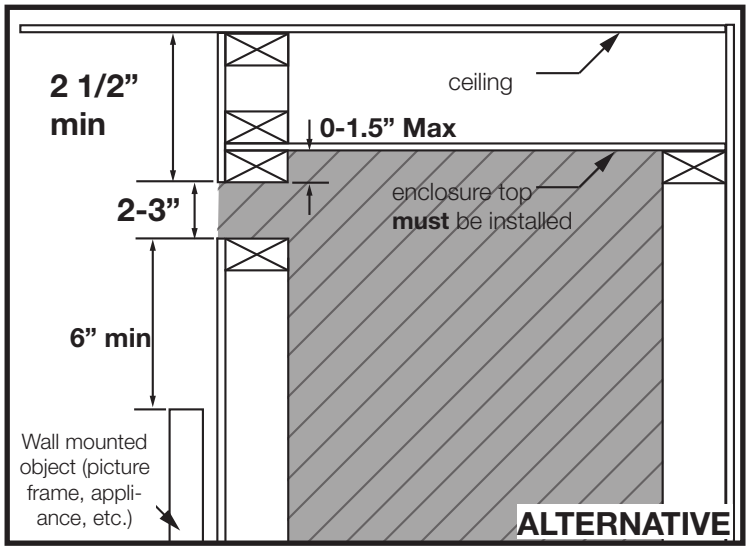


4.2 installation option 2 - front opening

Suitable for Dynamic Heat Control™ Plus

Minimum air outlet opening dimensions **must** be followed. The opening is required to be framed no more than 1.5" below the enclosure top (see option 2 diagram) to avoid trapping heat in the upper areas and the air outlet opening centered on the appliance center. **Framing the air outlet opening lower will overheat the appliance, the enclosure, and finishing material.**





Air outlet opening is required to be centered with the appliance.

MINIMUM AIR OUTLET OPENING DIMENSIONS

	LVX38	LVX50	LVX62	LVX74
(Q x R)*	80 sq. in. minimum (Q **must** be 2-3")		160 sq. in. minimum (Q **must** be 2-3")	
S	This dimension is determined from the enclosure height (L) minus the distance to the top of the Dynamic Heat Control™ air outlet opening (0"-1.5"), height of the air opening (2"-3"), and the distance from the base of the appliance to the top of the appliance viewing area (25 11/16").			

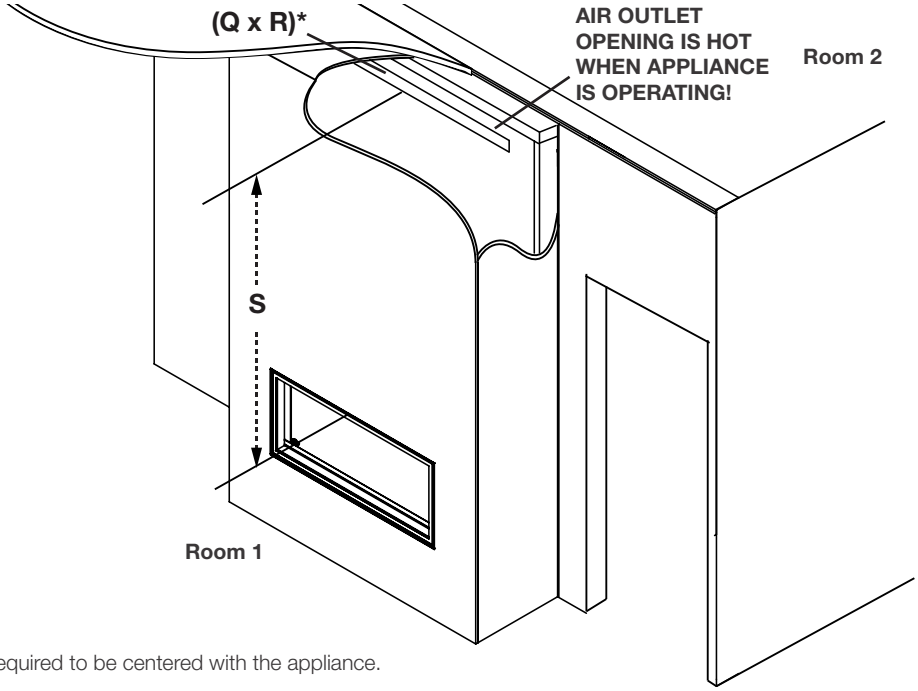
***Free area. Any trim edging or finishing must not reduce or restrict minimum area. Grills, grates, louvres, or other unapproved covers are not permitted and will cause a fire hazard.**

4.3 installation option 3 - Rear Opening

Suitable for Dynamic Heat Control™ Plus

Minimum air outlet opening dimension **must** be followed. The opening is required to be framed no more than 1.5" below the enclosure top (see option 3 diagram) to avoid trapping heat in the upper areas and centered on the appliance center. **Framing the rear opening lower will overheat the appliance, the enclosure, and finishing material.**

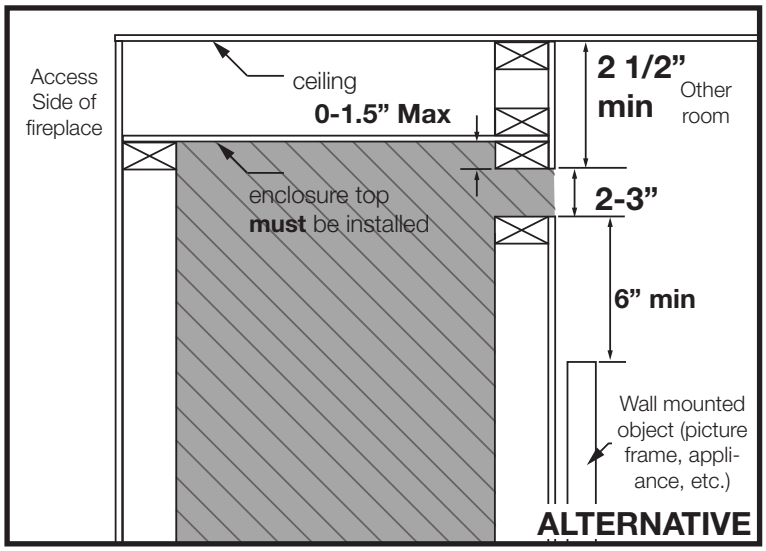
Dynamic Heat Control™ rear air outlet opening **must** be located out of reach of the user. Opening **must** not be restricted by furnishings or decor.



Air outlet opening is required to be centered with the appliance.

⚠ WARNING

- **When using a rear air outlet opening, it is critical that the adjoining room or living spaces are in direct air communication (i.e. of an open plan configuration or connected by a permanently open doorway or archway). This prevents the appliance from being in a negative pressure more than that of the adjoining room. Failure to follow these requirements can result in reversing the Dynamic Heat Control™ air flow and will cause the appliance, safety barrier, and finishing materials to overheat, creating a fire hazard.**



note:

Increasing the air outlet opening will allow the appliance, the glass barrier (if equipped), the temperatures on the surfaces above the fireplace opening, and the enclosure be at cooler temperatures. It will also allow the air to circulate more effectively in the room. **However, if the appliance is equipped with the Dynamic Heat Control™ Plus, then the opening size must be 80 sq. in. for models LV38-1, LV50-2, LVX38, and LVX50, or 160 sq. in. for models LV62, LV74, LVX62, and LVX74.**

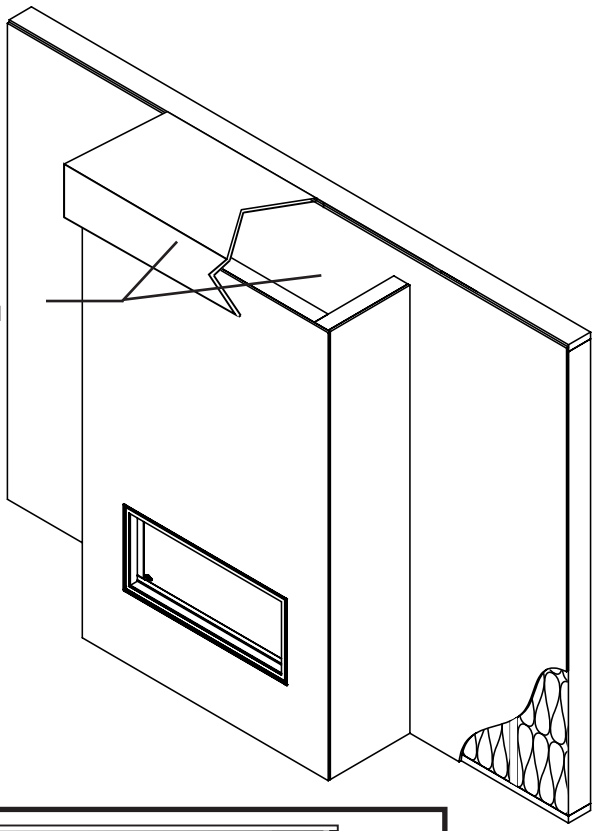
4.4 installation option 4 - open enclosure with hard combustible valance

NOT Suitable for Dynamic Heat Control™ Plus

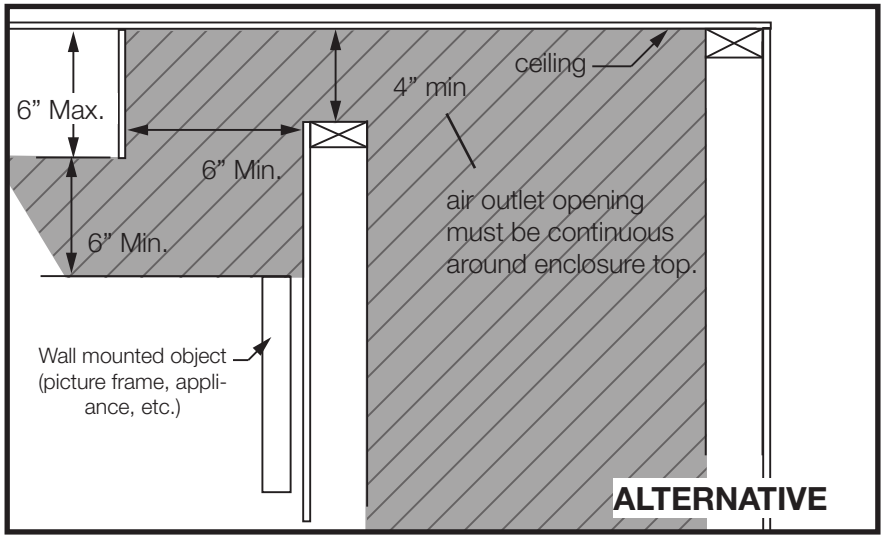
is similar to option 1 with the addition of a hard combustible valance. Minimum opening dimensions and valance dimensions **must** be followed (See option 4 diagram). **Restricting air movement within the valance area will overheat the appliance, the enclosure, and finishing material.**

NOTE: Air outlet opening must be at least continuous around the top of the enclosure for a valance to be permitted. Using the minimum air outlet opening from option 1 or 2 is not permitted and will overheat the appliance.

DYNAMIC HEAT CONTROL™ AIR OUTLET OPENING IS HOT WHEN APPLIANCE IS OPERATING!



Air outlet opening must be located out of reach of the user.
Air outlet **must** not be restricted by furnishings or decor.



ABSOLUTELY NO OBSTRUCTION OR RESTRICTION ALLOWED IN THE ENTIRE SHADED AREA WITH THE EXCEPTION OF APPROVED VENTING

5.0 rough framing - before appliance installation

note:

When using optional finishing accessories, the framing dimensions and finishing materials may differ from what is outlined in the section below; refer to the leaflet instructions supplied in the accessory kit for specific framing and finishing specifications.

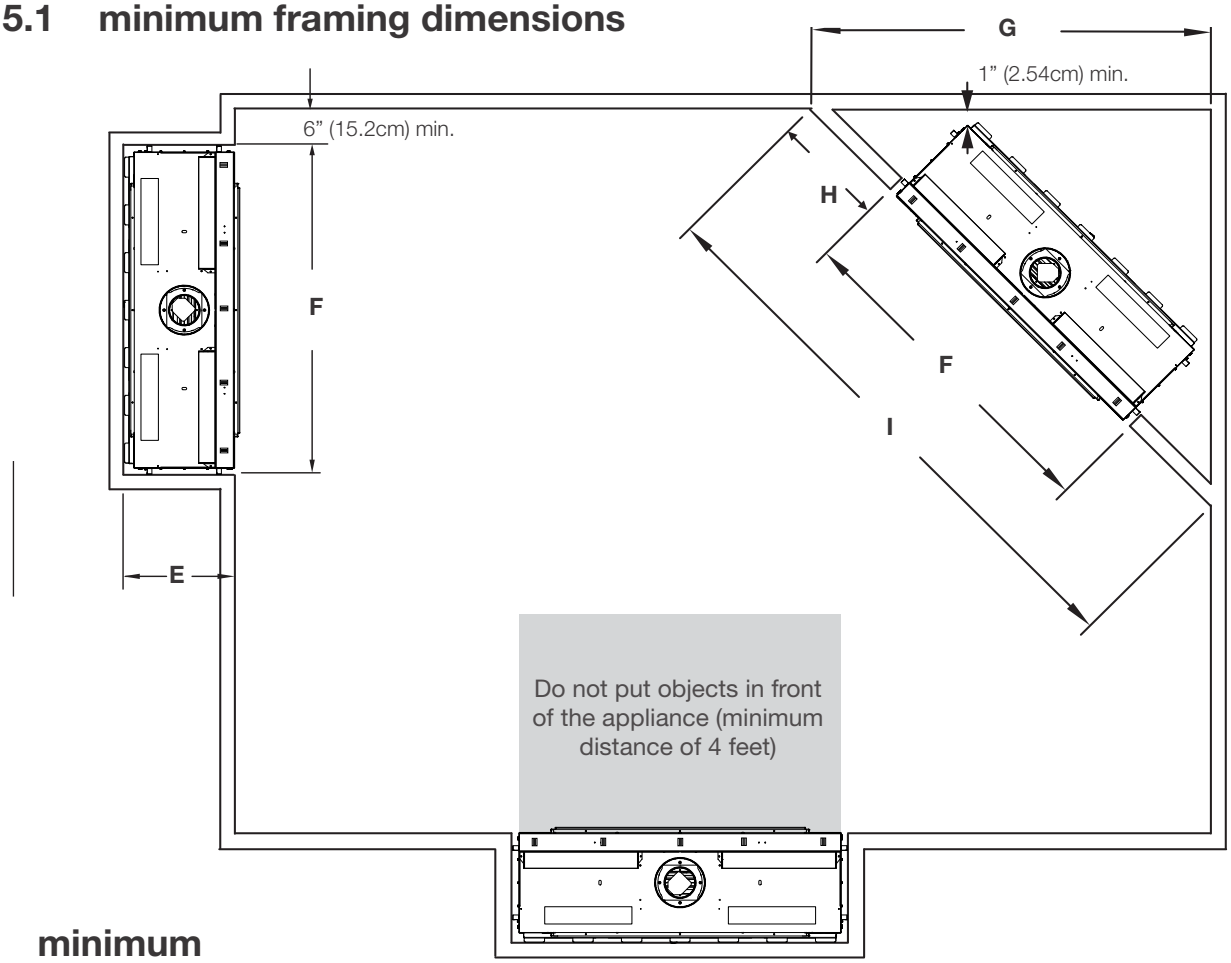
⚠ WARNING

- Risk of fire!
- In order to avoid the possibility of exposed insulation or vapour barrier coming in contact with the appliance body, it is recommended that the walls of the appliance enclosure be “finished” (i.e. drywall / sheetrock), as you would finish any other outside wall of a home. This will ensure that clearance to combustibles is maintained within the cavity.
- Do not notch the framing around the appliance stand offs. Failure to maintain air space clearance may cause over heating and fire. Prevent contact with sagging or loose insulation or framing and other combustible materials. Block opening into the chase to prevent entry of blown-in insulation. Make sure insulation and other materials are secured.
- Minimum clearance to combustibles must be maintained or a serious fire hazard could result.
- The appliance requires a minimum enclosure height. Measure from the appliance base.)
- Minimum enclosure dimensions, air passages, inlets, and outlets must be maintained.

note:

For heavier finishing materials such as marble, we recommend adding extra support to the frame. Ensure there is adequate floor support for the appliance and finishing material.

5.1 minimum framing dimensions

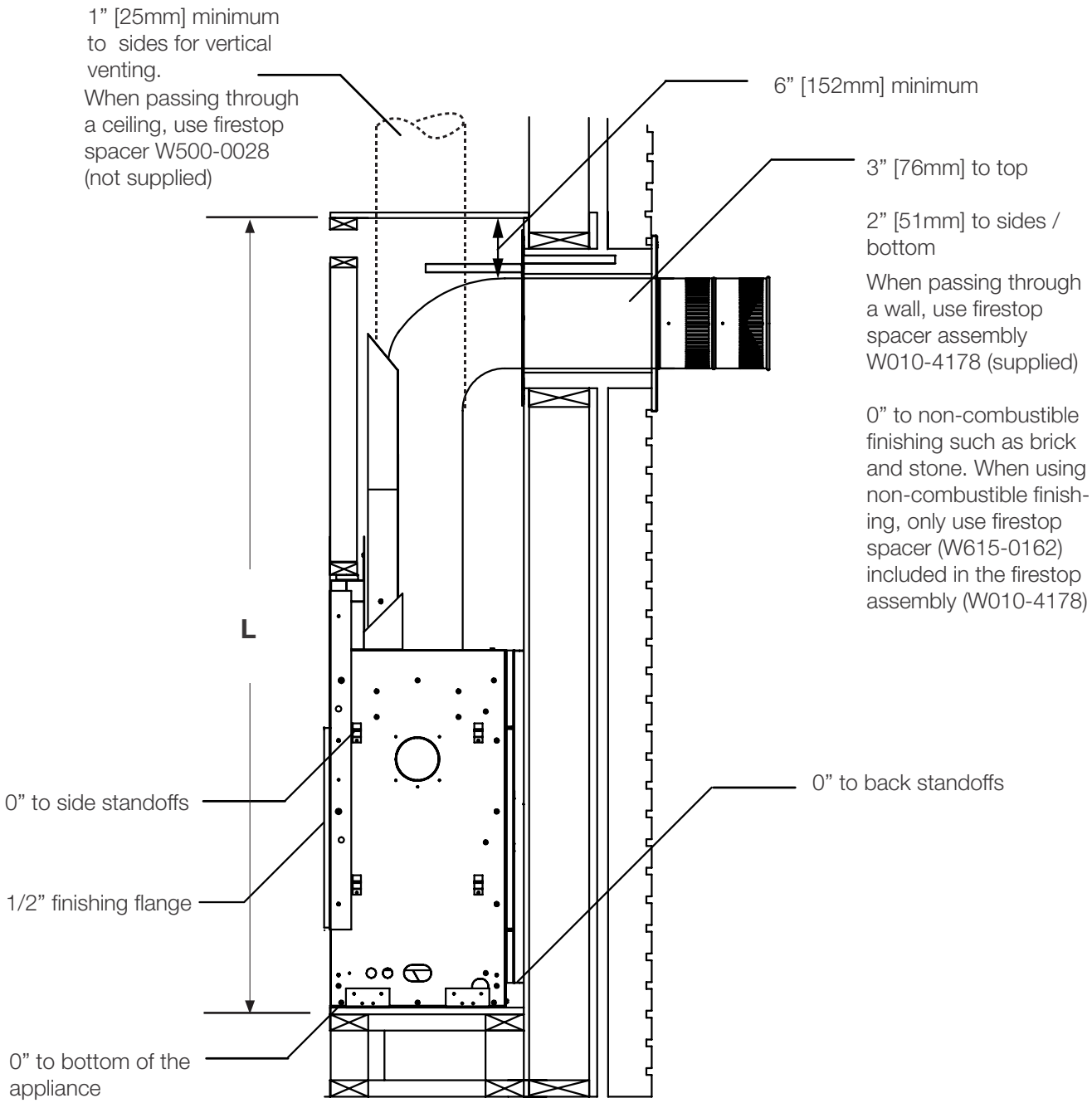


minimum

	LVX38	LVX50	LVX62	LVX74
E	18” (45.7cm)	18” (45.7cm)	18” (45.7cm)	18” (45.7cm)
F	53 13/16” (136.7cm)	65 13/16” (167.2cm)	77 13/16” (197.6cm)	89 13/16” (228.1cm)
G	63 3/4” (162cm)	72 1/4” (183.5cm)	80 11/16” (205cm)	89 1/4” (226.6cm)
H	18 3/16” (46.2cm)	18 3/16” (46.2cm)	18 3/16” (46.2cm)	18 3/16” (46.2cm)
I	90 3/16” (229cm)	102 3/16” (259.5cm)	114 1/8” (289.9cm)	126 1/8” (320.4cm)

5.1.1 minimum clearance to combustible enclosures

single-sided



note:

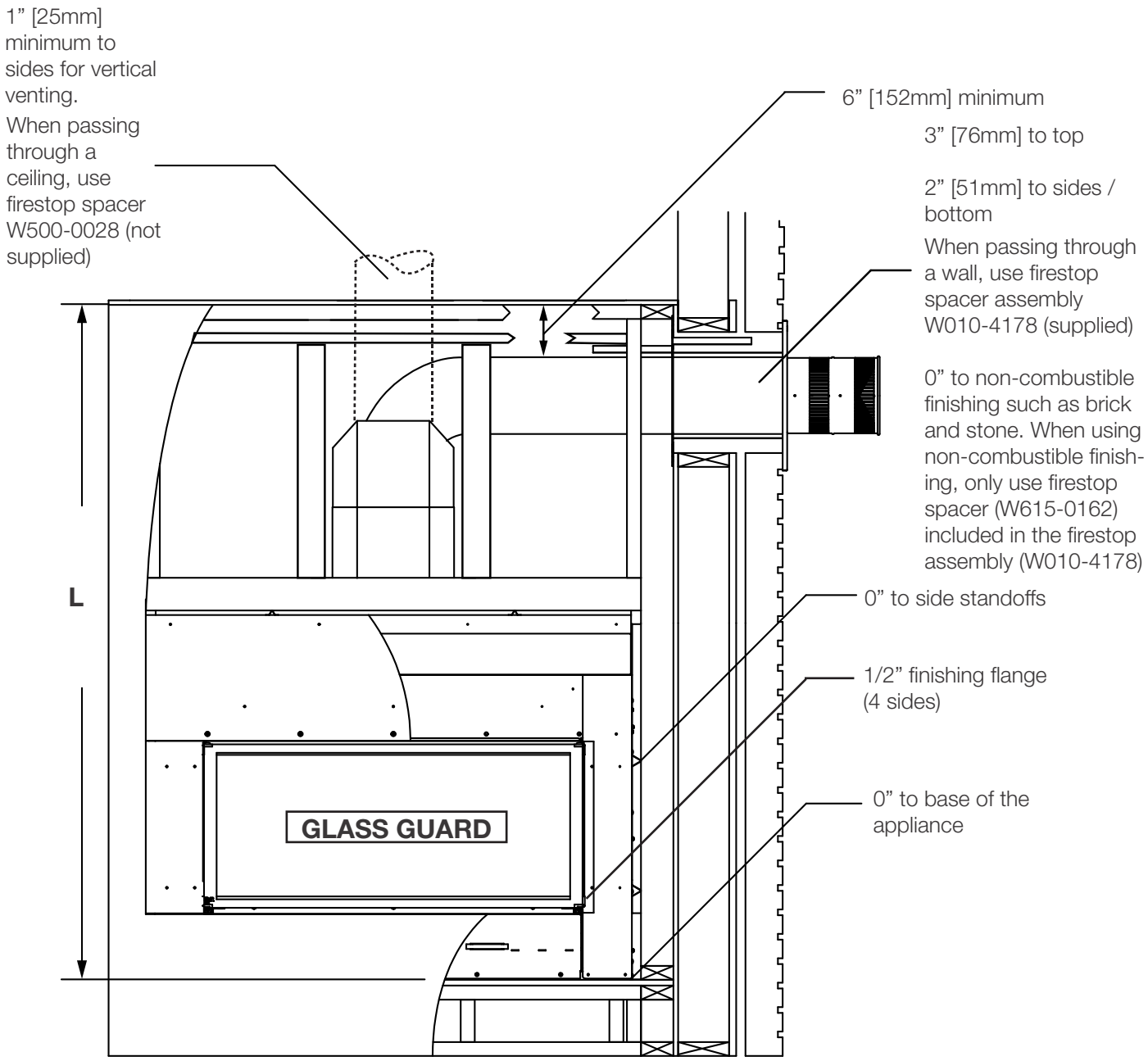
The LVX series requires a minimum inside enclosure height of 73” measured from the bottom of the appliance. For temperature requirements, this area must be left unobstructed. It is mandatory to ventilate the enclosure according to these instructions.

minimum

Ref	LVX38	LVX50	LVX62	LVX74
L	73” (185.4cm)	73” (185.4cm)	91” (231.1cm)	91” (231.1cm)

rough framing - before appliance installation

see-thru



minimum

Ref	LVX38	LVX50	LVX62	LVX74
L	73” (185.4cm)	73” (185.4cm)	91” (231.1cm)	91” (231.1cm)

note:

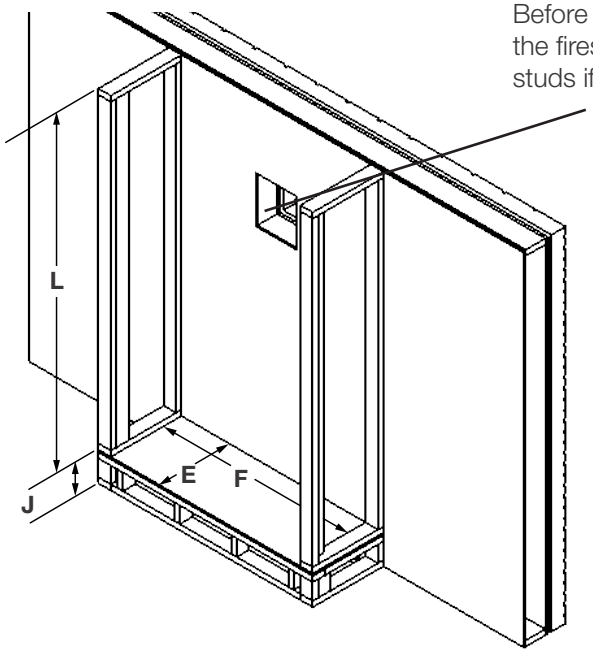
Although the minimum enclosure height for the LVX series is 73”, some venting configurations that require more vertical rise will require a larger enclosure to provide minimum vertical clearance between vent pipes and combustibles.

rough framing - before appliance installation

EN

Before framing your appliance, determine vent requirements before deciding the final location of the appliance. After rough framing, place the appliance in its final position.

single-sided



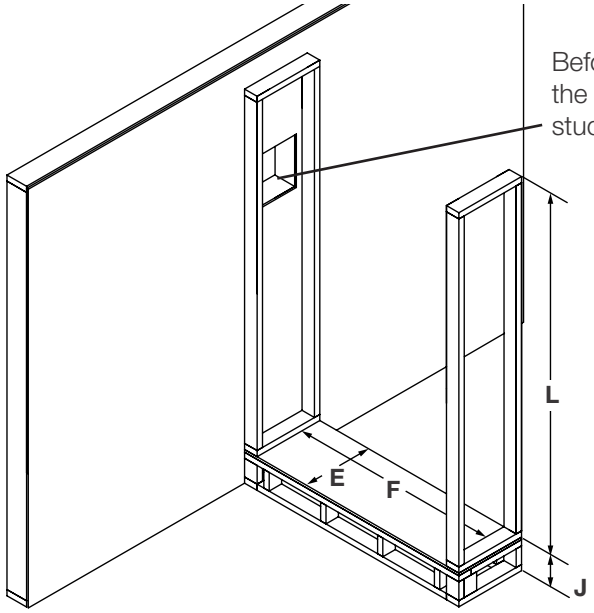
Before framing the appliance, ensure to install the firestop first as it will not fit between the studs if installed after framing.

note:

Although the minimum enclosure height for the LVX series is 73", some venting configurations that require more vertical rise will require a larger enclosure to provide minimum vertical clearance between vent pipes and combustibles.

Ref	LVX38	LVX50	LVX62	LVX74
E	18" (45.7cm)	18" (45.7cm)	18" (45.7cm)	18" (45.7cm)
F	53 13/16" (136.7cm)	65 13/16" (167.2cm)	77 13/16" (197.6cm)	89 13/16" (228.1cm)
J	Optional - Appliance does not need to be elevated above floor			
L	73" (185.4cm)	73" (185.4cm)	91" (231.1cm)	91" (231.1cm)

see-thru



Before framing the appliance, ensure to install the firestop first as it will not fit between the studs if installed after framing.

note:

Although the minimum enclosure height for the LVX series is 73", some venting configurations that require more vertical rise will require a larger enclosure to provide minimum vertical clearance between vent pipes and combustibles.

Ref	LVX38	LVX50	LVX62	LVX74
E	16 3/16" (41.1cm)	16 3/16" (41.1cm)	16 3/16" (41.1cm)	16 3/16" (41.1cm)
F	53 13/16" (136.7cm)	65 13/16" (167.2cm)	77 13/16" (197.6cm)	89 13/16" (228.1cm)
J	Optional - Appliance does not need to be elevated above floor			
L	73" (185.4cm)	73" (185.4cm)	91" (231.1cm)	91" (231.1cm)

6.0 venting installation

⚠ WARNING

- Ensure to unpack all loose materials from inside the firebox prior to connecting the gas and electrical supply
- **If your appliance is supplied with a remote, ensure the remote receiver is in the "OFF" position prior to connecting the gas and electrical supply to the appliance.**
- For safe and proper operation of the appliance, follow the venting instructions exactly.
- **The appliance exhaust flue collar must be sealed using Mill Pac**. All exhaust and intake vent pipe joints must be sealed using red RTV high temp silicone sealant (W573-0002) (not supplied) or black high temp Mill Pac (W573-0007) (not supplied).
- If using pipe clamps to connect rigid vent components, a minimum of 3 screws must also be used to ensure the connection cannot slip off.
- Do not clamp the flexible vent pipe.
- Risk of fire, explosion, or asphyxiation. Improper support of the entire venting system may allow vent to sag and separate. Use vent run supports and connect vent sections per installation instructions.
- Risk of fire, do not allow loose materials or insulation to touch the vent pipe. Remove insulation to allow for the installation of the attic shield and to maintain clearances to combustibles.
- Do not fill the space between the vent pipe and enclosure with any type of material. Do not pack insulation or combustibles between ceiling firestops. Always maintain specified clearances around venting and firestop systems. Install wall shields and firestops as specified. Failure to keep insulation or other materials away from vent pipe may cause fire.

For optimum performance, it is recommended that all horizontal runs have a minimum of 1/4" (6mm) rise per foot using flexible venting.

note:

The vent shield is telescopic and must be adjusted to shield the first 30" (76.2cm) of vertical vent when applicable.

For vent shield installation, see section "vent shield installation"

Power vent system available with reduced vent pipe diameter and longer vent runs.

6.1 firestop spacer assembly

1. Install firestop standoffs onto the firestop spacer (Figure 1).
2. Install firestop vent shield below the top firestop standoff (Figure 2).
3. Install the other firestop vent shield on the opposite side (Figure 3).

Type 3 (x18)

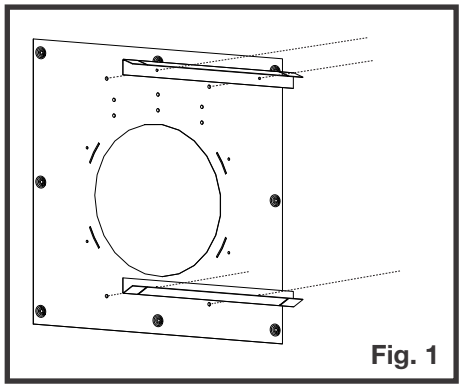


Fig. 1

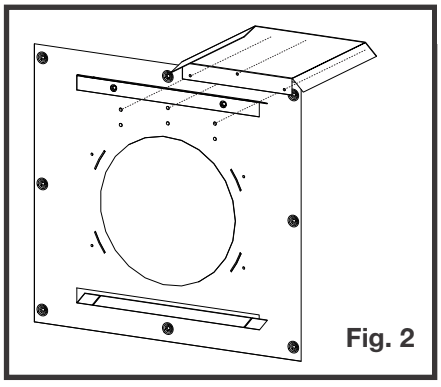


Fig. 2

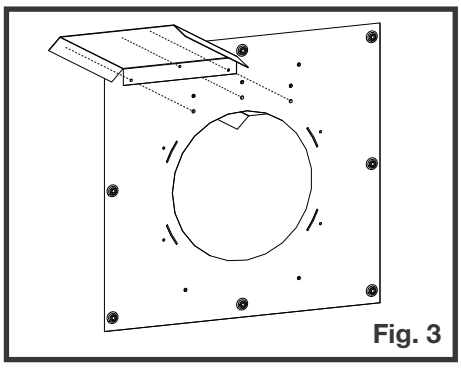


Fig. 3

4. Bend vent sleeve as shown and ensure to clip the ends together (Figure 4).
5. Ensure both ends line up and secure ends with clip and fasteners (Figure 5).

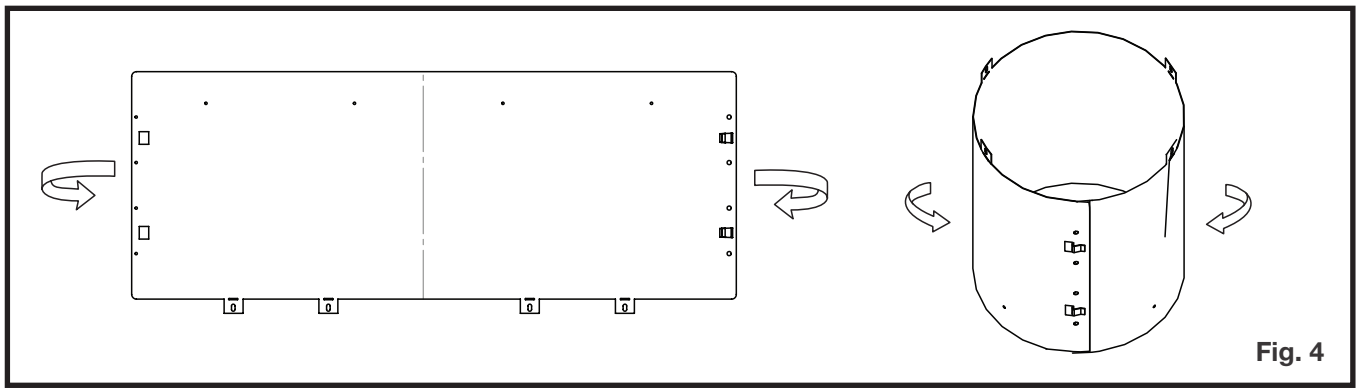


Fig. 4

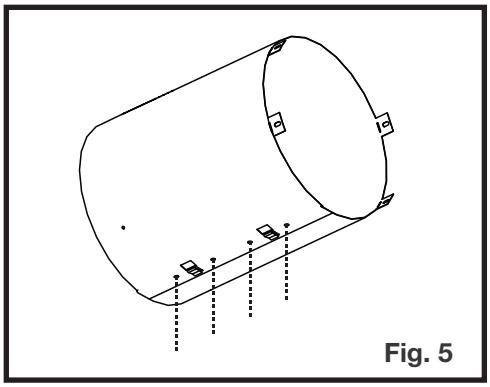


Fig. 5

6. Insert the vent sleeve tabs into the firestop spacer sockets, bend vent sleeve tabs, and secure to the fire-stop spacer with 4 supplied fasteners (Figure 6).

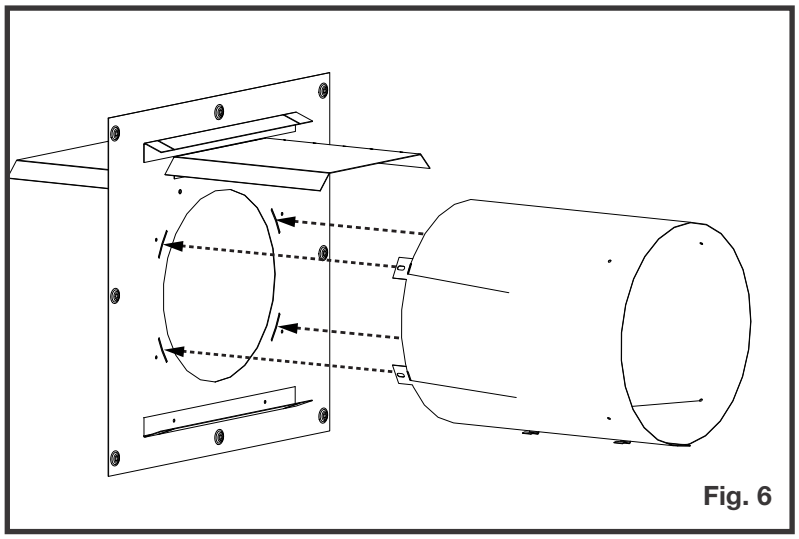


Fig. 6

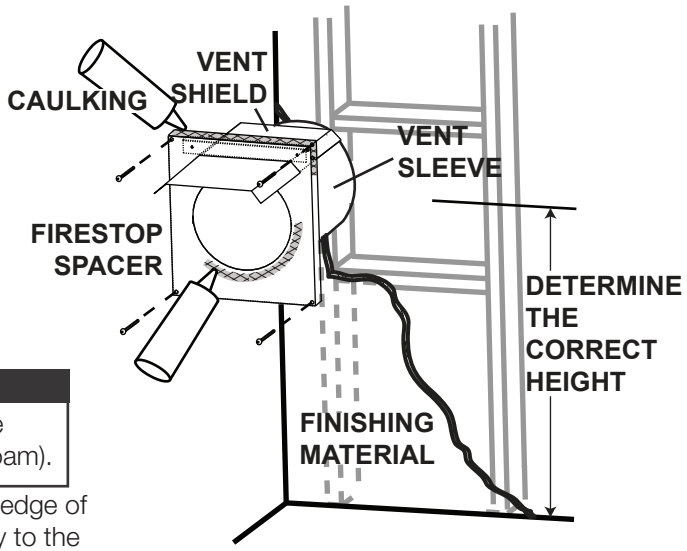
6.2 horizontal installation

⚠ WARNING

- The firestop assembly must be installed with the vent shield to the top.
- Terminals must not be recessed into a wall or siding more than the depth of the return flange of the mounting plate.

This application occurs when venting through an exterior wall. Having determined the correct height for the air terminal location, cut and frame a hole in the exterior wall, as illustrated, to accommodate the firestop assembly. Dry fit the firestop assembly before proceeding to ensure the brackets on the rear surface fit to the inside surface of the horizontal framing.

The length of the vent shield may be cut shorter for combustible walls that are less than 8 1/2” (215.9mm) thick but the vent shield must extend the full depth of the combustible wall.



note:

Do not fill the air space between the firestop spacer and the exterior wall with any type of insulating material (i.e. spray foam).

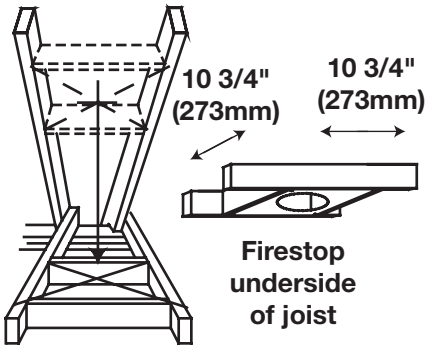
A. Apply a bead of caulking (not supplied) around the outer edge of the hole of the firestop assembly, fit the firestop assembly to the hole and secure using 4 screws.

B. Once the vent pipe is installed in its final position, apply red RTV silicone (W573-0002) (not supplied) between the pipe and the firestop.

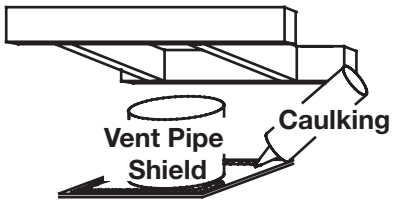
6.3 vertical installation

This application occurs when venting through a roof. Installation kits for various roof pitches are available from your authorized dealer / distributor. See the “accessories” section to order specific kits required.

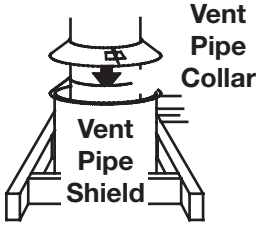
A. Determine the air terminal location, cut and frame a square opening, as illustrated, in the ceiling and the roof to provide the minimum 1" (25mm) clearance between the vent pipe and any combustible material. Try to center the vent pipe location midway between two joists to prevent having to cut them. Use a plumb bob to line up the center of the openings. A vent pipe shield will prevent any materials such as insulation, from filling up the 1" (25mm) air space around the pipe. Nail headers between the joist for extra support.



B. Apply a bead of caulking (not supplied) to the framework or to the Wolf Steel vent pipe shield plate or equivalent (in the case of a finished ceiling), and secure over the opening in the ceiling. A firestop must be placed on the bottom of each framed opening in a roof or ceiling that the venting system passes through. Apply a bead of caulking all around and place a firestop spacer over the vent shield to restrict cold air from being drawn into the room or around the fireplace. Ensure that both spacer and shield maintain the required clearance to combustibles. Once the vent pipe is installed in its final position, apply Mill Pac sealant (W573-0007) (not supplied) or red RTV silicone (W573-0002) (not supplied) between the pipe and the firestop assembly.



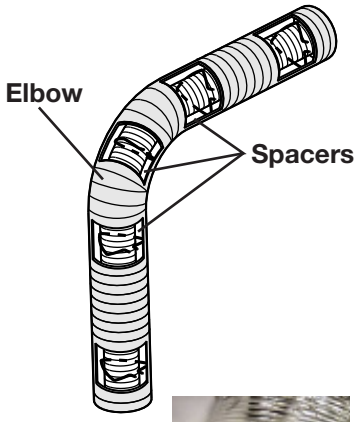
C. In the attic, slide the vent pipe collar down to cover up the open end of the shield and tighten. This will prevent any materials, such as insulation, from filling up the 1" (25mm) air space around the pipe.



6.4 using flexible vent components

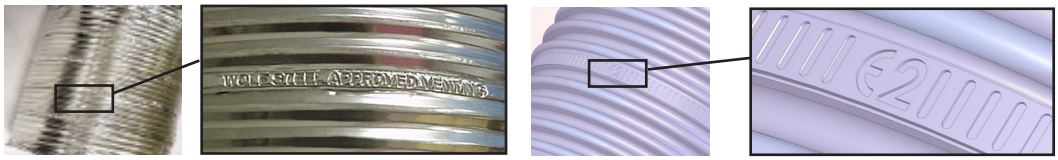
⚠ WARNING

- Do not allow the inner flex pipe to bunch up on horizontal or vertical runs and elbows. Keep it pulled tight.
- Spacers are attached to the inner flex pipe at predetermined intervals to maintain an even air gap to the outer flex pipe. This gap is required for safe operation. A spacer is required at the start, middle, and end of each elbow to ensure this gap is maintained. These spacers must not be removed.



For safe and proper operation of the appliance, follow the venting instructions exactly.
The vent system must be supported approximately every 3 feet (0.9m) for both vertical and horizontal runs. Use Wolf Steel Ltd. support ring assembly or equivalent noncombustible strapping to maintain the minimum clearance to combustibles for both vertical and horizontal runs.
All inner flex pipe and outer flex pipe joints may be sealed using high temperature red RTV silicone W573-0002 (not supplied) or the high temperature sealant W573-0007 Mill Pac (not supplied). However, the high temperature sealant W573-0007 Mill Pac (not supplied) must be used on the joint connecting the inner flex pipe and the exhaust flue collar.

Use only approved flexible vent pipe kits marked:



"Wolf Steel Approved Venting" or "E2" as identified by the stamp only on the flex pipes.

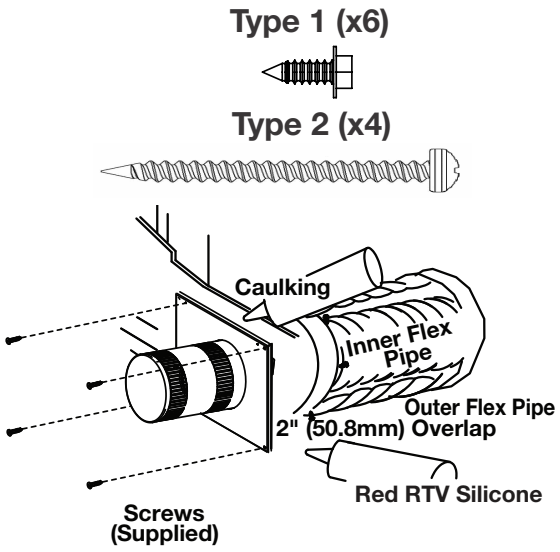
6.4.1 horizontal air terminal installation

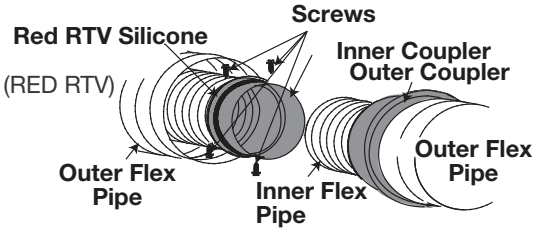
A. Stretch the inner flex pipe to the required length taking into account the additional length needed for the finished wall surface. Apply a heavy bead of the red RTV silicone (W573-0002) (not supplied) to the inner sleeve of the air terminal. Slip the vent pipe a minimum of 2" (50.8mm) over the inner sleeve of the air terminal and secure with a minimum of 3 screws.

B. Using the outer flex pipe, slide over the outer combustion air sleeve of the air terminal and secure with a minimum of 3 screws. Seal using red RTV silicone (W573-0002) (not supplied).

C. Insert the vent pipes through the firestop maintaining the required clearance to combustibles. Holding the air terminal (lettering in an upright, readable position), secure to the exterior wall and make weather tight by sealing with caulking (not supplied).

D. If more vent pipe needs to be used to reach the fireplace, couple them together, as illustrated. The vent system must be supported approximately every 3 feet (0.9m) for both vertical and horizontal runs. Use non-combustible strapping to maintain the minimum clearance to combustibles.





The air terminal mounting plate may be recessed into the exterior wall or siding no greater than the depth of its return flange.

venting installation

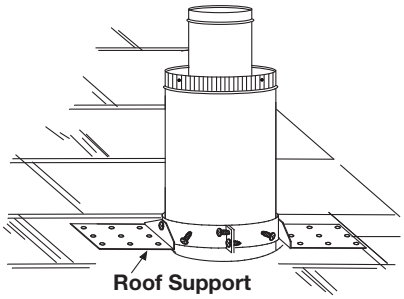
6.5 vertical air terminal installation

⚠ WARNING

- Maintain a minimum 2” (51mm) space between the air inlet base and the storm collar.

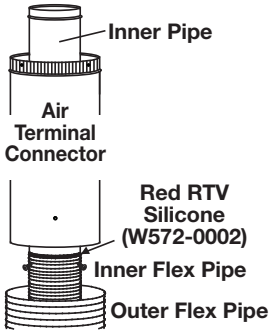
NOTE: Fastening hardware provided with appropriate roof terminal and liner kits.

A. Fasten the roof support to the roof using 6 screws. The roof support is optional. In this case, the venting is to be adequately supported using either an alternate method suitable to the authority having jurisdiction or the optional roof support.



B. Stretch the inner flex pipe to the required length. Slip the inner flex pipe a minimum of 2” (51mm) over the inner pipe of the air terminal connector and secure with a minimum of three screws, when 4/7, 5/8 and 3/5 venting is used and a minimum of six screws when using 8/10 or 8/11 venting. Seal using a heavy bead of red RTV silicone (W573-0002) (not supplied).

C. Repeat using the outer flex pipe, using a heavy bead of red RTV silicone (W573-0002) (not supplied) and a minimum of three screws, when 4/7, 5/8 and 3/5 venting is used and a minimum of six screws when using 8/10 or 8/11 venting.

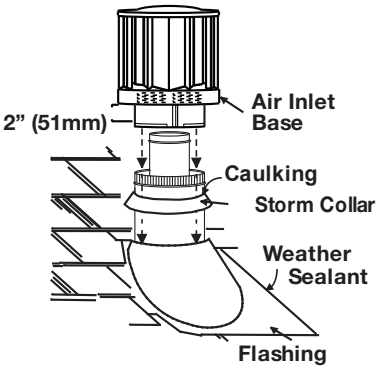


D. Thread the air terminal connector / vent pipe assembly down through the roof. The air terminal must be positioned vertically and plumb. Attach the air terminal connector to the roof support, ensuring that the top of the air terminal is 16” (40.6cm) above the highest point that it penetrates the roof.

E. Remove nails from the shingles, above and to the sides of the air terminal connector. Place the flashing over the air terminal connector leaving a min. 3/4” (19mm) of the air terminal connector showing above the top of the flashing. Slide the flashing underneath the sides and upper edge of the shingles. Ensure that the air terminal connector is properly centered within the flashing, giving a 3/4” (19mm) margin all around. Fasten to the roof. Do not nail through the lower portion of the flashing. Make weather-tight by sealing with caulking. Where possible, cover the sides and top edges of the flashing with roofing material.

F. Aligning the seams of the terminal and air terminal connector, place the terminal over the air terminal connector making sure the vent pipe goes into the hole in the terminal. Secure with a minimum of three screws, when 4/7, 5/8 and 3/5 venting is used and a minimum of six screws when using 8/10 or 8/11 venting.

G. Apply a heavy bead of weatherproof caulking 2” (51mm) above the flashing. Install the storm collar around the air terminal and slide down to the caulking. Tighten to ensure that a weather-tight seal between the air terminal and the collar is achieved.

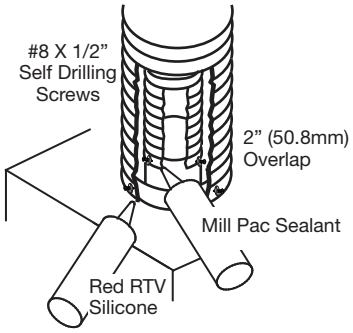


H. If more vent pipe needs to be used to reach the appliance, see “**horizontal air terminal installation**” section.

6.5.1 appliance vent connection

A. Install the inner flex pipe to the appliance. Secure with a minimum of three screws when installing 3”/5”, 4”/7” or 5”/8” venting, or six screws when installing 8”/10” or 8”/11” venting. Seal the joint and screw holes using Mill Pac sealant (W573-0007) (not supplied).

B. Install the outer flex pipe to the appliance. Secure with a minimum of three screws when installing 3”/5”, 4”/7” or 5”/”8 venting, or six screws when installing 8”/10” or 8”/11” venting. Seal the joints using high temperature red RTV silicone (W573-0002) (not supplied).



6.6 vent shield installation

note:

The vent shield is telescopic and must be adjusted to shield the first 30” of vertical vent always used.

1. Loosen the fasteners on the vent shield assembly. DO NOT DISCARD FASTENERS (Figure 1).
2. Adjust vent shield to its maximum vertical (Figure 2).
3. Tighten the fasteners to lock the vent shield height (Figure 3).

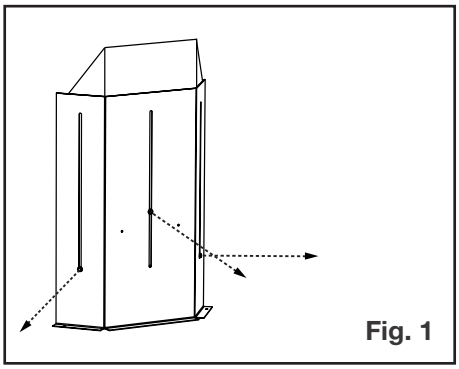


Fig. 1

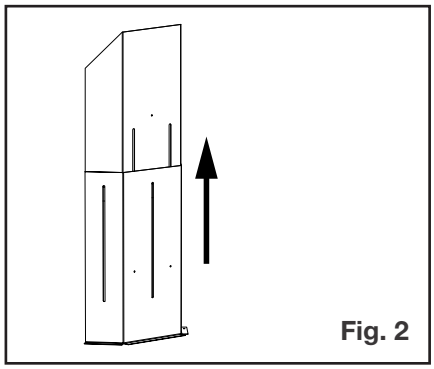


Fig. 2

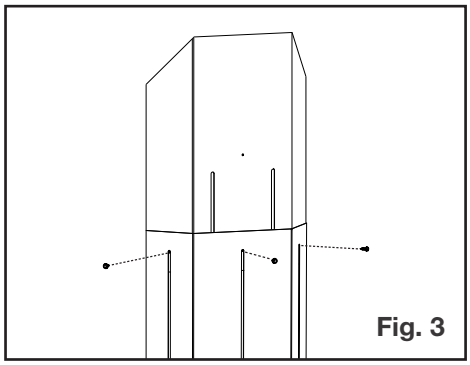


Fig. 3

4. Remove the fasteners as shown in Figure 4. DO NOT DISCARD FASTENERS
5. Align the vent shield with the holes and replace above screws (Figure 5).
6. Secure the vent shield with two fasteners (supplied) to the front upper frame (Figure 6).

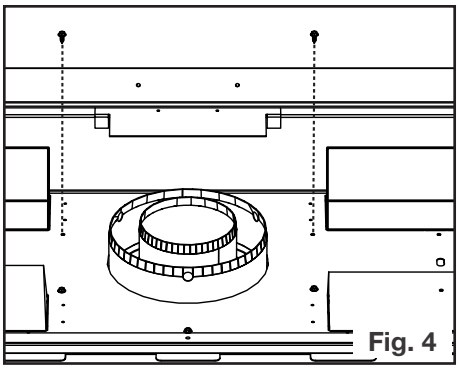


Fig. 4

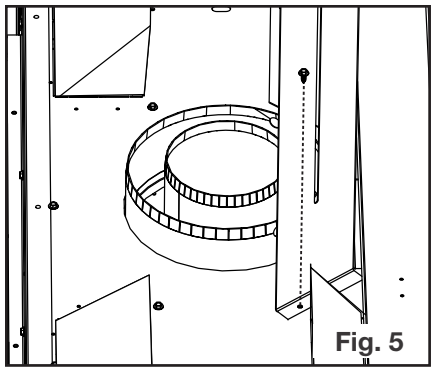


Fig. 5

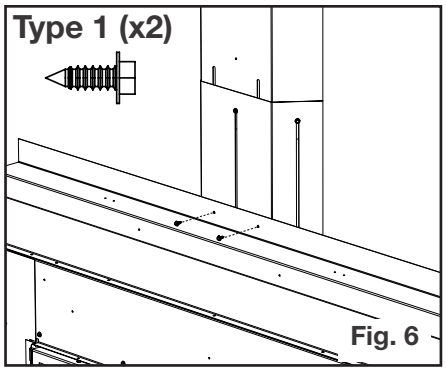
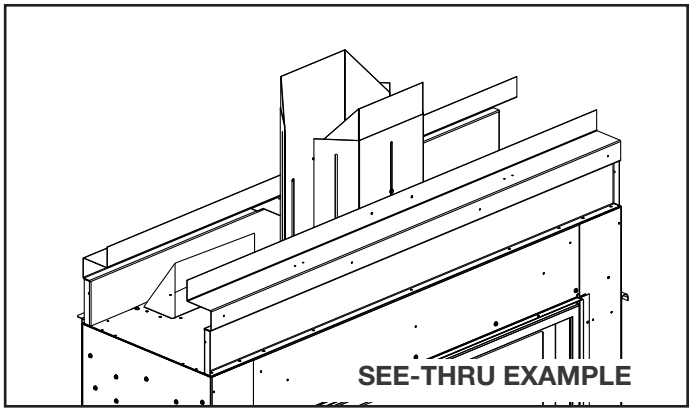


Fig. 6

FOR SEE-THRU APPLIANCES, REPEAT STEPS WITH THE OPPOSITE SIDE (2 vent shields required)

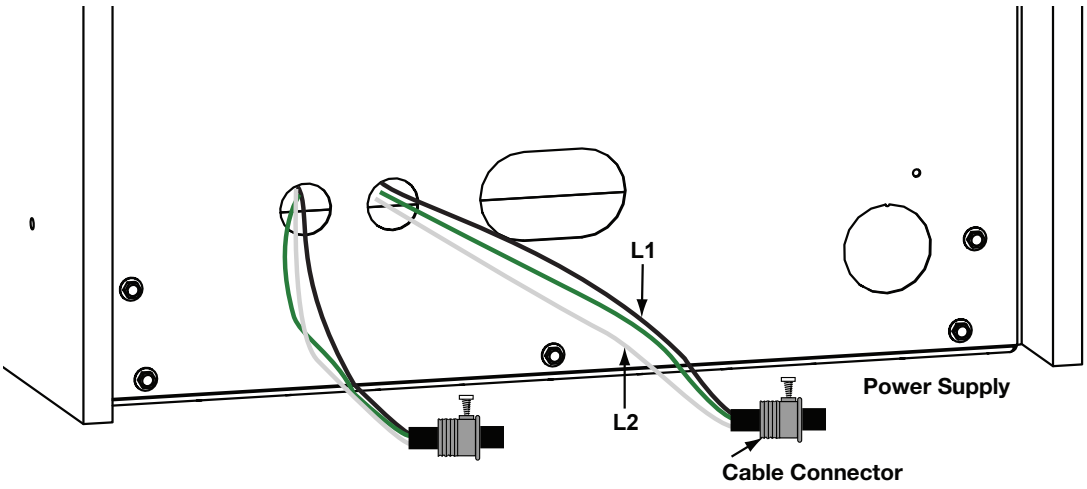


7.0 electrical information

7.1 hard wiring connection

It is necessary to hard wire this appliance.
Permanently framing the appliance with an enclosure, requires the appliance junction box to be hard wired. This appliance must be electrically connected and grounded in accordance with local codes. In the absence of local codes, use the current CSA C22.1 Canadian Electrical Code in Canada or the ANSI/NFPA 70-1996 National Electrical Code in the United States.

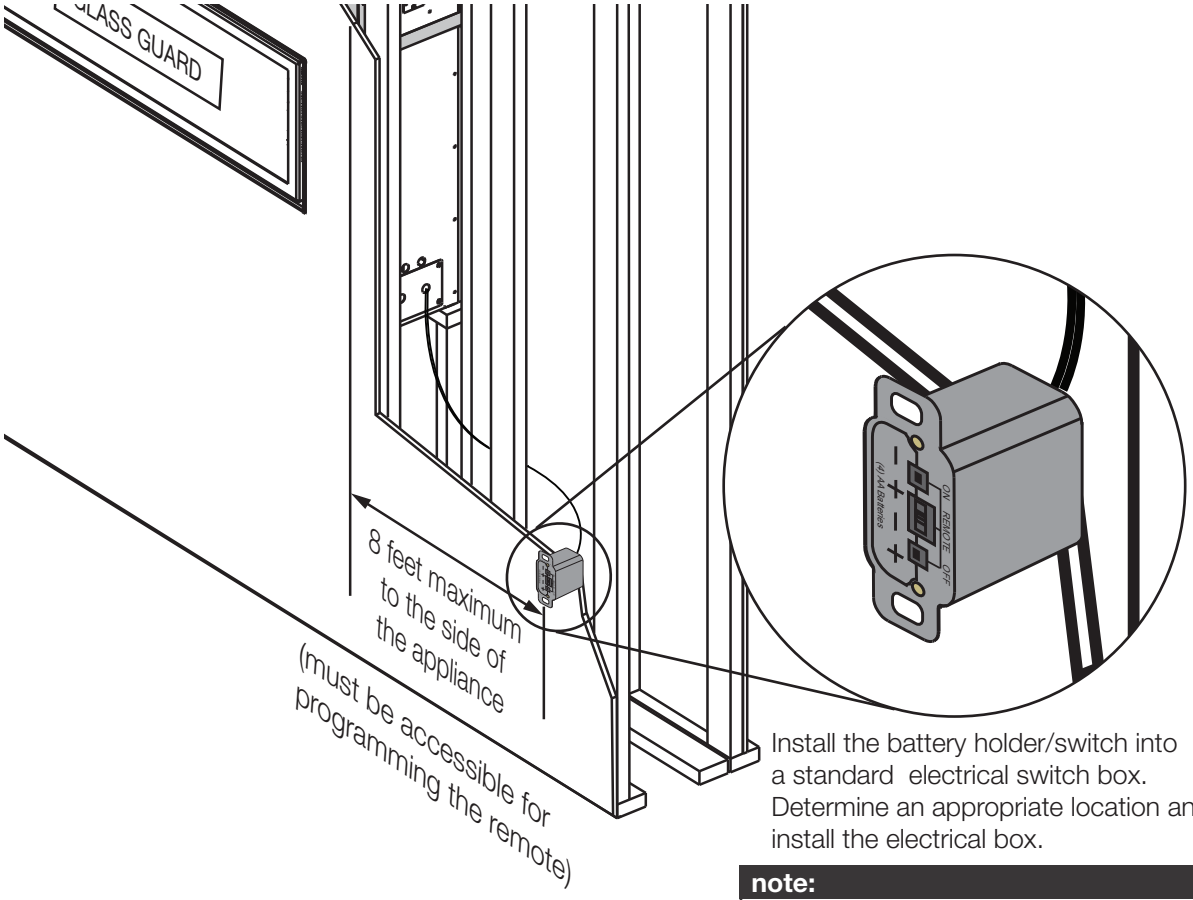
7.2 receptacle wiring diagram



7.3 in the event of a power failure

If the battery holder/switch is equipped with batteries, they will enable flame height control or ON/OFF function to control the fireplace during a power failure. Refer to “operation” section in the Owner’s manual when communications between battery holder/switch and remote have been lost. The battery holder/switch will emit a “beep” sound to confirm programming has been successful once power is restored. During a power failure, if the fireplace was on, the flame height will stay at the setting prior to the failure. If off when the failure occurs and then turned on, the flame height will come on at “HI”. The flame height can then be controlled by the remote.

7.4 battery holder/switch installation



Install the battery holder/switch into a standard electrical switch box. Determine an appropriate location and install the electrical box.

note:

Ensure the 3 position slider switch is in the “REMOTE” position (middle).

7.5 initializing the battery holder/switch for the first time

note:

The initializing process must be completed within 10 seconds of pressing the reset / program (PRG).

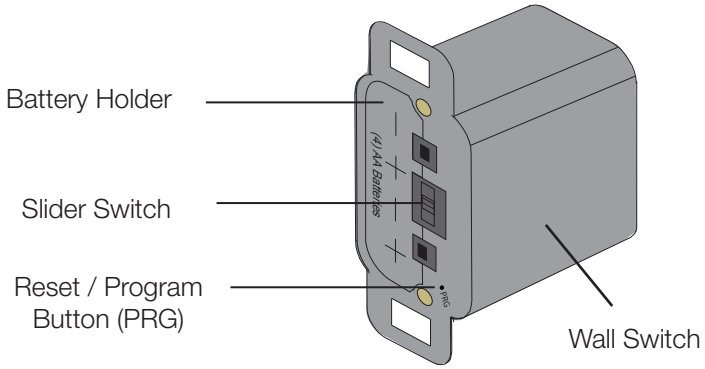
A. Install the 4 AA batteries into the holder, note the polarity of the batteries and insert as indicated on the cover (+/-).

B. Ensure the 3 position slider switch is switched to the “REMOTE” position (middle position).

C. Press the reset/programming button, use a small object such as a paper clip in order to reach the button marked PRG, as shown in the illustration below.

D. The battery holder will beep 3 times to indicate that it’s ready to synchronize with the remote.

E. Install the 3 AAA batteries into the remote, as shown in the photograph below, then press the ON button, The battery holder will beep 4 times to indicate that the remote’s command is accepted.



electrical information

7.6 wiring diagram

⚠ WARNING

- Do not wire 110 volts to the valve or wall switch.

note:

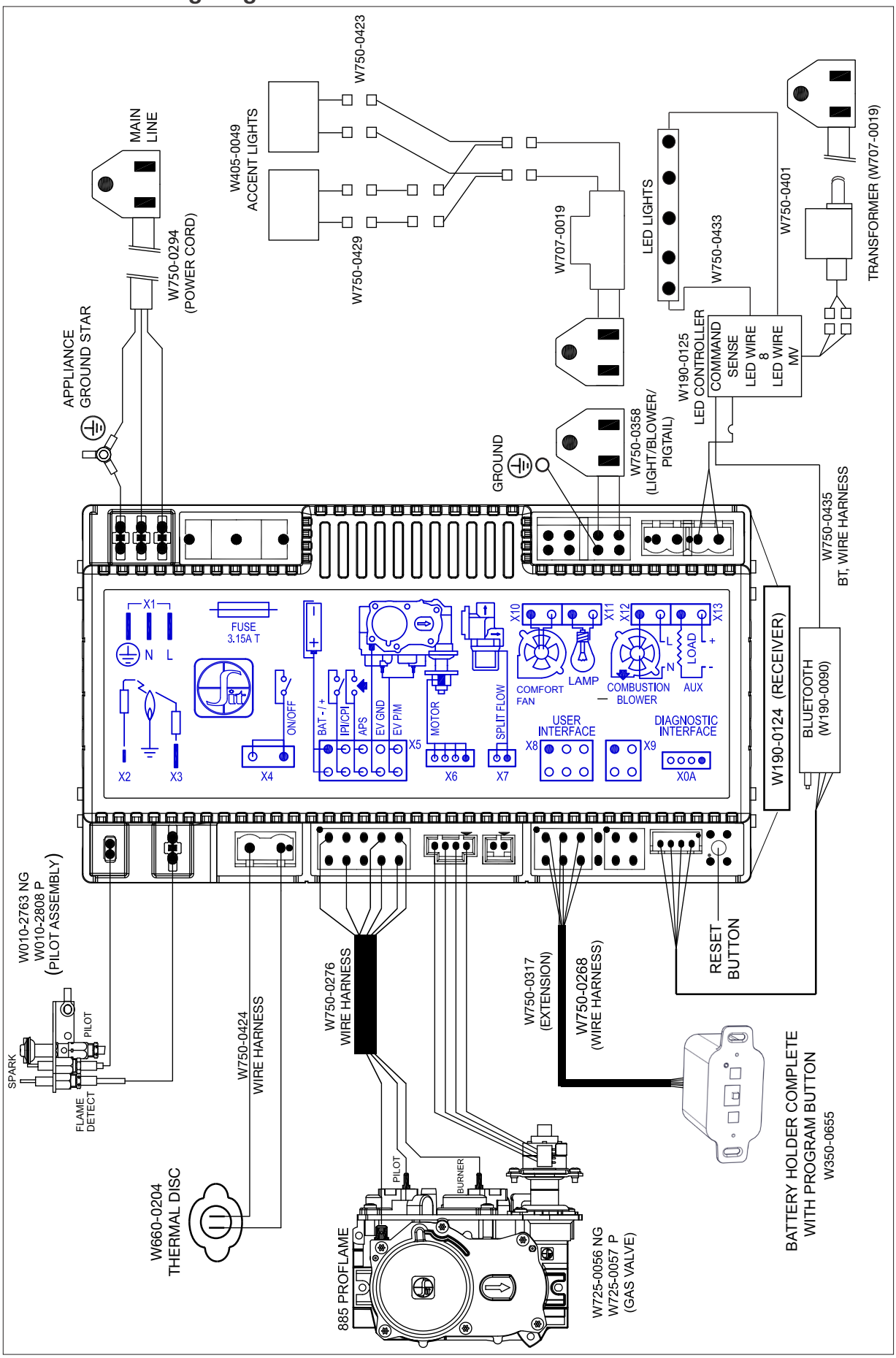
This appliance is equipped with a three-prong (grounding) plug for protection against shock hazard and should be connected into a properly grounded circuit. Do not cut or remove the grounding prong from the plug.

7.7 eFire controller application

When fully equipped, the eFIRE application allows you to create every imaginable color, selecting the one that fits your current mood, or your décor with ease, the simply color wheel tool swiftly scrolls through the full color spectrum. Napoleon's eFIRE app controls every function of your fireplace including; on/off, flame height and blower speed.

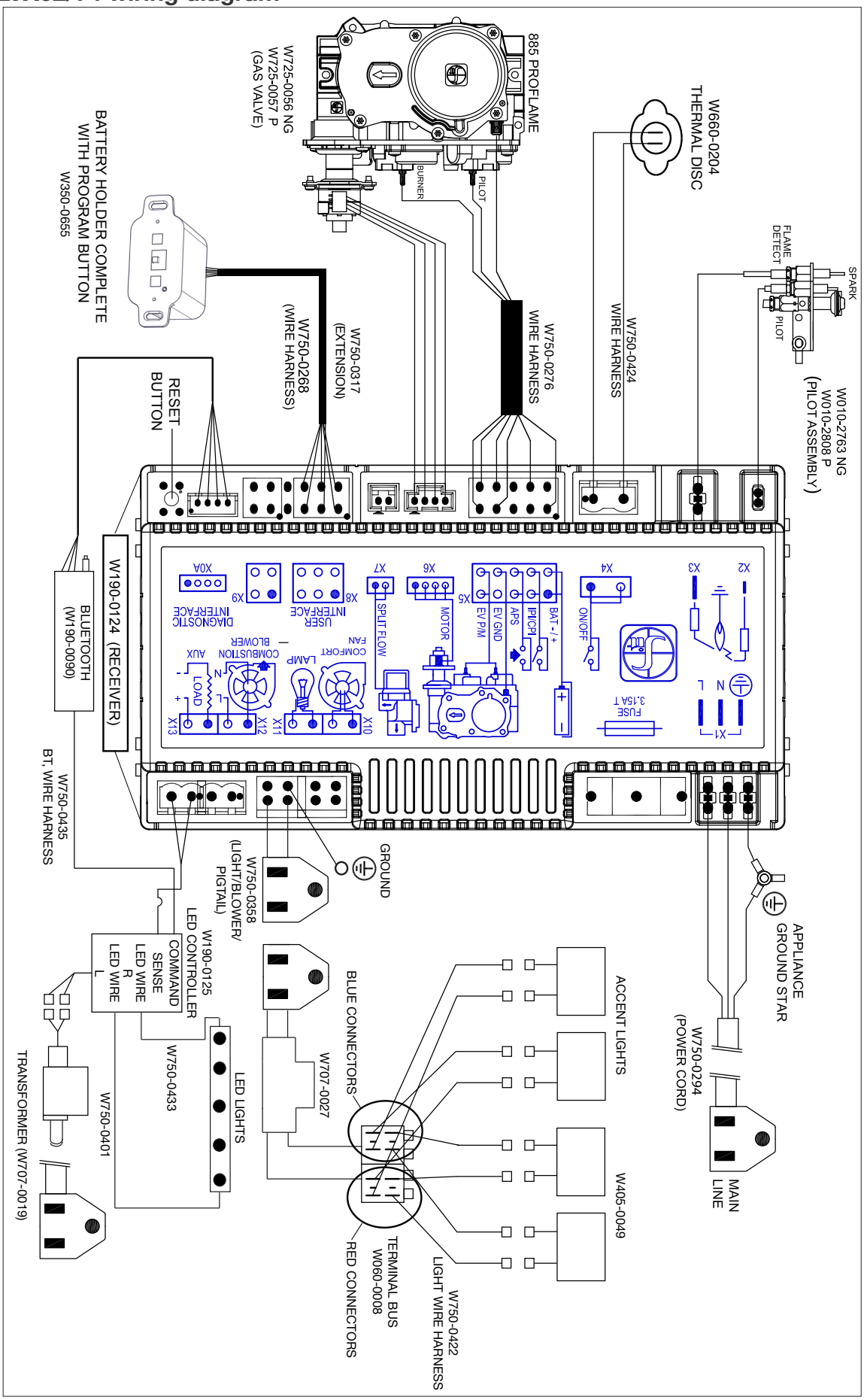
Using the instructions on the eFIRE controller application website **http://napoleonfireplaces.com/efire**, install the app and enjoy the features the eFIRE Controller app offers.

7.7.1 LVX38/50 wiring diagram



electrical information

7.7.2 LVX62/74 wiring diagram

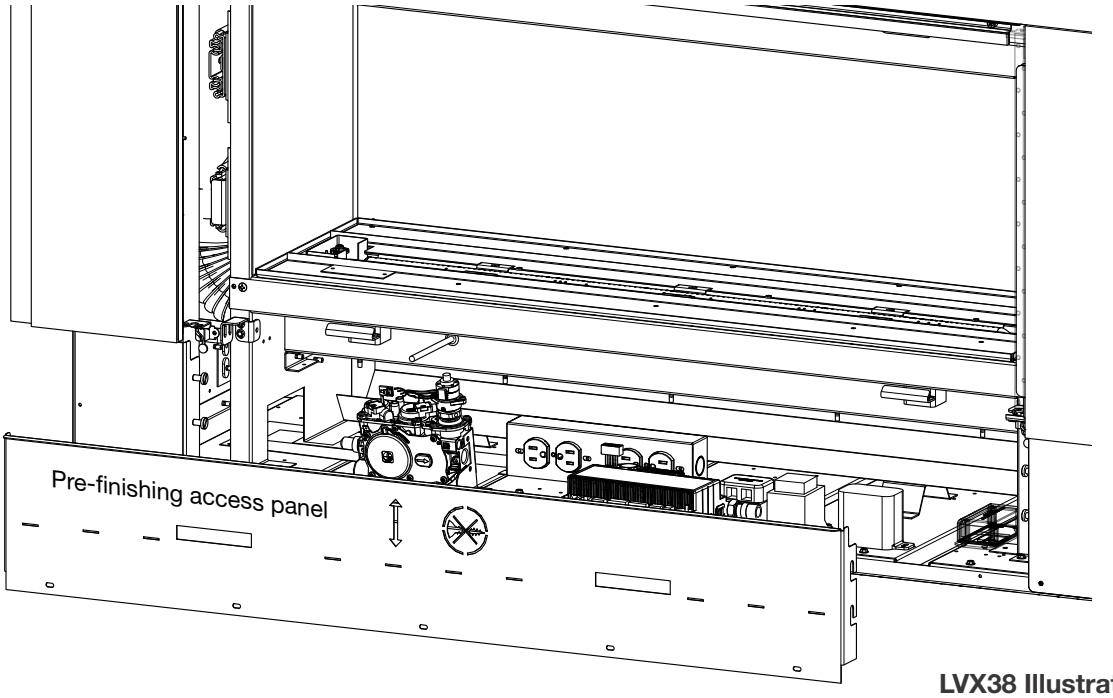


7.8 access panel

⚠ WARNING

- Do not use this appliance if any part has been under water. Call a qualified service technician immediately to have the appliance inspected for damage to the electrical circuit.
- Risk of electrical shock or explosion. Do not wire 110V to the valve or to the appliance wall switch. Incorrect wiring will damage controls.
- All wiring should be done by a qualified electrician and shall be in compliance with local codes. In the absence of local codes, use the current CSA22.1 Canadian Electric Code in Canada or the current National Electric Code ANSI/NFPA NO. 70 in the United States.

43.1



LVX38 Illustrated

Before finishing in the appliance, test the operation using the remote control, cycling it through all of its different modes, see “operation” section in the owner’s manual. Once finished in, access to the control components can only be done through the inside of the appliance.

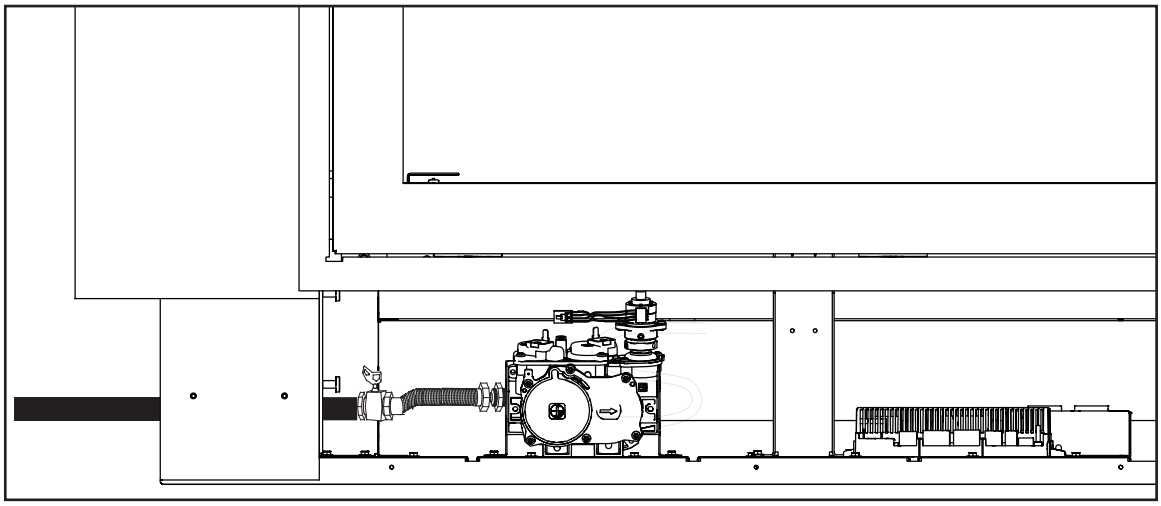
8.0 gas installation

⚠ WARNING

- Risk of fire, explosion, or asphyxiation. Ensure there are no ignition sources such as sparks or open flames.
- Support gas control when attaching gas supply pipe to prevent damaging gas line.
- Always light the pilot whether for the first time or if the gas supply has run out with the glass door opened or removed. Purging of the gas supply line should be performed by a qualified service technician. Ensure that a continuous gas flow is at the burner before closing the door. Ensure adequate ventilation. For gas and electrical locations, see “appliance dimensions” section.
- All gas connections must be contained within the appliance when complete.
- High pressure will damage valve. Disconnect gas supply piping before testing gas line at test pressures above 1/2 PSIG.
- Valve settings have been factory set, do not change.

Installation and servicing to be done by a qualified installer.

- Move the appliance into position and secure.
- If equipped with a flex connector, the appliance is designed to accept a 1/2” (13mm) gas supply. Without the connector, it is designed to accept a 3/8” (9.5mm) gas supply. The appliance is equipped with a manual shut off valve to turn off the gas supply to the appliance.
- Connect the gas supply in accordance to local codes. In the absence of local codes, install to the current CAN/CSA-B149.1 Installation Code in Canada or to the current National Fuel Gas Code, ANSI Z223.1 / NFPA 54 in the United States.
- When flexing any gas line, support the gas valve so that the lines are not bent or kinked.
- The gas line flex-connector should be installed to provide sufficient movement for shifting the burner assembly on its side to aid with servicing components.
- Check for gas leaks by brushing on a soap and water solution. Do not use open flame.



note:

Connect the gas supply to the 1/2” (13mm) shut off and flex connector (supplied). Ensure gas supply is secured.

After installing the electrical wiring and gas lines, ensure to test the appliance before finishing the framing and finishing the appliance.

Before finishing in the appliance test the operation using the remote control, cycling it through all of its different modes, see “operation” section in the Owner’s manual. Should troubleshooting be required, access to the controls can be made through the pre-finishing access panel. All other functions, excluding the burner operation, will not operate during the event of a power failure.

⚠ WARNING

- If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.
- If applicable always light the pilot whether for the first time or if the gas supply has run out with the glass door opened or removed.

Ensure that a continuous gas flow is at the burner before installing the door. When lit for the first time, the appliance will emit an odor for a few hours. This is a normal temporary condition caused by the “burn-in” of paints and lubricants used in the manufacturing process and will not occur again. After extended periods of non-operation, such as, following a vacation or warm weather season, the appliance may emit a slight odor for a few hours. This is caused by dust particules in the heat exchanger burning off. In both cases, open a window to sufficiently ventilate the room.

FOR YOUR SAFETY READ BEFORE LIGHTING

- Do not turn on if children or other at risk individuals are near the appliance.
- This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
- Before operating smell all around the appliance area for gas and next to the floor because some gas is heavier than air and will settle on the floor.
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the control system and any gas control which has been underwater.

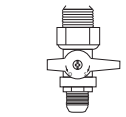
WHAT TO DO IF YOU SMELL GAS

- Turn off all gas to the appliance.
- Open windows.
- 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 neighbour’s phone. Follow the gas supplier’s instructions.
- If you cannot reach your gas supplier, call the fire department.

LIGHTING INSTRUCTIONS

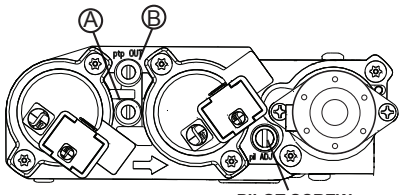
note:

This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.



MANUAL SHUT-OFF
(SHOWN IN OFF POSITION)

A. Stop! Read the above safety information on this label.
B. Remove batteries from the transmitter and set thermostat to lowest setting, if equipped.
C. Turn off all electrical power to the appliance.
D. Open the glass door, if equipped.
E. Turn the manual shut-off valve clockwise to the “OFF” position. (Shut-off valve is located on the flex connector).
F. Wait five (5) minutes to clear out any gas. If you smell gas including near the floor, STOP! Follow the instructions above in the “WHAT TO DO IF YOU SMELL GAS” section. If you don’t smell gas; close the glass door and go to the next step.
G. Turn the manual shut-off valve counter clockwise to the “ON” position.
H. Turn on all electrical power to the appliance and re-install the batteries into the transmitter. Set thermostat to desired setting, if equipped.
I. Turn on the remote wall switch to the appliance.
J. If the appliance will not operate, follow instructions “TO TURN OFF GAS” and call your service technician or gas supplier.

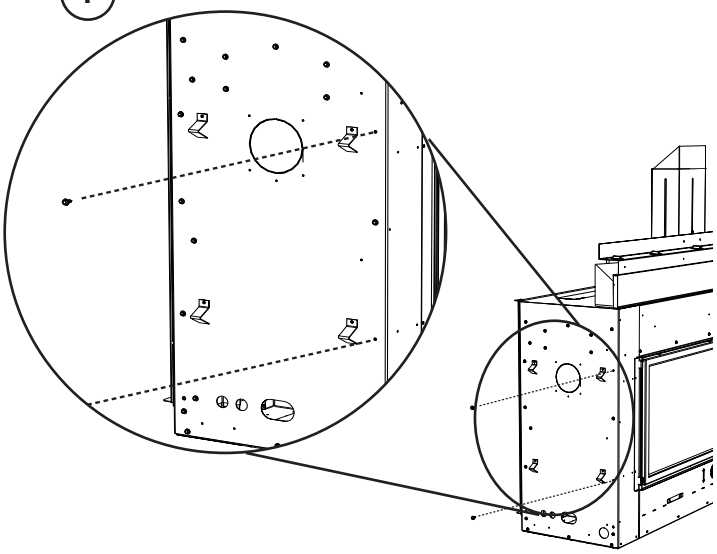


TO TURN OFF GAS

A. Set thermostat to lowest setting, if equipped.
B. Turn off the remote wall switch to the appliance.
C. Turn off all electric power to the appliance if service is to be performed.
D. Turn manual shutoff valve clockwise to the “OFF” positon. Do not force.

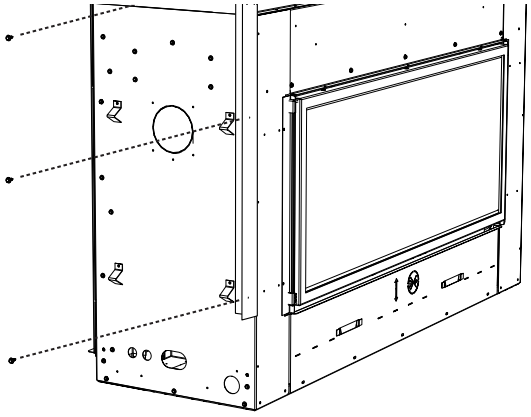
10.0 nailing tab installation

1



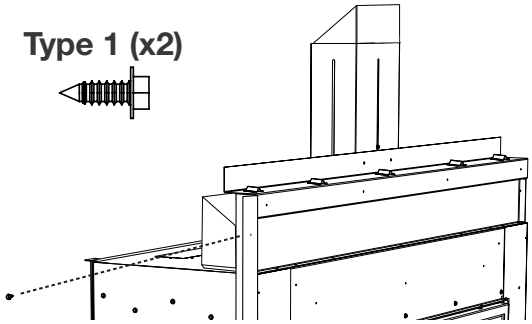
REMOVE THE SCREWS FROM THE APPLIANCE.
DO NOT DISCARD.

2



ALIGN THE NAILING TAB WITH THE HOLES ON THE APPLIANCE, SECURE WITH THE SCREWS FROM STEP 1.

3



SECURE WITH SCREW SUPPLIED IN THE MANUAL BAGGIE TO THE UPPER FRONT FRAME

TO INSTALL NAILING TABS FOR SEE-THRU APPLIANCES, REPEAT STEPS WITH THE OPPOSITE SIDE.

note:

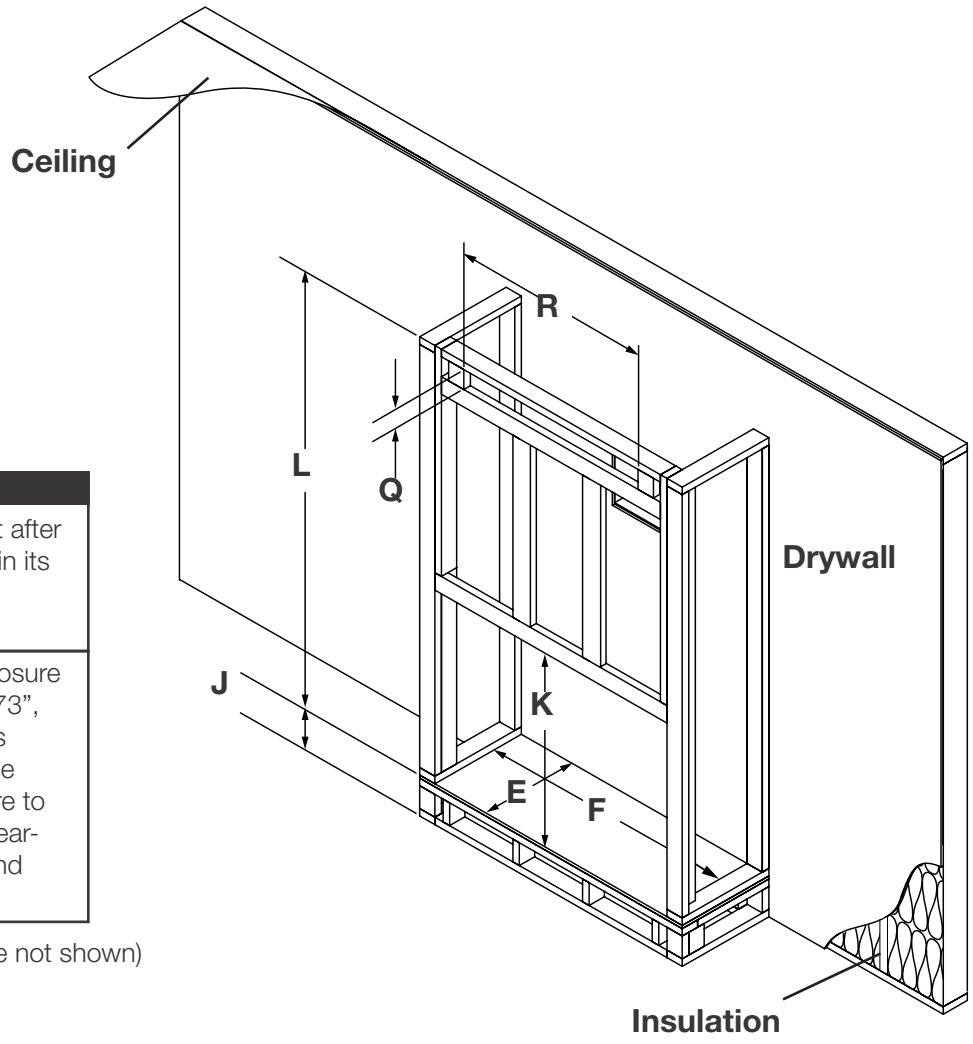
See “venting”, “electrical information” and “gas installation” sections prior to finish framing.

11.0 finish framing - after appliance installation

11.1 framing with Dynamic Heat Control™

note:
Appliances equipped with Dynamic Heat Control™ can be built in with combustible framing and finishing unless stated.
There are various methods to ventilate the enclosure. Refer to “Dynamic Heat Control™ planning” section.
The appliance must be installed at this point of framing. Appliance is not shown to better illustrate finish framing.

single-sided flush



note:
Finish framing **must** be built after appliance has been placed in its final position and venting connected.
Although the minimum enclosure height for the LVX series is 73”, some venting configurations that require more vertical rise will require a larger enclosure to provide minimum vertical clearance between vent pipes and combustibles.

Option 2 illustrated (appliance not shown)

minimum framing

Ref	LVX38	LVX50	LVX62	LVX74
K	39 15/16” (101.4cm)	39 15/16” (101.4cm)	39 15/16” (101.4cm)	39 15/16” (101.4cm)
E	18” (45.7cm)	18” (45.7cm)	18” (45.7cm)	18” (45.7cm)
F	53 13/16” (136.7cm)	65 13/16” (167.2cm)	77 13/16” (197.6cm)	89 13/16” (228.1cm)
J	Optional - Appliance does not need to be elevated above floor			
L	73” (185.4cm)	73” (185.4cm)	91” (231.1cm)	91” (231.1cm)
Q*	2” min and 3” max			
(Q x R)*	80 sq. in.		160 sq. in.	

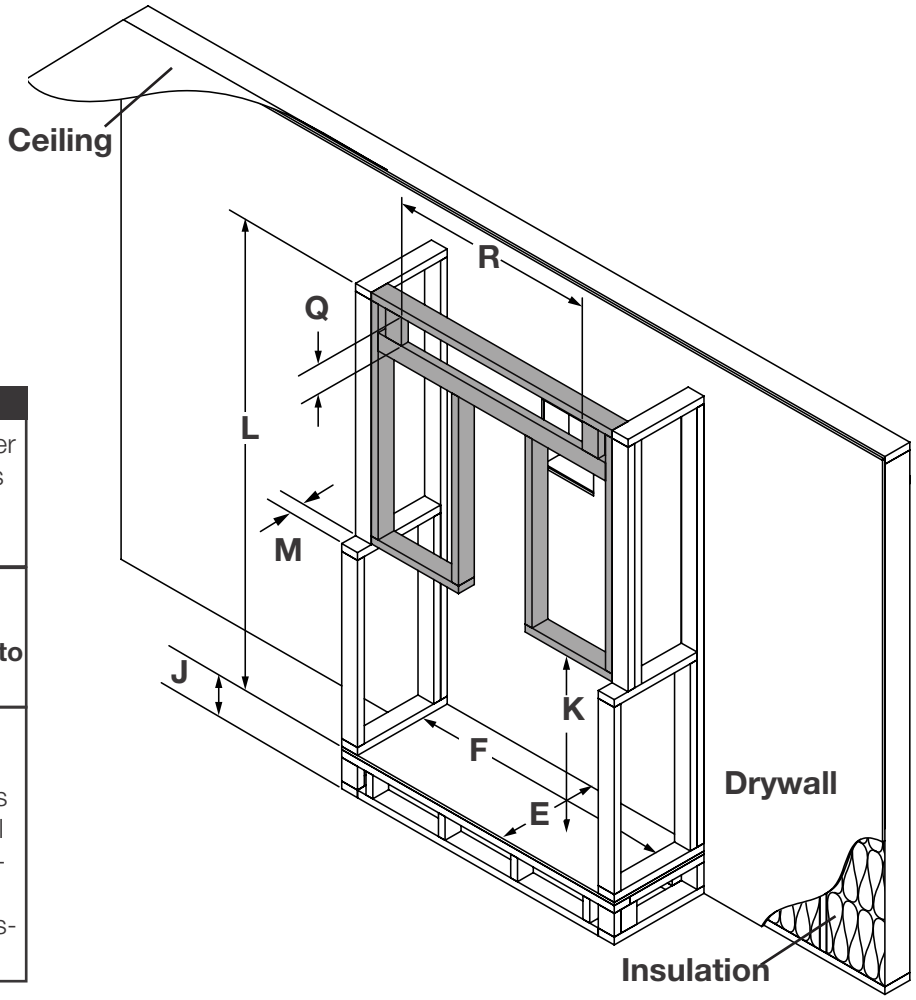
* ONLY APPLICABLE TO OPTION 2 AND 3 - Opening **must** be centered in enclosure on appliance. Dimensions represent finished sizes and where applicable should be adjusted to include finish material thickness.

finish framing - after appliance installation

single-sided recessed

⚠ WARNING

- Shaded components (finish framing) **must** be non-combustible materials.



note:

Finish framing **must** be built after appliance has been placed in its final position and venting connected.

This configuration also requires recess area to use non-combustible facing due to close proximity to vent.

Although the minimum enclosure height for the LVX series is 73", some venting configurations that require more vertical rise will require a larger enclosure to provide minimum vertical clearance between vent pipes and combustibles.

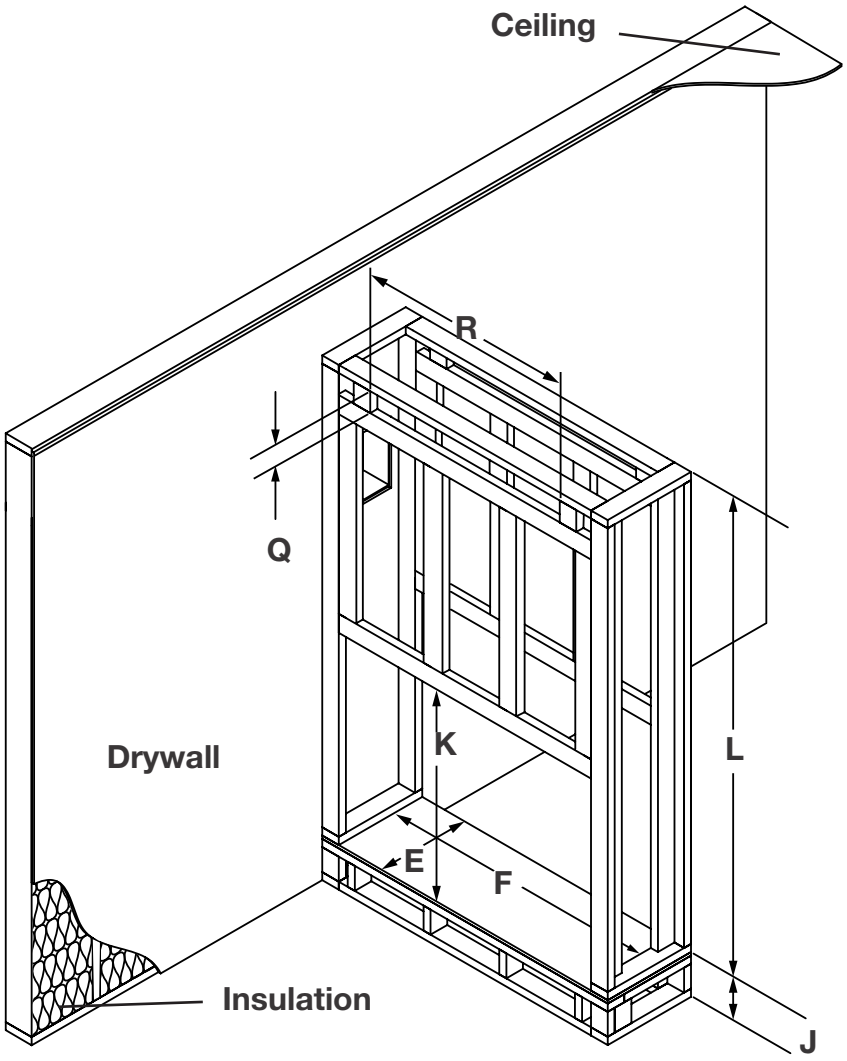
Option 2 illustrated (appliance not shown)

minimum framing

Ref	LVX38	LVX50	LVX62	LVX74
K	39 15/16" (101.4cm)	39 15/16" (101.4cm)	39 15/16" (101.4cm)	39 15/16" (101.4cm)
E	18" (45.7cm)	18" (45.7cm)	18" (45.7cm)	18" (45.7cm)
F	53 13/16" (136.7cm)	65 13/16" (167.2cm)	77 13/16" (197.6cm)	89 13/16" (228.1cm)
J	Optional - Appliance does not need to be elevated above floor			
L	73" (185.4cm)	73" (185.4cm)	91" (231.1cm)	91" (231.1cm)
Q*	2" min and 3" max			
(Q x R)*	80 sq. in.		160 sq. in.	
M**	3" (76mm)	3" (76mm)	3" (76mm)	3" (76mm)

* ONLY APPLICABLE TO OPTION 2 AND 3 - Opening **must** be centered in enclosure on appliance. Dimensions represent finished sizes and where applicable should be adjusted to include finish material thickness.
** Can only be increased to 4" max by building a protrusion.

see-thru flush



note:

Finish framing **must** be built after appliance has been placed in its final position and venting connected.

Although the minimum enclosure height for the LVX series is 73", some venting configurations that require more vertical rise will require a larger enclosure to provide minimum vertical clearance between vent pipes and combustibles.

Option 2 illustrated (appliance not shown)

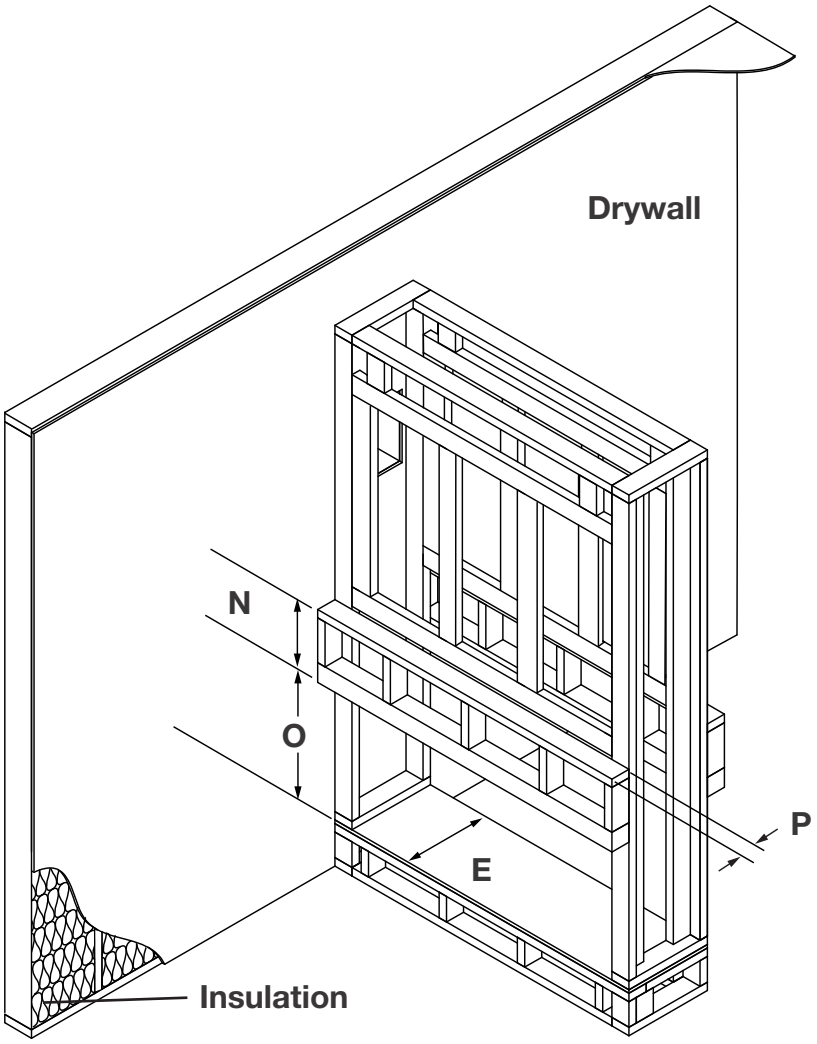
minimum framing

Ref	LVX38	LVX50	LVX62	LVX74
K	39 15/16" (101.4cm)	39 15/16" (101.4cm)	39 15/16" (101.4cm)	39 15/16" (101.4cm)
E	16 3/16" (41.1cm)	16 3/16" (41.1cm)	16 3/16" (41.1cm)	16 3/16" (41.1cm)
F	53 13/16" (136.7cm)	65 13/16" (167.2cm)	77 13/16" (197.6cm)	89 13/16" (228.1cm)
J	Optional - Appliance does not need to be elevated above floor			
L	73" (185.4cm)	73" (185.4cm)	91" (231.1cm)	91" (231.1cm)
Q*	2" min and 3" max			
(Q x R)*	80 sq. in.		160 sq. in.	

* ONLY APPLICABLE TO OPTION 2 AND 3 - Opening **must** be centered in enclosure on appliance. Dimensions represent finished sizes and where applicable should be adjusted to include finish material thickness.

finish framing - after appliance installation

see-thru built out



note:

Finish framing **must** be built after appliance has been placed in its final position and venting connected.

Option 2 illustrated (appliance not shown)

minimum framing

Ref	LVX38	LVX50	LVX62	LVX74
E	16 3/16" (41.1cm)	16 3/16" (41.1cm)	16 3/16" (41.1cm)	16 3/16" (41.1cm)
N* / **	14 1/4" (36.2m)	14 1/4" (36.2m)	14 1/4" (36.2m)	14 1/4" (36.2m)
O*	25 11/16 (65.2cm)	25 11/16 (65.2cm)	25 11/16 (65.2cm)	25 11/16 (65.2cm)
P*	4" (10.1cm) Max	4" (10.1cm) Max	4" (10.1cm) Max	4" (10.1cm) Max

* Thickness of finishing material **must** be considered when constructing the framing for the protrusion (i.e. Dimensions such as N, O, & P includes framing and finish material). If desired, side and bottom protrusions are also permitted with 4" (10.1cm) Max. (finishing material not illustrated)

** This is a recommended dimension when mounting electronics above the appliance. Otherwise, it can be as minimal as construction permits.

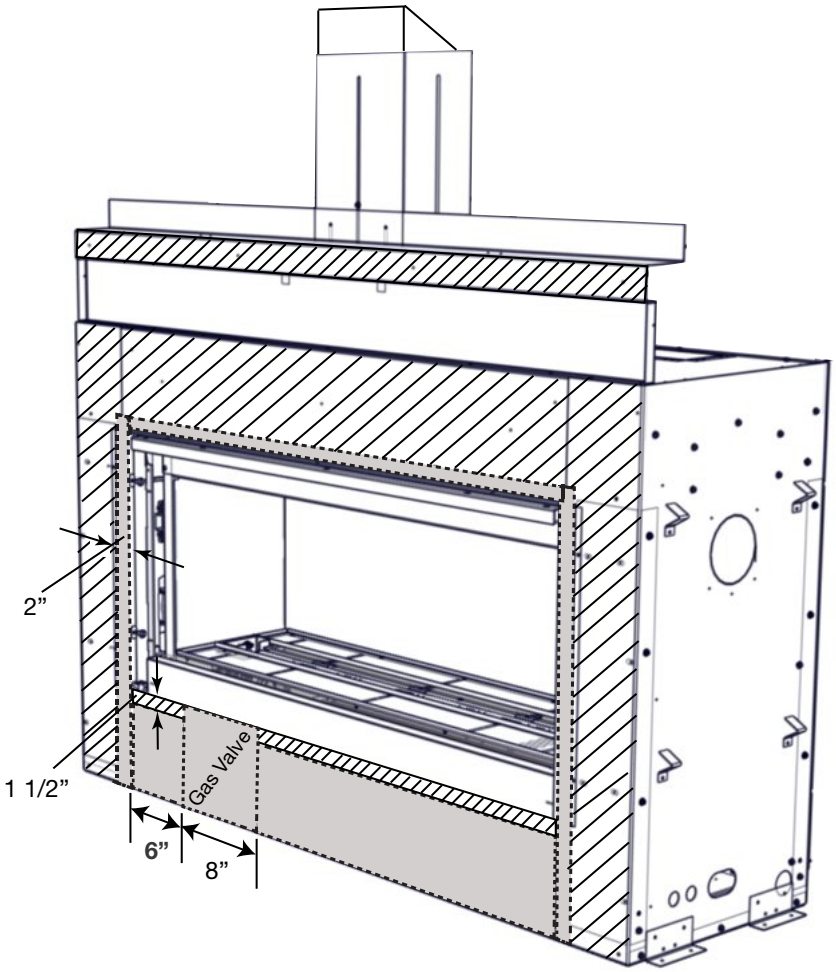
note:

When finished, **protrusions must never encroach inside the appliance finishing flange** as this will impede the fitment of the safety barrier and safe operation. See "finishing" section in the installation manual.

⚠ WARNING

- Risk of fire!
- Never obstruct the front opening of the appliance.
- The front of the appliance must be finished with any non-combustible materials such as brick, marble, granite, etc., provided that these materials do not go below the specified dimension, as illustrated.
- Do not strike, slam, or scratch. Do not operate appliance with glass removed, cracked, or scratched.
- Facing and/or finishing material must never overhang into the appliance opening.
- The glass door assembly is a safety device designed to pivot forward when relieving excess pressure that might occur. Finishing or other materials must not be located in the opening surrounding the door as this will interfere with the doors ability to relieve pressure.

12.1 fastener placement restriction



No fasteners permitted.

No fasteners permitted with greater than 3/4” penetration into appliance.

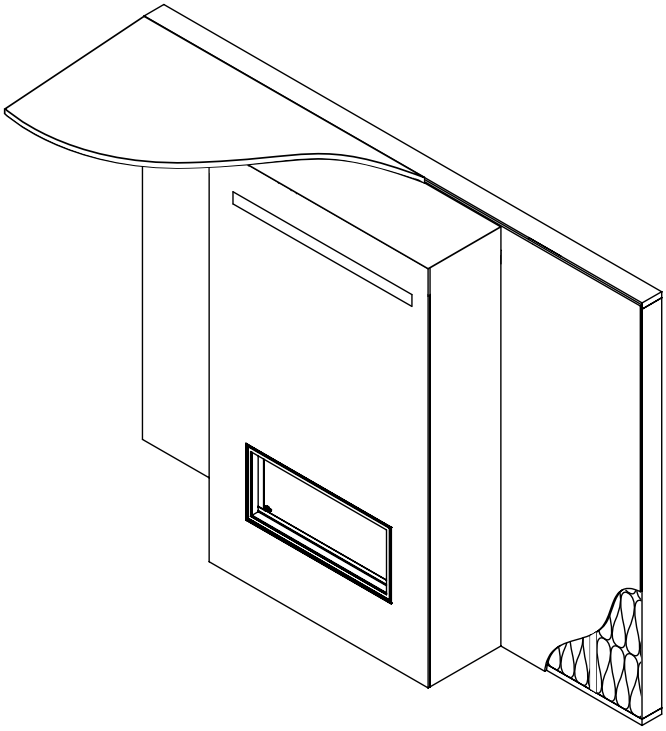
When securing non-combustibles, we suggest using high temperature construction adhesive within 2” (5.08cm) above and to the sides from the appliance opening and 8” (20.3cm) below the appliance opening. **DO NOT SCREW IN THE RESTRICTED AREA AS THIS COULD DAMAGE THE INTERNAL COMPONENTS OF THE APPLIANCE THAT CAN CAUSE INJURY OR DEATH**.

This applies to both single-sided and see-thru appliances.

Maximum screw length to be used outside the restricted screw area is 3/4” greater than finishing material thickness.(i.e. no fastener permitted that penetrates the appliance more than 3/4”

finishing

12.2 finishing with combustibles

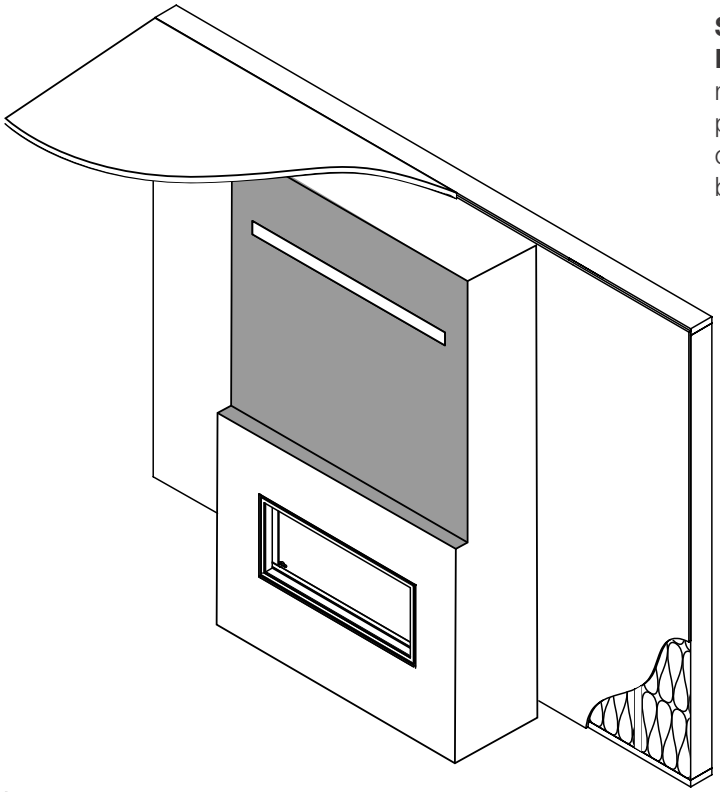


With Dynamic Heat Control™, you can finish the appliance with any combustible materials except appliances with recessed installation. Air outlet opening must be located out of reach of the user. Air outlet opening **must** not be restricted by furnishings or decor.

Recessed installation with Dynamic Heat Control™

⚠ WARNING

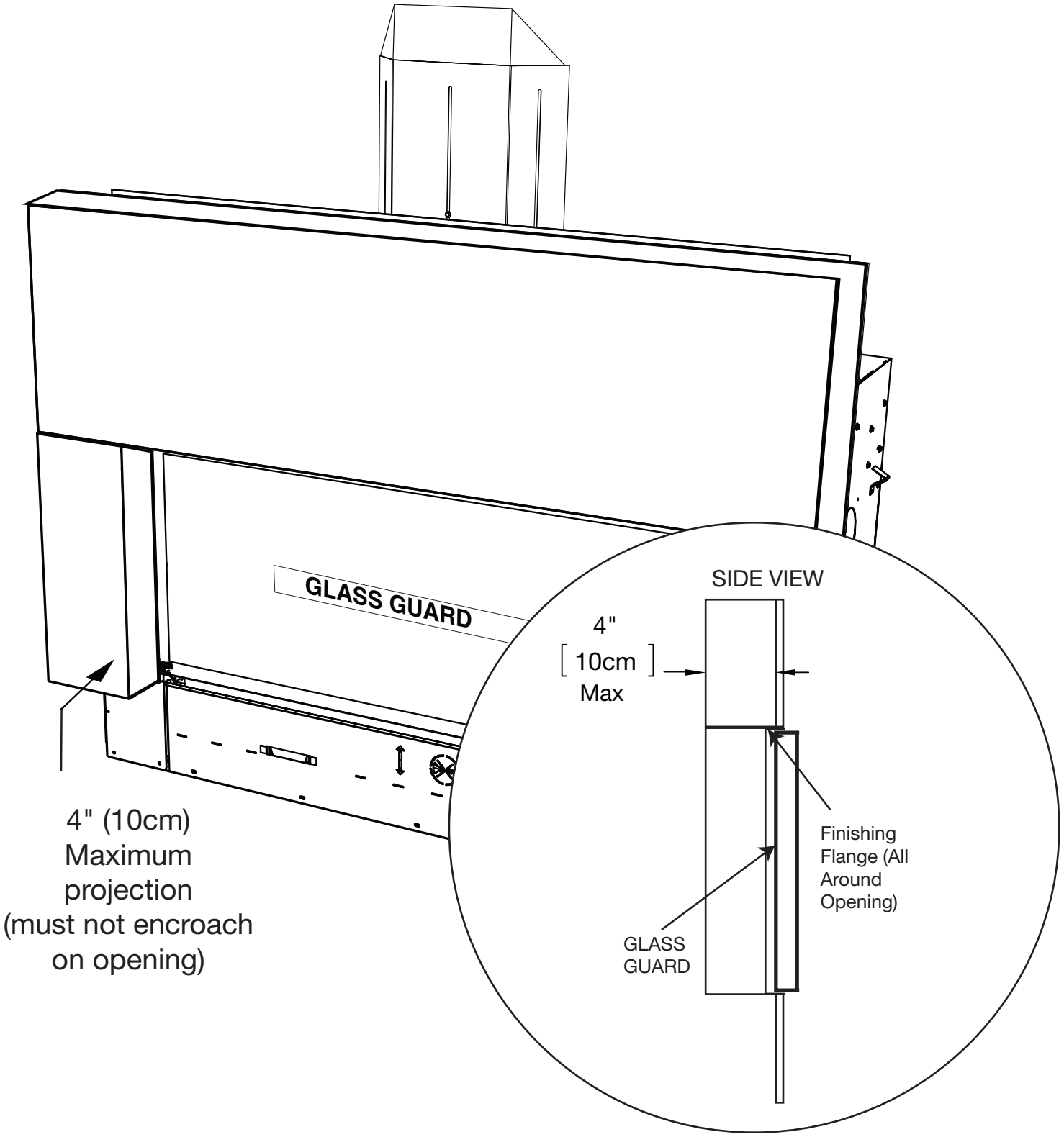
- Shaded area must be non-combustible materials.



SHADED AREA MUST BE NON-COMBUSTIBLE MATERIALS. Recessed installation **requires** recess material to use non-combustible facing due to close proximity to vent. Air outlet opening must be located out of reach of the user. Air outlet opening **must** not be restricted by furnishings or decor.

⚠ WARNING

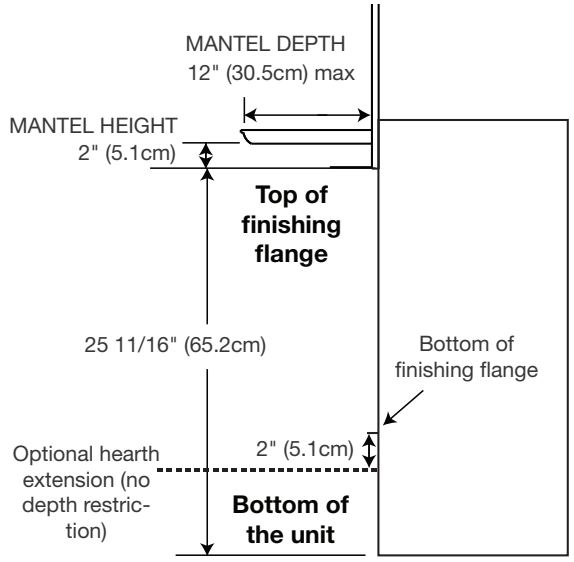
- Finishing material tight to the frame around the glass barrier frame must not project more than 4” (10cm) from the face of the glass barrier (above the door and sides only).



12.3 minimum combustible mantel clearances

⚠ WARNING

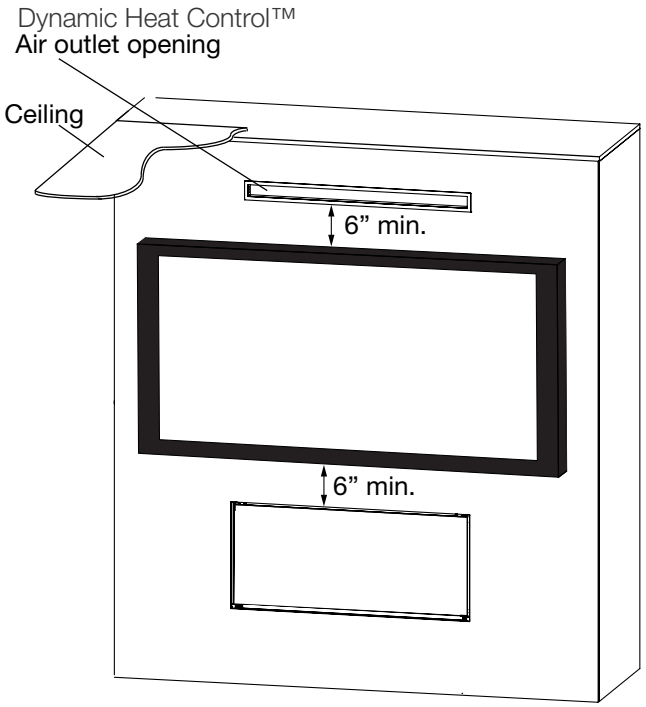
- Risk of fire. Maintain all specified air space clearances to combustibles. Failure to comply with these instructions may cause a fire or cause the appliance to overheat. Ensure all clearances (i.e. back, side, top, vent, mantel, front, etc.) are clearly maintained.
- When using paint or lacquer to finish the mantel, the paint or lacquer must be heat resistant to prevent discolouration.
- Installing a television or other electronics above the appliance may cause discolouration, melting, or damage to the electronics. Use clearances as guidelines and refer to your TV manufacturer's instructions for further information.



Installing a mantel between this appliance and electronics or other materials that may be sensitive to heat, will reduce the effect of direct heat on them. Follow mantel height and depth instructions for proper clearance information.

A non-combustible mantel is considered a non-combustible protrusion, see protrusion section.

Electronics, picture frames, decors, or other wall-mounted objects must be 6" below the air outlet opening and 6" above the finishing flange.



12.4 glass guard installation / removal

note:

The glass guard assembly (GGA) installation and/or removal will require 2 people.

important:

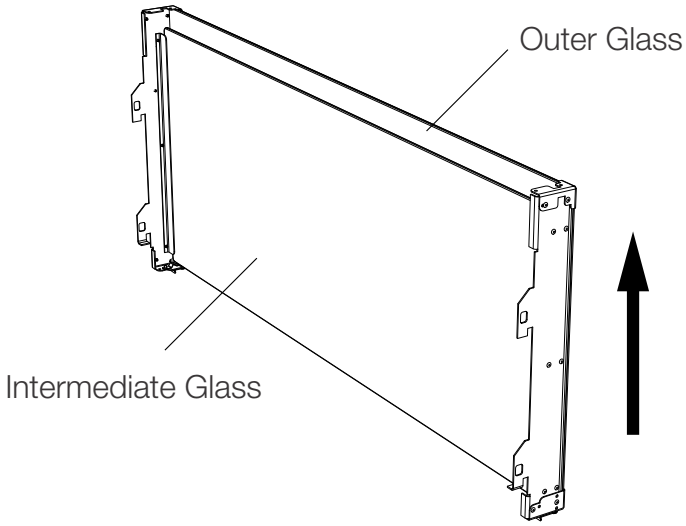
The Glass Guard Assembly (GGA) must be fitted before finish framing and finishing the appliance.

1. Unpack the Glass Guard Assembly (GGA) and keep packaging materials to store the GGA after test fitting.

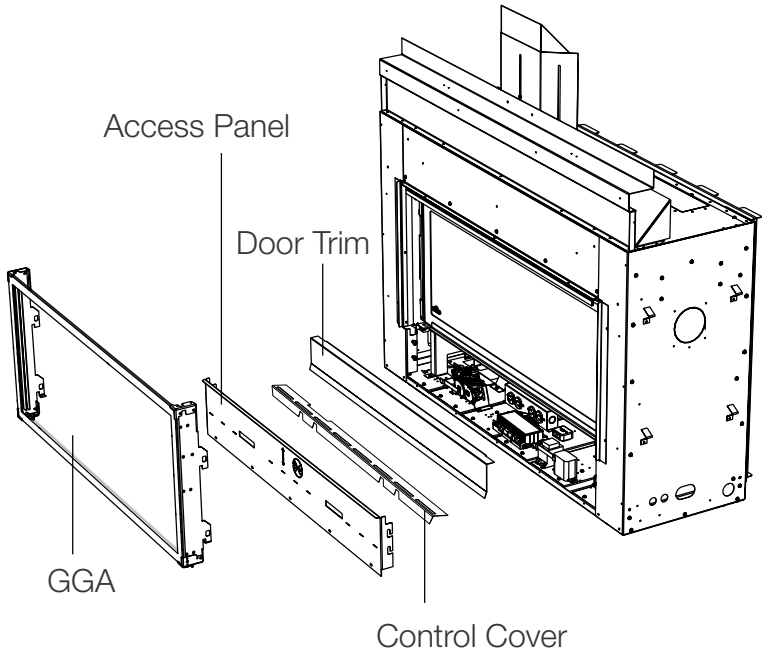
Note:

The polystyrene may scratch the glass if it is not covered by a plastic bag. Retain other packaging materials if desired for temporary storage.

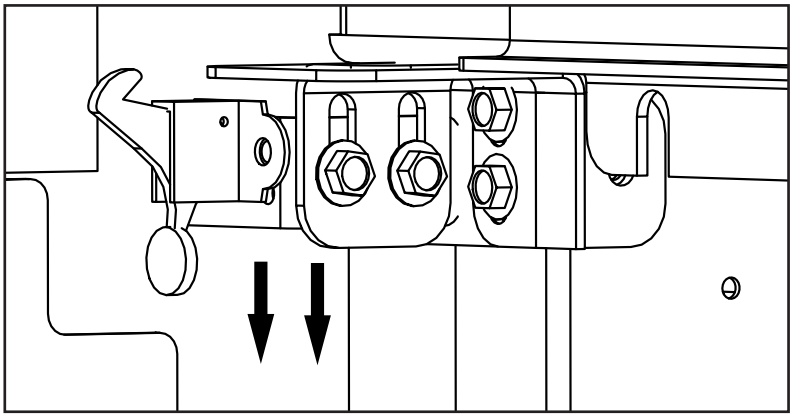
2. Ensure to handle the GGA as shown below as the floating intermediate glass might fall out of the assembly if handled incorrectly.



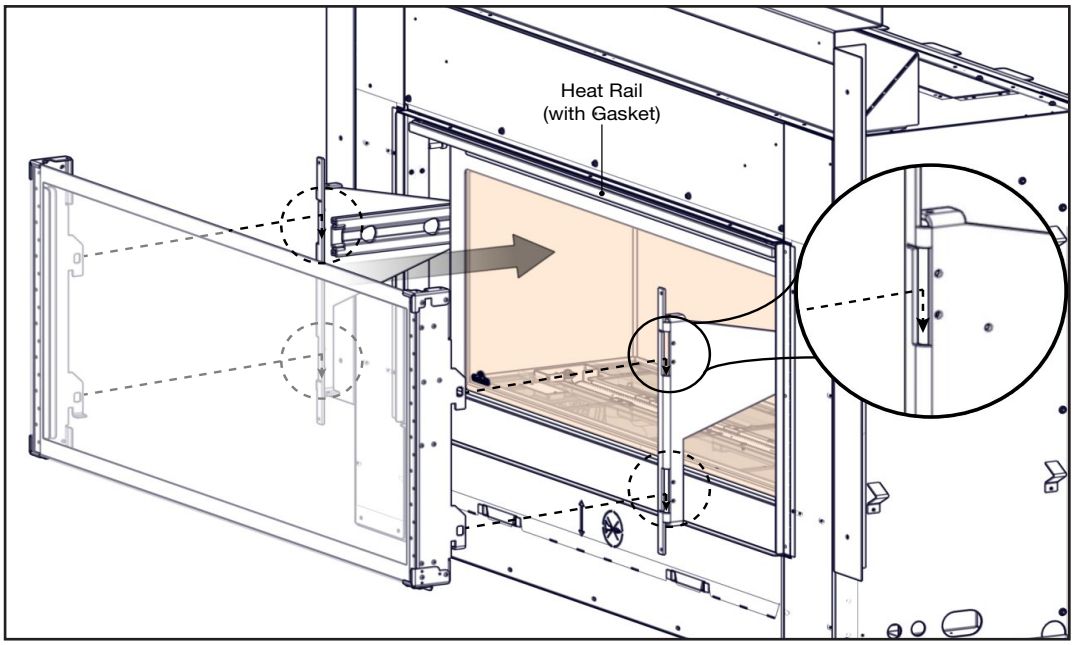
3. For ease of installation, remove the access panel, door trim, and control cover.

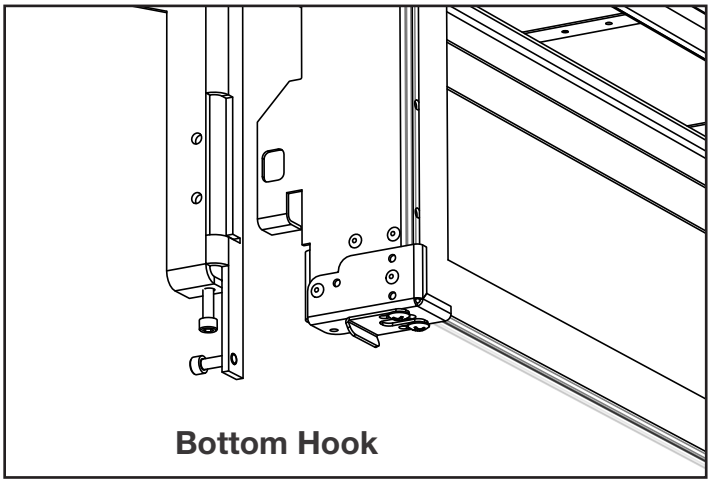


4. Loosen the securing screws of the safety latches, slide it all the way down, and retighten securing screws.
NOTE: DO NOT OVERTIGHTEN



5. Fully extend door mounting brackets of appliance. Carefully place GGA onto supports.



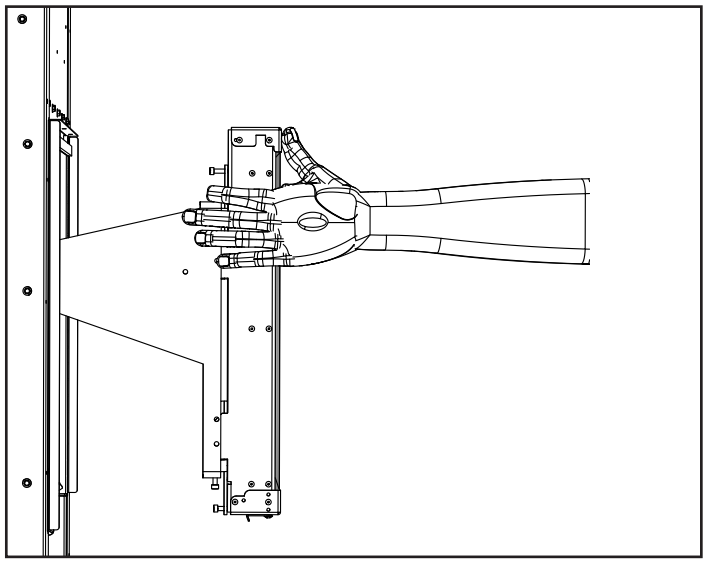


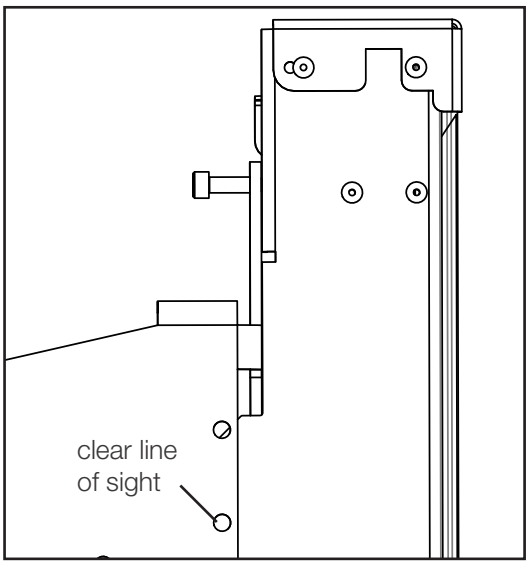
Bottom Hook

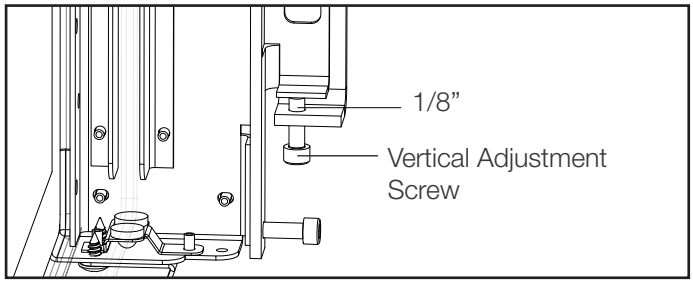
6. Hold the GGA firmly against the mounting surface.

7. The GGA bracket holes should be lined up with the screw holes of the door mounting brackets to ensure a clear line of sight. Raise the vertical adjustment screw approximately 1/8” for best alignment.

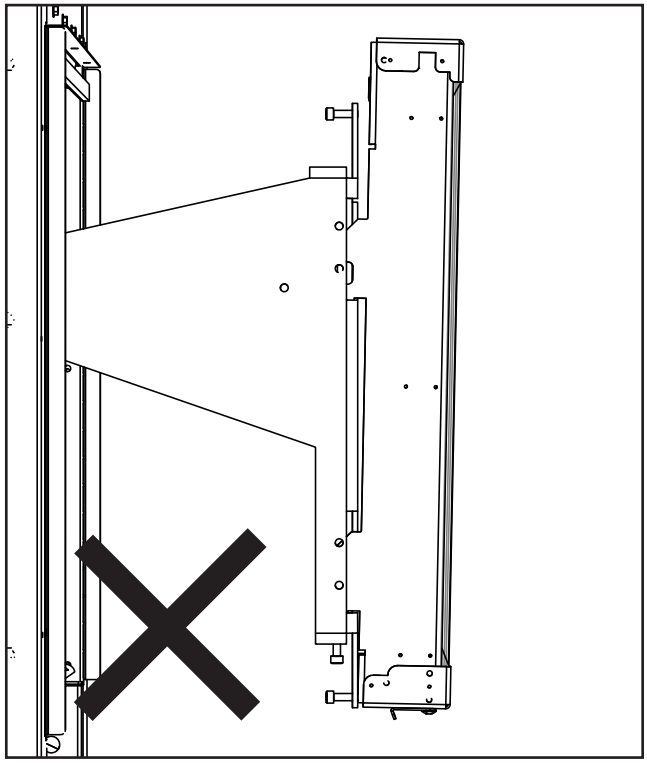
DO’S

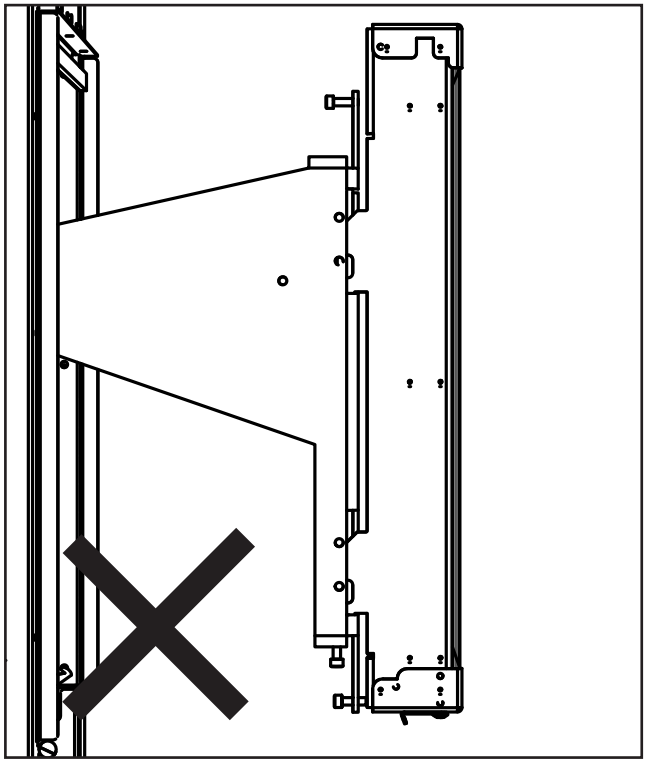




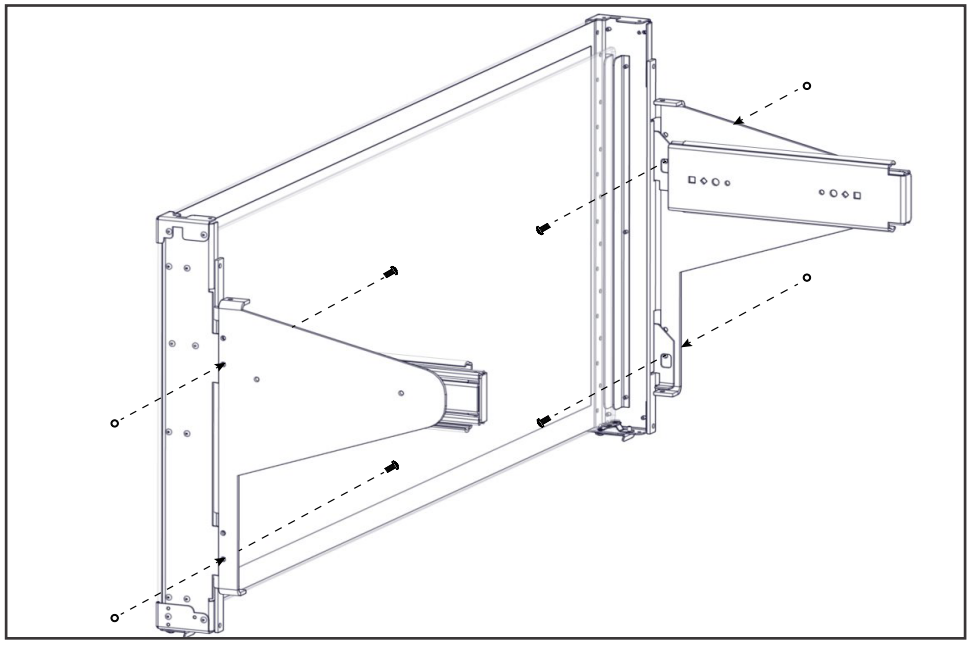


DON’TS

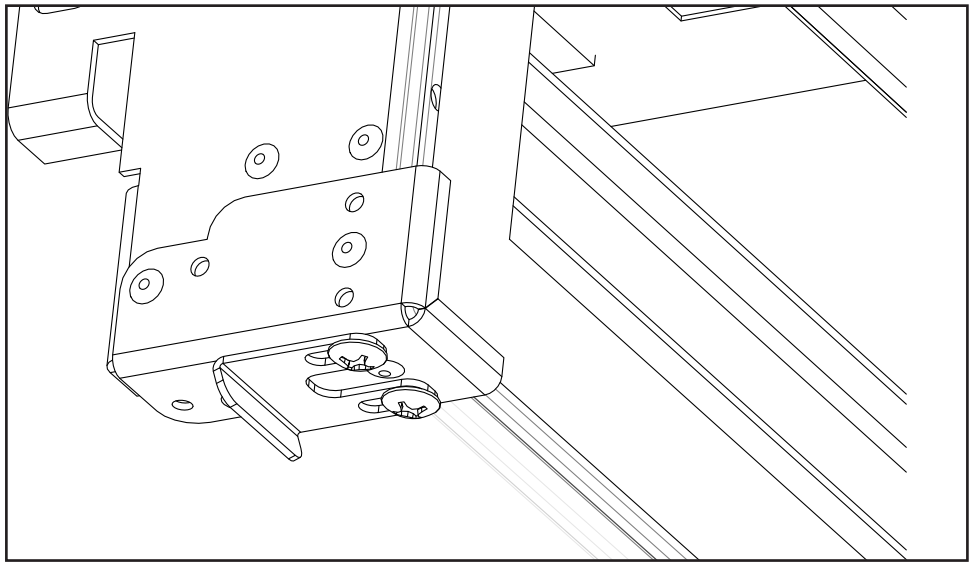




8. Secure with two fasteners on each door mounting bracket.



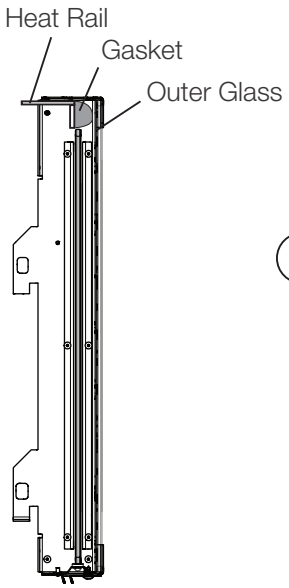
9. Loosen the securing screws of the latch clips, slide them all the way back, and retighten securing screws.



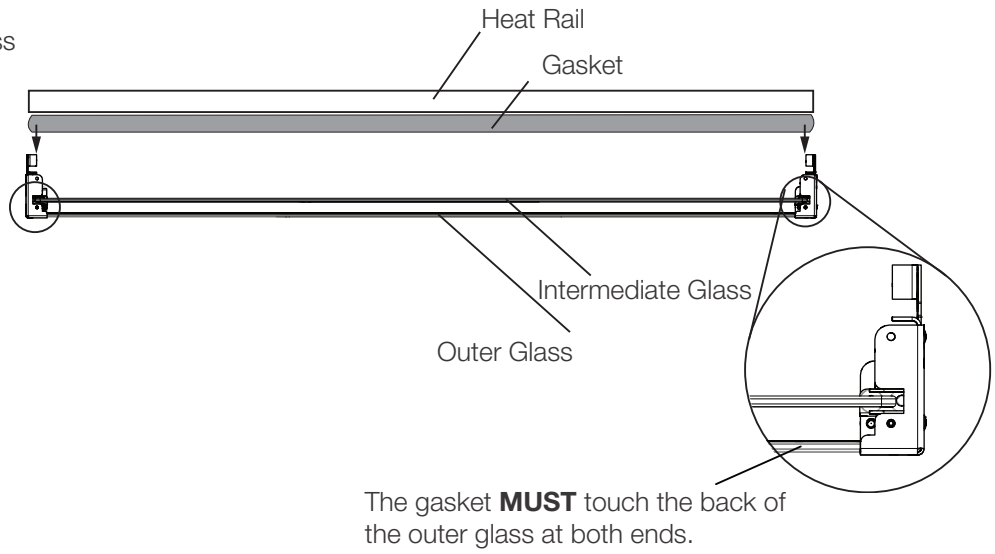
10. Slide GGA into the appliance until outer glass panel makes contact with heat rail gasket. The GGA will 'click' into safety latches when secure. If GGA does not engage with safety clips, an adjustment may be required.

important:

Ensure that the heat rail gasket is touching the both ends of the back of the outer glass as shown



SIDE VIEW

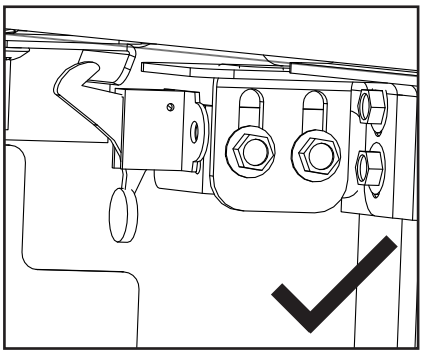


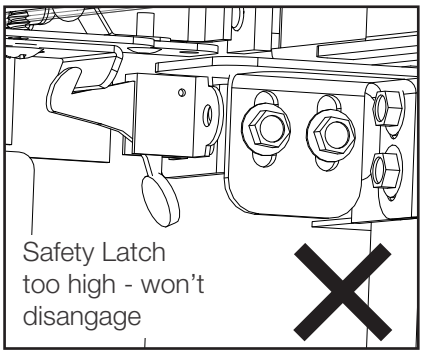
For longer appliances, the glass pieces may look slightly bowed (illustration not to scale) when the glass and appliance are cold. This is normal and not a cause for concern. The glass will straighten and become flush to the heat rail gasket as it comes warm when the appliance is operating

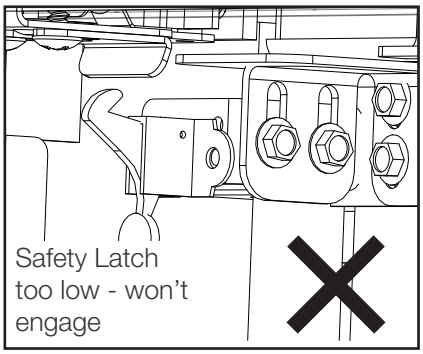
It is **REQUIRED** to have the gasket touching both ends of the outer glass.

11. Check if the GGA plane is straight. Adjust with horizontal adjustment screws if necessary.

12. Check if the safety latches are correctly positioned. Adjust safety latches if necessary.



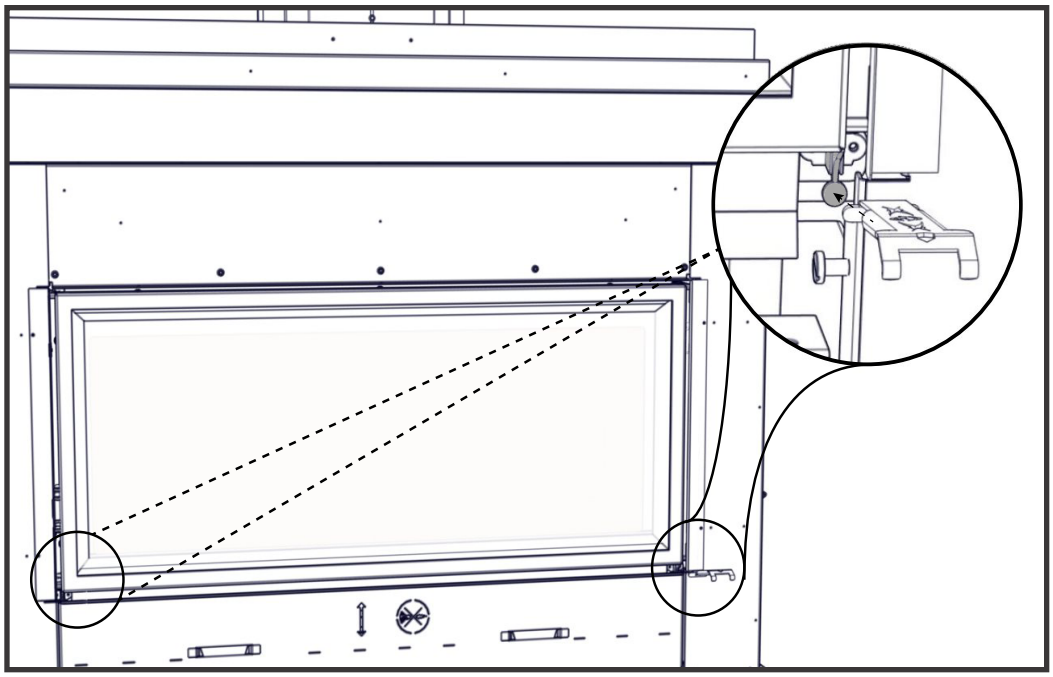




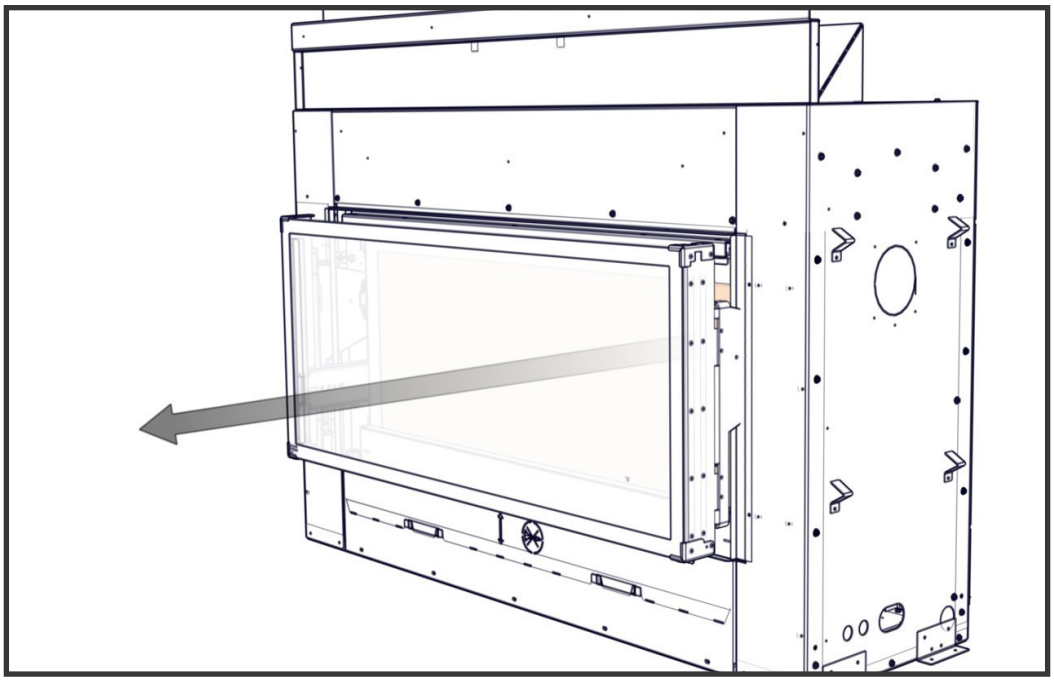
finishing

13. Check if the outer glass of the GGA is touching the heat rail gasket on both ends.
14. Check for any excessive play by lightly pulling the GGA outwards. The play (rattle / movement) should be negligible in the system when the GGA is held in position by the safety clips.
15. If there is excessive play, the latch clips on the bottom of the GGA should be adjusted to reduce the play to a minimal level. This is to ensure GGA can still be clipped and unclipped smoothly without excessive force.
16. Recheck the outer glass alignment to the heat rail gasket and adjust if needed.
17. Safely store the GGA after test fitting. Ensure GGA is placed on a non-abrasive material to avoid scratches.
18. Re-install GGA after the appliance finishing and recheck alignment.

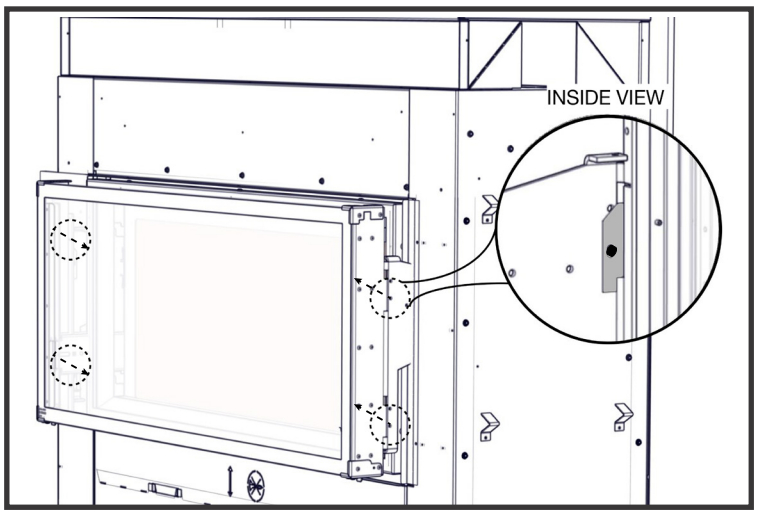
To remove GGA



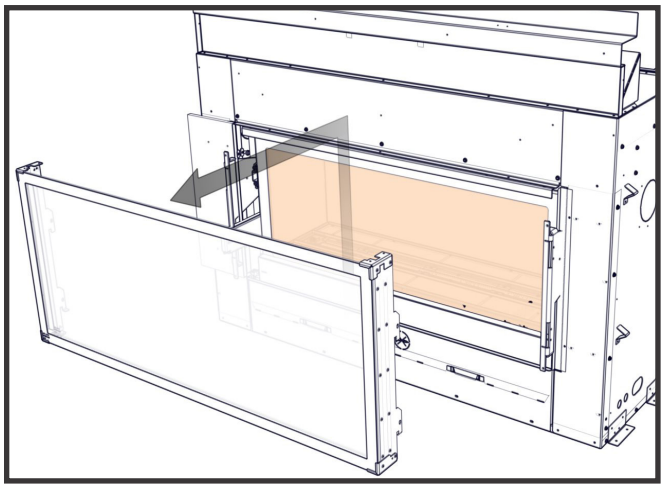
To open, release the safety clip from the GGA using the release tool. Push the release tool against bottom of safety clip until it disengages from GGA. Pull gently on GGA while releasing the safety clip latch.



Pull both sides of GGA keeping it parallel to the appliance.



Remove the screws and washers securing the GGA to the door support brackets (1 per corner).



Carefully lift the GGA up and off the door support brackets (2 per side). Set assembly on a clean, soft surface. Care must be taken to protect the edges of glass.

12.5 anti condensation switch

This appliance has the option to change from an electronic intermittent pilot ignition (IPI) to a standing pilot for cold climates. The anti condensation control (standing pilot) is located to the left of the control panel. Using your finger, flip the switch up for standing pilot or down for intermittent pilot ignition.

Turning the ACS switch on will allow the pilot flame to burn continuously. This mode will minimize the condensation which forms on the inside of the glass when the main burner is first turned on. It will also help the appliance and vent system stabilize more quickly during the colder months.

During the warmer winter and summer months, the ACS switch can be turned off to minimize fuel consumption.

12.6 firebox glass door installation / removal

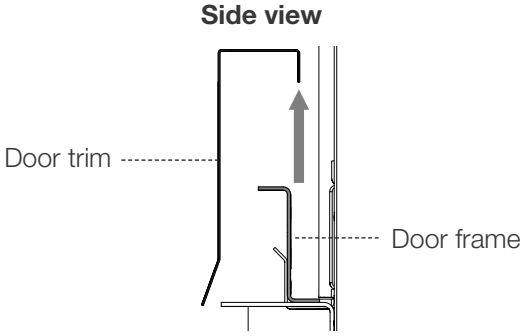
⚠ WARNING

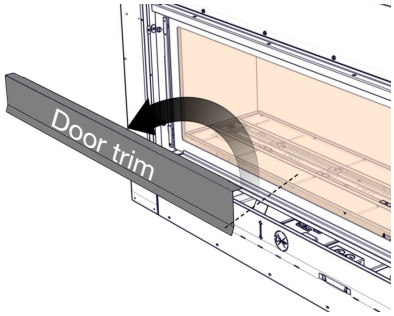
- Do not insert fingers in the gap between the door and the door frame, or between the spring latches & door. there is a risk of injury due to the spring mechanism. Do not insert fingers in the spring door latch mechanism.

FRONT - ACCESS SIDE

A. Remove the glass barrier assembly, refer to the “glass guard installation/removal” section for details.

B. Remove the door trim by carefully lifting it up and off from behind the bottom frame of the glass door.





LVX38 Illustrated

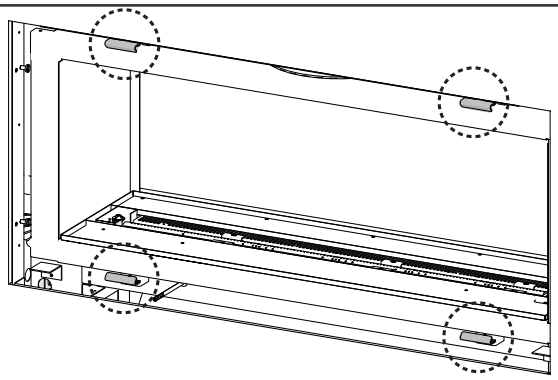
D. For door removal, locate the top and bottom door latches. Pull latches forwards and away to disengage door latches.

note:
Ensure to leave one hand on the glass door during entire door removal.

E. Tilt the top of the door forwards 90 degrees, then lift it up and out of the door latches.

F. Reverse these steps to re-install the door, ensure the top and bottom door latches are properly engaged prior to releasing the door (Wider units will have more latches).

note:
Ensure the door opens freely and closes sealed.



LVX38 Illustrated

IMPORTANT: Once latches are engaged, test to make sure that the door is sealed

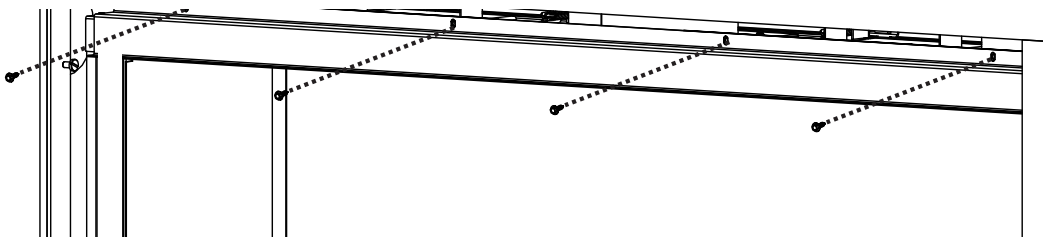
FIXED - SEE-THRU ONLY

G. Remove GGA from fixed side.

H. Remove the screws securing the door to the appliance.

I. Tilt the top of the door forward, then lift it up and out of the bottom door retainer.

J. When re-installing the door, lift onto the bottom door retainer, tilt the top towards the appliance and secure with the previously removed screws.



note:
Under normal conditions, there is no reason to remove the fixed side of the firebox glass door. Servicing can be completed from the access side.

12.7 glass media installation / removal

⚠ WARNING

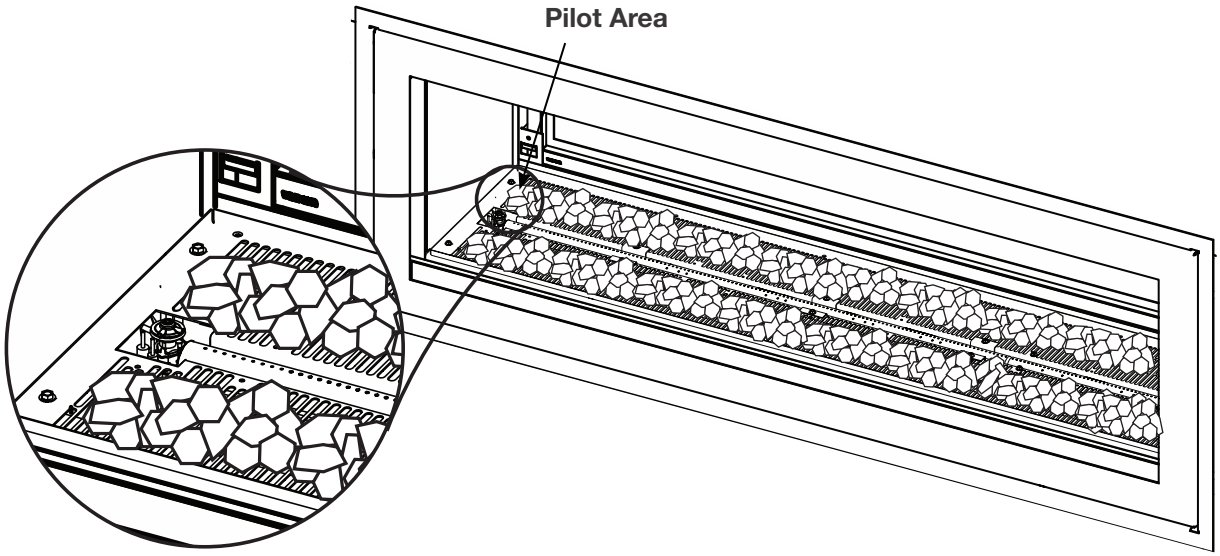
- Clean the glass media prior to installation. Before applying the cleaned glass, ensure that it is dry.
- If replacing, use only the replacement glass media available from your local authorized dealer / distributor.
- Glass media over the burner ports will cause flame lifting and sooting problems.
- Do not place any media (glass or vermiculite) in or around the pilot opening and/or on the burner ports. This will interfere with the pilot operation.

Evenly spread the glass media onto the media tray. Ensure no glass media falls into the pilot opening. If this happens, insert a clean bag into your vacuum cleaner and vacuum out the glass media.
Replacement glass can be purchased from your local dealer / distributor.

note:
Do not use more media than what was supplied.
Do not place media directly onto the burner.

Cleaning Glass Media
Glass media may have a fine oil residue that needs to be cleaned prior to installation. Clean the glass with mild dish soap, drain, rinse thoroughly and dry before placing over the burner.

Removing Media
Using a vacuum cleaner, use a clean bag and vacuum out the glass media.



12.8 optional media placement

To install optional media, refer to instruction leaflet included with the media kit.

13.0 adjustments

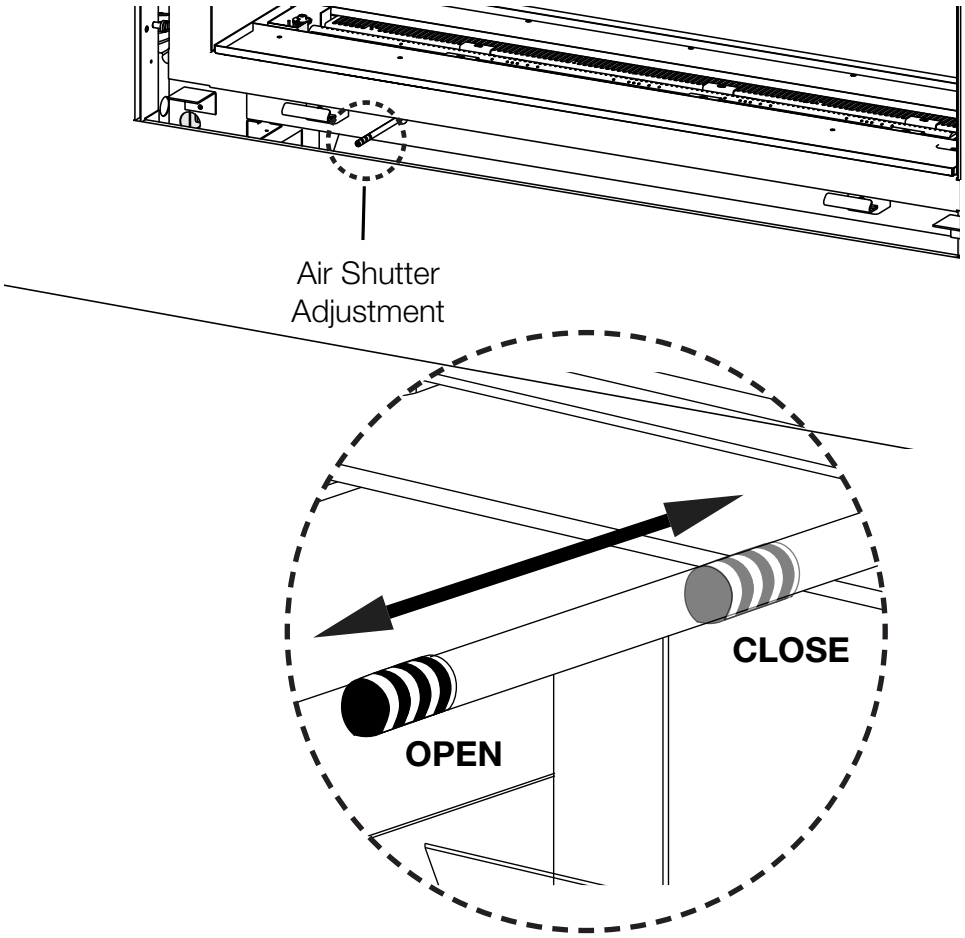
13.1 restricting vertical vents

Vertical installations may display a very active flame. If this appearance is not desirable, the vent exit in the appliance must be restricted using a restrictor vent kit. Refer to the "**replacements**" section of the owner's manual for the appropriate kit. This will reduce the velocity of the exhaust gases, slowing down the flame pattern and creating a more traditional gentle flame appearance. Specific instructions are included with the kit.

13.2 venturi adjustment

This appliance is equipped with an externally adjustable air shutter that is **not** preset from factory. Any adjustments made to the shutter **must** be done with door installed, including the burner and all media installed into the appliance. It is important to operate the appliance and verify that the air shutter is opened to the correct amount to prevent either flame lifting or carbonizing and to optimize the appearance of the flame. To open or close the shutter, pull the rod away from the appliance or push the rod towards the appliance respectively.

Small adjustments on the shutter can have a drastic effect on the flame appearance; it is recommended to adjust the shutter in 1/8" increments.



⚠ WARNING

- Air shutter adjustment must be done by a qualified installer

Regardless of air shutter location closing the air shutter will cause a more yellow flame, but can lead to carbonization. Opening the air shutter will cause a more blue flame, but can cause flame lifting from the burner ports. The flame may not appear yellow immediately, allow 15 to 30 minutes for the flame colour to be established.

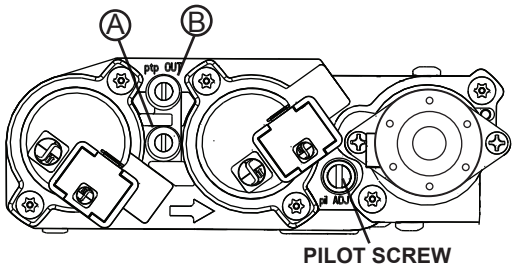
13.3 pilot burner adjustment

Adjust the pilot screw to provide properly sized flame. Turn in a clockwise direction to reduce the gas flow.

Check Pressure Readings:

Inlet pressure can be checked by turning screw (A) counter-clockwise 2 or 3 turns and then placing pressure gauge tubing over the test point. Gauge should read as described on the chart below. Check pressure with main burner operating on “HI”.

Outlet pressure can be checked the same as above using screw (B). Gauge should read as described on the chart below. Check pressure with main burner operating on “HI”.



After taking pressure readings, be sure to turn screws clockwise firmly to reseal. Do not overtorque.

Leak test with a soap and water solution.

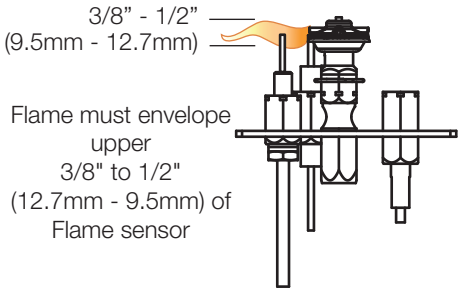
Prior to pilot adjustment, ensure that the pilot assembly has not been painted. If overspray or painting of the pilot assembly has occurred remove the paint from the pilot assembly, or replace. Fine emery cloth or a synthetic scrub pad (such as Scotch-Brite™) can be used to remove the paint from the pilot hood, electrode and flame sensor.

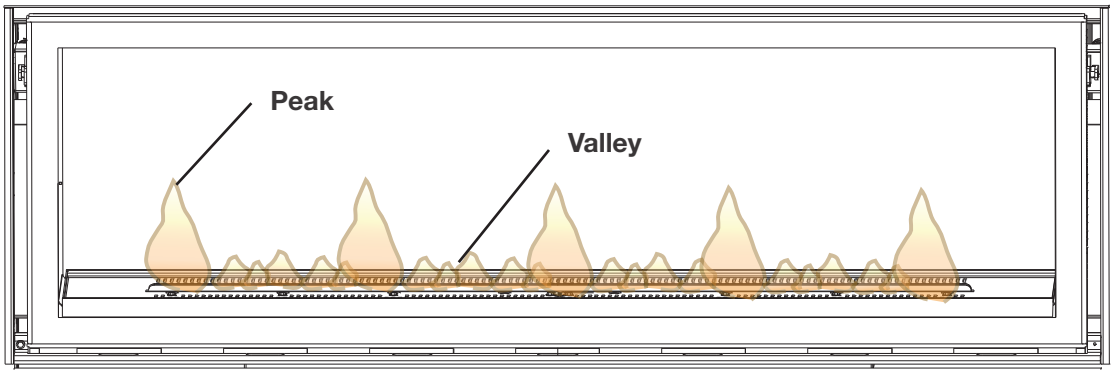
	Natural Gas	Propane (Not available for LVX74)
Min. Inlet Gas Supply Pressure	4.5" w.c. (11mb)	11" w.c. (27mb)
Max. Inlet Gas Supply Pressure	*13" w.c. (32mb)	13” w.c. (32mb)
Manifold Pressure (Under Flow Conditions)	3.5” w.c. (9mb)	10” w.c. (25mb)

***Maximum inlet pressure not to exceed 13”**

13.4 flame characteristics

It’s important to periodically perform a visual check of the pilot and burner flames. Compare them to the illustration provided. If any flames appear abnormal, call a service person.





LVX50 Illustrated

14.0 maintenance

⚠ WARNING

- Turn off the gas and electrical power before servicing the appliance.
- Appliance may be hot. Do not service until appliance has cooled.
- Do not use abrasive cleaners on glass.
- Do not paint the pilot assembly.

This appliance and its venting system should be inspected before use and at least annually by a qualified service person. The following suggested checks should be performed by a qualified technician. The appliance area must be kept clear and free of combustible materials, gasoline, or other flammable vapors and liquids. The flow of combustion and ventilation air must not be obstructed.

note:

Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

A. In order to properly clean the burner and pilot assembly, remove the logs, rocks, and/or glass to expose both assemblies.

B. Keep the control compartment, media, burner, air shutter, opening, and the area surrounding the logs clean by vacuuming or brushing at least once a year.

C. Check to see that all burner ports are burning. Clean out any of the ports which may not be burning or are not burning properly.

D. Check to see that the pilot flame reaches the sensor and large enough to engulf the flame sensor and/or thermocouple or thermopile.

E. Replace the cleaned logs, rocks, or glass. Failure to properly position the media may cause carbon which can be distributed inside of the firebox and on exterior surfaces surrounding vent termination.

F. Check to see that the main burner ignites completely on all openings when turned on. A 5 to 10 second total light-up period is satisfactory. Service as required.

G. Check the gaskets on the sides, top, and bottom of the door is not broken or missing. Replace if necessary.

H. If for any reason the vent air intake system is disassembled, re-install, and re-seal per the instructions provided for the initial installation.

I. Cleaning the safety barrier may be necessary due to excessive lint / dust from carpeting, pets, etc. Simply vacuum using the brush attachment.

J. Ensure the relief system performs effectively. Check that the gasket is not worn or damaged. Replace if necessary.

14.1 annual maintenance

⚠ WARNING

- Annual maintenance should be performed by a qualified service technician
- The firebox becomes very hot during operation. Let the appliance cool completely or wear heat resistant gloves before conducting service.
- Never vacuum hot embers.
- Do not paint the pilot assembly

- This appliance will require maintenance which should be planned on an annual basis.
- Service should include cleaning, battery replacement, venting inspection and inspection of the burner, media, and firebox. Refer to the door removal section and remove the door as instructed.
- Carefully remove media if necessary (logs, glass, brick panels, etc.).
- Using a vacuum with soft brush attachment, gently remove any dirt, debris, or carbon build up from the logs, firebox, and burner. For glass media, follow the installation instructions for pre-cleaning.
- Gently remove any build-up on the pilot assembly including thermopile, thermocouple, flame sensor, and igniter (if equipped).

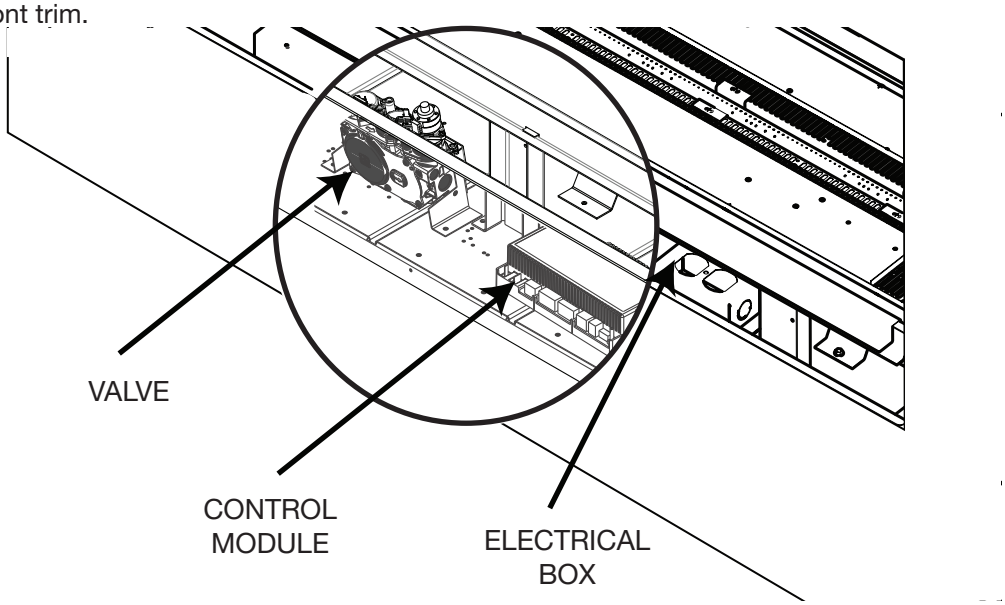
note:

Clean flame sensor using a fine emery cloth or a synthetic scrub pad (such as Scotch-Brite™) to remove any oxides. Clean the pilot assembly using a vacuum with a soft brush attachment. It is important that the pilot assembly is not painted.

- Inspect all accessible gaskets and replace as required.
- If equipped with a blower, access the blower and clean using a soft brush and vacuum.
- Re-assemble the various components in reverse order.
- Inspect the relief system. The appliance relieves through the main glass door or through the flaps on the firebox top. Ensure they open freely, and close sealed.
- Check the gas control valve pilot and Hi / Lo knobs move freely, if equipped. Replace if any stiffness in movement is experienced.
- Check for gas leaks on all gas connections up and downstream from the gas valve including pilot tube connections.

14.2 control access

Access to the control can be done through the firebox by removing the glass guard assembly, glass door and front trim.



14.3 burner removal

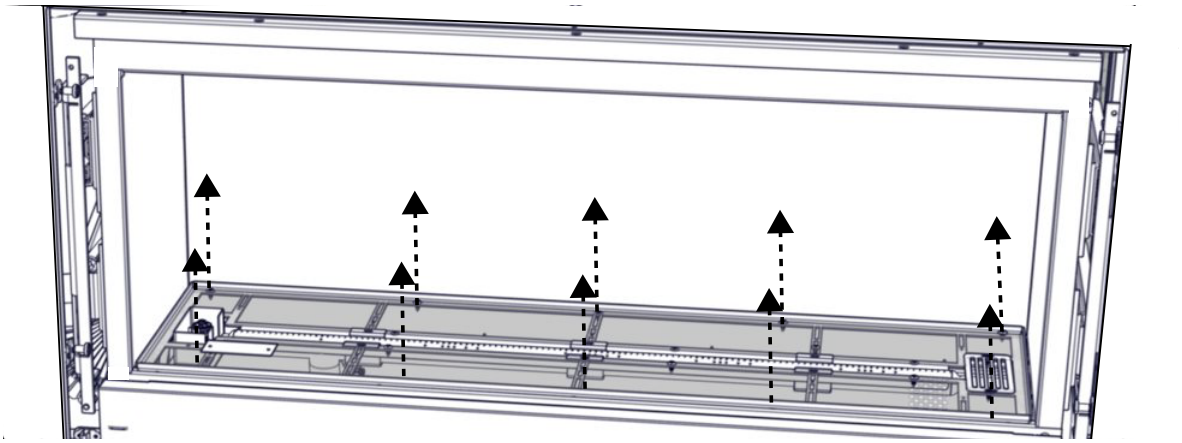
A. Remove the safety screen and glass door, refer to the “Glass Guard installation/removal” & Door installation/removal” sections for details.

B. Remove the control cover from the appliance by sliding it up and out of the clips of the front cover.

C. Remove the media from the appliance.

D. Remove the pilot housing by removing the screws.

E. Remove the screws that secure the media tray in place. Lift the burner assembly up and out of the appliance.

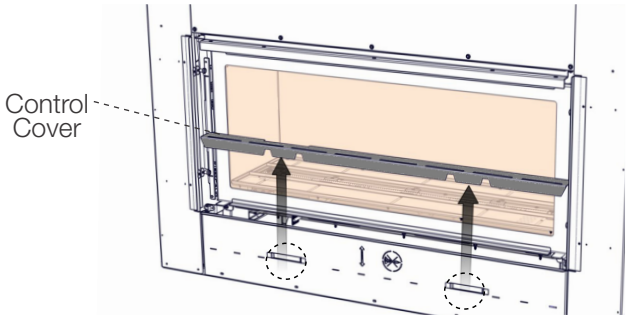


14.4 valve removal

A. Remove the glass guard assembly and glass door, refer to the “Glass Guard installation/removal” & Door installation/removal” sections for details.

B. Remove the control cover from the appliance by sliding it up and out of the clips of the front cover.

C. Remove the media tray and burner assembly, refer to the “BURNER REMOVAL” section for details.



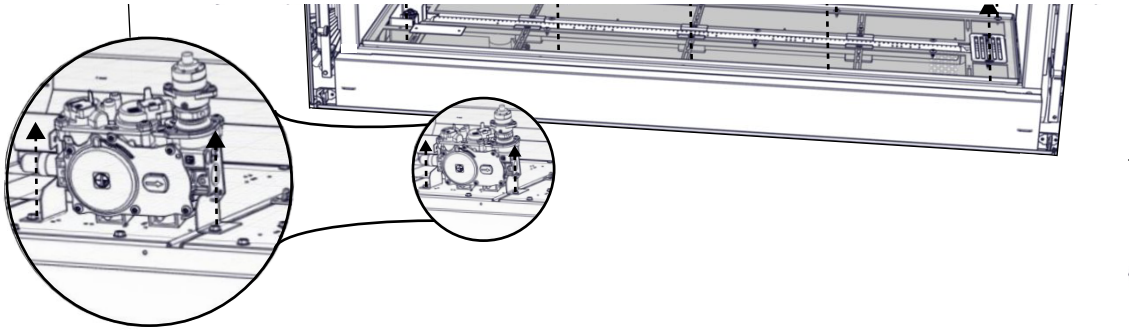
LVX38 Illustrated

D. Disconnect the flex connector from the valve. Remove the valve wire connections, labeling each one to aid with re-connection.

E. Remove the screws from the valve bracket and remove the valve.

F. Replace all components before returning the appliance to service.

G. Check for gas leaks by brushing on a soap and water solution.



14.5 control module removal

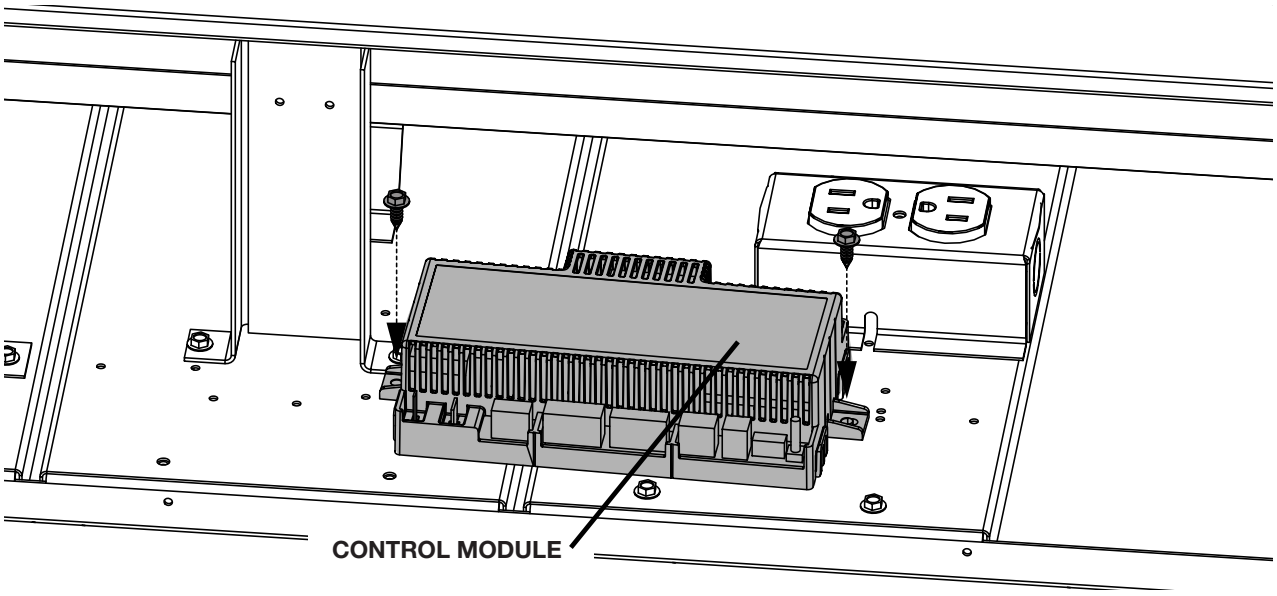
A. Remove the safety screen and glass door, refer to the "Glass Guard installation/removal" & Door installation/removal" sections for details.

B. Remove the control cover from the appliance by sliding it up and out of the clips of the front cover.

C. Remove the two screws holding the control module in place, unplug and remove.

D. Ensure to identify the wires plugged into the control module. It is critical that wires are reconnected to the appropriate connectors.

E. Replace and reinstall components.



maintenance

14.6 LED replacement

This appliance comes equipped with an LED strip. If in the event the LED strip needs to be replaced, follow these instructions.

A. Turn off all electrical supply.

B. Remove the safety screen and glass door, refer to the “Glass Guard installation/removal” & Door installation/removal” sections for details.

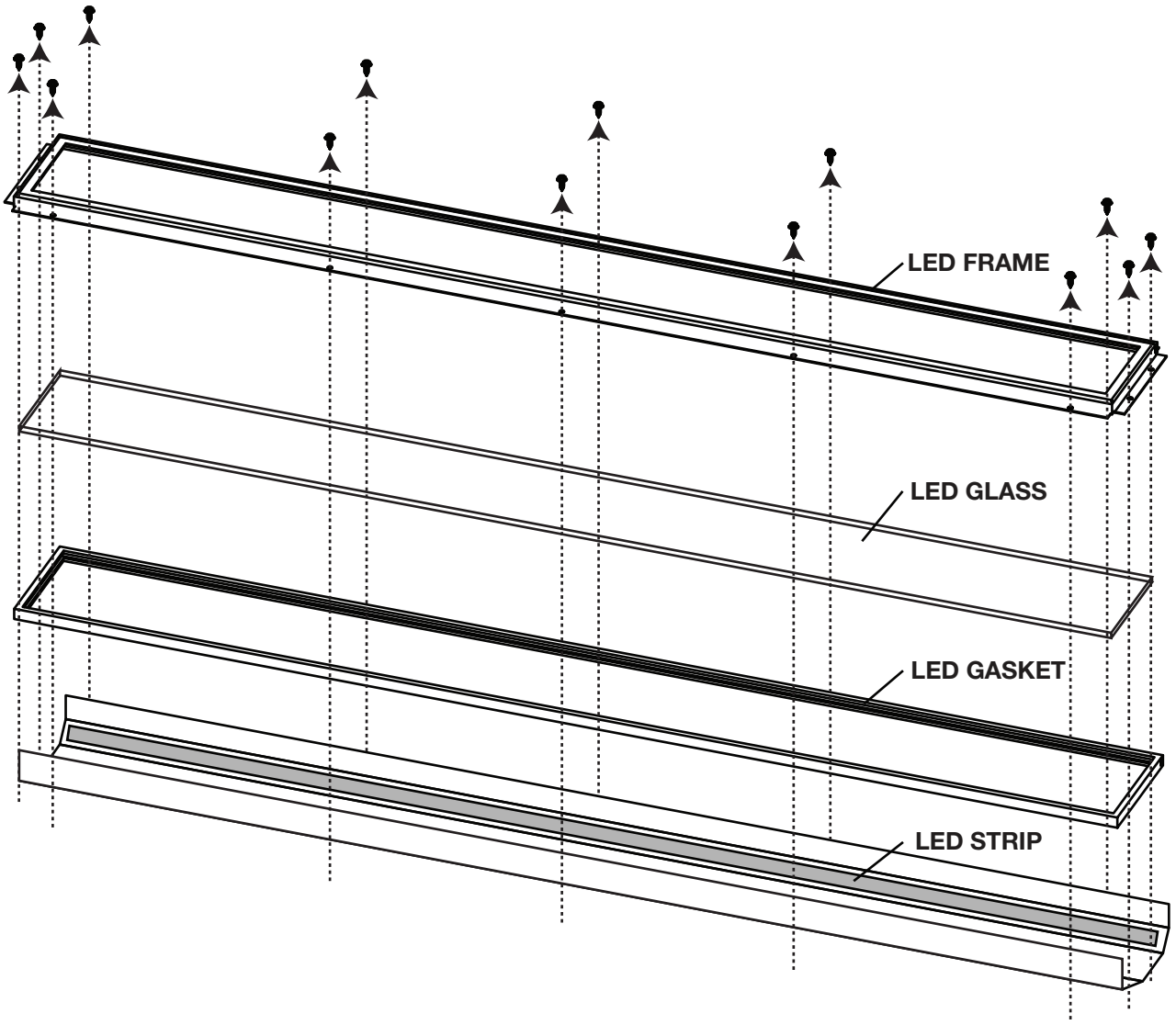
C. Remove the control cover from the appliance by sliding it up and out of the clips of the front cover.

D. Remove the media tray and burner assembly, refer to the “BURNER REMOVAL” section for details.

E. Unplug the LED strip from the control module.

F. Remove the LED glass by removing the screws securing the LED frame in place, then lift it up and out of the appliance.

G. Remove the LED strip by removing the four securing screws, replace and reinstall components.



LVX38 Illustrated

14.7 glass / door replacement

⚠ WARNING

- Do not use substitute materials.
- Glass may be hot. Do not touch glass until cooled.
- Care must be taken when removing and disposing of any broken door glass or damaged components. Be sure to vacuum up any broken glass from inside appliance before operation.
- Do not strike, slam, or scratch. Do not operate appliance with glass removed, cracked, broken, or scratched.

Replacement glass/frame assembly shall be replaced as a complete unit as supplied by the appliance manufacturer.

14.8 care of glass

⚠ WARNING

- Do not clean glass when hot! Do not use abrasive cleaners to clean glass.

Buff lightly with a clean dry soft cloth to remove accumulated dust or fingerprints. Clean both sides of the glass after the first 4 hours of operation with a recommended fireplace glass cleaner.

note:

Glass cleaners with ammonia will discolour the glass. Do not use ammonia based cleaners.

Thereafter clean as required. If the glass is not kept clean permanent discoloration and / or blemishes may result. Contact you local authorized dealer / distributor for complete cleaning instructions.

Do not contact the inside surface of the glass with razor blades, steel wool or other metallic objects as a thin layer of metal removed from the object may be deposited onto the coating which results in a discoloured stain or scratch like mark. More importantly, this can scratch the glass surface thereby reducing its strength.

Do not operate the appliance with broken glass, as leakage of flue gases may result.

If the glass should ever crack or break while the fire is burning, do not open the door until the fire is out. Do not operate the appliance until the glass has been replaced. Contact you local authorized dealer / distributor for replacement parts. **DO NOT SUBSTITUTE MATERIALS.**

14.9 care of plated parts

If the appliance is equipped with plated parts, you must clean fingerprints or other marks from the plated surfaces before operating the appliance for the first time. Use a glass cleaner or vinegar and towel to clean. If not cleaned properly before operating for the first time, the marks can cause permanent blemishes on the plating. After the plating is cured, the fingerprints and oils will not affect the finish and little maintenance is required, just wipe clean as needed. Prolonged high temperature burning with the door ajar may cause discolouration on plated parts.

note:

The protective wrap on plated parts is best removed when the assembly is at room temperature but this can be improved if the assembly is warmed, using a hair dryer or a similar heat source.

This appliance is factory equipped with 5mm ceramic glass. Use only replacement parts as supplied by the appliance manufacturer. **DO NOT SUBSTITUTE MATERIALS**

15.0 replacements

⚠ WARNING

- Failure to position the parts in accordance with this manual or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

Contact your dealer for questions concerning prices and policies on replacement parts. Normally, all parts can be ordered through your Authorized dealer / distributor.

For warranty replacement parts, a photocopy of the original invoice will be required to honour the claim.

When ordering replacement parts always give the following information:

- Model & Serial Number of appliance
- Installation date of appliance
- Part number
- Description of part
- Finish

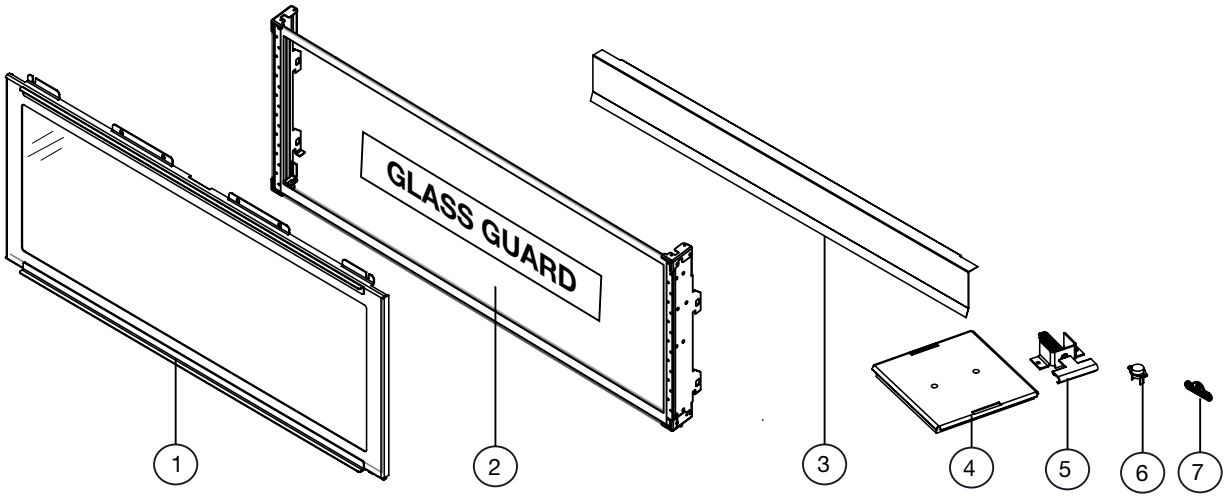
Parts, part numbers, and availability are subject to change without notice.

Parts identified as stocked will be delivered within 2 to 5 business days for most delivery destinations.

Parts not identified as stocked will be delivered within a 2 to 4 week period, for most cases.

Parts identified as 'SO' are special order and can take up to 90 days for delivery

15.1 overview

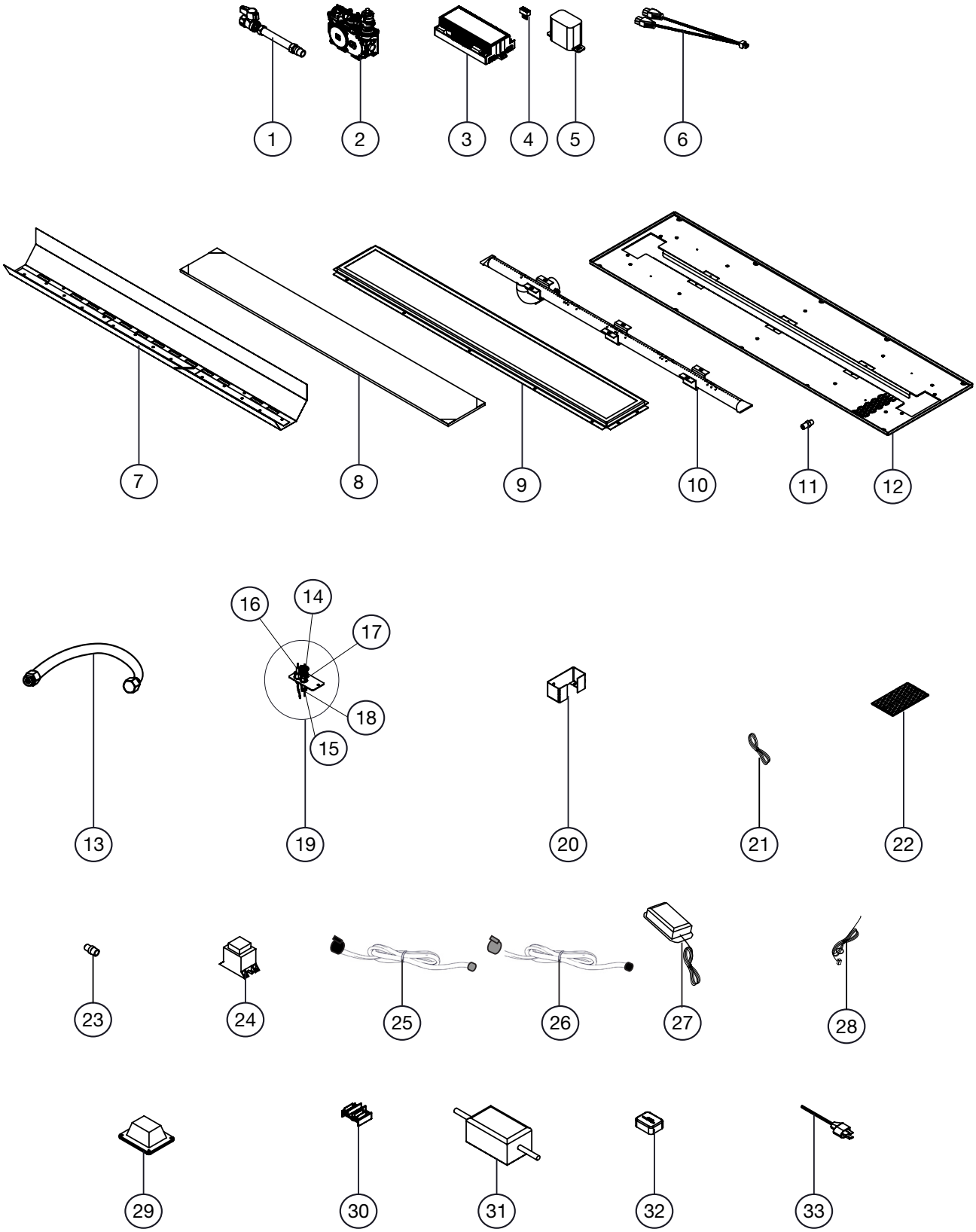


Items may not appear exactly as illustrated

REF. #	Description	Part Number				Stocked
		LVX38	LVX50	LVX62	LVX74	
1	Fixed Door Assembly	W010-4198	W010-4162	W010-4202	W010-4090	
1	Access Door Assembly (See-thru)	W010-4198	W010-4162	W010-4202	W010-4090	
2	Glass Guard Assembly	GGA38	GGA50	GGA62	GGA74	
3	Door Trim	W715-1149	W715-1144	W715-1124	W715-1149	
4	Relief Door Assembly	W010-1426	W010-1426	W010-1426	W010-1426	
5	Door Latch Assembly	W010-3554	W010-3554	W010-3554	W010-3554	
6	High Limit Switch	W660-0204	W660-0204	W660-0204	W660-0204	
7	Napoleon Logo	W385-2010	W385-2010	W385-2010	W385-2010	Yes
*8	Heat Rail (w/ gasket)	W010-4257-SER	W010-4258-SER	W010-4259-SER	W010-4260-SER	

*Part not illustrated

15.2 burner components



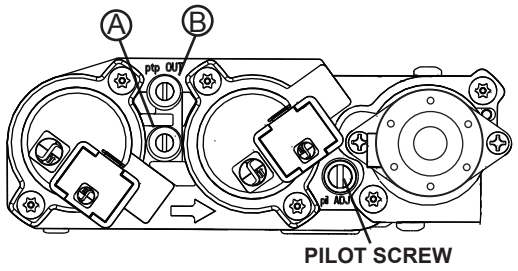
Items may not appear exactly as illustrated

Ref. #	Description	Part Number				Stocked
		LVX38	LVX50	LVX62	LVX74	
1	Flex Connector (c/w Shut-Off)	W175-0217	W175-0217	W175-0217	W175-0217	Yes
2	Valve (NG)	W725-0056	W725-0056	W725-0056	W725-0056	Yes
2	Valve (P)	W725-0057	W725-0057	W725-0057	N/A	Yes
3	Control Board	W190-0124	W190-0124	W190-0124	W190-0124	Yes
4	Control Board Wiring Harness	W750-0276	W750-0276	W750-0276	W750-0276	Yes
5	Battery Housing	W350-0655	W350-0655	W350-0655	W350-0655	Yes
6	3 Prong Light Pigtail	W750-0358	W750-0358	W750-0358	W750-0358	Yes
7	LED Light Assembly	W010-3661	W010-3652	W010-4079	W010-4078	
8	LED Glass Assembly	W010-3752	W010-3714	W010-4071	W010-4070	
9	LED Cover	W200-0543	W200-0499	W200-0653	W200-0652	
10	Burner Assembly (NG)	W100-0225	W100-0224	W100-0221	W100-0226	
11	Burner Orifice (NG)	W456-0038	W456-0034	W456-0030	W455-0141	Yes
12	Media Tray Assembly	W010-4140	W010-4139	W010-4136	W010-4138	
13	Manifold	W432-0533	W432-0533	W432-0533	W432-0533	
14	Pilot Hood	W335-0039	W335-0039	W335-0039	W335-0039	
15	Pilot Orifice (NG)	W455-0070	W455-0070	W455-0070	W455-0070	
15	Pilot Orifice (P)	W455-0068	W455-0068	W455-0068	N/A	
16	Thermosensor	W245-0025	W245-0025	W245-0025	W245-0025	
17	Ignitor (w/ Cable)	W240-0013	W240-0013	W240-0013	W240-0013	Yes
18	Pilot Tube (w/ Fittings)	W720-0062	W720-0062	W720-0062	W720-0062	
19	Pilot Assembly (NG)	W010-2763	W010-2763	W010-2763	W010-2763	
19	Pilot Assembly (P)	W010-2808	W010-2808	W010-2808	N/A	
20	Pilot Housing	W350-0800	W350-0800	W350-0800	W350-0800	
21	Thermostat Wire	W750-0338	W750-0338	W750-0338	W750-0338	
22	Media Cover Assembly	W010-4211	W010-4211	W010-4211	W010-4211	
23	Flex Connector (c/w Fittings)	W445-0038	W445-0038	W445-0038	W445-0038	Yes
24	Transformer	W707-0019	W707-0019	W707-0019	W707-0019	Yes
25	LED Wire (Red)	W750-0433	W750-0433	W750-0433	W750-0433	
26	LED Wire (White)	W750-0401	W750-0401	W750-0401	W750-0401	
27	LED Controller	W190-0125	W190-0125	W190-0125	W190-0125	
28	Bluetooth Wire Harness	W750-0435	W750-0435	W750-0435	W750-0435	
29	Light, Accent	W405-0049	W405-0049	W405-0049	W405-0049	
30	Terminal	N/A	N/A	W060-0008	W060-0008	Yes
31	Transformer	W707-0019	W707-0019	W707-0027	W707-0027	
32	Bluetooth Module	W190-0090	W190-0090	W190-0090	W190-0090	
33	Power Cord	W750-0294	W750-0294	W750-0294	W750-0294	

16.0 troubleshooting

⚠ WARNING

- Always light the pilot whether for the first time or if the gas supply has run out, with the glass door open or removed.
- Turn off gas and electrical power before servicing the appliance.
- Appliance may be hot. Do not service until appliance has cooled.
- Do not use abrasive cleaners

symptom	problem		test solution
Main burner flame is a blue, lazy, transparent flame. (This is not applicable in outdoor appliances)	Blockage in vent.	-	Remove blockage. In really cold conditions, ice buildup may occur on the terminal and should be removed as required. (To minimize this from reoccuring, the vent lengths that pass through unheated spaces (attics, garages, crawl spaces) be wrapped with an insulated mylar sleeve).
	Incorrect installation.	-	Refer to “VENTING” section to ensure correct installation.
Flames are consistently too large or too small. Carboning occurs.	Appliance is over-fired or under-fired.	-	**Check pressure readings:** Inlet pressure can be checked by turning screw (A) counter-clockwise 2 or 3 turns and then placing pressure gauge tubing over the test point. Gauge should read as described on the chart below. Check that main burner is operating on ‘HI’. Outlet pressure can be checked the same as above using screw (B). Gauge should read as described on the chart below. Check that main burner is operating on ‘HI’. **After taking pressure readings, be sure to turn screws clockwise firmly to reseal. DO NOT OVER TORQUE** Leak test with a soap and water solution. 
	Air shutter improperly adjusted.	-	Return air shutter to specified opening, see “**venturi adjustments**” section in the installation manual.
Carbon is being deposited on glass, logs, rocks, media, or combustion chamber surfaces.	Air shutter is blocked.	-	Ensure air shutter opening is free of lint or other obstructions.
	Flame is impinging on the glass, logs, rocks, media or combustion chamber.	- - - - - -	Ensure the media is positioned correctly in the appliance. Open air shutter to increase the primary air. Check the input rate: check the manifold pressure and orifice size as specified by the rating plate. Ensure door gaskets are not broken or missing and the seal is tight. Ensure vent liners are free of holes and well sealed at all joints. Check that minimum rise per foot (meters) has been adhered to for any horizontal venting.
White / grey film forms.	Sulphur from fuel is being deposited on glass, logs, or combustion chamber surfaces.	- -	Clean the glass with a recommended gas fireplace glass cleaner. **DO NOT CLEAN GLASS WHEN HOT.** If deposits are not cleaned off regularly, the glass may become permanently marked.
Exhaust fumes smelled in room, headaches.	Appliance is spilling. (This is not applicable in outdoor appliances).	- - - -	Check door seal. Check for exhaust damage. Check that venting is installed correctly. Room is in negative pressure; increase fresh air supply.

symptom	problem	test solution
Pilot will not light. Makes noise with no spark at pilot burner.	Wiring: short, loose, or damaged connections (poor flame rectification).	- Verify the thermocouple/sensor is clean and the wiring is undamaged. - Verify the interrupter block is not damaged or too tight. Verify connections from pilot assembly are tight; also verify the connections are not grounding out to any metal. (Remember, the flame carries the rectification current, not the gas. If flame lifts from pilot hood, the circuit is broken. A wrong orifice or too high of an inlet pressure can cause the pilot flame to lift)*. The sensor rod may need cleaning.
	No signal from remote with no pilot ignition.	- Reprogram receiver code. - Replace receiver.
	Poor grounding.	- Verify the valve and pilot assembly is properly grounded
	Improper switch wiring.	- Troubleshoot the system with the simplest **on/off** switch.
	Dirty, painted, or damaged pilot and/or dirty sensor rod.	- Clean sensor rod with a green Scotch-Brite™ pad to remove any contamination that may have accumulated. Verify continuity with multimeter with ohms set at the lowest range.
Pilot sparks but will not light.	Gas supply.	- Verify that the incoming gas line ball valve is “open”. - Verify that the inlet pressure reading is within acceptable limits, inlet pressures must not exceed 14” W.C. (34.9mb).
	Out of propane gas.	- Fill the tank.
	Pilot supply line may contain air.	- Repeat ignition process several times or purge the pilot supply line.
	Incorrect wiring / grounding.	- Ensure correct polarity of wiring of thermocouple (if equipped). - Verify pilot assembly/valve are properly grounded.
	Receiver (if equipped).	- Reset program: hold reset button on receiver and wait for 2 beeps. Release after second beep. Press small flame button on remote within 20 seconds, you will hear an additional beep (this signals a successful reset). - Replace receiver.
	Valve.	- Check valve and replace if necessary (Do not to overtighten thermocouple).
Burner continues to spark and pilot lights but main burner does not light.	Short or loose connection in sensor rod.	- Verify all connections. Verify the connections from the pilot assembly are tight. Also, verify these connections are not grounding out to any metal.
	Dirty, painted, or damaged pilot assembly components.	- Clean using a green Scotch-Brite™ pad to remove any contamination that may have accumulated on the sensor rod, pilot hood, ignitor, or flame sensor. Verify continuity with multimeter with ohms set at the lowest range.
Remote wall switch is in “**off**” position; burner comes on.	Wall switch mounted upside down.	- Reverse.
	Remote wall switch and/or wire is grounding.	- Replace. - Check for ground (short); repair ground or replace wire.
	Faulty wire	- Replace.
Remote and / or receiver is not functioning properly.	Remote controls lights but no spark or flame. (Remote is locked out).	- Reset by turning power source off then on. **note:** If back up batteries are installed, they must also be removed to re-program
	Receiver or remote has low battery.	- Replace batteries.
	Error with synchronizing.	- Reset receiver and remote.
	Remote too far away from receiver.	- Refer to “WIRING DIAGRAM“ section.
	Wire connector pins are bent.	- Straighten pins.
	Valve wiring is damaged.	- Replace valve.

troubleshooting

symptom	problem	test solution
Motor is turning, frequent beeping occurs.	Receiver batteries low.	- Replace batteries.
Lights or blower won't function (if equipped).	Control module switch in wrong position.	- Verify ON/OFF switch is in the "I" position which denotes on.
	COM switch is unplugged.	- Verify "COM" switch is plugged into the front of the control module.
Flames are very aggressive.	Door is ajar.	- Ensure door is secured properly.
	Venting action is too great.	- Check to ensure venting is properly sealed or restrict vent exit with restrictor plate. (Not available in all appliances).
Appliance won't perform any functions.	No power to the system.	- Check breaker to verify it's in the "**on**" position.
	Receiver switch in wrong position (if equipped).	- Verify that the 3 position switch on the receiver is in the remote position (middle).
	Transmitter isn't operational.	- Check battery power and battery orientation.

symptom	problem	test solution
The following applies specifically to the <u>SIT system</u> only:		
Pilot will not light. Makes no noise with no spark at pilot burner. (Lights and blower operate, if equipped).	Ignition box has been locked out.	Choose one of the 4 methods below to reset the system. **1.** To reset ignition box when locked out. Turn off power supply and remove batteries (if used) from the back up battery pack. **2.** To reset the DFC Board when the board goes into a lock out condition and the LED is blinking 3 times using the transmitter **on/off** button: **Step 1:** Turn the system off by pressing the **on/off** button to turn the system off. **Step 2:** After approximately 2 seconds press the **on/off** button on the transmitter again. The DFC Board will reset and the ignition sequence will start again. **3.** To reset the DFC Board when the board goes into a lock out condition and the LED is blinking 3 times by cycling flame: **Step 1:** In the manual flame control mode, use the down arrow button to reduce the flame to off, indicated by the word OFF displayed on the transmitter LCD screen. **Step 2:** Wait approximately 2 seconds and press the up arrow button, the ignition sequence will start.

note:

Starting from **off**, press the **on** button on the transmitter. Approximately 4 seconds **on/off** button is pressed, the ignition board will start the spark. The first try for ignition will last approximately 60 seconds. If there is no flame ignition (rectification), the board will stop sparking for approximately 35 seconds. After the wait time, the board will start the second try for ignition by sparking for approximately 60 seconds. If there is still no positive ignition, the board will go into lock out.

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