

INSTALLATION AND OPERATION MANUAL

HUSSONG MANUFACTURING CO., INC.

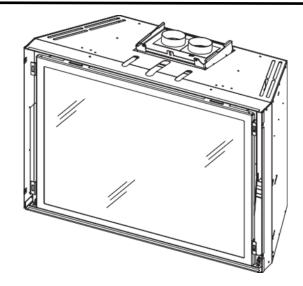
NORDIK 34i

Model #NDK-34-i
Direct Vent Gas Fireplace Insert

Evolution of Fire™ with the EVO Elevated Burner™

English and French installation manuals are available through your local dealer. Visit our website www.kozyheat.com.

Les manuels d'installation en français et en anglais sont disponibles chez votre détaillant local. Visitez www.kozyheat.com.







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 Soecialists.

AWARNING:

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

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

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.

A DANGER



HOT GLASS WILL CAUSE BURNS

DO NOT TOUCH GLASS
UNTIL COOLED

NEVER ALLOW CHILDREN
TO TOUCH GLASS

Starting Serial Number: 23 N34i01000 01

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.

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

CONGRATULATIONS!

Hussong Manufacturing welcomes you as a new owner of a Kozy Heat gas fireplace. Kozy Heat products are designed with superior components and materials, assembled with care by trained craftsmen who take pride in their work. To ensure you receive a quality product, the burner and valve assembly are 100 percent test-fired, and the complete fireplace is thoroughly inspected before packaging. Our commitment to quality and customer satisfaction has remained the same for over 40 years. We offer a complete line of gas, wood, and electric fireplaces, along with stylish accessories to complement any decor. Adding a fireplace is one of the best ways to increase the value of your home, and we are proud to offer a network of dealers throughout the country to help make your experience everything you imagine. We pride ourselves in being dedicated not only to functionality and reliability, but also customer safety. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your Kozy Heat gas fireplace.

Jim Hussong President Dudley Hussong Board Chairman

Read this manual before installing or operating this appliance

Please retain this owner's manual for future reference.

Homeowner Reference Information

We recommend you record the following Information:

Model Name: _____ Date Purchased / Installed: _____

Serial Number: _____ Location of fireplace: _____

Notes: ______

TABLE OF CONTENTS

| HOMEOWNER REFERENCE INFORMATION3 | | | |
|----------------------------------|---|--|--|
| TABLE OF CONTENTS5 | | | |
| 1.0 Introduction7 | | | |
| 1.1 | Appliance Certification7 | | |
| 1.2 | California Proposition 65 Warning7 | | |
| 1.3 | Requirements for the Commonwealth of | | |
| M | assachusetts7 | | |
| 2.0 Sp | pecifications8 | | |
| 2.1 | Heating Specifications8 | | |
| 2.2 | Electrical Specifications8 | | |
| 2.3 | Appliance Dimensions9 | | |
| 2.4 | Parts Assembly Overview10 | | |
| 2.5 | Safety Barrier Dimensions11 | | |
| 3.0 Ex | cisting Fireplace Requirements12 | | |
| 3.1 | Appliance Placement Considerations12 | | |
| 3.2 | Existing Fireplace Specifications12 | | |
| 4.0 Te | ermination Locations14 | | |
| 4.1 | Chimney Vent Termination Clearances14 | | |
| 4.2 | Co-Linear to Co-Axial Vent Terminations14 | | |
| 5.0 In | stallation Preparation15 | | |
| 5.1 | Inspect and Clean Existing Chimney15 | | |
| 5.2 | Flue Damper15 | | |
| 5.3 | Gas Line15 | | |
| 5.4 | Electrical Wiring15 | | |
| 5.5 | Fireplace Conversion15 | | |
| 6.0 In | stallation16 | | |
| 6.1 | Approved Vent Systems16 | | |
| 6.2 | Kozy Heat #816 and #816-CAP17 | | |
| 6.3 | Co-Linear to CO-Axial Combined Venting18 | | |
| 6.4 | Remove Vent Adapter19 | | |
| 6.5 | Run Vent System19 | | |
| 6.6 | Connect Vent Pipe to Vent Adapter20 | | |
| 6.7 | Place and Secure Appliance20 | | |
| 6.8 | Outdoor Covered Fireplace21 | | |
| 7.0 G | as Line Connection23 | | |
| 7.1 | Gas Conversion23 | | |
| 7.2 | Gas Line Installation23 | | |
| 8.0 Fa | acing and Finishing24 | | |
| 8.1 | Facing and Finishing Requirements24 | | |
| 8.2 | Shroud Installation26 | | |
| 83 | Safety Barrier Installation | | |

| 9.0 | G | as Fireplace Insert Setup | 27 |
|------|-------|--|----|
| | 9.1 | Glass Assembly | 27 |
| | 9.2 | Light Kit | 28 |
| | 9.3 | Panel Installation | 29 |
| | 9.4 | #NK34-500 Log Set Installation | 30 |
| | 9.5 | Control Board Removal and Installation | 32 |
| 10. | O El | ectrical Information | 33 |
| | 10.1 | Electrical Specifications | 33 |
| | 10.2 | Wiring Requirements | 33 |
| 11. | 0 O | perating Instructions | 36 |
| | 11.1 | Setup Proflame 2 IFC Module | 37 |
| | 11.2 | Initialize the Control System | 37 |
| | 11.3 | Reset the System for Manual Operation | 37 |
| | 11.4 | Automatic Safety Restart | 37 |
| | 11.5 | Battery Backup Operation | 37 |
| | 11.6 | Control System 7 Day Timeout | 38 |
| | 11.7 | IFC Module Ignition Sequence | 38 |
| | 11.7 | Additional Diagnostic Information | 38 |
| | 11.8 | Remote Control Operation | 39 |
| 12. | 0 Pı | ressure Testing and Burner Adjustments | 44 |
| | 12.1 | Pressure Testing | 44 |
| | 12.2 | Flame Appearance Adjustments | 45 |
| | 12.3 | Air Intake Restrictor Positioning | 46 |
| 13. | O Tr | oubleshooting | 47 |
| 14. | 0 M | laintenance | 50 |
| | 14.1 | Firebox | 50 |
| | 14.2 | Fan | 50 |
| | 14.3 | Vent System | 50 |
| | 14.4 | Glass Assembly | 51 |
| | 14.5 | Burner and Pilot System | 51 |
| 15. | 0 R | eplacement Parts List | 52 |
| l in | hotic | Lifetime Warranty | 54 |

1.0 Introduction

1.1 Appliance Certification

Laboratory: PFS in Cottage Grove, Wisconsin

Standards:

- ANSI Z21.88-2019/CSA 2.33-2019, Vented Gas Fireplace Heaters
- CSA 2.17 2017, Gas-Fired Appliances for Use at High Altitudes

This installation must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1.

1.2 California Proposition 65 Warning

⚠ WARNING: This product can expose you to chemicals including Carbon Monoxide, that is an externally vented byproduct of fuel combustion, which is [are] known to the State of California to cause birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

1.3 Requirements for the Commonwealth of Massachusetts

The following requirements reference various Massachusetts and national codes not contained in this manual.

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

1.3.1 Installation of Carbon Monoxide Detectors

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

In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

1.3.2 Approved Carbon Monoxide Detectors

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

1.3.3 Signage

A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print no less the one-half inch (½) in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

1.3.4 Inspection

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

1.3.5 Exemptions

The following equipment is exempt from 248 CMR 5.08 (2) (a) 1 through 4: The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

1.3.6 Manufacturer Requirements

1.3.6.1 Gas Equipment Venting System Provided

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

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

1.3.7 Gas Equipment Venting System NOT Provided

When the manufacturer of Product Approved side wall horizontally vented gas equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

- The referenced "special venting systems" instructions shall be included with the appliance or equipment installation instructions and;
- The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

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

2.0 Specifications

2.1 Heating Specifications

| | Natural Gas | Propane |
|--------------------------|---------------------------------|--------------------|
| Maximum Input Rating | 40,000 Btu/h | 40,000 Btu/h |
| | (11.72 kW) | (11.72 kW) |
| Orifice Size (DMS) | Left: #48 | Left: #1.20mm |
| | Right: #48 | Right: #1.20mm |
| | Rear: #55 | Rear: #68 |
| Minimum Input Rating | 20,000 Btu/h | 21,000 Btu/h |
| | (5.9 kW) | (6.15 kW) |
| Minimum Inlet Pressure | 5" WC (1.25 kPa) | 12"WC (2.99 kPa) |
| | 7" WC (1.74 kPa) recommended | |
| Maximum Pressure | 10"WC (2.49 kPa) | 13"WC (3.24 kPa) |
| Manifold Pressure (High) | 3.8" WC (0.95 kPa) | 11" WC (2.74 kPa) |
| Manifold Pressure (Low) | 1.1" WC (0.27 kPa) | 2.9" WC (0.72 kPa) |
| Venturi Opening Settings | Left : 1/8" (3mm) | Left: 5/16" (8mm) |
| | Right: 1/8" (3mm) | Right: 5/16" (8mm) |
| | Rear: 5/8" (16mm) | Rear: 5/8" (16mm) |
| Intake Restrictor | Closed Position | Open Position |

2.1.1 Altitude Adjustment

This appliance may be installed at higher altitudes. Please refer to National Fuel Gas Code ANSI Z223.1/NFPA 54, CSA-B149.1 Natural Gas and Propane Installation Code, local authorities, or codes having jurisdiction in your area regarding derate guidelines.

2.1.1.1 US Installations

Refer to the American Gas Association guidelines for the gas designed appliances derating method. For elevations above 2,000' (610m), input ratings are to be reduced by 4% for each 1,000' (305m) above sea level.

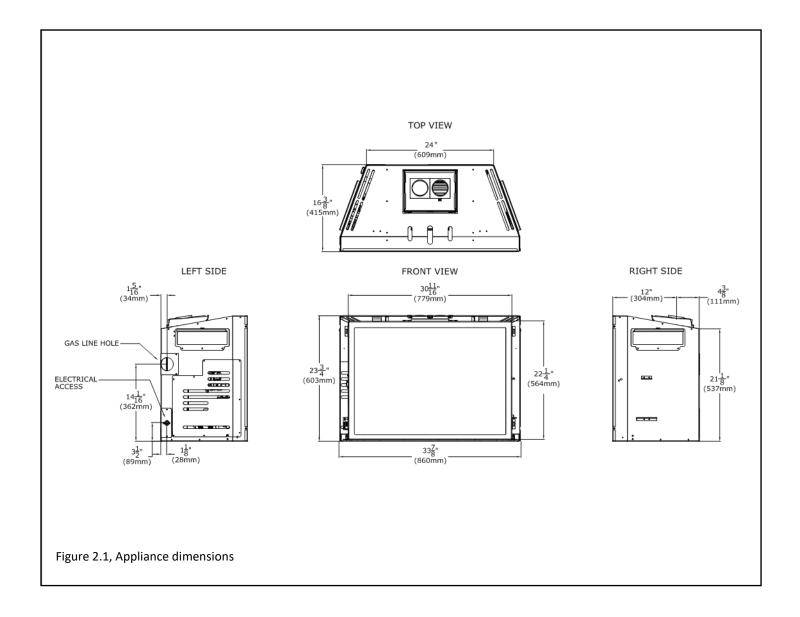
2.1.1.2 Canadian Installations

When the appliance is installed at elevations above 4,500' (1,372m), the certified high-altitude rating shall be reduced at the rate of 4% for each additional 1,000' (305m).

2.2 Electrical Specifications

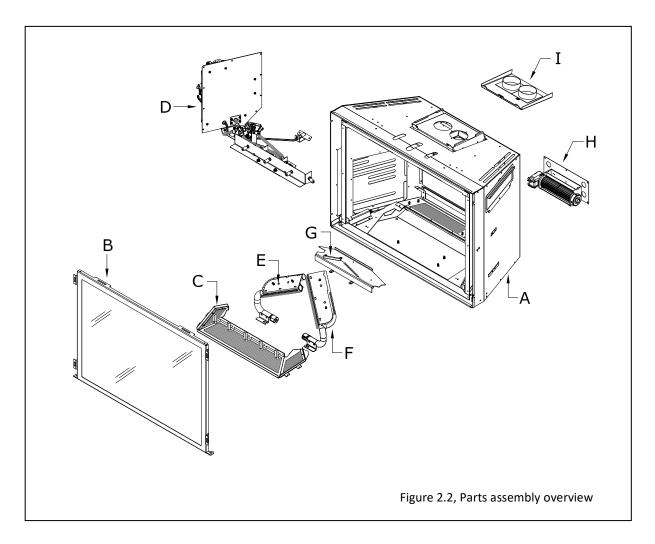
- The junction box in this appliance requires 120VAC, 60Hz, and 6 Amps.
- Verify the household breaker is shut off prior to working on any electrical lines.
- The AC power supply to this appliance must be hot at all times and shall not have a switch installed in it.

2.3 Appliance Dimensions



2.4 Parts Assembly Overview

WARNING: Failure to position these parts in accordance with these diagrams, or failure to use only specified approved parts with this appliance, may result in property damage or personal injury



| Table 2.1, Parts Overview | | | |
|---------------------------|--|---|------------------------|
| А | Fireplace Insert | F | Right Burner Assembly |
| В | Glass Frame Assembly | G | Rear Burner Assembly |
| С | Log Rack / Media Tray | Н | Fan Kit |
| D | Control Board Assembly with Light Kits | I | Co-Linear Vent Adapter |
| E | Left Burner Assembly | | |

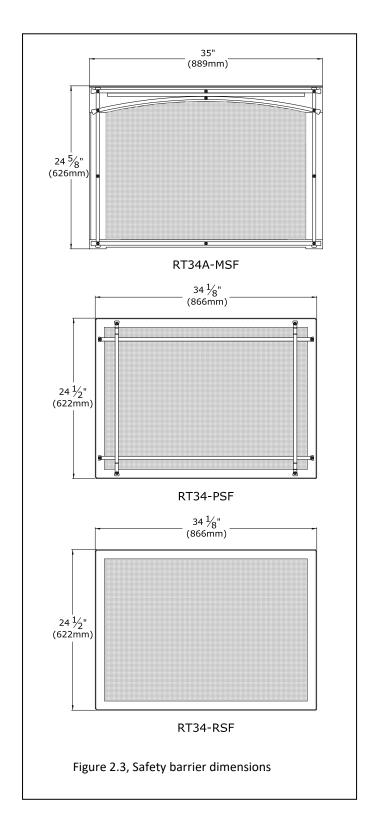
2.5 Safety Barrier Dimensions

WARNING: 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.

IMPORTANT: Consider the height of hearth finish material when building a fireplace platform. Proper installation of safety barriers require the bottom of the fireplace to be level with finished hearth.

If the barrier becomes damaged, the barrier shall be replaced with Hussong Mfg.'s barriers for this appliance.

Please refer to Section 8.3 Safety Barrier Installation on page 26 for installation and removal of safety barriers.



Starting Serial Number: 23 N34i01000 01

Hussong Mfg. Co., Inc. 11 Rev. 4 — January 2024

3.0 Existing Fireplace Requirements

3.1 Appliance Placement Considerations

WARNING: Due to high surface temperatures, the fireplace insert should be located out of traffic and away from furniture and draperies.

- This fireplace must be installed on a level surface capable of supporting the fireplace insert and venting.
- This fireplace insert may be installed in a bedroom.
- Please be aware of the large amount of heat this fireplace insert will produce when determining a location

3.2 Floor Support and Protection

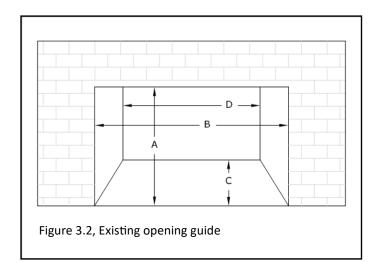
IMPORTANT: Adequate accessibility clearances for servicing and proper operation must be maintained.

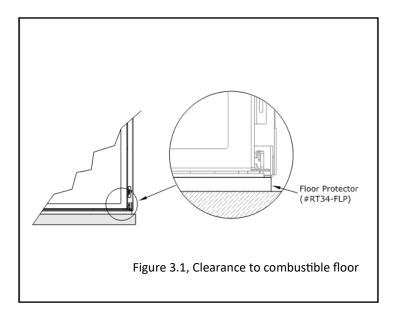
- Any smoke shelves, shields, and baffles may be removed if attached by mechanical fasteners. If necessary, remove firebrick to obtain at least the minimum opening requirements.
- Cutting of any sheet metal parts of the existing fireplace is prohibited.
- A gas line must be able to be installed to the fireplace insert. Please refer to Figure 2.1 on page 9. The gas line access hole is located on the left side of the insert.
- If the metal floor is removed, the insert must be placed directly on metal base of metal fireplace using the Kozy Heat Floor Protector Kit (#RT34-FLP).
- Mechanically attach 'THIS UNIT HAS BEEN MODIFIED' label at bottom of existing firebox so it will be visible if this gas fireplace insert is removed

3.2.1 Existing Fireplace Opening Minimum Requirements

If installing the #RT34-FLP, add 1/2" (12.7mm) (total dimension of floor protector) to the height (A) to maintain minimum opening clearances.

| (A) | Height | 23-3/4" (603mm) |
|-----|-------------|-----------------|
| (B) | Front Width | 34-1/8" (866mm) |
| (C) | Depth | 16-3/8" (419mm |
| (D) | Back Width | 24-1/8" (612mm) |





3.2.2 Chimney Specifications

WARNING: Any chimney clean-outs must fit properly.

This fireplace insert is to be installed into a solid fuel masonry or factory built non-combustible fireplace that has been installed in accordance with the national, provincial, state, and local building codes.

The existing chimney must be comprised of one of the following:

- Factory-built solid fuel chimney: 7" (178mm) minimum inside diameter
- Masonry chimney: 6" x 8" (152mm x 203mm) minimum inside diameter

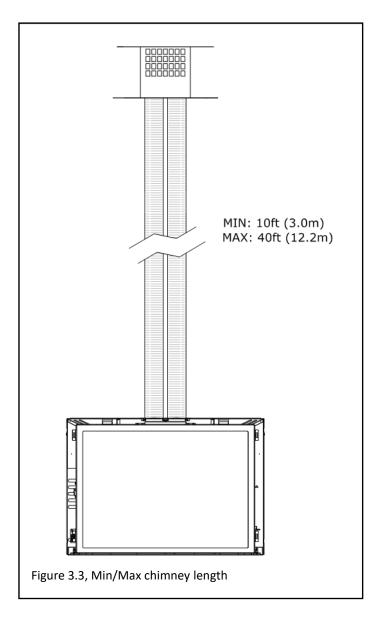
Existing chimney height:

Minimum: 10' (3.0m) Maximum: 40' (12.2m)

In certain circumstances where a chimney no longer terminates through the roof line, a co-linear to co-axial adapter may be installed where the existing chimney ends. After the adapter, the co-axial pipe must maintain 1" (25mm) clearance to combustibles on all sides of the vent pipe. Refer to Sections 4.2 (pg. 14) and 6.3 (pg. 18) for other co-linear to co-axial conversion considerations and requirements.

3.2.2.1 Determine Length of Existing Chimney

- 1. Remove and discard existing chimney cap.
- 2. NOTE: It is helpful to have two people complete this step. Position one person at the fireplace opening and another person at the top of the chimney.
- 3. Measure from the fireplace base to the top of the chimney.
- Subtract the height of the insert from the previous measurement.
- This is the total length of the co-linear flexible aluminum pipe required for your installation. If using Kozy Heat #816, cut to length.



Starting Serial Number: 23 N34i01000 01

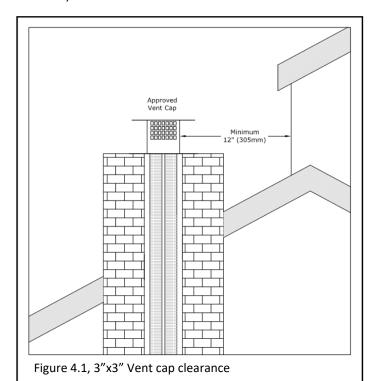
Hussong Mfg. Co., Inc. 13 Rev. 4 — January 2024

4.0 Termination Location

4.1 Chimney Vent Termination Clearances

WARNING: This appliance must not share or be connected to a chimney flue serving any other appliance.

 Approved vent caps require 12" (305mm) clearance to intersecting walls, overhangs or eaves as verified by test.

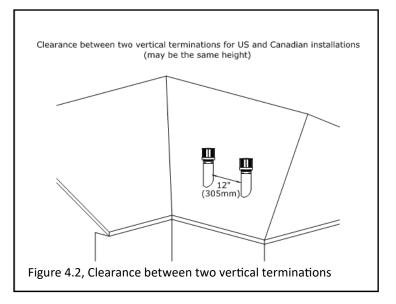


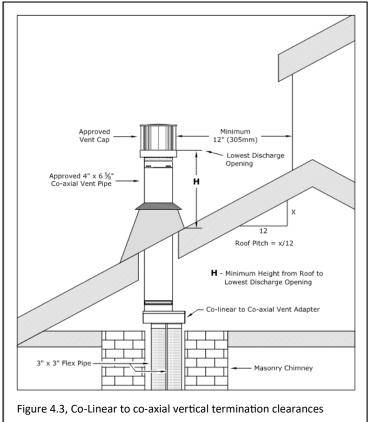
| Table 4.1, Minimum Vertical Termination Height (use with Figure 4.3) | | | |
|--|------------------------------|--------|--|
| | Minimum height (H) from roof | | |
| Roof Pitch | Feet | Meters | |
| Flat to 6/12 | 1.0 | 0.30 | |
| Over 6/12 to 7/12 | 1.25 | 0.38 | |
| Over 7/12 to 8/12 | 1.5 | 0.46 | |
| Over 8/12 to 9/12 | 2.0 | 0.61 | |
| Over 9/12 to 10/12 | 2.5 | 0.76 | |
| Over 10/12 to 11/12 | 3.25 | 0.99 | |
| Over 11/12 to 12/12 | 4.0 | 1.22 | |
| Over 12/12 to 14/12 | 5.0 | 1.52 | |
| Over 14/12 to 16/12 | 6.0 | 1.83 | |
| Over 16/12 to 18/12 | 7.0 | 2.13 | |
| Over 18/12 to 20/12 | 7.5 | 2.27 | |
| Over 20/12 to 21/12 | 8.0 | 2.44 | |

4.2 Co-Linear to Co-Axial Vent Terminations

WARNING: This appliance must not share or be connected to a chimney flue serving any other appliance.

 When combining co-linear and co-axial venting in a single venting system using an approved 4" x 6-5/8" adapter, use Figure 4.2, Figure 4.3, and Table 4.1 for proper termination clearances.





14 Rev. 4 — January 2024

NDK-34-i Report No. 22-779

Hussong Mfg. Co., Inc.

5.0 Installation Preparation

NOTE: This gas fireplace insert is approved for installation in masonry and factory-built solid fuel burning fireplaces.

ATTENTION: Any removed parts must be capable of reinstallation if this insert is ever removed. Removal of rivets or screws is acceptable.

5.1 Inspect and Clean Existing Chimney

- Verify existing chimney is constructed of noncombustible material.
- Verify existing chimney is clean and in good working order. Clean existing chimney and fireplace to prevent a creosote odor from entering the home.
- Verify combustible mantel and sidewall clearances comply with Section 8.1 Facing and Finishing Requirements on page 24.
- The refractory, glass doors, screen rails, screen mesh, and log grates may be removed from existing fireplace before installing this gas fireplace insert.

5.2 Flue Damper

 The fireplace flue damper can be fully blocked open, or removed for installation of this gas fireplace insert.
 Remove existing chimney cap distributor or the authority having jurisdiction for proper rating methods.

5.3 Gas Line

- A gas line must be able to be installed to the insert.
- If the factory-built fireplace has no gas access hole(s) provided, an access hole of 1½" (37.5 mm) or less may be drilled through the lower sides or bottom of the firebox in a proper workmanship like manner. The access hole must be plugged with noncombustible insulation after the gas supply line has been installed.
- Run gas line to the gas fireplace insert through the gas line hole provided. The gas access hole is located on the left side of the unit. Do not run gas line in a manner that would obstruct fan operation.
- If the gas fireplace insert is to be installed into minimum opening dimensions, the gas line may need to be run after appliance placement due to space limitations.

5.4 Electrical Wiring

- Provisions must be made to provide electrical power for appliance operation.
- See Figure 2.1 on page 9 for electrical outlet box location to run any necessary electrical wiring to the gas fireplace insert.

5.5 Fireplace Conversion

 Mechanically attach the label with the following warning to the bottom existing firebox so it will be visible if this gas fireplace insert is removed.

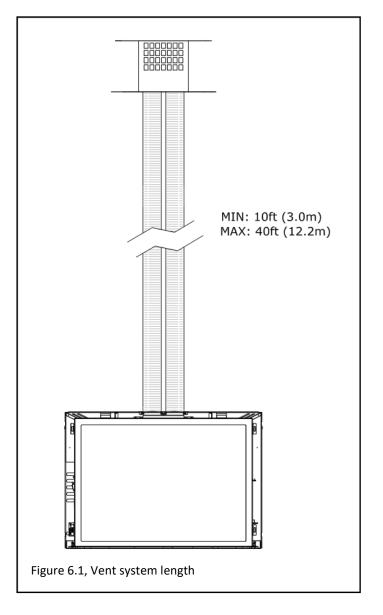
WARNING: This fireplace has been converted for use with a gas fireplace insert only and cannot be used for burning wood or solid fuels unless all original parts have been replaced, and the fireplace is re-approved by the Authority Having Jurisdiction.

6.0 Installation

6.1 Approved Vent Systems

- For use with minimum 6" x 8" I.D. masonry or 7" I.D. Class A metal chimneys
- This appliance is approved to combine co-linear and co-axial venting in a single venting system using an approved 4" x 6-5/8" adapter.
- Chimney specifications (Section 3.2.2 on page 13) must be adhered to when converting to co-linear to co-axial vent system. See section 6.3 Co-linear to Coaxial Combined Venting on page 18.

| Table 6.1, Approved Vent Systems 3x3 Vertical Co-Linear | | |
|---|----------------------|--|
| Vent Manufacturer | Vent Cap Part Number | |
| American Metal Products (Ameri- Vent) | DVCC33 | |
| BDM | 940033HWS | |
| | 940033 | |
| Simpson DuraVent | 46DVA-CL33H | |
| | 46DVA-CL33P | |
| ICC | CT3 | |
| | IVT | |
| Kozy Heat | 816-CAP | |
| Metal Fab | 4DVT33F | |
| Olympia | VDV-RCL33 | |



Hussong Mfg. Co., Inc. 16 Rev. 4 — January 2024

6.2 Kozy Heat #816 and #816-CAP

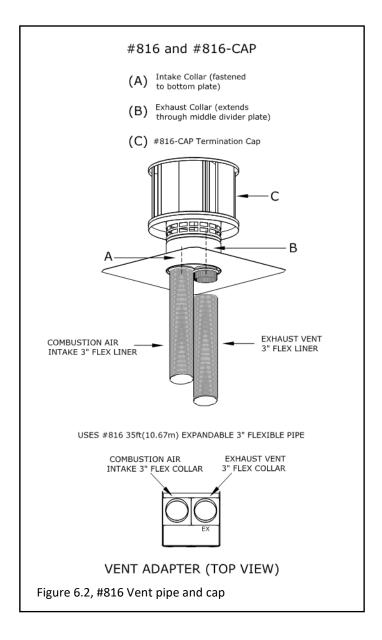
- #816 includes one roll of 35' (10.97 m) of expandable 3" flexible pipe.
- #816-CAP is (1) round termination cap.

IMPORTANT: Proper operation of this insert requires the exhaust pipe and combustion air pipe to be connected to their correct flue collar, on both the termination kit and the gas fireplace insert vent adapter.

 The fireplace insert exhaust flue collar is located on the right side. Install termination cap with the exhaust flue collar on the right side.

IMPORTANT: Maximum horizontal vent runs of 24" (609mm) require a 1" (25mm) rise per 12" (305mm) run. Care should be taken when installing the flexible vent pipes to avoid a tight bend that may cause abrasion or damage to the flexible pipes

- Measure the total chimney length required. If needed, carefully extend the pipes, and cut to the measured length.
- Slide the combustion air intake pipe over combustion air intake collar (A) and secure with (3) self-tapping screws (not provided).
- Place a bead of high temperature sealant around the base of the exhaust vent collar (B). Slide the exhaust pipe over the collar and into the high temperature sealant. Secure with (3) self-tapping screws (not provided). Mark the opposite end of the exhaust pipe for easy identification during the installation.
- 4. Complete vent system installation by following the instructions outlined in Sections 6.7 through 6.9.



Starting Serial Number: 23 N34i01000 01

Hussong Mfg. Co., Inc. 17 Rev. 4 — January 2024

6.3 Co-linear to Co-axial Combined Venting

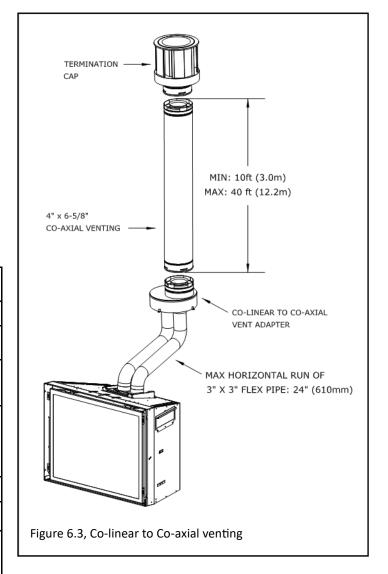
IMPORTANT: Maximum horizontal vent runs of 24" (609mm) require a 1" (25mm) rise per 12" (305mm) run. Care should be taken when installing the flexible vent pipes to avoid a tight bend that may cause abrasion or damage to the flexible pipes.

After the co-linear to co-axial vent adapter, the co-axial pipe requires a minimum of $1^{\prime\prime}$ (25mm) clearance to combustibles on all sides of the rigid pipe.

- Maximum horizontal run of 3" x 3" flexible pipe length: 24" (610mm)
- Minimum total combination of co-linear and coaxial vent pipe: 10' (3.05m)
- Maximum total combination of co-linear and coaxial vent pipe:

PROPANE: 40' (12.19m) NATURAL GAS: 40' (12.19m)

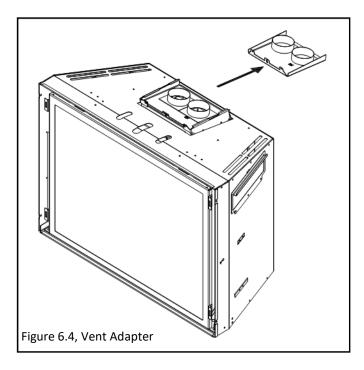
| Table 6.4, Approved Vertical Vent Systems Co-Axial with Adapter | | |
|---|----------------------|--|
| Vent Manufacturer | Vent Cap Part Number | |
| American Metal Products (Ameri-Vent) | 4DVC | |
| BDM | DVR6-VCLP | |
| | DVR6-VCH | |
| Simpson DuraVent | 46DVA-VCH | |
| | 46DVA-VC | |
| | 46DVA-VCE | |
| Metal Fab | 4DVT | |
| Olympia | VDV-VC04 | |
| Selkirk | 4DT-VT | |
| | 4DT-VC | |



Hussong Mfg. Co., Inc. 18 Rev. 4 — January 2024

6.4 Remove Vent Adapter

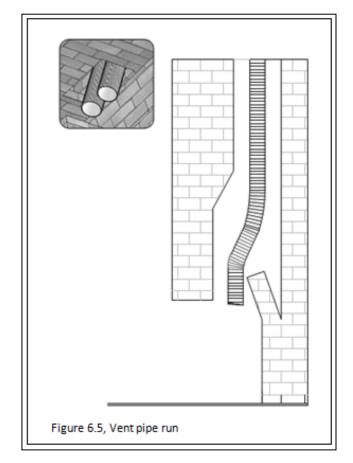
 Remove the vent adapter at the top of appliance by sliding the vent adapter back out of channels. Refer to the following instructions for vent system attachment to the vent adapter.



6.5 Run Vent System

NOTE: If offsets are present in existing chimney, place a weighted rope around the pipe ends to guide them through the chimney. DO NOT ATTEMPT TO TIE ONE ROPE AROUND BOTH PIPES.

- To prevent cold air drafts, Hussong Manufacturing recommends to insulate the 3" x 3" flexible vent pipes and chimney using unfaced insulation products listed as noncombustible per ASTM E 136
- OPTIONAL: Before installing vent system down through the chimney, place unfaced insulation around the first 3' (914mm) of vent system below termination cap. Secure with wire.
- 2. Install the 3" x 3" flexible pipes down through existing chimney. Guide ropes (if used) to aid installation.
- To secure chimney termination cap to chimney, apply a liberal bead of sealant (not provided) around the top of the chimney and secure.
- From inside the existing fireplace, carefully pull ropes (if used) or the flexible pipes down until both exhaust pipe and combustion air intake are into the existing fireplace firebox.
- OPTIONAL: To prevent heat loss up chimney, place unfaced insulation products listed as noncombustible per ASTM E 136 between the 3" x 3" flexible vent pipes and chimney.



Hussong Mfg. Co., Inc. 19 Rev. 4 — January 2024

6.6 Connect Vent Pipe to Vent Adapter

IMPORTANT: Proper operation of this insert requires the exhaust pipe and combustion air pipe to be connected to their correct flue collar, on both the termination kit and the gas fireplace insert vent adapter.

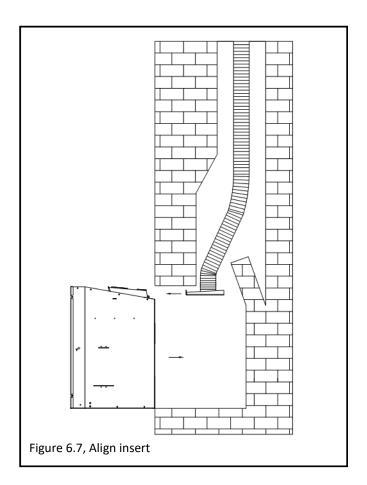
- 1. Place previously removed vent adapter into existing fireplace opening.
- Connect one vent pipe to exhaust collar on vent adapter. Apply a bead of sealant (not provided) around exhaust pipe and slide inside collar marked 'Exhaust.' Secure with (3) ½" (13mm) self-tapping screws (not provided). Apply additional sealant around joint to ensure an airtight seal.
- Connect one vent pipe to intake collar on vent adapter. Apply a liberal bead of sealant around intake collar on vent adapter. Slide combustion intake pipe over the collar and secure with provided (3) ½" (13mm) self-tapping screws. Apply additional sealant around joint to ensure an airtight seal.
- 4. Visually check vent pipe connection to vent adapter.

FLEXIBLE PIPES VENT ADAPTER SHEET METAL SCREWS (3 TOTAL) SEALANT

Figure 6.6, Vent pipe connection to vent adapter

6.7 Place and Secure Appliance

- Slide the gas fireplace insert into existing fireplace opening until the channels on top of the appliance are aligned with the vent adapter.
- Insert the vent adapter pull rod through access slot at the top of appliance and place latch tool hook through the hole in pull rod. Simultaneously push the gas insert into existing fireplace and pull the vent adapter forward until seated.
- Secure vent adapter to appliance by using slots at the top of the appliance to secure with (2) ½" (13mm) sheet metal screws (included in components packet).
- Use the latch tool to push the pull rod back to starting position. Remove latch tool. Verify vent system connection.
- If necessary, level the gas insert by threading leveling bolts (included in components packet) into nuts at the bottom of the insert (2 each side). Verify appliance is properly positioned.



Starting Serial Number: 23 N34i01000 01

Hussong Mfg. Co., Inc. 20 Rev. 4 — January 2024

6.8 Outdoor Covered Fireplace Installation

An outdoor covered fireplace installation allows a fireplace to be installed in an outdoor covered area, where the appliance is protected from direct precipitation.

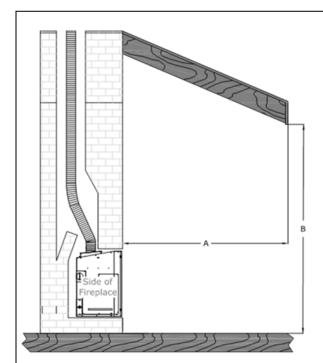
Follow the instructions and illustrations for installation procedures. Drawings are for reference only and your fireplace may look different than shown.

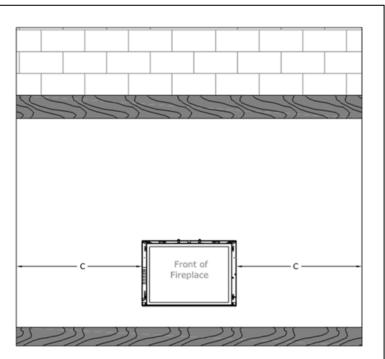
6.8.1 Safety Screen Barriers

Hussong Mfg. highly recommends to use black painted safety barriers in outdoor installations. Other screen barriers that incorporate a plated or patina finish are highly susceptible to oxidation and discoloration.

6.8.2 Requirements

- The continuous insulated building envelope and weatherproof membrane is not to be interrupted by fireplace installation. See Figure 6.8.
- Fireplace operation is approved from 40°F to 110°F.
- All wiring connections shall be in accordance with outdoor requirements of NECA NFPA 70.
- All clearances and requirements in this manual must be adhered to.





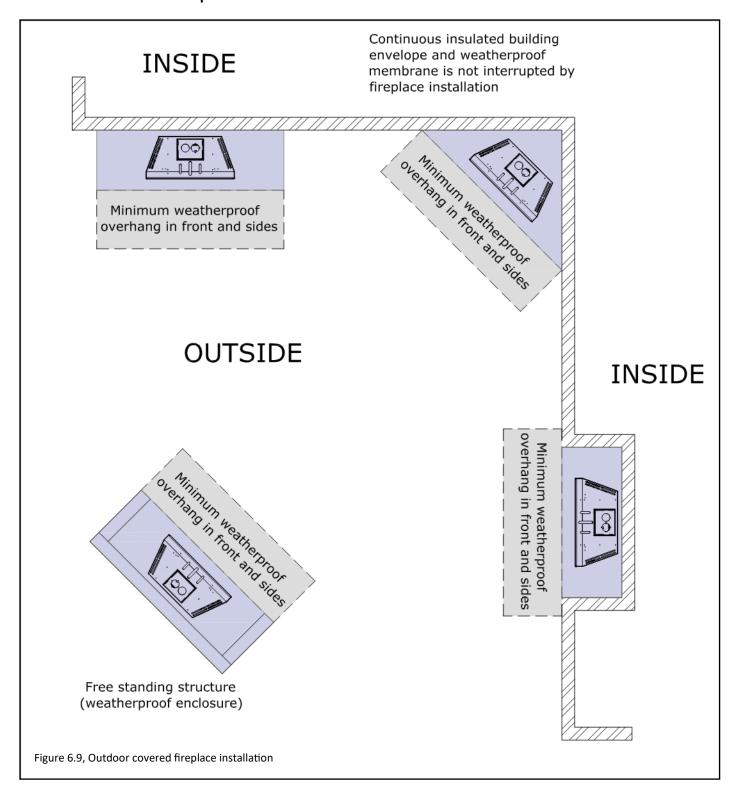
The overhang (A) must be a minimum of 1/2 or greater of the roofline elevation (B) above the base of the fireplace.

The width of the overhang to each side of the appliance (C) must be a minimum of 1/2 or greater of the roofline elevation (B) above the base of the fireplace.

Example: If the roofline (B) is 10' above the base of the fireplace, the overhang (A) must be 5' or greater and the width of the overhang to each side of the fireplace (C) must be 5' or greater.

Figure 6.8, Outdoor covered fireplace installation

6.8.3 Outdoor Covered Fireplace Installations



Hussong Mfg. Co., Inc. 22 Rev. 4 — January 2024

7.1 Gas Conversion

ATTENTION: The conversion shall be carried out in accordance with the requirements of the provincial authorities having jurisdiction and in accordance with the requirements of the ANSI Z223.1 installation code.

 This fireplace is manufactured for use with natural gas. Follow the instructions included with the conversion kit if converting to Propane.

7.2 Gas Line Installation

CAUTION: Installation of the gas line must only be done by a qualified person in accordance with local building codes, if any. If not, follow ANSI 223.1. Commonwealth of Massachusetts installations must be done by a licensed plumber or gas fitter.

NOTE: The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at pressures in excess of ½ psi (3.5 kPa). For test pressures equal to or less than ½ psi (3.5 kPa), the appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve.

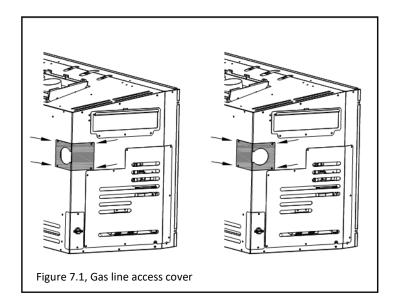
- A listed (and Commonwealth of Massachusetts approved)½" (13mm) tee handle manual shut-off valve and flexible gas connector are to be connected to the ½" (13mm) control valve inlet. If substituting for these components, please consult local codes for compliance.
- If installing this insert into minimum opening dimensions, the gas line may need to be run after placement due to space limitations. See Section 3.0 Existing Fireplace Requirements on page 12.
- This fireplace is equipped with a 3/8" (10 mm) x 18" (457 mm) long flexible gas connector and manual shut-off valve.
- Run gas line into fireplace, preferably through the left gas line hole provided. See Figure 2.1, Appliance Dimensions on page 9. The gas line should be run to the point of connection where the shut-off valve and flexible gas line will connect.
- Do not run gas line in a manner that would obstruct fan operation.
- For high altitude installations, consult the local gas distributor or the authority having jurisdiction for proper rating methods.

| Table 7.1, Inlet Gas Supply Pressures | | | |
|---------------------------------------|---------------------------------|-------------------|--|
| | Natural Gas | Propane | |
| Minimum Pressure | 5" WC (1.25kPa) | 12" WC (2.99 kPa) | |
| | 7" WC (1.74 kPa) recommended | | |
| Maximum Pressure | 10" WC (2.49 kPa) | 13" WC (3.24 kPa) | |

7.2.1 Gas Line Access Position

The gas line access hole cover may be positioned to run the gas line through the left side or through the back.

- Remove (4) screws securing the gas line access hole cover.
- 2. Follow Figure 7.1 for positioning the gas line access hole cover necessary for your installation.



8.0 Facing and Finishing

8.1 Facing and Finishing Requirements

IMPORTANT: Adequate accessibility clearances for servicing and proper operation must be maintained.

8.1.1 Adjacent Sidewall Requirements

- The adjacent sidewall minimum clearance is 4" (102mm) from the appliances sides. See Figure 8.1.
- Minimum clearances to a combustible mantel leg is 1-1/2" (38mm). See Figure 8.2.

8.1.2 Clearance to Ceiling

As shown in Figure 8.1, the minimum clearance from the fireplace enclosure floor to the ceiling is 55" (1397mm).

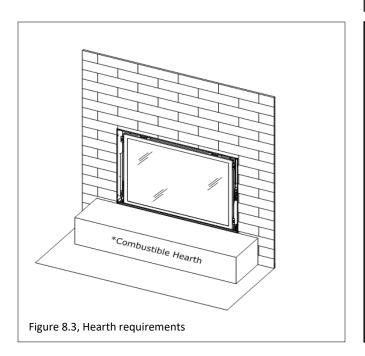
8.1.3 Mantel Requirements

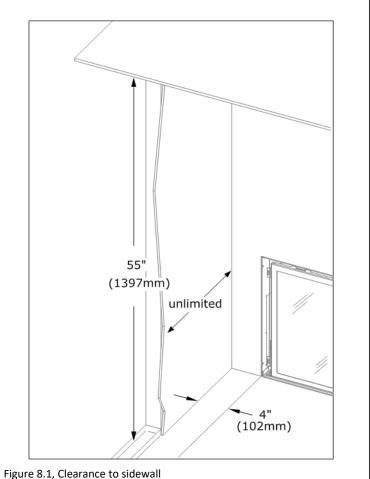
WARNING: All minimum clearances to combustible material MUST be maintained.

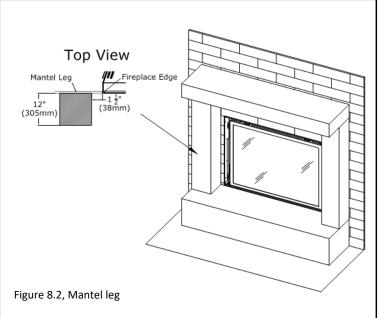
- Combustible Mantel Projections: As referenced in Figure 8.4 (page 25) the optional 3/4" (19mm) trim can start at 6-1/2" (165mm) above the top of the appliance with a 9" (229mm) mantel starting at 10" (254mm) above the top of the appliance. Mantel projections can increase 1" (25mm) of depth for every 1" (25mm) of height starting at the 6" (152mm) mantel.
- Non-combustible Mantel Projections: As referenced in Figure 8.4 (page 25). A minimum vertical clearance of 6" (152mm) above the appliance to a maximum 6" (152mm) depth of a non-combustible mantel. Follow projection 1'' (25mm) up for every 1'' (25mm) deeper.

8.1.4 Hearth Requirements

Hearth can be made of combustible materials as long as it is in front of the fireplace and flush. Hearth must be flush or less than the fireplace floor.

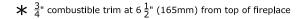


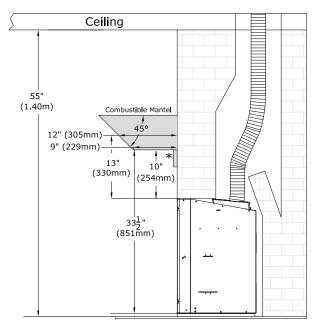




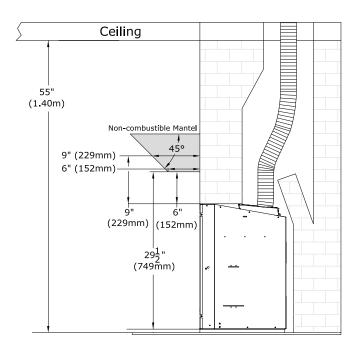
24 Hussong Mfg. Co., Inc. Rev. 4 — January 2024

NDK-34-i Report No. 22-779





Combustible mantel projection is shown above



25

Figure 8.4, Mantel Requirements

8.2 Shroud Installation

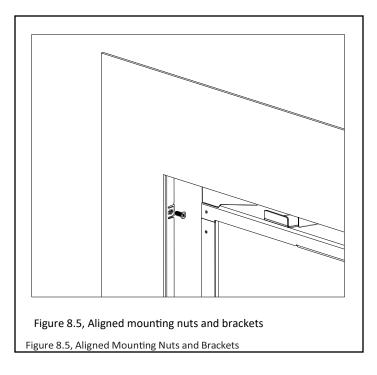
CAUTION: Trim panels or surrounds must not seal ventilation openings in existing fireplace that this appliance is installed in. Draft relief openings must not be covered or blocked.

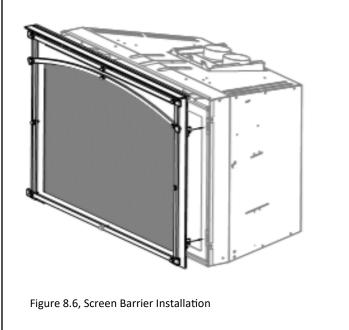
WARNING: The flow of combustion and ventilation air must not be obstructed.

- 1. Remove Glass frame assembly.
- Align leg section holes on the shroud to the corresponding mounting nuts in mounting brackets on each side of the insert metal cabinet.
- 3. Secure with (4) phillips truss head screws (provided).
- 4. Reinstall glass frame assembly.

8.3 Safety Barrier Installation

- 1. Locate the (4) slots on the glass frame (2 on each side).
- 2. Align the tabs located on the back of the safety barrier with the slows on the glass frame.
- 3. Raise the safety barrier slightly into the slots and allow the tabs to lower into position.
- To remove safety screen; lift the screen up and out of slots.





Hussong Mfg. Co., Inc. 26 Rev. 4 — January 2024

9.0 Gas Fireplace Insert Setup

9.1 Glass Assembly

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

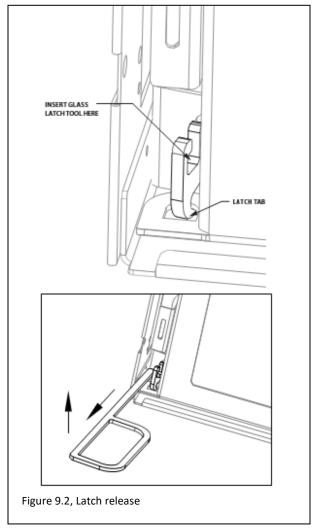
9.1.1 Remove Glass Assembly

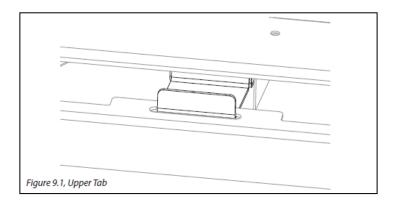
WARNING: Do not remove the glass assembly when hot.

- 1. Locate (2) spring-loaded latches securing the glass assembly at the bottom of the firebox.
- Using the glass latch tool (included in components packet), pull the bottom latches out and up to release glass frame assembly latch tabs.
- 3. Lift glass assembly up and off of the (2) tabs located at the top of the firebox.

9.1.2 Install Glass Assembly

- Align the slots on top of the glass assembly over the tabs at the top of the firebox while lowering the bottom of the glass assembly into position.
- 2. Using the glass latch tool, pull latches out and down over latch tabs to secure glass frame assembly bottom.





Hussong Mfg. Co., Inc. 27 Rev. 4 — January 2024

9.2 Light Kits

CAUTION: Disconnect all electrical power from the fireplace before performing this task.

ATTENTION: If converting to propane, complete the conversion before installing any light kit components. Follow instructions provided with the conversion kit (sold separately).

NOTE: To avoid damage and prolong the life of the halogen bulbs, never touch with bare hands. Always use a soft cloth when handling.

9.2.1 Install Light Bulbs—Front Bottom Light Kit

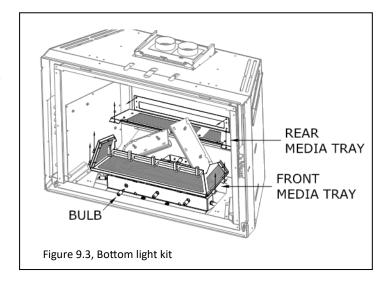
- 1. Remove the safety barrier and glass frame assembly.
- Remove log set, crushed glass media, and lava rock (if installed).
- 3. Remove and retain (4) screws from the log rack/ember media tray. Lift tray up and out of firebox
- Install (5) halogen bulbs (included in components packet) into the lamp bases.
- Reinstall log rack/media tray using screws previously removed.
- 6. Reinstall all components previously removed.

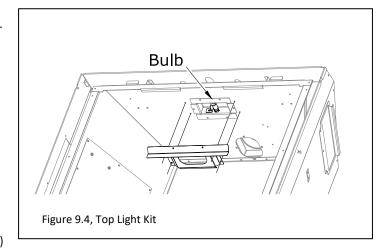
9.2.2 Install Light Bulbs—Back Bottom Light Kit

- Halogen bulb is preinstalled from the factory. See instructions below for bulb replacement.
- 1. Remove the safety barrier and glass frame assembly.
- Remove log set, crushed glass media, and lava rock (if installed).
- Remove and retain (4) screws from the log rack/media tray. Lift tray up and out of firebox.
- Remove and retain (2) 7/16" nuts from the front light kit, remove light kit.
- 5. Loosen (2) 7/16" nuts for left and right burners. Remove burners.
- 6. Remove and retain (8) screws from the back media tray. Remove media tray.
- 7. Install (1) halogen bulb (included in components packet) into the lamp base
- 8. Reinstall all components previously removed

9.2.3 Install Light Bulb—Top Light Kit

- Halogen bulb is preinstalled from the factory. See instructions below for bulb replacement.
- 1. Remove the safety barrier and glass frame assembly.
- 2. Remove the light kit cover and roped glass (4) screws.
- 3. Install (1) halogen bulb (included in components packet) into the lamp base.
- Reinstall all components previously removed.





9.3 Panel Installation

 If converting to propane, complete the conversion before installing any refractory or black glass panels. Follow instructions included with the kit.

BEFORE INSTALLATION:

- Remove the safety screen barrier, glass assembly, log set, crushed glass media, and lava rock (if installed).
- 2. Remove media tray/log rack (4 screws).
- Remove (2) 7/16" nuts securing light kit, move light kit aside to gain access to 7/16" nuts securing the left and right burners.
- 4. Loosen (2) 7/16" nuts securing burners. Remove burners.
- 5. Locate the (2) screws in the top front of the firebox and locate the (2) refractory clips shipped with the panels. These clips are shipped flat. Separate clips and bend the metal fingers at a 90° angle.

9.3.1 RT34-CB900, RT34-L900, RT34-BB900, RT34-HB900

- Install the back panel by positioning it into the lip at the back of the firebox.
- 2. Install side refractory by sliding top of panel up and into position. The front of the panel will sit on top of the refractory panel spacer. Secure with panel clips previously bent (Figure 9.6).
- 3. Reinstall all components previously removed.

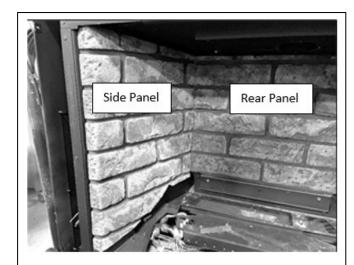


Figure 9.5, Refractory panel installation

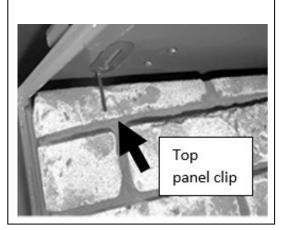


Figure 9.6, Top panel clip

9.3.2 RT34-BG900

- Remove (4) screws securing existing bottom refractory panel spacers, Retain screws, discard spacers.
- 2. Install the back panel by positioning it into the lip at the back of the firebox.
- Install side refractory by sliding top of panel up and into position. Slide bottom of refractory until tight to side of firebox. Secure side refractory with bottom panel clips (included in kit) using (4) saved screws (Figure 9.7).
- 4. Install top refractory clips previously bent (Figure 9.6).
- 5. Reinstall all components previously removed.

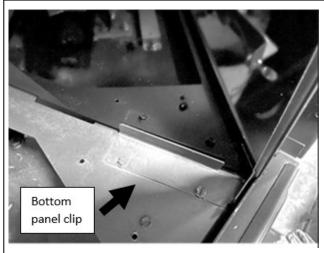


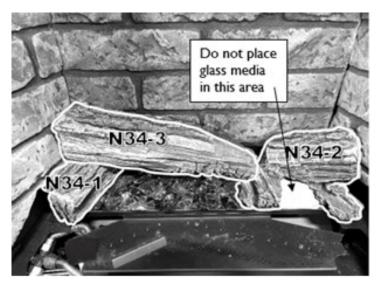
Figure 9.7, Black glass bottom panel clip

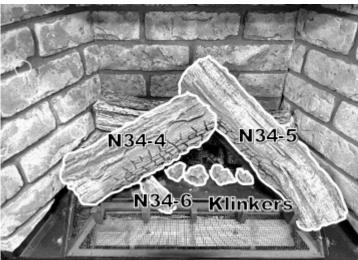
9.4 #NK34-500 Log Set Installation

CAUTION: Do not place logs or klinkers directly over burner port holes. Improper log and klinker placement may affect flame appearance and may cause excessive soot to build upon the glass.

- If converting to propane, complete the conversion before installing the log set. Follow the conversion instructions included with the kit.
- Log numbers located on the bottom of each log. Refer to the following instructions and illustrations for proper placement.
- Remove media tray/log rack (4) screws. Remove (2) screws securing light kit, set light kit to the side. Loosen (2) 7/16" nuts securing left and right burners. Remove burners.
- Install refractory panels. Follow instructions included with the kit.
- Place log #N34-1 and log #N34-2 on corresponding pins on burner (not shown). Be sure to place N34-1 and N34-2 logs BEFORE placing glass media. Logs must lie flat on media tray and burners. Failure to do so will negatively affect the flame.

- 4. Fill back media tray with crushed glass media
- Place log # N34-3 onto log # N34-1 aligning hole in the bottom of log # N34-3 with the corresponding pin on log #N34-1.
- Reinstall left burner assembly pushing it towards center until it stops against the rear burner, then secure. Repeat this process with the right burner assembly.
- 7. Reinstall light kit and media tray/log rack.
- Install log #N34-4 and #N34-5 aligning holes in bottom of logs with corresponding pins on burners.
- Place log #N34-6 and Klinkers on burner ensuring burner ports are not covered.
- 10. Fill front media tray with crushed glass media. Fill void on either side of media tray with lava rock.
- 11. Place log #N34-7 along log rack.
- 12. Place Klinkers on crushed glass media on front media tray.
- 13. Use a stiff or steel bristle brush to distribute rockwool embers onto the burner and logs. Use ONLY up to ½ the bag, save the rest for later use.



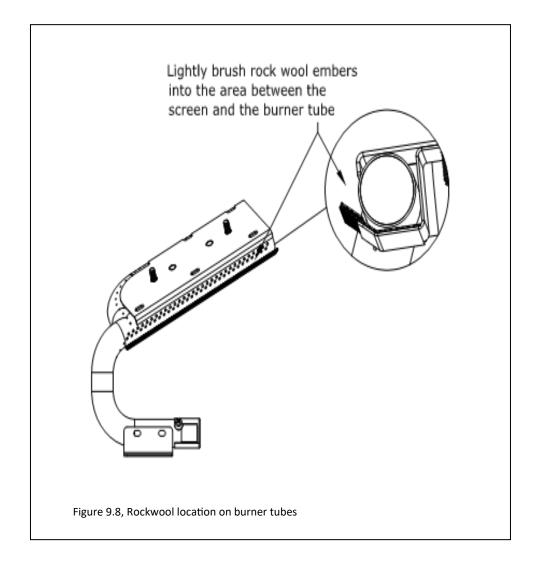




Hussong Mfg. Co., Inc. 30 Rev. 4 — January 2024

9.4.1 Rockwool Installation

- After installation of the log set you can apply rockwool across logs N34-4, N34-5, left & right burner screen and rear burner. See Figure 9.8 for clarification of left and right burner screen.
- Use a small brush to brush the rockwool across the locations referenced above. Rockwool will provide a glow as the fireplace operates.
- DO NOT place the rockwool in excessively large pieces that would block large sections of burner ports. Excessive use of rockwool that blocks burner porting can create undesired flame characteristics and/or a possible delayed ignition.
- Make sure no rockwool is blocking the pilot flame or around the pilot assembly.



Hussong Mfg. Co., Inc. 31 Rev. 4 — January 2024

9.5 Control Board Removal and Installation

WARNING: If burner and/or pilot have been burning, use appropriate protection to avoid burns or damage to personal property before removing any components. DO NOT OPERATE THIS APPLIANCE WITHOUT THE SEALING GASKET (LOCATED UNDER THE CONTROL BOARD) IN PLACE. IF GASKETING IS DAMAGED, IT MUST BE REPLACED.

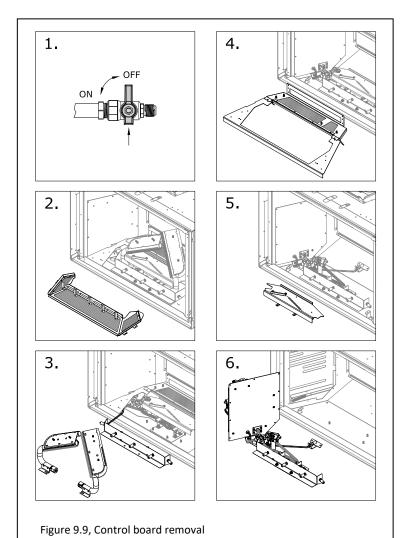
CAUTION: Check all connections for leaks with soapy water, whether field or factory made

9.5.1 Control Board Removal

- Disconnect electrical power. Locate the main shut-off valve upstream of the appliance connector and close valve.
- 2. Remove the log rack/media tray.
- 3. Remove front light kit (2) 7/16" nuts. Loosen (2) 7/16" nuts to remove left and right burner assemblies.
- 4. Remove rear burner assembly (2) screw.
- 5. Remove rear burner assembly.
- Remove (10) screws securing the control board on the left side of the firebox. Loosen 7/16" nut securing control board arm.
- Pull out control board out to reveal gas line to disconnect the gas line flex tube from fireplace valve.

9.5.2 Control Board Installation

- Place control board on the left side of the firebox and reconnect gas line to fireplace valve.
- Verify sealing gasket is in place. Secure board with (10) screws previously removed. Tighten 7/16" nut securing control board arm.
- 3. Reinstall rear burner assembly.
- Reinstall left burner assembly pushing it towards center until it stops against the rear burner, then secure. Repeat this process with the right burner assembly. Tighten previously loosened screws. Reinstall front light kit with (2) 7/16" nuts previously removed.
- 5. Reinstall log rack/media tray.
- 6. Reconnect electrical power.
- 7. Verify proper log placement, operation of fireplace, and any electrical components



Hussong Mfg. Co., Inc. 32 Rev. 4 — January 2024

10.0 Electrical Information

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

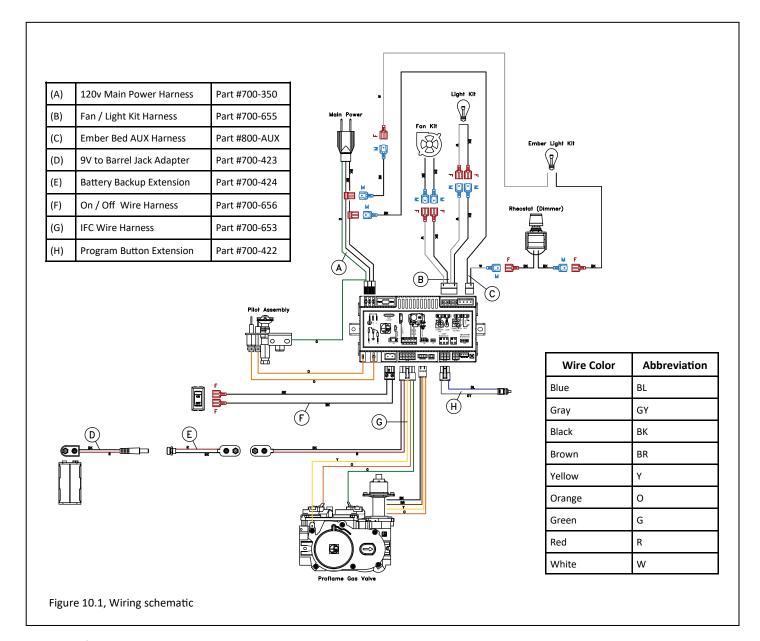
WARNING - Electrical Grounding Instructions: This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

10.1 Electrical Specifications

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

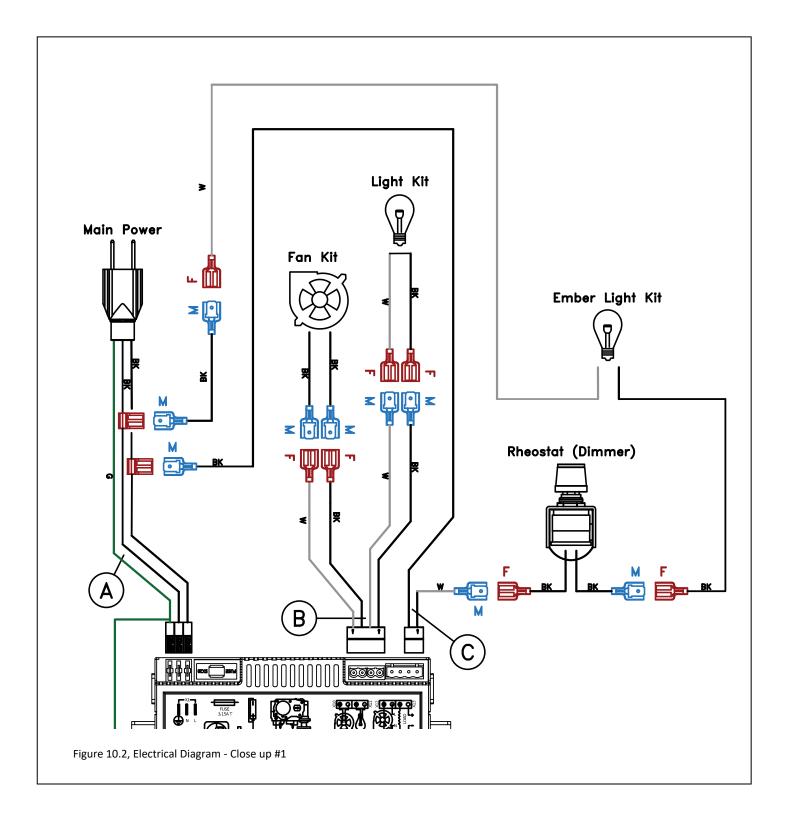
10.2 Wiring Requirements

- The system requires 120 VAC of electricity and/or batteries to operate.
- Using the battery backup will operate flame modulation of the burner.
- Fan and light components will not function on battery back up power.

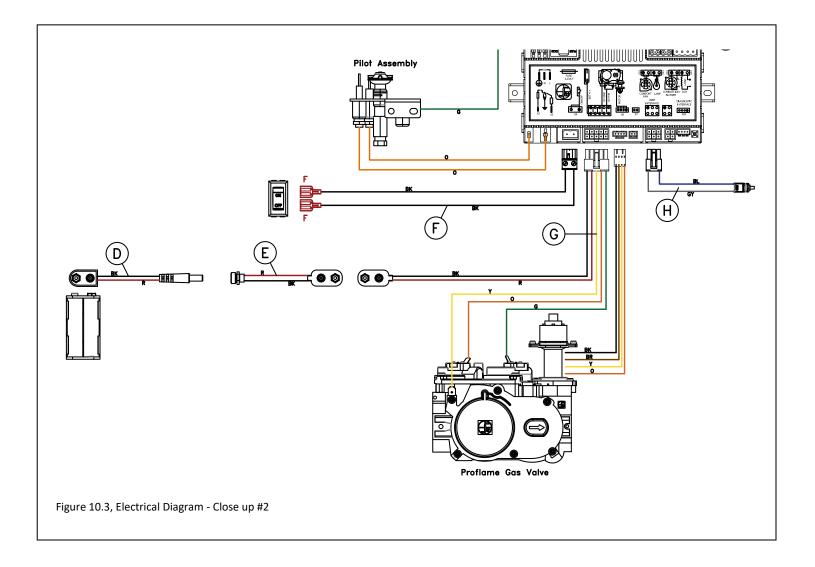


Hussong Mfg. Co., Inc. 33 Rev. 4 — January 2024

• Figure 10.2 shows a close up of the wiring diagram. This figure shows the main power cord, fan kit, top light kit, and ember bed light kit.



• Figure 10.3 shows a close up of the wiring diagram. This figure shows the pilot assembly, on / off rocker switch, battery back -up, valve, and remote learn button



11.0 Operating Instructions

FOR YOUR SAFETY READ BEFORE OPERATING

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

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Do <u>not</u> try to light the pilot by band.
- BEFORE OPERATING smell around the appliance area for gas.
 Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- · Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Ímmediately call your gas supplier from a neighbor's phone.

Follow the gas supplier's instructions.

- If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the gas control manual valve. Never use tools. If the valve will not turn by hand, do not try to repair it; call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control that has been under water.

WARNING

Do not operate appliance with the glass front removed, cracked, or broken. Replacement of the glass should be done by a licensed or qualified service person.

Under no circumstances should any solid fuel (wood, coal, paper, cardboard, etc.) be used in this appliance.

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

CAUTION

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

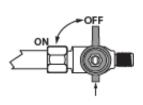
Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at risk individuals in the house. To restrict access to a fireplace or stove,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

OPERATING INSTRUCTIONS

- STOP! Read all the safety information above on this page.
- Press the wireless remote OFF button.
- Turn off all electric power to the appliance.
- This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
- Locate the manual valve installed by your qualified service technician.
- Turn the manual valve clockwise to the OFF position.
- Wait five (5) minutes to clear out any gas. Then, smell for gas, including near the floor. If you smell gas, STOP! Follow 'B' in the safety information above. If you do not smell gas, go to the next step.
- Turn the manual valve counterclockwise to the ON position.

- 9. Turn on all electric power to the appliance.
- Press the wireless remote ON button.
- If the appliance will not operate, follow the instructions, "To Turn Off Gas To Appliance" and call your service technician or gas supplier.





Starting Serial Number: 23 N34i01000 01

TO TURN OFF GAS TO APPLIANCE

- Press the wireless remote OFF button.
- Turn off all electric power to the appliance if service is to be performed.
- Locate the manual valve installed by your qualified service technician.
- Turn the manual valve clockwise to OFF position.

NOTE

When this fireplace is initially lit, condensation will appear on the glass. This is normal in all gas fireplaces and will disappear after several minutes. A paint smell will occur during the first few hours of burning. It is recommended to leave the fan off during this period to help speed the paint curing process.

This fireplace may produce noises of varying degree as it heats and cools due to metal expansion and contraction. This is normal, and does not affect the performance or longevity of the fireplace.

Hussong Mfg. Co., Inc. 36 Rev. 4 — January 2024

11.1 Setup Proflame 2 IFC Module

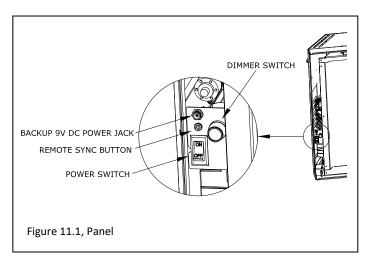
- Set the main ON/OFF rocker switch in the OFF posi-
- Install (4) AA batteries (not included) into backup battery holder on the control module.
- Install (3) AAA batteries (included in the components packet) in the remote control battery bay, located at the base of the remote.
- Connect the IFC Module to an AC power supply.

11.2 Initialize the Control System

IMPORTANT: Remove all packaging and combustible material from the firebox before initializing the control sys-

NOTE: Performing the next steps will initiate pilot startup in manual mode, where the pilot igniter will spark repeatedly. The pilot will ignite if gas is supplied to the fireplace.

- To access the ON/OFF toggle switch and remote learn button on the left side of the unit, remove the safety barrier screen by lifting up and out of its slots.
- Locate the remote sync button on the control module access switch on the left side of the fireplace.
- Press the remote sync button. The IFC module will BEEP (3) times and illuminate an amber LED. This indicates the receiver is ready to synchronize with the transmitter.
- Within (5) seconds, push the ON/OFF button on the remote control. The receiver will BEEP (4) times to indicate the transmitter's command is accepted, and is set to the transmitter's particular code. The pilot will automatically ignite.
- Press the remote control ON/OFF button again. The pilot will extinguish, confirming the remote control command. The control system is now initialized.
- Set the main ON/OFF rocker switch to ON position for remote control operation of the main burner and fireplace features. Reinstall safety barrier screen.



11.3 Reset the System for Manual Operation

- 1. Access the toggle switch and remote learn button on the left side of the unit by removing the safety barrier screen by lifting up and out of its slots.
- Set the ON/OFF rocker switch to OFF position.
- Press and hold the remote sync button until it emits (3) beeps and an amber LED is illuminated.
- Within (5) seconds, press the remote sync button again. This will close synchronization with the remote control. The pilot will automatically light.
- Turn the main burner ON by setting the ON/OFF switch in ON position. The main burner will only operate on HI.
- Turn the main burner OFF by setting the ON/OFF switch in the OFF position. The pilot will remain lit even if burner is turned off, provided CPI mode is turned on.

11.4 Automatic Safety Turn-off

- This system will execute an automatic turn OFF command for approximately (5) seconds within (24) hours of a continued pilot flame ignition to perform a safety check. This allows the system to verify correct safety functions.
- After the turn OFF sequence is completed, the IFC module will re-execute the latest command.

11.5 Backup Battery Operation

This appliance will operate on the backup battery pack when electric power is interrupted, or in a power outage. During the power outage, the appliance burner and flame height adjustment will function. The fan and accent light kit will not function.

- The lifespan of the backup batteries depend on various factors, such as the quality of the batteries, number of ignitions, etc.
- When the backup battery pack is low, the IFC module will emit a double-beep while receiving an ON/OFF command. No commands will be accepted after this alert until the back up batteries are replaced. Once replaced, the IFC module will emit a 'beep' as soon as it is powered.
- See the figure 11.1 & 11.2 on how to plug in the battery backup into the inlet port.



Figure 11.2, Back-up Battery Pack

Hussong Mfg. Co., Inc.

11.6 Control System 7 Day Timeout

- If you have your Proflame 2 system set to CPI (continuous pilot ignition) with 7 consecutive days without ignition of the main burner, the pilot will turn off. This a standard safety feature of the SIT Proflame 2 system.
- Once you turn CPI on, the 7 day timer will start. If at any time during the following 7 days your main burner ignites, it will reset the timer back to 7 days.
- See section 11.9.3 PILOT IGNITION SELECTION (page 38) for more information.

How to check if your system is set to CPI: The LCD screen will display the snowflake icon.

To select the preferred pilot ignition feature,

- With the system in the OFF position, press the mode key to index the CPI mode icon.
- 2. Press the up arrow key to activate CPI.
- 3. Press the down arrow key to return to IPI. A single 'beep' will confirm reception of the command.

To Turn ON the appliance

 With the system in the OFF position, press the remote control ON/OFF key to turn ON the appliance.
 A single 'beep' will emit from the IFC module to confirm reception of the command.

The LCD screen will display all active icons, and the IFC module will start the ignition sequence.

11.7 IFC Module Ignition Sequence

The IFC module will try (2) times for ignition, each lasting approximately (60) seconds, with approximately (35) seconds between each attempt.

- With the system in OFF position, press the remote control ON/OFF key. Approximately (4) seconds after this key is depressed, the IFC module will generate sparks to the pilot hood.
- First ignition attempt will generate sparks for (60) seconds.
- If there is no flame ignition (rectification) within the (60) second time frame, the IFC module will stop generating sparks for approximately (35) seconds.
- After (35) seconds of wait time, the IFC module will generate sparks for another (60) seconds for the second ignition attempt.
- If there is no positive rectification after (60) seconds, the IFC module will go into a lock out. The red LED will blink (3) times, in intervals, until the system is reset.

11.7.1 Reset IFC Module after Lockout

11.7.1.1 ON/OFF Rocker Switch

- Set the ON/OFF rocker switch to the OFF position.
- After approximately (2) seconds, move the switch to the ON position. The ignition sequence will start again.

11.7.1.2 Remote Control ON/OFF Key

- Press the remote control ON/OFF key to turn the system OFF.
- After approximately (2) seconds, press the ON/OFF key again. The ignition sequence will start again.

11.7.1.3 Cycling Flame

- Press the remote control down arrow key during flame adjustment mode to reduce the flame to OFF (indicated by OFF displayed on the LCD screen).
- 2. After approximately (2) seconds, press the up arrow key. The ignition sequence will start again.

11.8 Additional Diagnostic Information

Low Battery Condition (<4V) Remote Control:

- Battery Icon will appear on LCD remote control display.
- Replace batteries.

Low Battery Condition (<4V) Battery Backup:

- The red LED Indicator will blink (1) time in intervals.
- A low double-beep emits from the IFC control module when it receives an ON/OFF command from the remote control.
- Replace Batteries.

Pilot Flame Error Condition:

Red LED Indicator will blink (2) times in intervals. Contact your dealer if this occurs.

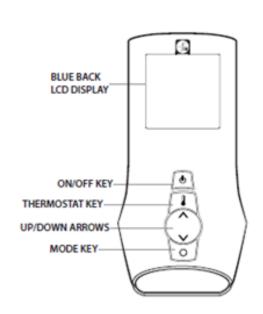
System Lock Out Condition:

- Red LED Indicator will blink (3) times in intervals.
- Verify gas is turned on.
- Verify sensor is not shorted.
- Follow section 11.2, INITIALIZE THE CONTROL SYSTEM on page 35.

Hussong Mfg. Co., Inc. 38 Rev. 4 — January 2024

11.9 Remote Control Operation

PROFLAME 2 TRANSMITTER



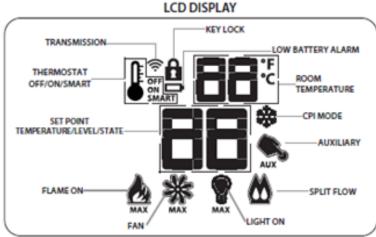


Figure 11.3, Remote control overview

11.9.1 Temperature Display

- With the system in the OFF position, simultaneously press the thermostat key and the mode key to change degrees from °F to °C
- Visually check the LCD screen to verify either °F or °C is displayed on the right side of the room temperature display.





Figure 11.4, Temperature Display

11.9.2 Key Lock

This function locks the keys to avoid unsupervised operation. Once activated, a lock icon will appear on the LCD screen.

 Simultaneously press the mode key and the up arrow key to activate or deactivate this function.



Figure 11.5, Key Lock

11.9.3 Pilot Ignition Selection (IPI/CPI)

This system has the option of a continuous (standing) pilot. This features allows the system to change from a spark-to-pilot system to the standing pilot option. The standing pilot will keep the firebox warm and establish a draft in the vent, which allows the main burner to ignite with less airflow disruption.

When the system is OFF, the LCD screen will display the snowflake icon during the setup of either IPI or CPI mode. To select the preferred pilot ignition feature,

- With the system in the OFF position, press the mode key to index the CPI mode icon.
- 2. Press the up arrow key to activate CPI.
- 3. Press the down arrow key to return to IPI. A single 'beep' will confirm reception of the command.

When the system is ON,

IPI mode: LCD screen will not display the snowflake icon CPI mode: LCD screen will display the snowflake icon



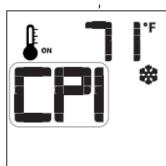


Figure 11.6, Pilot Selection

11.9.4 Turn ON the Appliance

 With the system in the OFF position, press the remote control ON/OFF key to turn ON the appliance. A single 'beep' will emit from the IFC module to confirm reception of the command.

The LCD screen will display all active icons, and the IFC module will start the ignition sequence.

11.9.5 Turn OFF the appliance

 With the system in the OFF position, press the remote control ON/OFF key to turn ON the appliance. A single 'beep' will emit from the IFC module to confirm reception of the command.

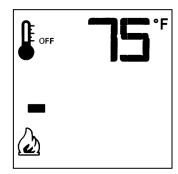
The LCD screen will only display the room temperature and its icon, and the IFC module will turn off the main burner.

11.9.6 Remote Control Flame Adjustment

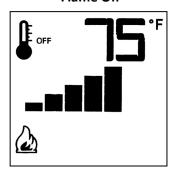
This control system has (6) flame levels. If the smart thermostat operation is activated, then the manual adjustment of the flame height will be disabled.

- Verify the system is in the ON position and the flame level is set at maximum.
- Press the down arrow key once to reduce flame height by one level until the flame is turned off.
- Press the up arrow key once to increase flame height by one step. If the up arrow key is pressed while the system is on, but the flame is off, the flame will ignite on HI.
- 4. A single 'beep' will confirm reception of the command.





Flame Off



Flame Level 1



Flame Level 5

Flame Level Maximum

Figure 11.7, Flame Adjustment

11.9.6.1 Deactivate Flame Modulation

- Verify all (3) AAA batteries are installed in the remote control battery bay.
- 2. Remove (1) AAA battery.
- 3. Press and hold the on/off key and the mode key at the same time.
- 4. Reinsert (1) AAA battery.
- While still holding the on/off key, let go of ONLY the mode key.
- Index over to the flame graphic on the LCD screen to edit. Use the up or down arrow key to choose 'SEL' or 'CLR'. "SEL" means flame modulation is turned on and "CLR" means flame modulation is turned off.





Figure 11.8, Deactivate Flame Modulation

11.9.7 Remote Control Thermostat Operation

11.9.7.1 Room Thermostat

The remote control can operate as a room thermostat. The thermostat can be set to a desired temperature to control a room's comfort level. To activate this function,

- Press the thermostat key. The LCD screen will display a temperature bulb graphic, the room temperature and set temperature.
- To adjust the set temperature, press the up or down arrow keys until the desired temperature is displayed on the LCD screen.

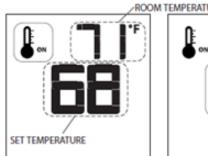




Figure 11.9, Thermostat Operation

11.9.7.2 Smart Thermostat

The smart thermostat function will adjust the flame height based on the set temperature and the actual room temperature. The smart thermostat function automatically adjusts the flame down when the room temperature reaches the set point. To activate this function,

- Press the thermostat key until the 'SMART' appears on LCD screen on the right side of the temperature bulb graphic.
- To adjust the set temperature, press the up or down arrow keys until the desired temperature is displayed on the LCD screen.





Figure 11.10, Smart Thermostat Operation

11.9.7.3 Deactivate Remote Control Thermostat Operation

The thermostat operation function can be deactivated. The remote control will still operate the main burner on and off, and function flame, fan, and light modulation. To deactivate this function,

- Verify all (3) AAA batteries are installed in the remote control.
- Remove (1) AAA battery.
- While reinserting the battery, push and hold the thermostat key. You will see "CLR" across the screen. This means the thermostat function is turned off. The temperature bulb graphic will not be displayed on the LCD screen.
- To reactivate remote thermostat operation, follow the same key sequence procedure above. The screen will then say "SEL" which means the thermostat function is turned on. The temperature bulb graphic will reappear on the LCD screen.





Starting Serial Number: 23 N34i01000 01

Figure 11.11, Deactivate Thermostat Operation

Hussong Mfg. Co., Inc. 41 Rev. 4 — January 2024

11.9.8 Fan Speed Control

Fan speed can be adjusted through (6) speeds. To activate this function,

- 1. Press the mode key to index to the fan control icon.
- Press the up or down arrow keys to turn on, off, or to adjust fan speed.

Thermostat mode: Fan(s) have a (5) minute delay time when the fireplace is lit. This allows time for heat to build in fireplace before fan operation. The fan will continue to operate for approximately (12) minutes after the fireplace has been turned off.

Manual mode: Fan(s) will operate at previous setting. There is no delay in start up or stop time.



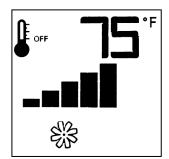


Figure 11.12, Fan adjustment

11.9.8.1 Deactivation Fan Speed Control

Fan speed can be adjusted through (6) speeds. To activate this function,

- 1. Verify all (3) AAA batteries are installed in the remote control battery bay.
- 2. Remove (1) AAA battery.
- Press and hold the on/off key and the mode key at the same time.
- 4. Reinsert (1) AAA battery.
- While still holding the on/off key, let go of ONLY the mode key.
- Index over to the fan control icon on the LCD screen to edit. Use the up or down arrow key to choose 'SEL' or 'CLR'.





Figure 11.13, Speed Control Deactivation

11.9.9 Top Accent Light Kit

The top light intensity can be adjusted through (6) levels.

- Press the mode key to index to the light icon.
- Press the up or down arrow keys to adjust the intensity level.
- A single 'beep' will confirm reception of the command.



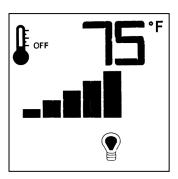


Figure 11.14, Top Light Kit

11.9.9.1 Deactivation Light Kit Modulation

- 1. Verify all (3) AAA batteries are installed in the remote control battery bay.
- 2. Remove (1) AAA battery.
- 3. Press and hold the on/off key and the mode key at the same time.
- Reinsert (1) AAA battery.
- While still holding the on/off key, let go of ONLY the mode key.
- Index over to the bulb graphic on the LCD screen to edit. Use the up or down arrow key to choose 'SEL' or 'CLR'





Figure 11.15, Light Kit Deactivation

Hussong Mfg. Co., Inc. 42 Rev. 4 — January 2024

11.9.10 Ember Bed Light Kit (auxiliary)

The auxiliary function controls ON/OFF function the ember bed light kit. To activate this function,

- 1. Press the mode key to index to the AUX icon.
- Press the up arrow key to turn the ember bed light kit ON.
- Press the down arrow key to turn the ember bed light kit OFF.
- 4. A single 'beep' will confirm reception of the command.



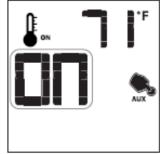


Figure 11.16, Ember Bed Light Kit

11.9.10.1 Adjust Ember Bed Light Kit Intensity (after turning "ON")

The ember bed light kit intensity can be adjusted by using the ember bed light kit modulator knob located on the left side of the firebox (FIGURE 11.17). To adjust,

- Remove the safety barrier screen by lifting the screen up and out of the slots.
- Turn the knob counterclockwise to decrease the light intensity.
- 3. Turn the knob clockwise to increase the light intensity.
- 4. Reinstall safety barrier screen when finished.

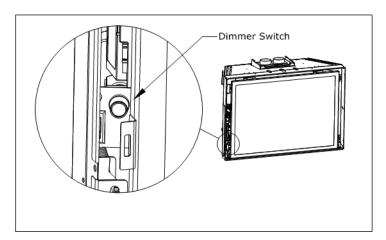
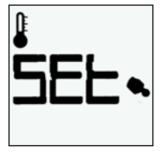


Figure 11.17, Ember Bed Dimmer Switch

11.9.10.2 Deactivation AUX (Ember Bed Light Kit)

- 1. Verify all (3) AAA batteries are installed in the remote control battery bay.
- 2. Remove (1) AAA battery.
- Press and hold the on/off key and the mode key at the same time.
- 4. Reinsert (1) AAA battery.
- 5. While still holding the on/off key, let go of ONLY the mode key.
- Index over to the hand graphic on the LCD screen to edit. Use the up or down arrow key to choose 'SEL' or 'CLR'.





Starting Serial Number: 23 N34i01000 01

Figure 11.18, Deactivate AUX

11.9.11 Remote Control Low Battery Detection

Remote control battery lifespan depends on various factors including battery quality, number of ignitions, changes to room thermostat set point, etc.

- When the remote control batteries are low, a battery icon will appear on the LCD display before all battery power is lost.
- When the batteries are replaced, this icon will disappear.



Figure 11.19, Low Battery

Hussong Mfg. Co., Inc. 43 Rev. 4 — January 2024

12.0 Pressure Testing and Burner Adjustments

12.1 Pressure Testing

NOTE: The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 psi (3.5 kPa).

IMPORTANT: Pressure check taps for manifold (outgoing) and inlet (incoming) pressure have been incorporated into the valve. The pressure tap marked OUT measures outgoing pressure. The pressure tap marked IN measures incoming pressure.

12.1.1 Inlet Pressure Test

NOTE: Make sure to apply these incoming pressure test with all other gas appliances on, or at full capacity, in the house for proper pressure reading.

IMPORTANT: If the inlet pressure reading is too high or too low, contact the gas company. Only a qualified gas service technician should adjust incoming gas pressure.

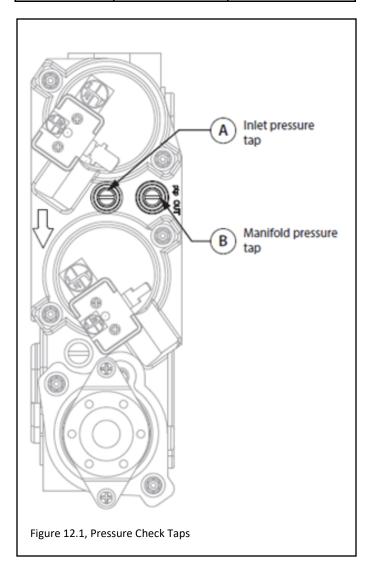
- Loosen the inlet (IN) pressure tap by turning screw counter-clockwise. See (A) in FIGURE 12.1.
- 2. Attach manometer using a 1/4" (6mm) I.D. hose.
- Light pilot and burner. Check pressure to ensure it is between the minimum and maximum recommended pressure settings (TABLE 12.1).
- 4. Turn off burner and pilot.
- Disconnect hose and tighten the inlet (IN) pressure tap by turning screw clockwise. Screw should be snug. Do not over tighten.
- 6. Relight pilot and burner. Then reattach manometer to the inlet pressure tap (A) to verify the tap is completely sealed. Manometer should read no pressure.

12.1.2 Manifold Pressure Test

- 1. Light pilot.
- 2. Loosen manifold (OUT) pressure tap by turning screw counter-clockwise. See (B) in FIGURE 12.1.
- Attach manometer to pressure tap using a 1/4" (6mm) I.D. hose.
- 4. Light burner. Check manometer reading. Refer to TABLE 12.2.
- 5. Turn burner and pilot off.
- Disconnect manometer hose and tighten the manifold (OUT) pressure tap by turning screw clockwise. Screw should be snug. Do not over tighten.
- Attach the manometer to the manifold pressure tap (B) to verify it is completely sealed. The manometer should read no pressure when pilot and burner are on.

| Table 12.1 Inlet Pressures | | | |
|----------------------------|---|-------------------------------|--|
| Fuel | Natural Gas | Propane | |
| Gas Supply | Min-Max | Min-Max | |
| Inlet Pressure Tap (A) | 5" - 10.0" WC (1.25—2.49 kPa) 7" WC (1.74 kPa) recommended | 12"-13" WC (2.99—3.24 kPa) | |

| Table 12.2 Manifold Pressures | | | |
|-------------------------------|-----------------|-----------------|--|
| Fuel Natural Gas Propane | | | |
| Gas Supply | Low—High | Low—HIgh | |
| Inlet Pressure | 1.1" - 3.8" WC | 2.9" - 11" WC | |
| Tap (B) | (0.27—0.95 kPa) | (0.72—2.74 kPa) | |



Hussong Mfg. Co., Inc. 44 Rev. 4 — January 2024

12.2 Flame Appearance Adjustment

WARNING: To avoid property damage or personal injury, allow the fireplace ample time to cool before making any adjustments.

Burner flame appearance and characteristics are affected by altitude, fuel quality, venting configuration, and other factors. After installation, this appliance may need additional adjustments to achieve optimum flame appearance and visual aesthetics.

12.2.1 Burner Venturis

WARNING: VENTURI ADJUSTMENT MUST BE DONE BY A QUALIFIED SERVICE TECHNICIAN.

NOTE: Burner venturi air shutter settings have been factory set. Refer to TABLE 12.3.

When this appliance is first lit, the burner flames will appear blue. During the first 15 minutes of operation, flame appearance will gradually turn to the desired yellow appearance. If the flames remain blue or become dark orange with evidence of sooting (black tips), adjustment of the air shutter opening may be necessary.

Regardless of venturi orientation, closing the air shutter will achieve a desired yellow flame, but may produce soot on the glass. Opening the air shutter will cause a short, blue flame that may lift off the burner.

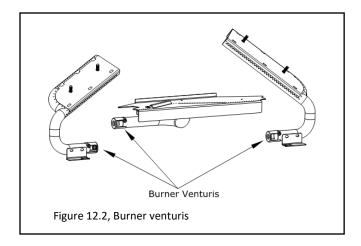
12.2.2 Venturi Opening Adjustments

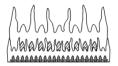
IMPORTANT: Slight adjustments to the venturi opening will create dramatic results. Adjust at slight increments until desired look is achieved.

- 1. Remove the safety barrier, glass frame assembly, glass media, and lava rock (if installed).
- 2. Remove media tray.
- Loosen the screw on burner venturis and adjust as necessary. Re-tighten screws.
- 4. Reinstall all components previously removed.

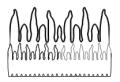
| Table 12.3 Factory Set Venturi Openings | | | |
|---|-------------|-------------|--|
| Fuel Natural Gas Propane | | | |
| Left Burner | 1/8" (3mm) | 5/16" (8mm) | |
| Right Burner | 1/8" (3mm) | 5/16" (8mm) | |
| Rear Burner | 5/8" (16mm) | 5/8" (16mm) | |

| Table 12.4 Flame Appearance Venturi Adjustment | | | | |
|--|---|---|--|--|
| Flame Characteristics Cause Solution | | | | |
| Dark, orange flame with black tips | Venturi closed too far | Open venturi slightly | | |
| Short, blue flames | Venturi open too far | Close setting slightly | | |
| Lifting (ghosting) flames | Gas pressure too high and/or venturi closed too far | Check manometer settings and/or open venturi setting slightly | | |

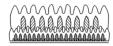




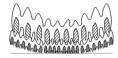
Lazy, yellow flames-no adjustment necessary (Ideal Flame Appearance)



Dark, orange flames with black tips (Venturi closed too far. Open venturi slightly)



Short, blue flames (Venturi open too far. Close venturi slightly)



Lifting (ghosting) flames
(Venturi closed too far. Open venturi slightly)
OR
(Gas pressure too high-check with manometer)

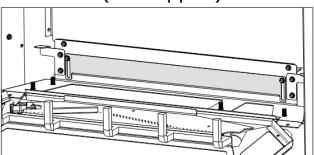
Figure 12.3, Flame appearance and characteristics

12.3 Air Intake Restrictor Positioning

- To adjust the air restrictor, loosen the two screws securing the restrictor.
- To position of the restrictor is closed for natural gas and open for propane.

Natural Gas

Intake Restrictor in closed position (as shipped)



Propane

Intake Restrictor in open position

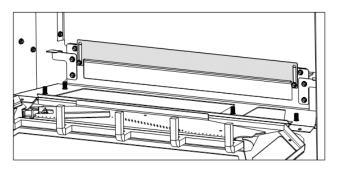


Figure 12.4, Air intake restrictor plate

13.0 Troubleshooting

ATTENTION: Troubleshooting must be performed by a qualified technician.

Before proceeding with the steps in the following troubleshooting guide,

- Verify proper 120VAC power supply to the control module.
- Verify the control module back-up battery pack and the remote control batteries are fresh and installed with correct polarity.
- Verify inlet pressure meets the recommended inlet pressure. If necessary, adjust line pressure regulator.
- Verify the communication link is established between the remote control and the IFC module.
- Verify all connections between the wire harnesses and the system components are proper and positive.

| Issue | Cause | Solution |
|---|--|---|
| Pilot will not light | Electrical power interrupted or disconnected | Restore electrical power to appliance or use battery back-up |
| | Wiring disconnection | Ensure batteries are fully charged if using battery back- up as power source. |
| | | Use wiring schematic in this manual to determine that all wiring connections are secure and correct. |
| | Gas supply turned off | Check remote shut-off valves from the appliance. Usually there is a valve near the main gas line. There may be more than (1) valve between the appliance and main gas line. |
| Pilot will not stay lit | No propane in tank | Check propane tank. Refill if necessary. |
| | Low gas pressure | Consult a plumber or gas supplier Can be caused by situation such as a bent line, too narrow diameter or pipe, or a low line pressure |
| | Pilot adjustment screw not sealed | Seal pilot adjustment screw. Do not over-tighten. |
| | Pilot flame not making contact with the flame rectification sensor on the pilot assembly | Verify the pilot envelopes the top of the flame sensor and extends far enough onto the burner for ignition |
| Pilot flame always on, or will not extinguish | Control system set to CPI mode. | Set control system to IPI mode. |

Hussong Mfg. Co., Inc. 47 Rev. 4 — January 2024

| Issue | Cause | Solution |
|-----------------------------|---|--|
| Burner flame will not light | ON/OFF rocker switch in OFF position | Switch rocker switch to ON position. |
| | Gas supply turned off | Check for multiple shut-offs in the supply line. Verify gas supply is turned on. |
| | Low gas supply | Consult with plumber or gas supplier. |
| | | Check propane tank. Refill if necessary. |
| | Wiring disconnection or improper wiring | Check for faulty or incorrect wiring. Refer to FIG- URE 10.1, WIRING SCHEMATIC on page 33. |
| | Plugged burner orifice | Remove blockage. |
| | Pilot flame | Verify the pilot flame is properly directed to ignite burner. See pilot flame troubleshooting in this section. |
| | Remote control not working | Replace Batteries. |
| | No call for heat | Verify remote control is powered ON and thermostat operation is turned OFF. |
| Pilot and burner extinguish | No propane in tank | Check propane tank, Refill if necessary. |
| while in operation | Incorrect glass assembly installation | Refer to section 9.1, GLASS ASSEMBLY on page 27. |
| | Incorrect vent cap installation | Adjust if necessary. |
| | Vent cap blockage | Remove debris if necessary. |
| | Improper pitch on horizontal venting | 1/4" (6mm) rise for ever 12" (305mm) of travel is required on horizontal venting. |
| | Exhaust vent pipe leaking exhaust gases back into firebox | Check for leaks and repair if necessary. |
| Soot appears on glass | Improper log placement | Refer to section 9.4, LOG SET INSTALLATION on page 30. |
| | Improper venturi settings | Venturi air shutters may need to be opened slightly to allow more air into the gas mix. Refer to section 12.2.1, BURNER VENTURIS on page 43. |
| | Incorrect vent cap installation | Adjust if necessary. |
| | Vent cap blockage | Remove debris if necessary. |

| Issue | Cause | Solution |
|--------------------------------|--|---|
| Flame burns blue and lifts off | Improper venturi setting | The venturi air shutter may need to be |
| burner | | close slightly to allow less air into the gas mix. Refer to section 12.2.1, BURNER VEN- TURIS on page 43. |
| | Incorrect vent cap installation | Adjust if necessary. |
| | Blockage or leakage of the vent system | Check the vent pipes for leaks and the vent cap for debris. Repair the vent pipes or remove debris from vent cap, if necessary. |
| No reaction to command | Battery backup batteries or remote control batteries low | Replace the batteries. |
| | No communication between remote control and control module | Reprogram remote control to IFC module |
| | A maximum number of failed ignitions or flame restorations has been reached. | Reset IFC module |

14.0 Maintenance

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

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

14.1 Firebox

Performed by: Qualified Service Person

Frequency: Annually

Action:

- Vacuum and clean any debris in the firebox that is not supposed to be there.
- Inspect and operate the bottom latch assembly. Verify the assembly is free from obstruction to operate. The handles must have spring tension but be able to move forward freely

14.2 Fan

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

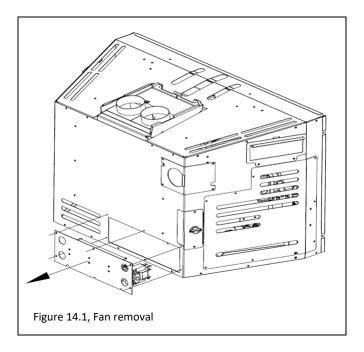
Performed by: Qualified Service Person **Frequency:** Annually

Action:

- Disconnect the fan from electrical current and vacuum.
- The bearings are sealed and require no oiling.

14.2.1 Fan Kit Removal

- Disconnect electrical power.
- 2. Remove the safety barrier screen and shroud.
- 3. Disconnect the vent system from the appliance.
- 4. Slide the insert out of the existing structure to gain access to the rear of the fireplace.
- Remove the (6) screws securing the fan plate from the fireplace. See Figure 14.1 Pull the fan plate towards you and disconnect the wiring. Connect wiring to the new replacement fan kit and install in reverse order.
- If you need to replace the fan kit wiring, follow the instructions for control board removal in the fireplace manual.
- 7. Install in reverse order.



14.3 Vent System

NOTE: If the vent-air intake system is disassembled for any reason, reinstall per instructions provided with installation. Refer to **Section 6.0 on page 16.**

Performed by: Qualified Service Person **Frequency**: Annually **Action**:

- Examination of the vent system is required.
- Inspect the condition of vent and vent terminal for sooting or obstruction and correct if present.
- The flow of combustion and ventilation air must not be obstructed.

14.4 Glass Assembly

CAUTION: Do not operate appliance with the glass assembly removed, cracked, or broken. Use protective gloves to handle any broken or damaged glass assembly components.

WARNING: Do not use substitute materials.

WARNING: Avoid striking or slamming glass assembly. Avoid abrasive cleaner. DO NOT clean glass while it is hot.

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

Performed by: Homeowner

Frequency: Annually

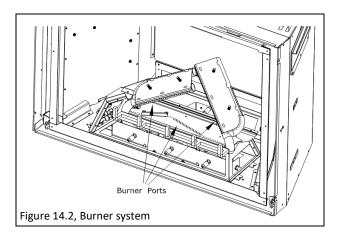
Action:

- Prepare a work area large enough to accommodate the glass assembly on a flat, stable surface.
- Remove safety screen and glass frame assembly.
- Clean glass window with a suitable fireplace glass cleaner using a soft cloth. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.
- Reinstall glass assembly and safety screen. Do not operate fireplace without safety screen.

Performed by: Qualified Service Person

Frequency: Annually Action:

- Clean glass window with a suitable fireplace glass cleaner using a soft cloth. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning.
- Inspect the glass for cracks, scratches, and nicks.
- Verify the glass assembly is properly intact and not damaged.
- Replace the glass and the assembly #701-032T as necessary.
- Only Hussong Mfg. Co., Inc. will supply the replacement of glass assembly as a complete unit.



14.5 Burner and Pilot System

The burner assembly may be removed for easier access to the control compartment. See Section 9.5 Control Board Removal and Installation on page 32 for instructions.

Verify gas supply is turned on and filled. Consult with plumber or gas supplier as necessary.

Performed by: Qualified Service Person

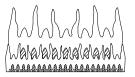
Frequency: Annually

Action:

- Vacuum all components of the burner system.
- Check all accessible gas-carrying tubes, connections, pipes and other components for leaks.
- Inspect the operation of the flame safety system Pilot or Flame rectification device. Visually check pilot light when in operation.
- Inspect and ensure the lighting of the main burner occurs within (4) seconds of the main gas valve opening. Check for faulty or incorrect wiring and correct or replace as necessary. Inspect primary air openings (burner ports) for blockage, especially near the pilot.
- Visually check burner flame pattern when in operation.
 Flames should be steady, not lifting or floating.
- Test and measure the flame failure response time of the flame safety system. It must de-energize the safety shutoff in no more than (30) seconds.



Correct Pilot Flame Appearance



Lazy, yellow flames-no adjustment necessary (Ideal Flame Appearance)

Figure 14.3, Correct pilot and burner flame appearance

15.0 Replacement Parts List

Replacement parts are available through your local dealer. Contact your local dealer for availability and pricing. The following warning is for replacement parts for this appliance.

WARNING: This product can expose you to chemicals including Lead, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

| Control Board and Parts | | | | |
|---|-----------|--|--|------------|
| S.I.T. Complete Board Assembly — Natural Gas | NK34-150 | | S.I.T. Conversion Kit — Natural Gas | NCK-NK34-S |
| S.I.T. Complete Board Assembly — Propane | NK34-151 | | S.I.T. Conversion Kit — Propane | LCK-NK34-S |
| S.I.T. IPI Gas Valve — Natural Gas | 700-567 | | Natural Gas —Valve Stepper Motor (50% Turndown) | 700-504 |
| S.I.T. IPI Gas Valve — Propane | 700-567-1 | | Propane—Valve Stepper Motor (50% turndown) | 700-504-1 |
| Proflame 2 IFC Module | 700-652 | | Burner Orifice — #48 (Left and Right) - Natural Gas | 700-248 |
| IFC Wire Harness Assembly | 700-653 | | Burner Orifice — #55 (Rear) - Natural Gas | 700-255 |
| Main Line Power Wire Harness | 700-350B | | Burner Orifice — #1.20mm (Left and Right) - Propane | 700-120M |
| ON/OFF Wire Harness | 700-656 | | Burner Orifice — #68 (Rear) - Propane | 700-268 |
| Fan Receptacle / Light Kit Wire Harness | 700-655 | | Left Burner Assembly | NK34-350 |
| Ember Bed AUX Harness | 800-AUX | | Right Burner Assembly | NK34-351 |
| Programm Button Extension | 700-422 | | Rear Burner | NK34-035 |
| 9V to Barrel Jack Adapter | 700-423 | | Left Burner Rockwool Screen | NK34-350S |
| Backup Battery Extension | 700-424 | | Right Burner Rockwool Screen | NK34-351S |
| S.I.T. IPI Pilot Assembly—Natural Gas | 700-551 | | 26" Flare x Brazed Fitting | 700-226F |
| S.I.T. IPI Pilot Assembly —Propane | 700-551-1 | | 7" Flare x Brazed Fitting | 700-223F |
| S.I.T. Transmitter (Remote Control) | 700-408 | | 15" Flare x Brazed Fitting | 700-227F |
| Pilot Orifice—Natural Gas #62 | 700-166 | | 36" Black Flex Tube | 700-236B |
| Pilot Orifice—Propane #35 | 700-168 | | | |

| Glass and Glass Parts | | |
|-------------------------------------|----------|--|
| Glass with Gasket—21-1/2" x 29 7/8" | 700-032T | |
| 1 1/8" Glass Gasket with Adhesive | 900-006 | |
| Replacement Valance | RT34-005 | |

| Safety Barriers | | |
|-----------------------------|-----------|--|
| Arched Mission Screen Front | RT34A-MSF | |
| Prairie Screen Front | RT34-PSF | |
| Rectangular Screen Front | RT34-RSF | |

| Additional Components | | |
|-----------------------------------|--|--|
| Glass Latch Tool JOR-GLT | | |
| Manual Gas Shut-off Valve 700-203 | | |

| Fan Kit | |
|---------|----------|
| Fan Kit | NK34-028 |

| Light Kits | |
|--------------------------------|----------|
| 20W Halogen Bulb | 600-676 |
| Light Kit—Ember Bed | NK34-LKT |
| Light Kit—Top | NK34-TLK |
| 1.5lb. Ember Bed Crushed Glass | 600-697 |

| Shrouds | |
|-------------------------------|-----------|
| Blank Shroud (4 pc.) | RT34-004 |
| 4 Sided Blank Shroud (4 pack) | RT34-008 |
| 27" x 40" Shroud (1 piece) | RT34-2740 |
| 30" x 44" Shroud (1 piece) | RT34-3044 |
| 33" x 46" Shroud (1 piece) | RT34-3346 |
| Custom Shroud | RT34-CUS |
| Custom Arched Shroud | RT34-ACUS |

| Log Set | |
|---------------------|----------|
| Traditional Log Set | NK34-500 |
| Log #1 | NK34-1 |
| Log #2 | NK34-2 |
| Log #3 | NK34-3 |
| Log #4 | NK34-4 |
| Log #5 | NK34-5 |
| Log #6 | NK34-6 |
| Log #7 | NK34-7 |

Limited Lifetime Warranty

Warranty Coverage

Hussong Manufacturing Company, Inc. (Hussong Mfg.) warrants this Kozy Heat gas appliance from the date of purchase to the original purchaser, that it is free of defects in materials and workmanship at the time of manufacture. Registering your fireplace warranty does not require any documents to be sent in to Hussong Mfg. Please retain your proof of purchase reflecting the date of purchase along with the serial number and model of your fireplace for any future warranty claims.

If a defect is noted within the warranty period, the customer should contact their authorized dealer for service within 30 days.

30 Days: Parts & Labor*

- Paint
- Light bulbs
- Gasket material
- Glass media and media dam

Year 1: Parts & Labor*

All parts and material except the items listed in the 30 day warranty and any exclusions or limitations that may apply

*Hussong Mfg. will issue labor reimbursement to an authorized dealer only. Hussong Mfg. will not be liable for charges occurred as a result of any service performed by a nonauthorized service provider, without pre-authorization.

Years 2 through Lifetime: Parts Only

- Firebox
- Heat Exchanger
- Logs
- Burner tube or pan
- Outer shell
- Heat shield(s)
- Front Viewing Glass (thermal shock only)
- Refractory Firebox liner (excluding enamel and glass panels)

EXCLUSIONS AND LIMITATIONS

- 1. This appliance must be installed by a licensed, authorized service technician or contractor. It must be installed, operated and maintained at all times in accordance with the instructions in the owner's manual or the warranty is void.
- 2. This warranty is nontransferable and is made to the original purchaser only.
- 3. This warranty excludes standard wear and tear of the appliance which is considered normal usage over time.
- 4. Discoloration and some minor expansion, contraction or movement of certain parts, resulting in noise, is normal and not a defect.
- 5. Warranty is automatically voided if the appliance's serial number and/or testing label is removed or if the appliance is altered or tampered with in any way.
- 6. Warranty is void if the appliance is subject to submersion in water or prolonged periods of dampness or condensation. Any damage to any part of the appliance due to water or weather damage which is the result of, but not limited to, improper chimney/venting installation will also render this warranty void.
- 7. This warranty does not cover installation and operational related problems such as environmental conditions, nearby trees, buildings, hilltops, mountains, inadequate venting or ventilation, excessive offsets, negative air pressures caused by any mechanical systems.
- 8. Chimney components and other Non-Hussong Mfg. accessories used in conjunction with the installation of this appliance are not covered under this warranty.
- 9. Damage to plated surfaces or accessories, if applicable, caused by scratches, fingerprints, melted items or other external sources left on the surfaces from the use of cleaners is not covered under this warranty.

Limited Lifetime Warranty

EXCLUSIONS AND LIMITATIONS (continued)

- 10. It is expressly agreed and understood that this warranty is Hussong Mfg.'s sole obligation and purchaser's exclusive remedy for defective fireplace equipment. Hussong Mfg. is free of liability for any damages caused by this appliance, as well as inconvenience expenses and materials. Incidental or consequential damages are not covered by this warranty. In some states, the exclusion of incidental or consequential damage may not apply. Hussong Mfg. shall not be held to implied warranties and this warranty shall replace all previous warranties.
- 11. This limited lifetime warranty is the only warranty supplied by Hussong Mfg. Any warranties extended to the purchaser by the dealer/distributor, whether expressed or implied, are hereby disclaimed and the purchaser's recourse is expressly limited to the warranties set forth herein.
- 12. Any part repaired or replaced during the limited warranty period will be warranted under the terms of the limited warranty for a period not to exceed the remaining term of the original limited warranty.
- 13. Any replacement part repaired after the warranty period will include a 90 day parts coverage
- 14. Hussong Mfg. may require the defective part to be returned using a pre-authorized RGA number or a photo of the defective component. Failure to provide either can result in a denied claim.
- 15. This warranty does not cover the appliances ability to heat a desired space, as there are many factors that can impact the heating performance in each home. Consideration should be implied to the appliance's location, room size, home design, environmental conditions, insulation, and tightness of the home.
- 16. Hussong Mfg. reserves the right to make changes at any time, without notice, in design, material, specifications, and pric es. Hussong Mfg. reserves the right to discontinue models and products.

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