



# Greenfire® GF155-2

## TECHNICAL MANUAL

### Fireplace Insert Pellet Stove



French Manual: <https://bit.ly/3l4sqbo>  
Manuel en Français : <https://bit.ly/3l4sqbo>

#### **WARNING:**

Improper installation, adjustment, alteration, service or maintenance can cause injury, property damage, or loss of life. Refer to this manual. For assistance or additional information consult an authorized installer or service agency.

#### **FOR YOUR SAFETY:**

Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.

Installation and service must be performed by an authorized installer or service agency.

Tested by:



***IMPORTANT: SAVE THESE INSTRUCTIONS***

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**Safety Note:** If this stove is not properly installed, a house fire may result. For your safety, follow the installation instructions, contact local building, fire officials, or authority having jurisdiction about restrictions and installation inspection requirements in your area.

The authority having jurisdiction should be consulted before installation to determine the need to obtain a permit.

**Emissions and Efficiency - GFI55-2:** This manual describes the installation and operation of the Regency GFI55-2 pellet heater. This heater is U.S. ENVIRONMENTAL PROTECTION AGENCY certified to comply with 2020 particulate emission standards. Under specific test condition this heater has been shown to deliver heat at rates ranging from: 7,751 - 32,739 Btu/hr

**Efficiency:** 75%\* HHV (PFS TECO 21-694)

\*When using optional top vent adaptor kit (GF55-920) and 3" to 6" flue adaptor (946-792). See manual for further information.

**FIRE EXTINGUISHER AND SMOKE DETECTION:** All home with a pellet burning stove should have at least one fire extinguisher in a central location known to all the household. Smoke detectors and carbon monoxide detectors should be installed maintained in the room containing the stove. If it sounds the alarm, correct the cause but do not deactivate. You may choose to relocate the smoke the smoke detection device within the room; **DO NOT REMOVE THE SMOKE OR CARBON MONOXIDE DETECTORS FROM THE ROOM.**

**WARNING:** This wood heater needs periodic inspection and repair for proper operation. It is against federal regulation to operate this wood heater in a manner inconsistent with operating instructions in this manual.

**WARNING:** This wood heater has a manufacturer set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or other wise operate this wood heater in a manner inconsistent with operating instructions in this manual.



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\*This manual is designed for the technician in conjunction with the owner's manual.\*

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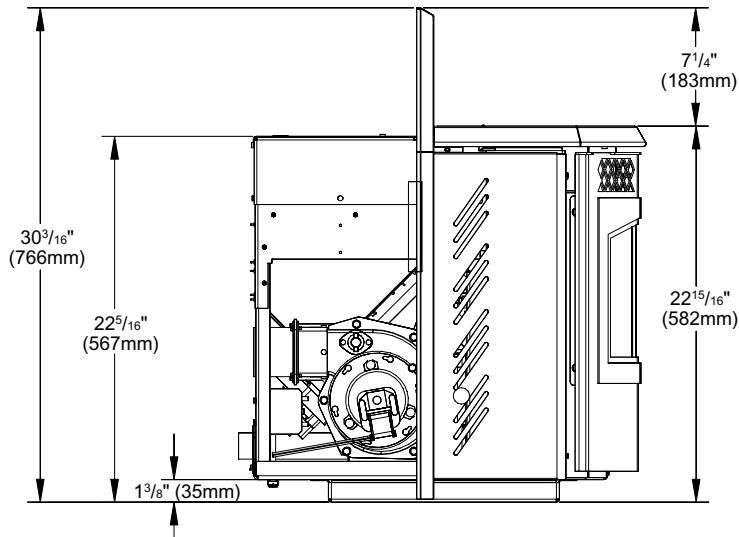
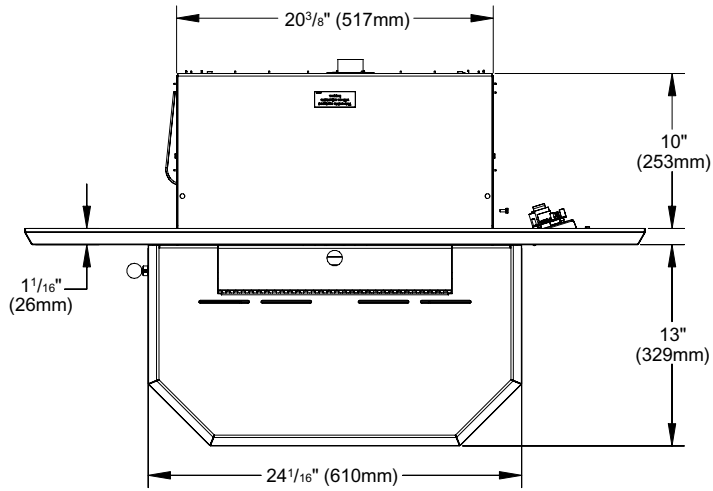
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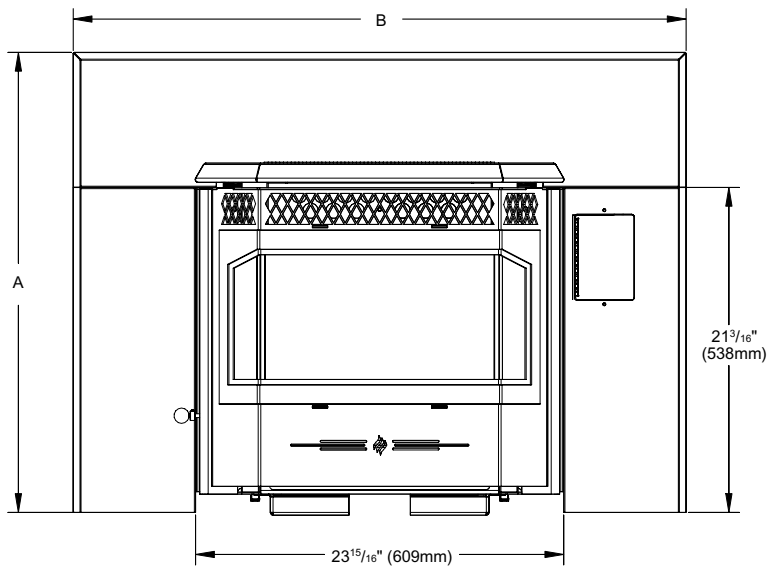


# UNIT DIMENSIONS

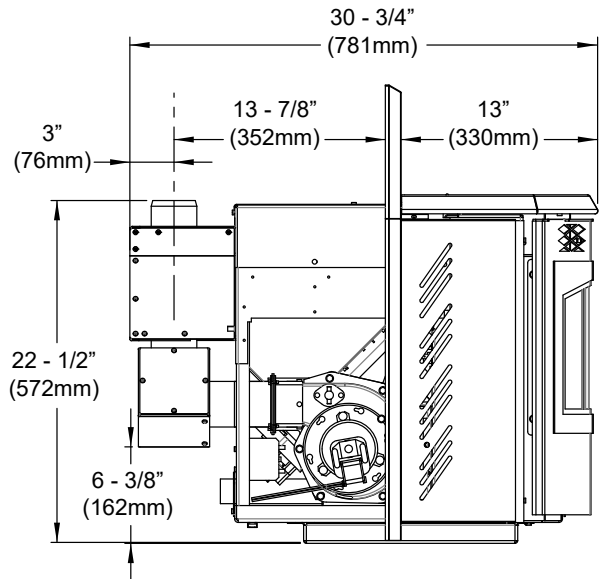
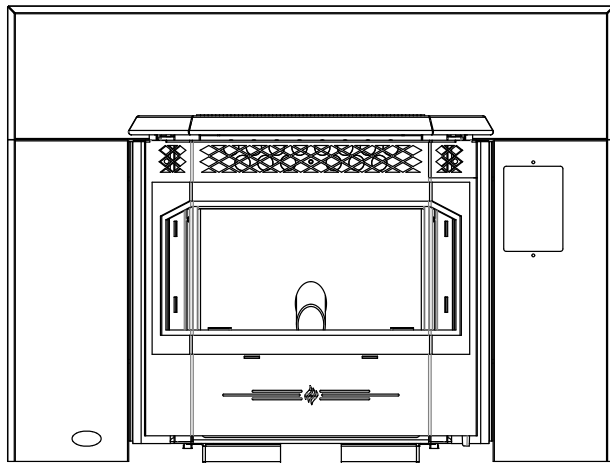
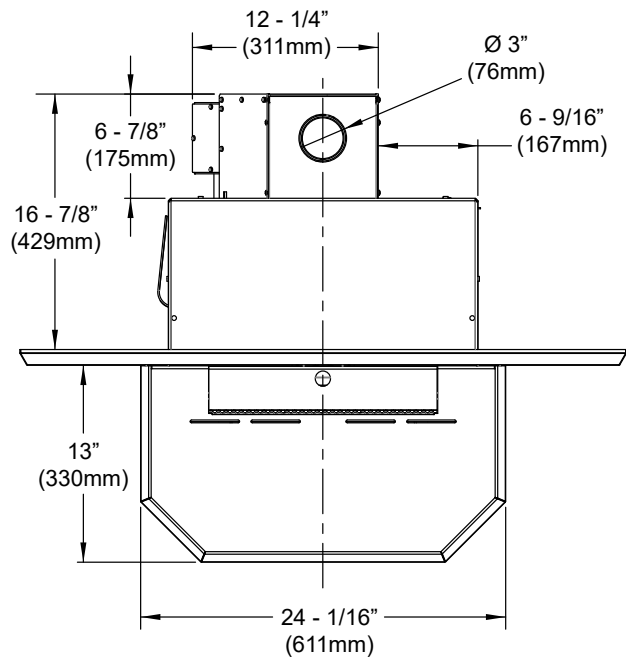
## GFI55-2 FIREPLACE PELLET INSERT



FACEPLATE DIMENSIONS	
<b>Regular Faceplate</b>	
(A) Height	30" (761mm)
(B) Width	39-15/16" (1014mm)
<b>Oversize Faceplate</b>	
(A) Height	33" (838mm)
(B) Width	45-15/16" (1167mm)



# GFI55-2 FIREPLACE PELLET INSERT WITH TOP VENT ADAPTOR



## IMPORTANT SAFETY INFORMATION

### IMPORTANT SAFETY INFORMATION

Failure to follow these instructions may result in property damage, bodily injury or even death.

Contact your local building or fire official to obtain a permit and any information on installation restrictions and inspection requirements for your area.

To prevent the possibility of a fire, ensure that the appliance is properly installed by adhering to the installation instructions. A Greenfire dealer will be happy to assist you in obtaining information with regards to your local building codes and installation restrictions.

Be sure to maintain the structural integrity of the home when passing a vent through walls, ceilings, or roofs.

The stove's exhaust system works with negative combustion chamber pressure and a slightly positive chimney pressure. It is very important to ensure that the exhaust system be sealed and airtight. The ash pan and viewing door must be locked securely for proper and safe operation of the pellet stove.

Do not burn with insufficient combustion air. A periodic check is recommended to ensure proper combustion air is admitted to the combustion chamber. Setting the proper combustion air is achieved by adjusting the slider damper located on the left side of the stove. Refer to "Slider/Damper Set-up" section. When installing the stove in a mobile home, it must be electrically grounded to the steel chassis of the home and bolted to the floor. Make sure that the structural integrity of the home is maintained and all construction meets local building codes.

Minor soot or creosote may accumulate when the stove is operated under incorrect conditions such as an extremely rich burn (black tipped, lazy orange flames).

If you have any questions with regard to your stove or the above-mentioned information, please feel free to contact your local dealer for further clarification and comments.

## SAFETY WARNINGS & RECOMMENDATIONS

### CAUTION:

**Do not connect to any air distribution duct or system.**  
**Do not burn garbage or flammable fluids such as gasoline, naphtha or engine oil.**  
**Unit hot while in operation. Keep children, clothing and furniture away. Contact may cause skin burns.**

**SOOT:** Operation of the stove with insufficient combustion air will result in the formation of soot which will collect on the glass, the heat exchanger, the exhaust vent system, and may stain the outside of the house. This is a dangerous situation and is inefficient. Frequently check your stove and adjust the slider/damper as needed to ensure proper combustion. See "Slider/Damper Setting".

**CLEANING:** There will be some build up of fly ash and small amounts of creosote in the exhaust. This will vary due to the ash content of the fuel used and the operation of the stove. It is advisable to inspect and clean the exhaust vent semi-annually or every two tons of pellets.

**ELECTRICAL:** The use of a surge protected power bar is highly recommended. The unit must be grounded. The grounded electrical cord should be connected to a standard 115 volts (4.6 Amps), 60 hertz electrical outlet. Be careful that the electrical cord is not trapped under the appliance and that it is clear of any hot surfaces or sharp edges and also must be accessible. If this power cord should become damaged, a replacement power cord must be purchased from a Greenfire dealer. This unit's maximum power requirement is 520 watts.

**GLASS:** Do not abuse the glass by striking or slamming the door. Do not

attempt to operate the stove with broken glass. The stove uses ceramic glass. Replacement glass must be purchased from a Greenfire dealer. Do not attempt to open the door and clean the glass while the unit is in operation or if glass is hot.

To clean the glass, use a soft cotton cloth and mild window cleaner, gas or wood stove glass cleaner, or take a damp paper towel and dip into the fly ash. This is a very mild abrasive and will not damage the glass.

**FLAMMABLE LIQUIDS:** Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or "freshen up" a fire in the heater. Keep all such liquids well away from the heater while it is in use.

**SMOKE DETECTOR:** Smoke detectors should be installed and maintained in the structure when installing and operating a pellet burning appliance.

**OPERATION:** The ash pan and door must be closed securely for proper and safe operation of the pellet stove. Also ensure all gaskets on the door are checked and replaced when necessary.

**INSTALLATION:** Be sure to maintain the structural integrity of your home when passing a vent through walls, ceilings, or roofs. It is recommended that the unit be secured into its position in order to avoid any displacement.

**DO NOT INSTALL A FLUE DAMPER IN THE EXHAUST VENTING SYSTEM OF THIS UNIT.**

**DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.**

**FRESH AIR:** Outside Fresh Air connection is optional. Must be connected to all units installed in Mobile and "Air Tight Homes" (R2000) or where required by local codes. Consider all large air moving devices when installing your unit and provide room air accordingly. Limited air for combustion may result in poor performance, smoking and other side effects of poor combustion. If you have any questions with regards to your stove or the abovementioned information, please feel free to contact your Greenfire dealer for further clarification and comments.

SINCE FPI HAS NO CONTROL OVER THE INSTALLATION OF YOUR STOVE, FPI GRANTS NO WARRANTY IMPLIED OR STATED FOR THE INSTALLATION OR MAINTENANCE OF YOUR STOVE. THEREFORE, FPI ASSUMES NO RESPONSIBILITY FOR ANY CONSEQUENTIAL DAMAGE(S).

# INSTALLATION

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## REMOVING PELLET INSERT FROM PALLET

To remove your new insert from its pallet, remove the two (2) screws securing the bottom to the pallet.

### Fireplace Insert:

There is one screw on either side of the bottom. See figure 2.

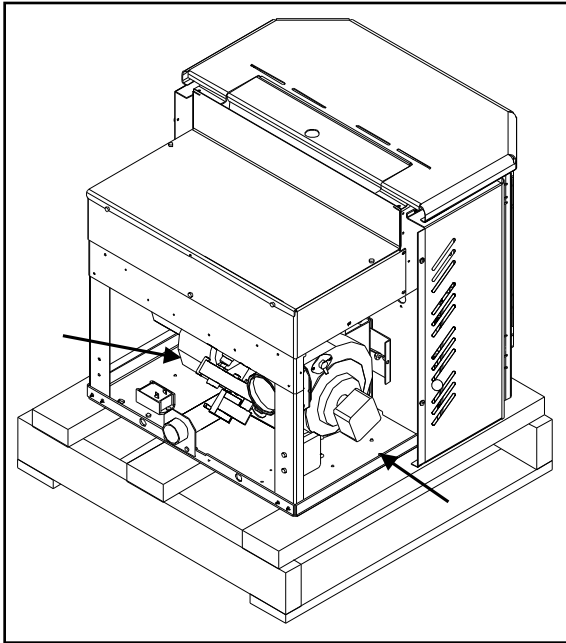


Figure 2: Removing GFI55-2 From Pallet.

## OPENING THE DOOR

The door lever can be found in behind the right side of the door frame. To open the door, pivot the lever outwards and upwards until it unlocks.

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## LOCATING THE PELLET APPLIANCE

1. Check clearances to combustibles. See "Clearance to Combustibles" section.
2. Do not obtain combustion air from an attic, garage or any unventilated space if enough air is available. Combustion air may be obtained from a ventilated crawl space.
3. Do not install the stove in a bedroom.
4. You can vent the stove through an exterior wall behind the unit or connect it to an existing masonry or metal chimney (must be lined if the chimney is over 6" (15 cm) diameter, or over 28 inches<sup>2</sup> (180 cm<sup>2</sup>) cross sectional area). An interior vent can be used with approved pipe passing through the ceiling and roof.
5. Locate the stove in a large and open room that is centrally located in the house. This will optimize heat circulation.
6. The power cord is 8 feet (2.43 m) long and may require a grounded extension cord to reach the nearest electrical outlet.



## GFI55-2 PELLET INSERT

### CLEARANCES TO COMBUSTIBLES

The fireplace insert is certified to be installed into a masonry fireplace only and/or zero clearance wood burning factory built fireplace where allowed by local codes. This model includes a surround faceplate and a pedestal. When installing this unit, ensure that the pedestal is removed from the inside of the hopper and installed on the bottom of the unit.

From the body of the heater to the:

Side Wall	8" (203mm) minimum
Facing on Masonry Fireplace:	8" (203mm) minimum
8" (203mm) mantle:	8" (203mm) minimum

### FIREPLACE SPECIFICATIONS

Your fireplace opening requires the following minimum sizes:	
Height 55 lbs hopper (standard)	22.75" (578mm)
42 lbs hopper (adjusted)	19.5" (495mm)
Width	26" (660mm)
Depth	15" (381mm)

Your fireplace opening requires the following minimum sizes when using the top vent adaptor:	
Height 55 lbs hopper (standard)	23.25" (591mm)*
Width	26" (660mm)
Depth	18" (457mm)

\*NOTE: When using the top vent adapter, the hopper must be set to the standard height (55lbs, 22¼").

### INSTALLATION OF PEDESTAL AND LEVELLING LEGS

There are two parts to the GFI55-2 insert pedestal and they can be found inside the hopper. Place unit on its back. Two (2) hex head screws are used on each side of the pedestal (refer to Figure 22). Using a 5/16" wrench or socket, secure the pedestal to the bottom of the unit.

#### OPTIONAL:

There are two (2) leveling legs and they can be found inside the manual bag. Each leveling leg consists of a long bolt, a hex nut, a washer, and a square bolt with clip (see Figure 23). For installation of the leveling legs the unit should be on its back and a ½" wrench is required for adjustments.

Install the square bolts into the square holes in the back corners of the bottom. The square bolt should be inserted from inside the unit so that the clip will be facing up.

Thread hex nut onto the bolt till it is approximately 1" (25 mm) from the bolt head, slide washer onto bolt. Thread the bolt into the square nut so length of the bolt shown is the approximately height needed for leveling. When the unit is up right and the bolts can be adjusted to the exact height required. To lock the bolts at a height tighten the hex nut and washer against the square bolt.

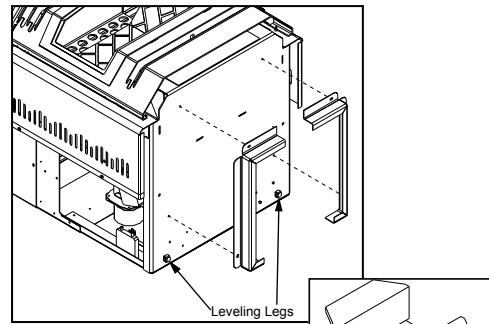


Figure 22: Installing Pedestal

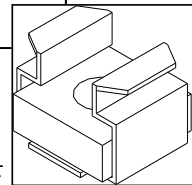


Figure 23: Square Bolt

### INSTALLING HOPPER COVER AND ADJUSTING HOPPER HEIGHT

The hopper cover initially comes **upside-down on top of the hopper**. To install the hopper cover flip the cover over and fasten in place with four T-20 screws (see Figure 24).

The back height of this unit can be set to one (1) of three (3) heights; 19½" (495mm), 21" (537mm), 22¼" (565mm). The hopper should be set to the maximum height that can be used in the installation.

To change the height of the hopper back up or down, remove the seven (7) T-20 screws, three (3) on each side and one (1) on the back. The screw placement is shown Figure 25. Move the hopper assembly to the required setting and replace the screws. When the hopper back is in place it is recommended that silicone is used to seal the bottom lip of the hopper back and sides.

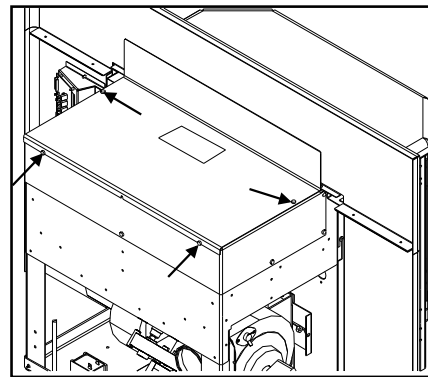


Figure 24: Hopper Cover Screw Placement

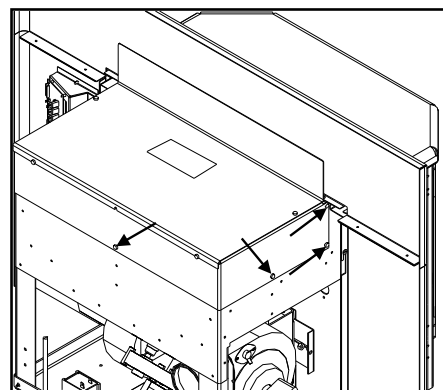


Figure 25: Hopper Extension Screw Placement

# INSTALLATION

## EXHAUST AND FRESH AIR INTAKE LOCATION

<b>EXHAUST:</b>	
Base of unit to center of flue	9-1/16" (229mm)
Side of unit to center of flue	6-1/8" (156mm)
Center of unit to center of flue	5-3/4" (146mm)
<b>FRESH AIR INTAKE:</b>	
Base of unit to center of intake	3-7/16" (87mm)
Side of unit to center of intake	10-7/8" (277mm)
Center of unit to center of intake	1" (25mm)

INSTALL VENT AT CLEARANCES SPECIFIED BY THE VENTING MANUFACTURER.

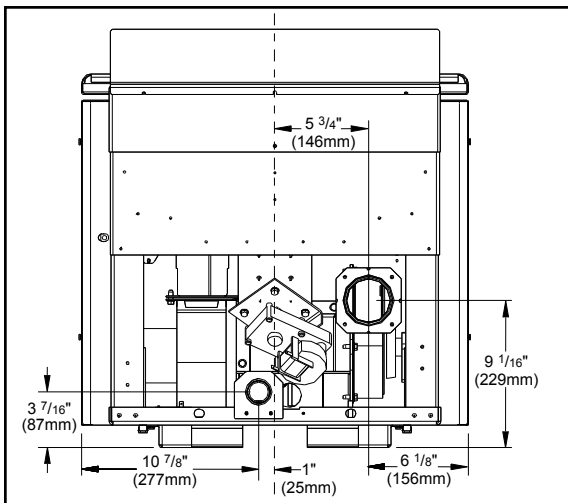


Figure 26: Insert Inlet and Outlet Location

## OUTSIDE FRESH AIR CONNECTION

Outside fresh air is mandatory when installing this unit in airtight homes and mobile homes.

**A Fresh-air intake is strongly recommended for all installations.** Failure to install intake air may result in improper combustion as well as the unit smoking during power failures.

When connecting to an outside fresh air source, do not use plastic or combustible pipe. A 2" minimum (51mm) ID (inside diameter) steel, aluminum or copper pipe should be used. It is recommended, when you are installing a fresh air system, to keep the number of bends in the pipe to a minimum.

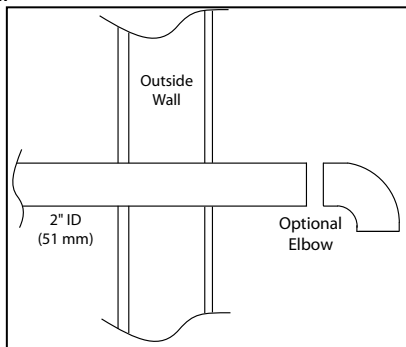


Figure 27: Outside Air Connection

## MASONRY FIREPLACE INSERT INSTALLATION

The GF155-2 requires a surround faceplate and a pedestal. When installing this unit, ensure that the pedestal is removed from the inside of the hopper and installed on the bottom of the unit. Refer to "Installation of Pedestal and Leveling Legs".

Adjust hopper height - refer to "Installing Hopper Cover and Adjusting Hopper Height" and assemble surround panel. See "Installation and Removal of Control Panel in the Surround Panel" and "Assembly and Installation of Insert Surround Panels" before starting installation.

A non-combustible hearth pad must cover combustible flooring underneath, as well as 6" (150mm) in front of the heater and 6" (150mm) to the side of the heater

1. Install the hearth pad, if required.
2. Lock the fireplace damper in the open position.
3. Install a positive flue connector at the fireplace damper.
4. Connect a tee or 90° elbow to the exhaust pipe.
5. This fireplace insert must be installed with a continuous chimney liner of 3 or 4" diameter extending from the fireplace insert to the top of the chimney. The liner must conform to type 3 requirements of CAN/ULC S635. For lengths below 25' use 3" and increase to 4" if longer.
6. (Recommended) Install fresh air intake either through the back of the fireplace or through the positive flue connector.

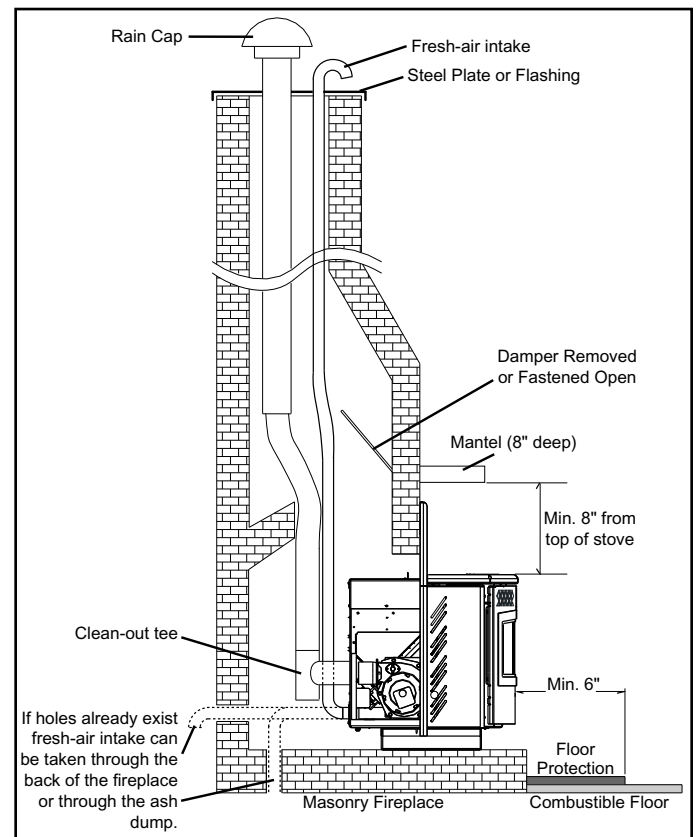


Figure 28: Installation of Fireplace Insert

# INSTALLATION

When installing the insert into a masonry fireplace DO NOT remove any bricks or masonry, with the following exception; masonry or steel, including the damper plate, may be removed from the smoke shelf and adjacent damper frame if necessary to accommodate a chimney liner. Provided that their removal will not weaken the structure of the fireplace and chimney, and will not reduce protection for combustible materials to less than that required by the national building code.

When installing the fireplace insert into a zero clearance fireplace, where allowed by local codes, DO NOT cut or modify any factory firebox parts. If the fireplace insert does not fit into a zero clearance fireplace we recommend you use an Greenfire freestanding model and install as a hearth mounted unit. Install a 3" (76mm) flex pipe from the stove to the top of the chimney. Refer to "Hearth Mount Installation".

## POSITIVE FLUE CONNECTION WITHOUT A FULL RELINE (USA ONLY)

**This unit does not require a full reline (in USA only) when installing into a masonry fireplace, however, it is recommended to ensure proper drafting of the appliance. This type of application is not recommended.**

**IMPORTANT:** Ensure the chimney and firebox are cleaned and free of all debris, including soot and ashes, before proceeding with this installation. If it is not clean, soot may be blown into the room through the unit's blower. Ensure the fireplace and chimney have not deteriorated in any way. If there is any sign of corrosion or damage in the chimney the unit can not be installed. This unit can be installed in a masonry fireplace built to (UBC 37 or ULC S628 standards) or a factory built fireplace (built to UL 127 or ULC S610 standards).

1. Install the hearth pad. The floor 6" (150mm) in front of the unit and 6" (150mm) to each side of the unit must be protected with a non-combustible hearth pad.
2. The vent connector from the insert must extend a minimum of 18" above the chimney seal plate. The chimney seal plate area must be sealed to prevent the exhaust from the chimney from coming back into the fireplace and prevent air from the fireplace from entering the chimney which will affect proper drafting of appliance.

A qualified installer should evaluate the existing fireplace to determine the best method for achieving a positive flue connection between the vent pipe or liner and the chimney. Whatever method used must effectively seal the area to prevent room air passage to the chimney cavity of the fireplace. A couple examples of Approved Methods of Achieving a Positive Flue Connection are:

- a) Secure a seal-off plate (i.e. 22-gage sheet steel) in the masonry fireplace throat using masonry screws.
- b) Pack non-combustible material (i.e. rockwool) around the vent pipe or using a flue adapter.

3. Set leveling leg to approximate height.

**IMPORTANT:** The chimney seal plate must be removed for the annually chimney cleaning as ash will build up on top of the plate.

Be aware that this type of application may have a negative effect on performance not covered under warranty.

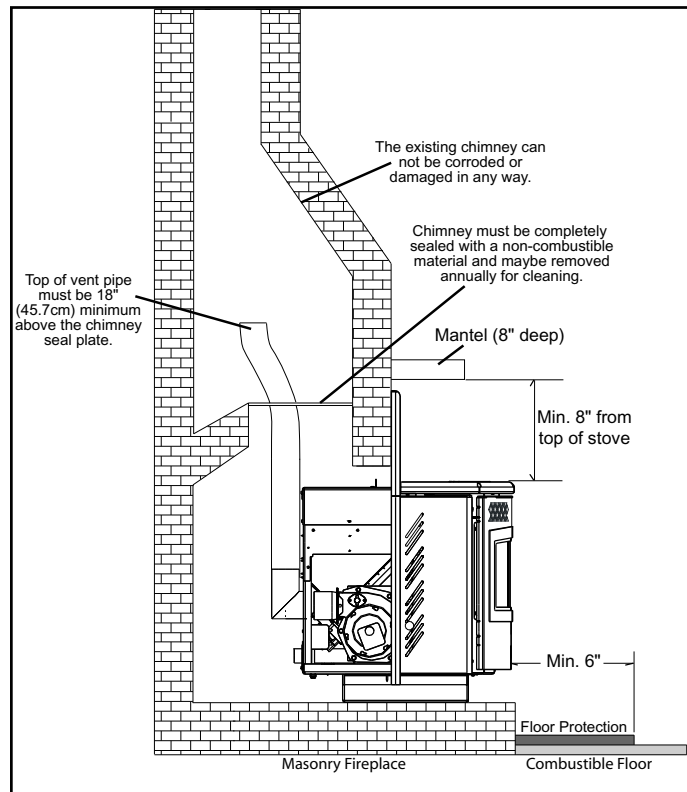
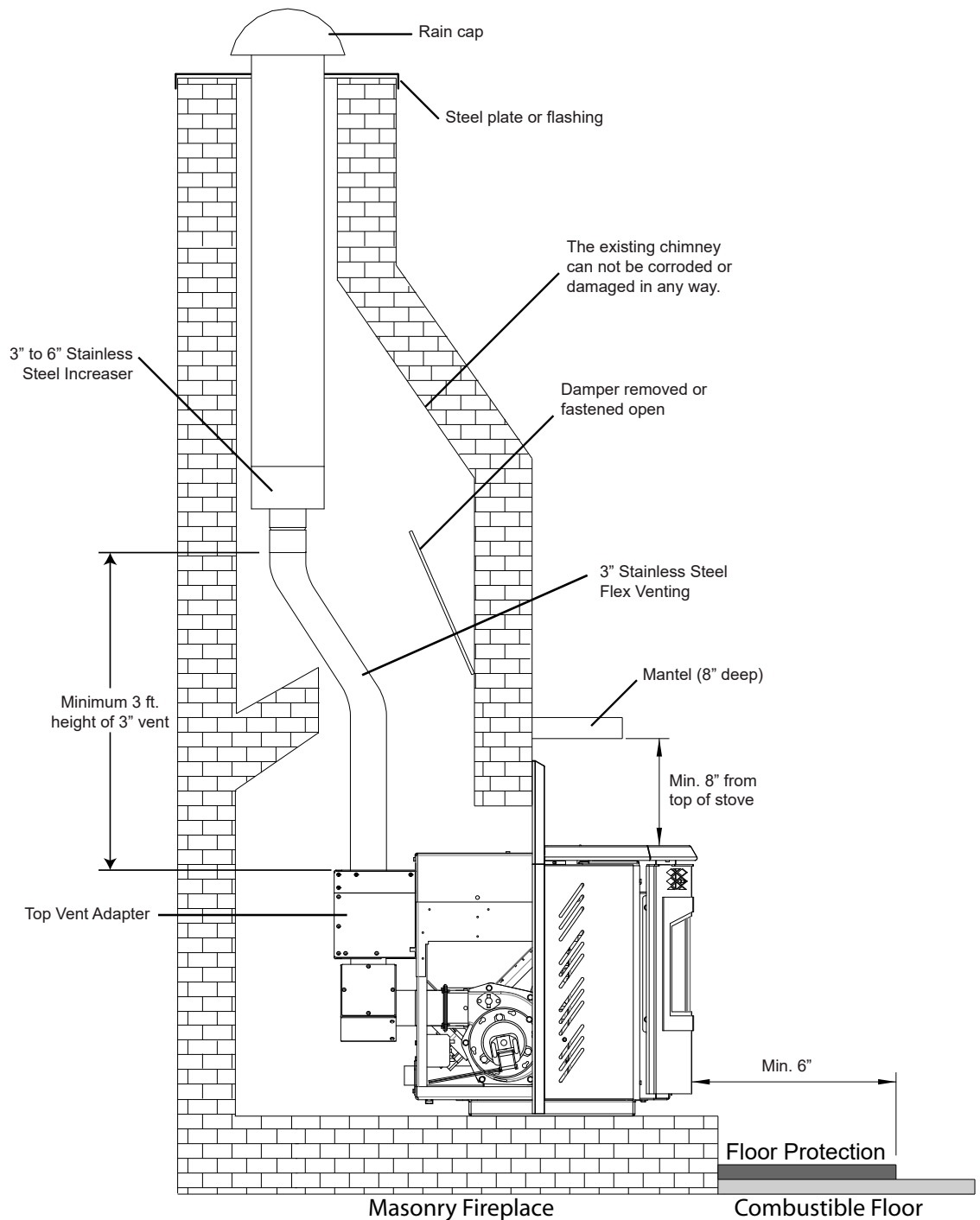


Figure 29: Masonry fireplace positive flue installation

# INSTALLATION

## TOP VENT ADAPTOR KIT & 3" (76 MM) TO 6" (152 MM) FLUE ADAPTOR (APPROVED FOR VERTICAL INSTALLATIONS ONLY)



\*In order to achieve the maximum rated efficiency of 75% HHV purchase of a top vent adaptor kit (GF55-920) is required. Use the sheet metal screws provided to attach the kit to the rear of the unit as shown. Please see kit instruction manual for more detailed installation instructions. The stove must also be connected to a 6" (152 mm) Class A flue (where permitted) using the 3" (76 mm) to 6" (152 mm) Flue increaser (946-792). See separate instruction manual for complete details.

# INSTALLATION

## INSTALLATION AND REMOVAL OF CONTROL PANEL IN THE SURROUND PANEL

When installing the circuit board control panel into the surround panel, the surround does not need to be assembled. The circuit board will be found in the firebox.

Place the circuit board control panel on the backside of the right surround panel so the hinge is on the outside and the top and bottom holes on the control panel line up with those on the surround. Attach using two (2) T-20 screws through the front of the surround into the circuit board control panel (see Figure 30).

After the surround has been assembled and is ready to be installed on the unit plug the wiring harness into the control panel (see Figure 31).

### REMOVAL:

When maintenance is required on the unit the surround must be removed. Pull the surround straight up till it stops then pull it out about 4" (10cm) and rest the surround on top of the unit while the control panel is removed or disconnected.

If electrical connection is required for the maintenance remove the circuit board control panel from the surround.

If electrical connection is not required for the maintenance remove the wiring harness from the bottom of the circuit board control.

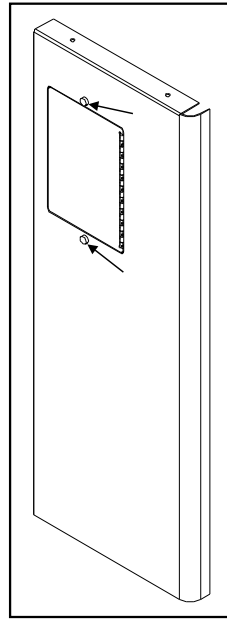


Figure 30: Right Panel - Front

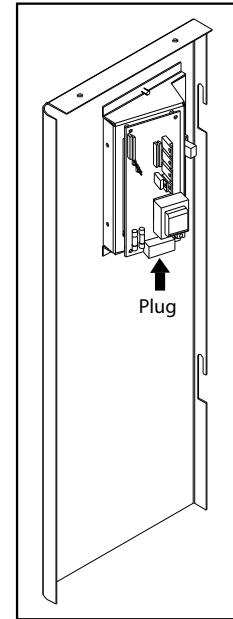


Figure 31: Right Panel - Back

## ASSEMBLY AND INSTALLATION OF INSERT SURROUND PANELS

The trim set for your surround panel must be installed before installing the surround panel onto the unit, if not already done.

1. To assemble the surround panels, lay the panels face down on a soft flat surface and align the outer edges of the sides with the top panel. Using four (4) T-20 screws up through the side panels into the top (see Figure 32).

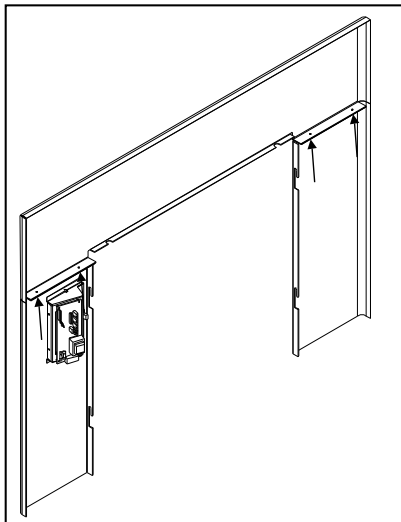


Figure 32: Assembled Surround Panel

2. Place the assembled surround panel around the stove; align the slots with the screw heads. Push surround in then down to engage the surround slots on the mounting screws (see Figure 33). Make sure the top surround panel sits flat behind the stove top.

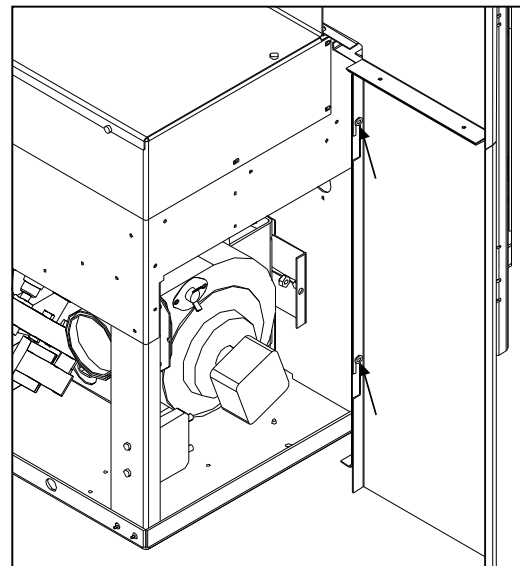


Figure 33: Installed Surround Panel

## PLATED DOOR INSTALLATION

**TO AVOID PERSONAL INJURY DO NOT REMOVE OR REPLACE COVER WHEN PELLET STOVE IS HOT!**

### **TOOLS REQUIRED:**

- a) 11/32" socket

### **REMOVAL OF DOOR COVER:**

When stove is off and cool, open the door. Remove the four (4) #8 hex nuts around the inside of the glass retainer shown in Figure 37.

Remove door cover from door by gently sliding the studs out of the holes. If it is difficult to remove the cover, the glass retainer may be pinching the threads on the studs. Slightly loosen the four (4) screws (by each of the studs).

### **REPLACEMENT OF DOOR COVER:**

Slide new door cover into place and hand tighten the four (4) #8 hex nuts around the inside of the glass retainer. Ensure the four screws are also hand tight and close door. **Do not overtighten or you may break screws.**

**Clean all plated surfaces before starting the stove.** Refer to "Cleaning Plated Surfaces in Routine Cleaning and Maintenance in the Owner's Manual.

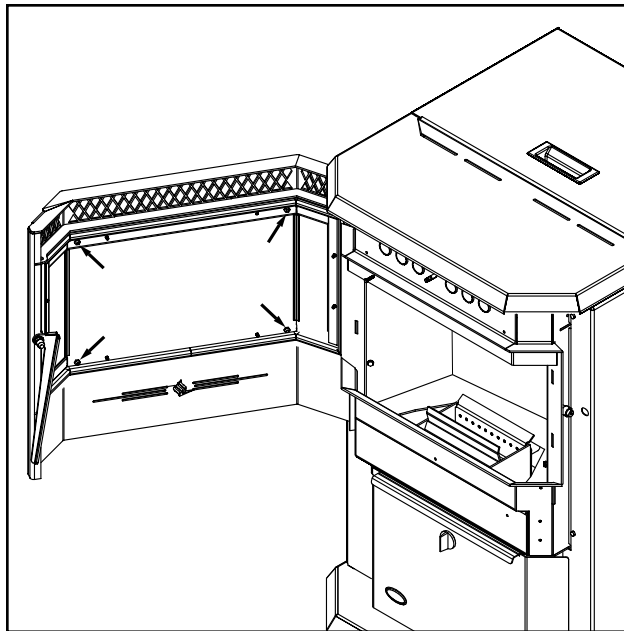


Figure 37: Inner side of door

Note: Model not exactly as shown but depicts the process.

## THERMOSTAT INSTALLATION

1. Install the thermostat by connecting a low voltage millivolt thermostat to the circuit board jumper location shown below. Connect 2 x 18 gauge wires from the connection points on the back of the control board to the thermostat (see figure 38).
2. Choose a location for the thermostat, which will effectively heat the desired area. Do not install close to the unit, typical installation is 10ft - 20ft away in an open area (not hidden).
3. Review each of the three control switch positions with the consumer.

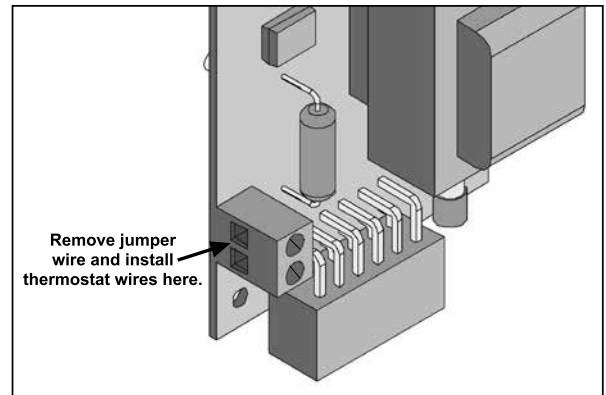


Figure 38: Thermostat wire placement

# INSTALLATION

## SLIDER / DAMPER SET-UP

**THE SLIDER / DAMPER HAS BEEN SET AT THE FACTORY. This is used to regulate the airflow through the pellet stove.** The slider damper knob is located on the left cabinet side (see Figure 42) when facing appliance from the front.

The slider damper factory setting has been set for peak efficiency operation/ efficient flame (see Figure 40).

If the fire should happen to go out and the heat output indicator has been set on the lowest setting, the Slider Damper may need to be adjusted by a qualified technician only. Contact your local dealer.

For troubleshooting purposes the firebox vacuum pressure may need to be confirmed. This should be done only on a hot stove (operating for thirty (30) minutes or more) by placing a Magnehelic Pressure Gauge in the firebox. The reading can be taken from the 1/8" (3 mm) hole located in the front of the firebox under the door (see Figure 41). **The factory setting should read approximately 0.065 inches of water column on the high fire setting.**



Figure 40: Efficient Flame

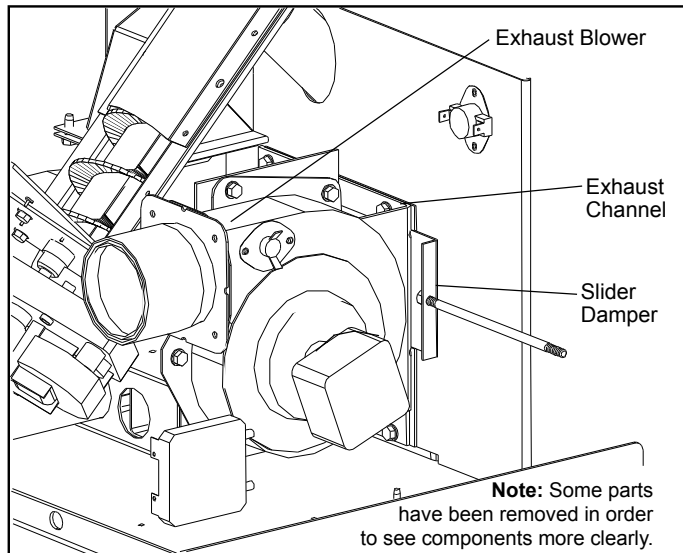


Figure 39: Slider / Damper

The easiest way to make sure that an efficient flame is achieved is to understand the characteristics of the fire.

- A tall, lazy flame with dark orange tips requires more air – Open slider (pull out) slightly.
- A short, brisk flame, like a blowtorch, has too much air – Close slider (push in) slightly.
- If the flame is in the middle of these two characteristics with a bright yellow/orange, active flame with no black tips then the air is set for proper operation.

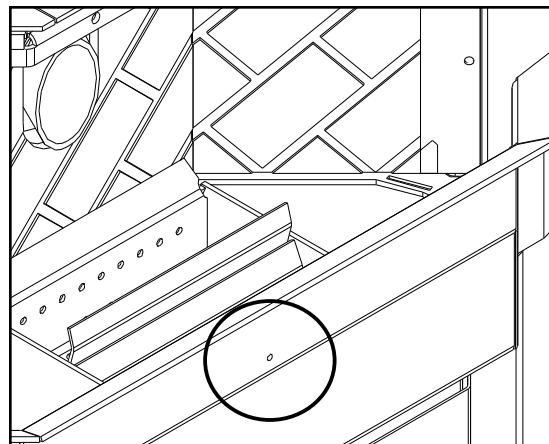


Figure 41: Hole for Pressure test with Magnehelic Gauge

### SPECIAL NOTES:

Pellet quality is a major factor in how the Pellet stove will operate. If the pellets have a high moisture content or ash content the fire will be less efficient and has a higher possibility of the fire building up and creating clinkers (hard ash build-up).

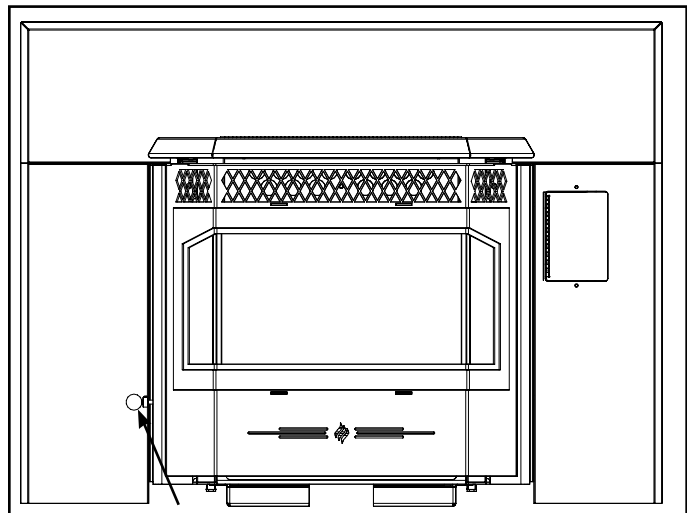


Figure 42: Damper Knob Location

## TROUBLESHOOTING FAQ'S

### DO NOT:

- Service the stove with wet hands. The stove is an electrical appliance, which may cause a shock hazard if handled improperly.
- Only qualified technicians should deal with possible internal electrical failures.
- Do not attempt to remove or loosen any screws from inside the firebox without applying penetrating oil (ie. WD40) to any of the screws.

### WHAT TO DO IF:

1. The stove will not start.
2. The stove will not operate when hot.
3. The exhaust blower will not function normally.
4. Light # 2 on Heat output bar flashing.
5. Auger light flashes but auger motor does not turn at all
6. The 200 °F (93 °C) high limit temperature sensor has tripped.
7. The convection blower will not function normally.
8. Ignitor- the pellets will not light.
9. Control settings (Heat Level) has no effect on the fire.
10. The stove keeps going out.

**\*NOTE: All troubleshooting procedures should be carried out by qualified technicians or installers.**

### 1. The stove will not start.

- ✓Make sure the stove is plugged in and the wall outlet is supplying power.
- ✓If the Control Board has been placed in the ON /OFF thermostat mode, then turn the thermostat up to call for heat.
- ✓Ensure the burn pot liner is correctly placed in the burn pot.
- ✓Check the Heat Level Indicator. - If the # 2 light is flashing, see the # 2 light is flashing.
- ✓Check the fuse on the circuit board.
- ✓If the unit still does not start, contact your local service dealer for service.

### 2. The stove will not operate when hot.

- ✓Check the Heat Level Indicator if a fire is not detected, or if the fire has gone out **the #3 light will flash** because the Exhaust Temperature Sensor's contacts have opened.
- ✓Check the hopper for fuel.
- ✓Incorrect air damper setting. - Excessive air may consume the fire too quickly before the next drop of fuel, leaving completely unburned fuel in the burn pot liner. - Insufficient air will cause build up, further restricting the air flow through the Burn Pot Liner. This in turn will cause the fuel to burn cold and very slowly. Fuel may build up and smother the fire. In this case clean the burn pot. **(NOTE: unit may require a change to the vent system or installation of fresh air to correct Air to Fuel ratio problems).**
- ✓Combustion Blower failure. - The Combustion Blower is not turning fast enough to generate the proper vacuum in the fire box. Visual Check – is the blower motor turning.
- ✓Check the Exhaust Blower voltage across the blower wires ( $\geq 114$  V on #5 setting and  $\geq 82$  on #1 setting). – Replace the Circuit Board if the Voltage reading is less than 82 V. with a line voltage  $>115$  V AC.
- ✓Check Vacuum levels in the exhaust channel by bypassing the Vacuum Switch, then remove the Vacuum hose from Vacuum Switch. Check exhaust vacuum readings by placing the open end of the Vacuum Hose on a Magnahelic Gauge (readings must be above .10" W.C. on low fire).  
If the motor fails to reach a 0.10" W.C. readings, then replace the Combustion Blower.
- ✓Poor Quality Fuel – Insufficient energy in the fuel to produce enough heat to keep the stove burning or operational.
- ✓Exhaust Temperature Sensor failure. – Bypass sensor located on Exhaust Blower. If stove now operates properly, the unit may require cleaning or a new sensor. Contact your local dealer for service.
- ✓Check the fuse on the circuit board.

### 3. The exhaust blower will not function normally.

- ✓Open the left side access panel; check all connections against the wiring diagram.
- ✓See "2. The stove will not operate when hot." section.

### 4. Light # 2 on Heat output bar flashing

(The Vacuum Switch contacts have opened for more than 15 sec.)

- ✓Pinch, break or blockage in Vacuum Hose - Check hose for pinch points or damage, replace or re-route as required. Blow out Vacuum Hose
- ✓Blocked Hose Barb on Exhaust Channel - Use a paper clip to clean out Hose Barb or remove the Vacuum Hose from the Vacuum Switch and blow into the hose to remove blockage.



# TROUBLESHOOTING

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- ✓Blocked exhaust / venting system - Have stove and venting cleaned and inspected.
- ✓Severe negative pressure in area where unit is installed - Check the operation by opening a window, does this solve the problem? If it does, install fresh air intake to unit or room. Venting system may require vertical section to move termination into a low pressure zone.
- ✓Vacuum Switch failure - Bypass the vacuum switch, if this corrects the problem check for above problems before replacing the Vacuum Switch.
- ✓Damage to gray wires between Circuit Board and Vacuum Switch - Inspect wires and connectors
- ✓Combustion Blower failure - The Combustion Blower is not turning fast enough to generate the proper vacuum in the Exhaust Channel. Visual Check; is the blower motor turning? Check the Exhaust Blower voltage across the blower wires ( $\geq 114$  V on #5 setting and  $\geq 82$  V on #1 setting). – Replace the Circuit Board if the Voltage reading is less than 82 V. with a line voltage  $> 114$  V AC.
- ✓Check Vacuum levels in the exhaust channel by bypassing the vacuum switch, then remove the Vacuum hose from Vacuum Switch. Check exhaust vacuum readings by placing the open end of the Vacuum Hose on a Magnahelic Gauge. (readings must be above .10" W.C. on low fire). If the motor fails to reach a 0.10" W.C. readings, then replace the Combustion Blower

**To reset Circuit Board after a trouble code - push the ON/OFF button**

## 5. Auger light flashes but auger motor does not turn at all.

- ✓If the Auger gear box does not turn but the motor's armature does try to spin then the auger is jammed. – Try to break apart jam by poking at the jam through the drop tube. If this fails then empty the hopper and remove the Auger Cover **\*\*Remember to re-seal the cover after installation\*\***
- ✓Check the fuse on the circuit board.

## 6. Light #4 – 200°F ( 93°C) high limit temperature sensor has tripped.

- ✓Reset sensor and determine cause – was it Convection Blower failure or 120 °F (49 °C) Temperature Sensor failure? Bypass the 120 °F (49 °C) sensor, does the Convection blower come on high? If not, replace the blower. If yes, replace sensor (located on the left side of the firewall).
- ✓Check the fuse on the circuit board.

## 7. The convection blower will not function normally.

- ✓Clean all grill openings at the back and below unit .
- ✓Press the fan button; does the fan come on? Press again to verify that the blower turns on; if, not contact your local dealer for service.

## 8. Ignitor- the pellets will not light.

- ✓Everything else in the stove operates but the ignitor will not light the pellets.
- ✓Make sure the burn pot liner is up tight and square to the ignitor tube by pushing the burn pot back against the ignitor tube.
- ✓Check to see if the exhaust blower is operating. If not, contact your local dealer for service.
- ✓Check the fuse on the circuit board.

**NOTE:** The ignitor should be bright orange in color. If not replace the ignitor.

## 9. Control settings (Heat Level) has no effect on the fire.

NOTE: If the system light is flashing the Control Board has complete control of the unit. When the units system light becomes solid then control of the unit is given back to the operator.

- ✓If there is no control of the Heat Level button make sure the thermostat is calling for heat.
- ✓Call your local dealer for service.

## 10. The stove keeps going out.

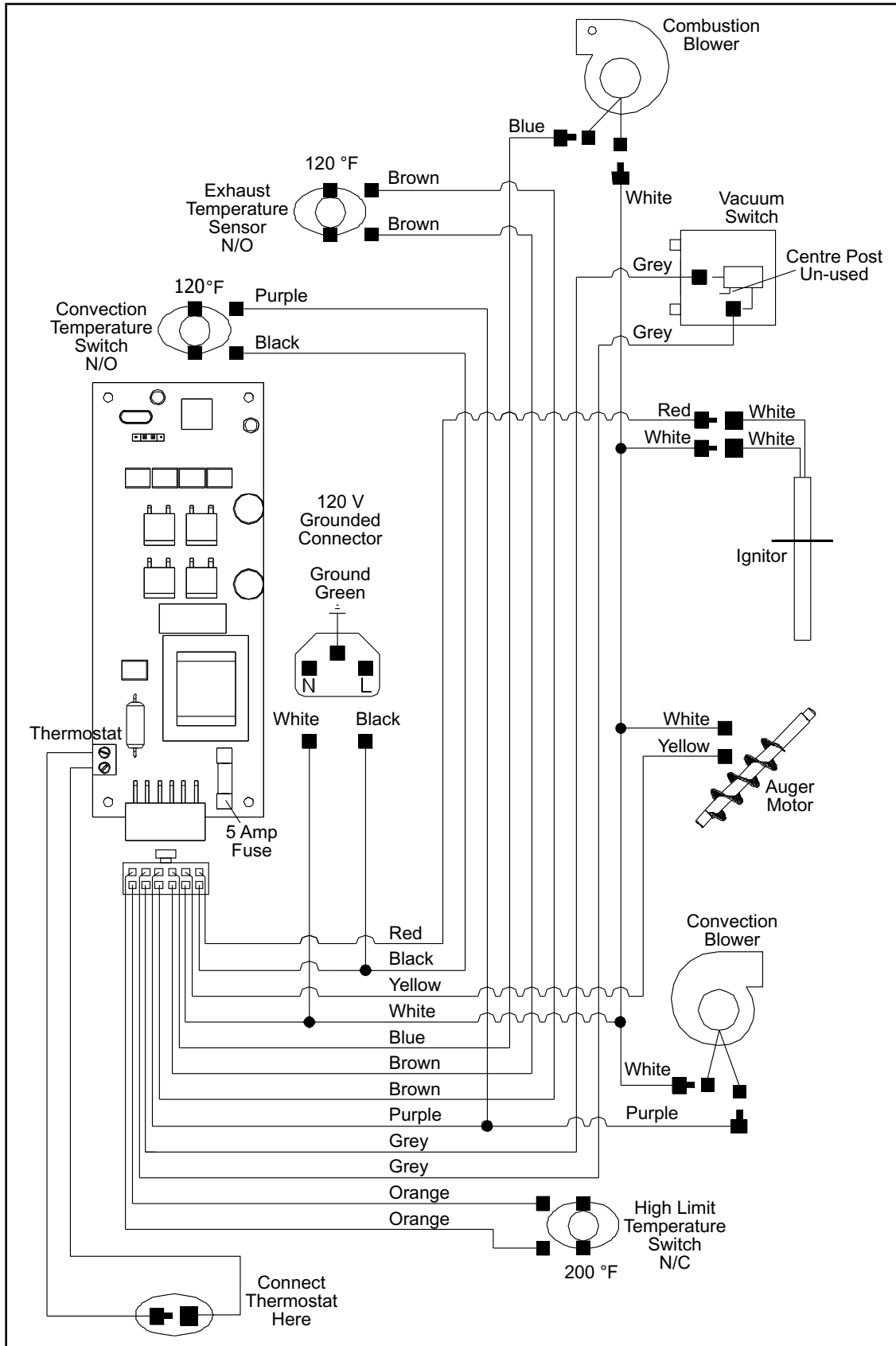
If the stove goes out and leaves fresh unburned pellets or cigarette-like ashes in the burn pot liner, the fire is going out before the stove shuts off.

- ✓Check to see that the Slider / Damper is in the correct position.
- ✓Turn the Heat Level up slightly (poor quality pellets will require slightly higher settings).
- ✓Set the auger trim till the #1 and #5 lights are illuminated.

If the stove goes out and there are partially burned pellets left in the burn pot liner, the stove has shut down due to a lack of air, exhaust temperature, or power failure.

- ✓Adjust the Slider / Damper.
- ✓Check to see if the stove needs a more complete cleaning.
- ✓Did the power go out?
- ✓Contact your local Dealer for service.

## WIRING DIAGRAM

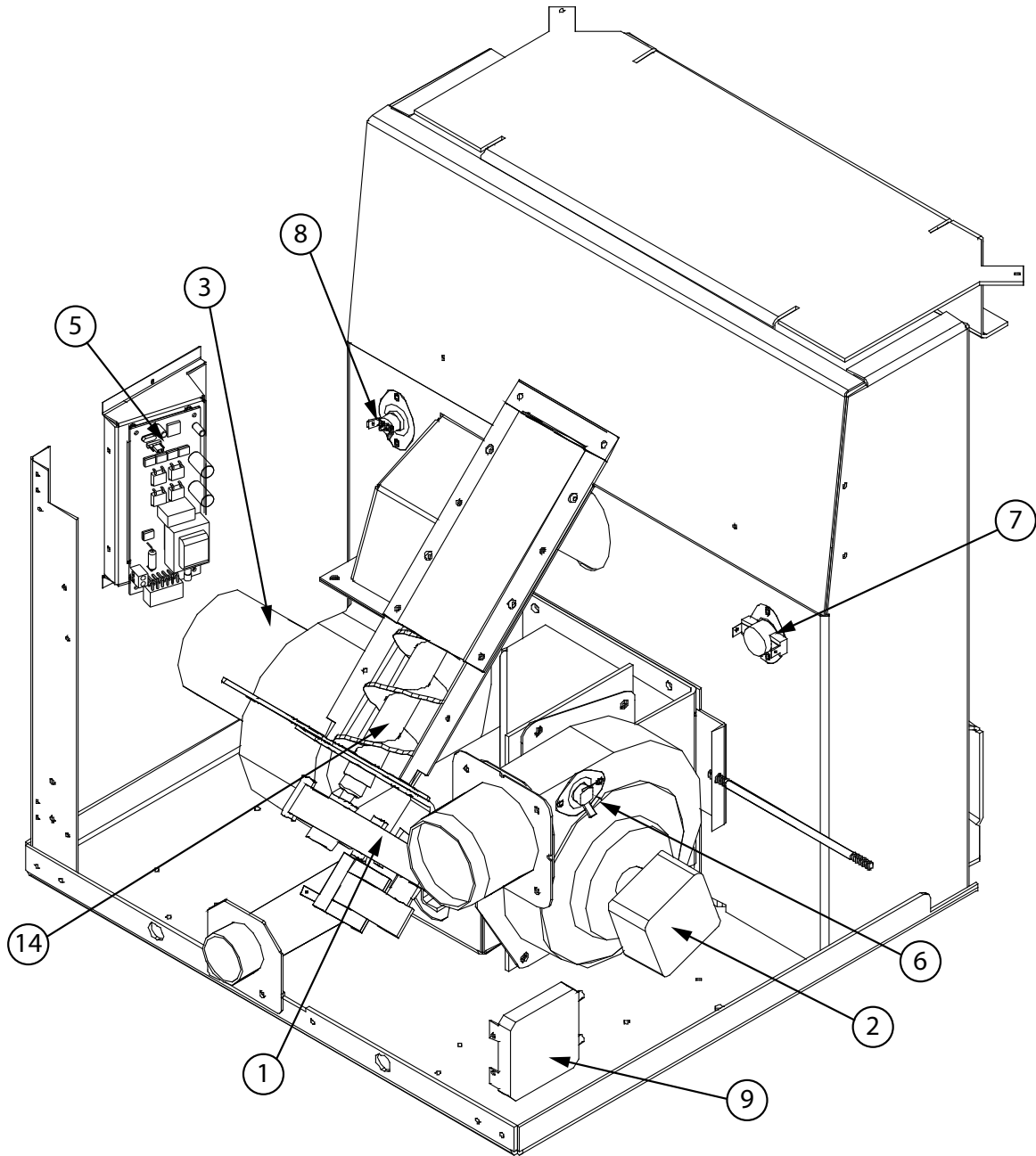


# PARTS LIST

## PARTS LIST & COMPONENTS

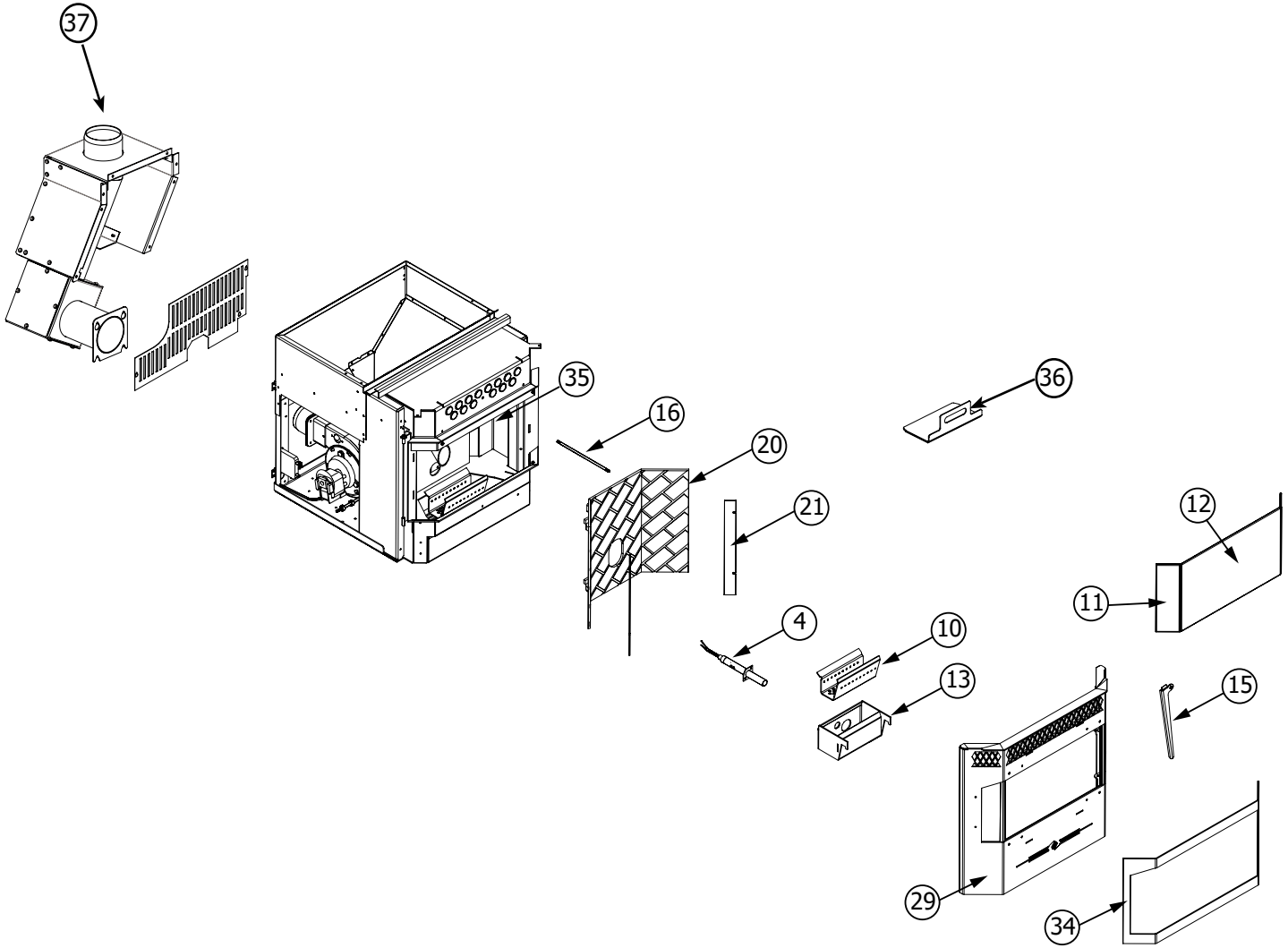
Part #	Description	Part #	Description
1) GF55-001	Auger Motor 115V 1 Rpm	15) GF55-040	Door Handle
2) GF55-002	Combustion Blower Motor Only 115V	GF55-041	Door Handle Bolt, Nut, Washer
3) GF55-003	Convection Blower 115V	16) GF55-042	Slider Damper Rod W/Knob
4) GF55-004	Ignitor 300 Watt 115V	GF55-046	Knob 1 in.
5) GF55-093	Circuit Board W/Tstat Switch 115V	GF55-047	Auger Collar W/Screw 3/4 in. ID
GF55-006	Circuit Board Fuse (Set 2)	19) GF55-054	Door Control Panel W/Hinge
GF55-007	Circuit Board Wire Harness	20) GF55-105	Brick Panel Set
GF55-094	Circuit Board Control Panel Decal	21) GF55-057	Retainers Brick Panel
6) GF55-009	120 Ceramic Exhaust Temp Sensor	22) GF55-058	Cover Hopper
7) GF55-009	120 Ceramic Convection Fan Sensor	23) GF55-059	Lid Hopper
8) GF55-011	200 High Limit Sensor Manual Reset	24) GF55-060	Ash Drawer
9) GF55-012	Vacuum Switch 115V	29) GF55-068	Main Door Complete Assembly
GF55-013	Silicone Hose	30) GF55-069	Front Top Assembly
GF55-014	Gasket Convection Blower Mtng	31) GF55-072	Control Panel W/Decal
GF55-015	Gasket Combustion Blower Assembly Mtng	32) GF155-910	Faceplate Regular
GF55-016	Gasket Combustion Blower Motor Mtng	33) GF155-912	Faceplate Oversize
GF55-017	Gasket Exhaust Starter Tube	34) GF55-921	Door Overlay Brush Nickel
GF55-018	Tape Window Channel 72 In.	GF55-923	Door Overlay Antique Copper
GF55-019	Gasket 5/8 In. Door 7 Ft	35) GF55-107	Air Wash Restrictor
GF55-020	Gasket Ped & Ash Pan 10 Ft	36) GF55-108	Ash Cover Plate
GF55-021	Fastener Bag Pellet Mechanical & Elec.	37) GF55-920	Top Vent Adaptor Kit
10) GF55-022	Burn Pot Liner SS High Ash	N/S GF55-103	Door Hinge Assembly
GF55-034	Burn Pot Liner Standard SS	N/S GF55-102	Extension Cord GF155
GF55-023	Scraper Tool Burn Pot	N/S 946-792	3" (76 mm) to 6" (152 mm) Flue Increaser
GF55-025	Power Cord Domestic		
GF55-026	Heyco Strain Relief		
GF55-027	Sholder Bolt, Roll, Nut GF55/GFI55 2 Set		
11) GF55-028	Glass Side GF55/GFI55		
12) GF55-029	Glass Front GF55/GFI55		
GF55-033	Exhaust Starter Tube 3x2.5 GF55/GFI55		
GF55-036	Cleaning Rod Heat Tube GF55/GFI55		
13) GF55-037	Burn Pot Assembly GF55/GFI55		
14) GF55-038	Auger GF55/GFI55		
GF55-039	Auger Brass Bushing & Plate GF55/GFI55		

## GFI55-2 PELLET INSERT

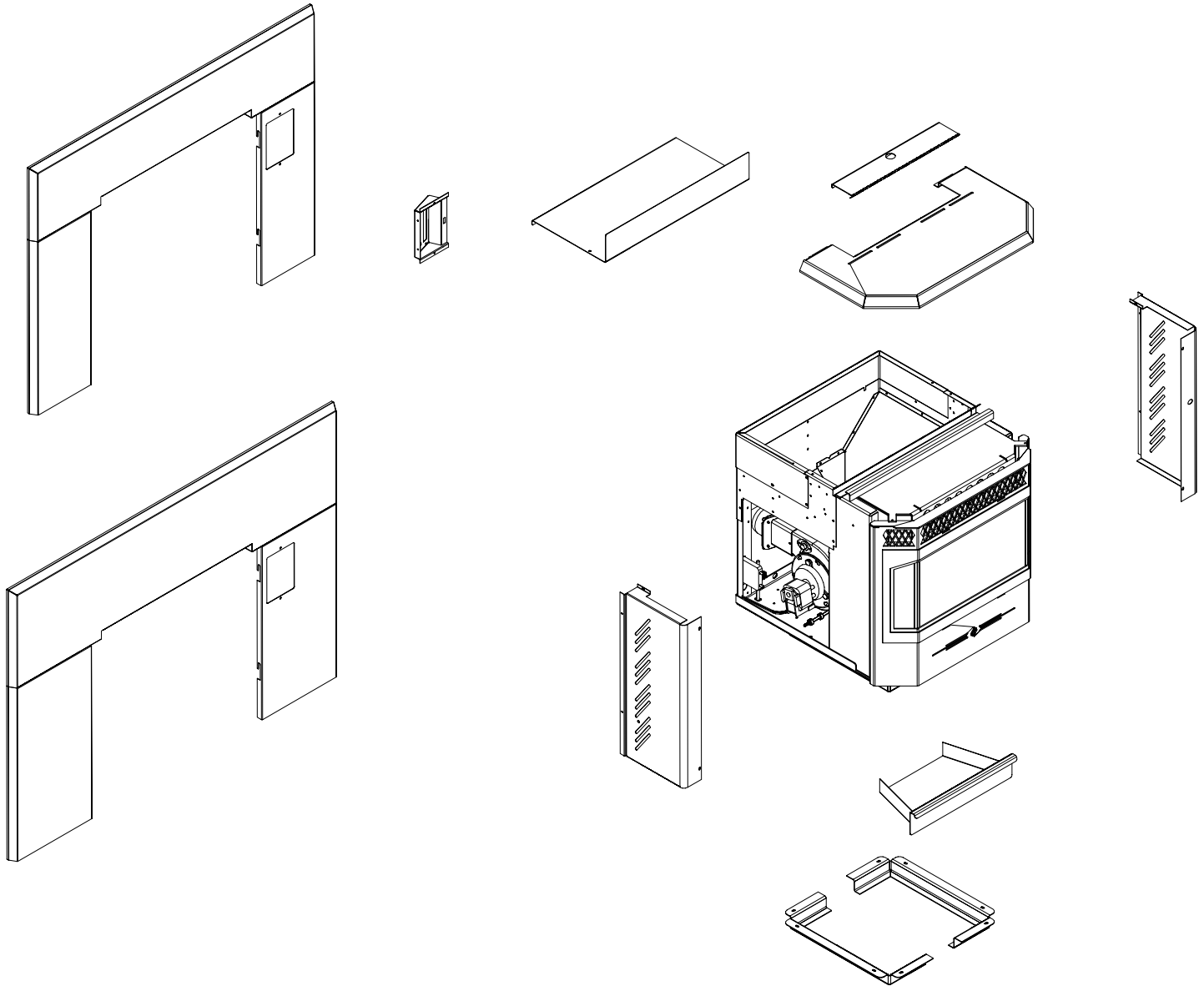


# PARTS LIST

## GFI55-2 PELLET INSERT



## GFI55-2 PELLET INSERT





# WARRANTY

## Indoor Pellet Product Warranty

### Limited Lifetime Warranty

FPI Fireplace Products International Ltd. (for Canadian customers) and Fireplace Products US, Inc. (for US customers) (collectively referred to herein as "FPI") extends this Limited Lifetime Warranty to the original purchaser of this Appliance provided the product remains in the original place of installation. The items covered by this Limited Lifetime Warranty and the period of such coverage are set forth in the table below.

\*The term "Limited Lifetime" in the table below is defined as **7 years** beginning the date when the Appliance was purchased. The "Limited Lifetime" warranty coverage period (**7 years**) reflects the minimum expected useful life of the designated Appliance or component under normal operating conditions. Some conditions apply (see below).

An Appliance in this policy is defined as an Indoor Pellet stove and Pellet insert.

**This Appliance has only been certified and listed for use indoors.**

This Limited Lifetime Warranty starts on the day the Appliance was purchased.

**The Limited Lifetime Warranty is not transferable, amendable or negotiable under any circumstances.**

Indoor Pellet Products Warranty Coverage for Components and labor is as follows:	Limited Lifetime Component Coverage 7 years	2 years	Subsidized Labour Coverage (Years)**
*Firebox/Heat exchanger	✓		2
*Surrounds, castings, door assembly.	✓		2
*Burn Pot, Log sets, Firebox panels,	✓		2
*Ceramic Glass (Thermal Breakage)	✓		2
*Pedestals, legs	✓		2
Burn Pot Liner		✓	2
Agitator		✓	2
Auger Motor, Combustion blower, Convection blower		✓	2
Wiring, all switches, Wiring harness, Powercords		✓	2
Circuit boards, Circuit board ribbon cable		✓	2
Vacuum switch, Ignitor, Air pump, Temperature sensors, Wall thermostat		✓	2
Auger		✓	2
Circuit Board Decals		✓	
Hopper Rails/ Baffle		✓	2

**Note:** Warranty coverage noted above may not be applicable as components/options vary based on appliance purchased.

### Conditions:

Warranty protects against defect in manufacture or FPI factory-assembled components only, unless herein specified otherwise.

**\*\*This warranty does not cover dealer travel costs, mileage, fuel, tolls for diagnostic or service work. All labor rates paid to authorized dealers are subsidized, pre-determined rates. Dealers may charge you for travel and additional time beyond their subsidy.**

Any part(s) found to be defective during the warranty period as outlined above will be repaired or replaced at FPI's option through an accredited distributor, dealer or pre-approved and assigned agent provided that the defective part is returned to the distributor, dealer or agent for inspection if requested by FPI. Alternatively, FPI



may, at its own discretion, fully discharge all of its obligations under warranty by refunding the verified purchase price of the product to the original purchaser. The purchase price must be confirmed by the original Bill of Sale.

**The authorized selling dealer, or an alternative authorized FPI dealer if pre-approved by FPI, is responsible for all in-field diagnosis and service work related to all warranty claims. FPI is not responsible for results or costs of workmanship of unauthorized FPI dealers or agents in the negligence of their service work.**

At all times, FPI reserves the right to inspect reported in the field/on location complaints of products claimed to be defective before processing or authorizing any claim. Failure to allow this upon request will void the warranty.

All warranty claims must be submitted by the dealer servicing the claim, including a copy of the Bill of Sale (proof of purchase by you). All claims must be complete and provide full details as requested by FPI to receive consideration for evaluation. **Incomplete claims may be rejected.**

**Replacement Appliances to the original purchaser are limited to one per warranty term.**

The Appliance must be installed according to all manufacturers' instructions as per the manual.

All Local and National required codes must be met.

The installer is responsible for ensuring the Appliance is operating as designed at the time of installation.

The original purchaser is responsible for the annual maintenance of the Appliance, as outlined in the owner's manual. As outlined below, the warranty may be voided due to problems caused by a lack of maintenance.

If freight damage has been found either externally or internally, the dealer must be informed within 3 days. All claims as a result of damage must be submitted by the dealer servicing the claim, including a copy of the Bill of Sale (proof of purchase). All claims must be complete and provide full details as requested by FPI to receive consideration for evaluation. **Incomplete claims may be rejected.**

As this is a **7-year** Limited Lifetime Warranty, if the Appliance needs to be replaced, the Appliance that was purchased at the time of sale might not be replaced with exactly the same model Appliance. In that case, FPI will replace your Appliance with one that is similar at the time of replacement under the terms of this Limited Lifetime Warranty, but **ONLY** in the event that an item covered by the Limited Lifetime Warranty is found to be defective. Please refer to the table on first page of this warranty for items covered by the Limited Lifetime Warranty. Product changes might be the result of the original Appliance being discontinued, changes in regulatory requirements, product advancements, etc., which are beyond the control of FPI. **This Limited Lifetime Warranty does not cover any installation costs, or costs associated with changes of required clearances for the replacement Appliance, hearth pads, mantles, facing and/or facing materials such as framing, completed walls made of drywall, wood, non-combustible board, tile, brick, stone, marble etc., venting/chimney systems, or components of the chimney system.**

If a suitable replacement is not available, FPI will refund **50%** of the purchase price of the Appliance and any applicable FPI accessories (faceplates, brick panels, media, etc.) purchased at the time of sale. **In no event will FPI refund any portion of the purchase price of, or reimburse costs associated with, any other items, including without limitation, installation of a new Appliance, changes of required clearances for a new Appliance, hearth pads, mantles, facing and/or facing materials such as framing, completed walls made of drywall, wood, non-combustible board, tile, brick, stone, marble etc., venting/chimney systems, or components of the chimney system. A copy of the receipt or bill of sale will be necessary to validate the purchase price.**

Purchased parts: Repair/replacement parts purchased by the consumer from FPI after the original coverage has expired on the Appliance will carry a **90-day** warranty from the purchase date, valid with a receipt only. Any item shown to be defective will be repaired or replaced at our discretion. No labor coverage is included with these parts.

#### **Exclusions:**

This Limited Lifetime Warranty does not extend to paint, rust or corrosion of any kind due to a lack of maintenance or improper venting, combustion air provision, corrosive chemicals (i.e. chlorine, salt, air, etc.), inner panels, door or glass gasketing, or any other additional factory fitted gasketing, color fading, carbon/sooting of the log sets due to use.

Malfunction, damage or performance based issues as a result of environmental conditions, location, chemical damages, downdrafts, installation error, an installation by an unqualified installer, incorrect chimney components (including but not limited to cap size or type), operator error, abuse, misuse, use of improper fuels (plastics, garbage, solvents,

# WARRANTY

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cardboard, coal or coal products, oil-based products, waxed cartons, compressed pre-manufactured logs), lack of regular maintenance and upkeep, acts of God, weather-related problems from hurricanes, tornados, earthquakes, floods, lightning strikes/bolts or acts of terrorism or war, which result in a malfunction of the Appliance are not covered under the terms of this Limited Lifetime Warranty.

FPI has no obligation to enhance or modify any Appliance once manufactured (i.e. as products evolve, field modifications or upgrades will not be performed on existing Appliances).

**This warranty does not cover dealer travel costs, mileage, fuel, tolls for diagnostic or service work. All labor rates paid to authorized dealers are subsidized, pre-determined rates. Dealers may charge you for travel and additional time beyond their subsidy.**

Any Appliance showing signs of neglect or misuse will not be covered under the terms of this warranty policy and may void this warranty, including Appliances with rusted or corroded fireboxes that have not been reported as rusted or corroded within **three (3)** months of installation/purchase.

Appliances which show evidence of being operated while damaged, or with problems known to the purchaser and causing further damages will void this warranty.

Appliances where the serial no. has been altered, deleted, removed or made illegible will void this warranty.

Minor movement, expansion and contraction of the steel is normal and is not covered under the terms of this warranty.

Freight damages for products or parts are not covered under the terms of this warranty.

Products made or provided by other manufacturers and used in conjunction with the FPI Appliance without prior authorization from FPI may void this warranty.

## **Limitations of Liability:**

The original purchaser's exclusive remedy under this warranty, and FPI's sole obligation under this Limited Lifetime Warranty, express or implied, in contract or in tort, shall be limited to replacement, repair, or refund, as outlined above. IN NO EVENT WILL FPI BE LIABLE UNDER THIS WARRANTY FOR ANY INCIDENTAL OR CONSEQUENTIAL COMMERCIAL DAMAGES OR DAMAGES TO PROPERTY. TO THE EXTENT PERMITTED BY APPLICABLE LAW, FPI MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE. IF IMPLIED WARRANTIES CANNOT BE DISCLAIMED, THEN SUCH WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some US states do not allow limitations on how long an implied warranty lasts, or allow exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

Customers located outside the US should consult their local, provincial or national legal codes for additional terms which may apply to this warranty.

## **How to Obtain Warranty Service:**

Customers should contact the authorized selling dealer to obtain warranty service. In the event the authorized selling dealer is unable to provide warranty service, please contact FPI by mail at the address listed below. Please include a brief description of the problem and your address, email and telephone contact information. A representative will contact you to make arrangements for an inspection and/or warranty service.

### Canadian Warrantor:

**FPI Fireplace Products  
International Ltd.**  
6988 Venture St. Delta,  
British Columbia Canada,  
V4G 1H4

### US Warrantor:

**Fireplace Products U.S., Inc.**  
PO Box 2189 PMB 125  
Blaine, WA  
United States, 98231

Or contact the Regency Customer Care Centre at 1-800-442-7432 (phone) / 604-946-4349 (fax)  
/customerservice@regency-fire.com (e-mail)

**Product Registration and Customer Support:**

Thank you for choosing a Regency Fireplace. Regency strives to be a world leader in the design, manufacture, and marketing of hearth products. To provide the best support for your product, we request that you complete a product registration form at <http://www.regency-fire.com/Customer-Care/Warranty-Registration.aspx> within **ninety (90)** days of purchase.

# WARRANTY



## Product Registration and Customer Support:

Thank you for choosing a Regency Fireplace. Regency strives to be a world leader in the design, manufacture, and marketing of hearth products. To provide the best support for your product, we request that you complete a product registration form found on our Web Site under Customer Care within ninety (90) days of purchase.

For purchases made in **CANADA or the UNITED STATES:**

<http://www.regency-fire.com/Customer-Care/Warranty-Registration.aspx>

For purchases made in AUSTRALIA:

<http://www.regency-fire.com.au/Customer-Care/Warranty-Registration.aspx>

You may also complete the warranty registration form below to register your Regency Fireplace Product and mail and/or fax it back to us, and we will register the warranty for you. It is important you provide us with all the information below in order for us to serve you better.

## Warranty Registration Form (or Register online immediately at the above Web Site):

<b>Warranty Details</b>	
Serial Number (required):	
Purchase Date (required) (mm/dd/yyyy):	
<b>Product Details</b>	
Product Model (required):	
<b>Dealer Details</b>	
Dealer Name (required):	
Dealer Address:	
Dealer Phone #:	
Installer:	
Date Installed (mm/dd/yyyy):	
<b>Your Contact Details (required)</b>	
Name:	
Address:	
Phone:	
Email:	

For purchases made in CANADA:

### FPI Fireplace Products International Ltd.

6988 Venture St.  
Delta, British Columbia  
Canada, V4G 1H4

Phone: 604-946-5155  
Fax: 1-866-393-2806

For purchases made in the UNITED STATES:

### Fireplace Products US, Inc.

PO Box 2189 PMB 125  
Blaine, WA  
United States, 98231

Phone: 604-946-5155  
Fax: 1-866-393-2806

For purchases made in AUSTRALIA:

### Fireplace Products Australia Pty Ltd

99 Colemans Road  
Dandenong South, Vic.  
Australia, 3175

Phone: +61 3 9799 7277  
Fax: +61 3 9799 7822

For fireplace care and tips and answers to most common questions please visit our Customer Care section on our Web Site. Please feel free to contact your selling dealer if you have any questions about your Regency product.



# recycling

**PRODUCT LIFE CYCLE:**

By recycling your used appliances, you divert waste from your local landfills and help the environment. You also reduce the need for raw materials to manufacture new products. Contact your local municipality for appliance recycling services, local recycling programs, or appliance removal services to ensure your Regency appliance components, and packaging are properly recycled.



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***Installer: Please complete the following information***

**Dealer Name & Address:** \_\_\_\_\_

\_\_\_\_\_

**Installer:** \_\_\_\_\_

**Phone #:** \_\_\_\_\_

**Date Installed:** \_\_\_\_\_

**Serial #:** \_\_\_\_\_