



Energy™ E18E Gas Insert

Owners &
Installation Manual



www.regency-fire.com

MODELS: E18E-NG Natural Gas E18E-LP Propane

⚠ WARNING

FIRE OR EXPLOSION HAZARD

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

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

Tested by:



*Installer: Please complete the details on the back cover
and leave this manual with the homeowner.
Homeowner: Please keep these instructions for future reference.*

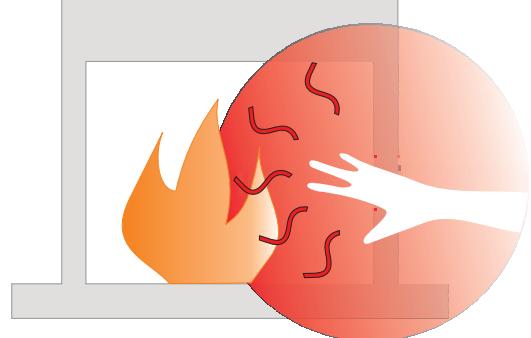
CONGRATULATIONS!

You are the owner of a state-of-the-art Gas Insert by:
FPI FIREPLACE PRODUCTS INTERNATIONAL LTD.

The **Regency® Gas Fireplace Series** has been designed to provide you with all the warmth and charm of a fireplace, at the flick of a switch. The models E18E-NG and E18E-LP of this series have been approved by Intertek/Warnock Hersey for safety. As it also bears our own mark, it promises to provide you with economy, comfort and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Regency® Fireplace.



DANGER



HOT GLASS WILL CAUSE BURNS

DO NOT TOUCH GLASS UNTIL COOLED

NEVER ALLOW CHILDREN TO TOUCH GLASS

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at risk individuals.

CAUTION:

HOT WHILE IN OPERATION. DO NOT TOUCH.
SEVERE BURNS MAY RESULT. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE, AND ANY LIQUIDS WITH FLAMMABLE VAPOURS AWAY.

KEEP BURNER AND CONTROL COMPARTMENT CLEAN.
SEE INSTALLATION AND OPERATING INSTRUCTIONS ACCOMPANYING APPLIANCE.

919-358



UNIT DIMENSIONS

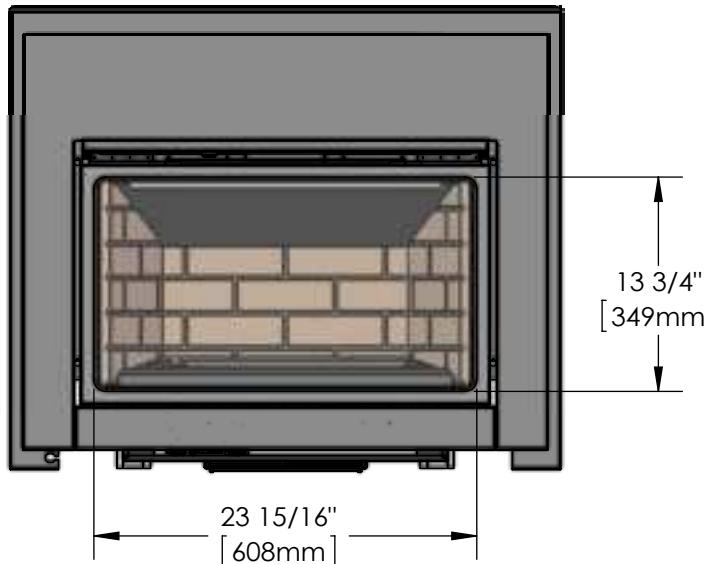
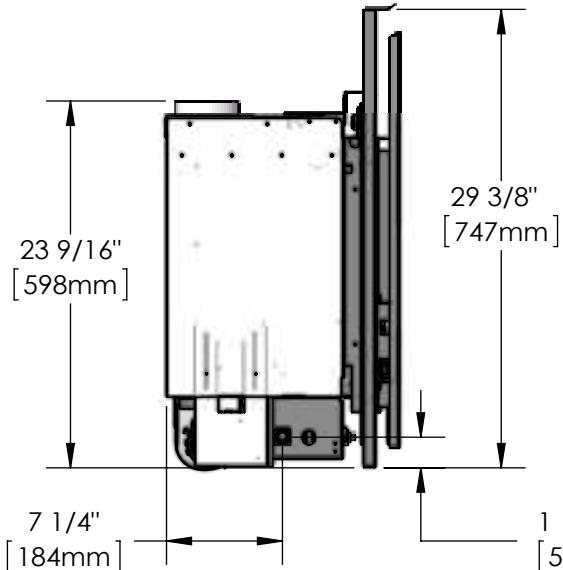
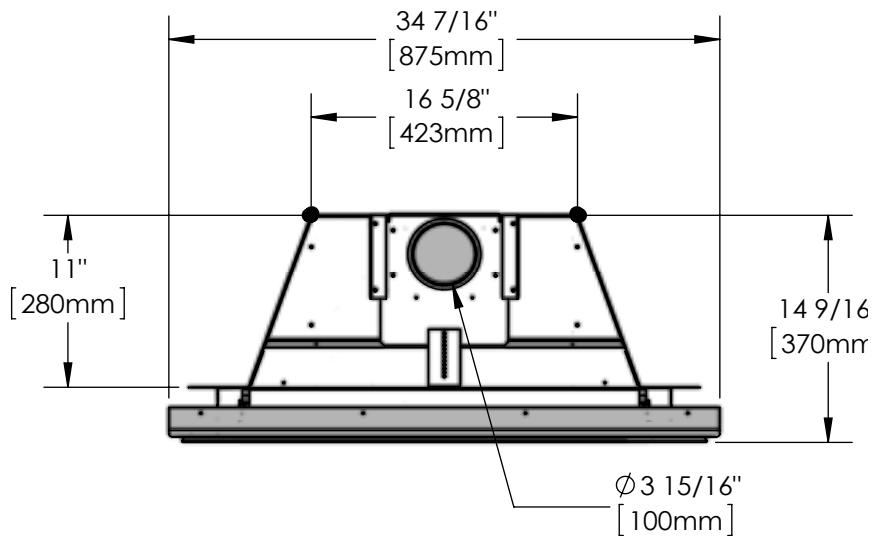
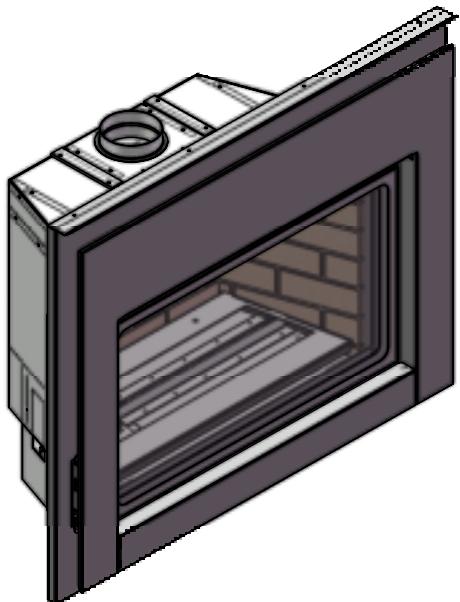


Diagram 1.1

616-924 -- Low Profile Faceplate shown

Overall Faceplate Dimensions:

616-920 - Low Profile Faceplate (Firesong FS220N) 35 5/8" wide x 29 5/8" High

616-921 - Low Profile Faceplate (Montigo 28F/28F-2/28F-3) 34 1/4" Wide x 28 1/2" High

616-924 - Low Profile Faceplate (Montigo EP28-4/EP28-5/EconoPlus 28C) 34 7/16" wide X 29 3/8" High

616-926 - Low Profile Faceplate (Montigo 36SR) 34 3/8" Wide X 27 1/4" High

616-928 - Low Profile Faceplate (Firesong FS120N) 32 5/8" Wide X 28 1/4" High

617-948 - Low Profile Faceplate Zero Clearance Applications 34 7/8" Wide X 29 3/8" High

NOTE: also includes a perimeter finishing trim 37 3/8" Wide X 32 1/4" High

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This is a copy of the label that accompanies each Regency® Gas Insert. We have printed a copy of the contents here for your review. The safety label is located on the front inside base of the unit visible when the bottom louver is open.

Note: Regency® units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

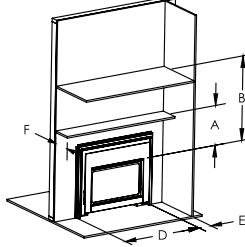
Please note that with the addition of thermostat control and outside combustion air supply, this unit is approved for bedroom installations.

For the State of Massachusetts, installation and repair must be done by a plumber or gasfitter licensed in the Commonwealth of Massachusetts.

For the State of Massachusetts, flexible connectors shall not exceed 36 inches in length.

For the State of Massachusetts, the appliances individual manual shut-off must be a t-handle type valve.

The State of Massachusetts requires the installation of a carbon monoxide alarm in accordance with NFPA 720 and a CO alarm with battery back up in the same room where the gas appliance is installed.

455	Duplicate Serial number																														
DO NOT REMOVE THIS LABEL / NE PAS ENLEVER CETTE ÉTIQUETTE																															
455	Serial No. / No de série																														
Listed: VENTED GAS FIREPLACE HEATER / FOYER AU GAZ À ÉVACUATION Certified for/Certifiée pour: CANADA and U.S.A. Tested to: CAN/CGA-2.17-M91(2014) Conforms to: ANSI Z21.88-2016 Certified to: CSA 2.33-2016																															
Model: E18E-NG NATURAL GAS FIREPLACE INSERT: MODEL E18E-NG Factory Equipped For Altitude 0-4500ft. (0-1370m)																															
<table border="0"> <tr> <td>Min. supply pressure</td> <td>5"</td> <td>WC</td> <td>(1.25kPa)</td> </tr> <tr> <td>Low Setting Man. pressure</td> <td>1.6"</td> <td>WC</td> <td>(0.40kPa)</td> </tr> <tr> <td>Max. Manifold pressure</td> <td>3.5"</td> <td>WC</td> <td>(0.87kPa)</td> </tr> <tr> <td>Orifice size</td> <td>44</td> <td>DMS</td> <td>(2.64mm)</td> </tr> <tr> <td>Minimum input</td> <td>15,000</td> <td>Btu/h</td> <td>(4.40kW)</td> </tr> <tr> <td>Altitude</td> <td>0-4500ft</td> <td></td> <td>(0-610m)</td> </tr> <tr> <td>Maximum input</td> <td>21,600</td> <td>Btu/h</td> <td>(6.33kW)</td> </tr> </table>				Min. supply pressure	5"	WC	(1.25kPa)	Low Setting Man. pressure	1.6"	WC	(0.40kPa)	Max. Manifold pressure	3.5"	WC	(0.87kPa)	Orifice size	44	DMS	(2.64mm)	Minimum input	15,000	Btu/h	(4.40kW)	Altitude	0-4500ft		(0-610m)	Maximum input	21,600	Btu/h	(6.33kW)
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 <p>This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1, or Natural Gas and Propane Installation Code, CSA B149.1. 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 re-approved by the authority having jurisdiction. Cet appareil doit être installé selon les codes et règlements locaux, ou, en leur absence, se conformer au National Fuel Gas Code, ANSI Z223.1, ou au Natural Gas and Propane Installation Code, CSA B149.1. AVERTISSEMENT : Ce foyer a été converti pour utilisation avec un foyer au gaz encastrable et ne peut être utilisé pour brûler du bois ou d'autres combustibles solides à moins que toutes les pièces d'origine aient été remplacées et que le foyer ait été approuvé de nouveau par l'autorité compétente. This vented gas fireplace heater is not for use with air filters. Ne pas utiliser de filtre à air avec ce foyer au gaz à évacuation. For use with glass doors certified with the appliance only Pour utilisation uniquement avec les portes en verre certifiées avec l'appareil</p>																															
<p>VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUELS. / FOYER AU GAZ À ÉVACUATION - NE PAS UTILISER AVEC DU COMBUSTIBLE SOLIDE.</p> <p>Electrical supply / Alimentation électrique 115VAC, 2.5 A, 60Hz, Less than 10A Fan Part # 911-071 For Use Only with Barrier (Part #616-929) Utiliser uniquement avec l'écran (n ° 616-929) FPI Fireplace Products International Ltd. Delta BC, CANADA MADE IN CANADA / FABRIQUÉ AU CANADA 919-789C</p>																															

6 | requirements

MA Code - CO Detector (for the State of Massachusetts only)

5.08: Modifications to NFPA-54, Chapter 10

(2) Revise 10.8.3 by adding the following additional requirements:

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

1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gasfitter 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 gasfitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors

- a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.
- b. 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.

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.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "**GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS**".

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.

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

1. 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
2. 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.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

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

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and
2. 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.

(e) 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.

BEFORE YOU START

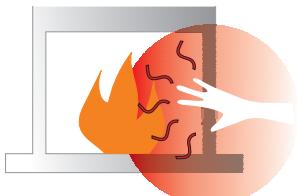
Safe installation and operation of this appliance requires common sense, however, we are required by the Canadian Safety Standards and ANSI Standards to make you aware of the following:

INSTALLATION AND REPAIR SHOULD BE DONE BY AN AUTHORIZED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGeways OF THE APPLIANCE BE KEPT CLEAN.

DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.

WARNING: FAILURE TO INSTALL THIS APPLIANCE CORRECTLY WILL VOID YOUR WARRANTY AND MAY CAUSE A SERIOUS HOUSE FIRE.

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES, ESPECIALLY THE FIREPLACE GLASS, AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.



YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME AREA AS THE APPLIANCE. TODDLERS, YOUNG CHILDREN AND OTHERS MAY BE SUSCEPTIBLE TO ACCIDENTAL CONTACT BURNS. A PHYSICAL BARRIERS 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.

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

A BARRIER DESIGNED TO REDUCE THE RISK OF BURNS FROM THE HOT VIEWING GLASS IS PROVIDED WITH THIS APPLIANCE AND SHALL BE INSTALLED FOR THE PROTECTION OF CHILDREN AND OTHER AT-RISK INDIVIDUALS

IF THE BARRIER BECOMES DAMAGED, THE BARRIER SHALL BE REPLACED WITH THE MANUFACTURER'S BARRIER FOR THIS APPLIANCE.

ANY SAFETY SCREEN, GUARD, OR BARRIER REMOVED FOR SERVICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

IMPORTANT MESSAGE SAVE THESE INSTRUCTIONS

The Regency® Gas Fireplace must be installed in accordance with these instructions. Carefully read all the instructions in this manual first. Consult the "authority having jurisdiction" to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with the manufacturer's instructions and all applicable codes.

GENERAL SAFETY INFORMATION

The condition of the appliance, that the E18E is to be installed into, shall be in accordance with reasonable concepts of safety, substantiality and durability. Component parts shall be well fitted and not show signs of becoming warped, bent, broken or otherwise damaged during the installation. Every part of the appliance shall be secured against displacement and constructed to maintain a fixed relationship between essential parts under normal and reasonable conditions of handling and usage.

1. The appliance installation must conform with local codes or, in the absence of local codes, with the current Canadian or National Gas Codes, CAN1-B149 or ANSI Z223.1 Installation Codes.

2. The appliance when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes with the current National Electrical Code, ANSI/NFPA 70 or CSA C22.1 Canadian Electrical Code.
3. See general construction and assembly instructions. The appliance and vent should be enclosed.
4. This appliance must be connected to the specified vent and termination cap to the outside of the building envelope. Never vent to another room or inside a building. Make sure that the vent is installed as per Venting instructions.
5. This appliance may only be installed in an approved zero clearance gas appliances listed in this manual, or as a zero clearance appliance.
6. This appliance is Listed for bedroom installations when used with a Listed Millivolt Thermostat. Outside combustion air supply is also required. Some areas may have further requirements, check local codes before installation.
7. This appliance is Listed for Alcove installations, maintain minimum Alcove clearances as follows, minimum ceiling height of 37-7/8" from the top of the glass door, minimum width of 49" and a maximum depth of 29".
8. Inspect the venting system annually for blockage and any signs of deterioration.
9. Any safety glass removed for servicing must be replaced prior to operating the appliance.
10. To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace insert.
11. Wear gloves and safety glasses for protection while doing required maintenance.
12. Ensure adequate combustion and ventilation air.
13. Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance.
14. Installation and any repairs to this appliance should be done by a qualified service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.
15. Unit is not designed to be installed with a power vent system.
16. Do not slam shut or strike the glass door.



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

919-874

17. Under no circumstances should any solid fuels (wood, paper, cardboard, coal, etc.) be used in this appliance.
18. The appliance area must be kept clear and free of combustible materials, (gases and other flammable vapours and liquids).
19. 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 electrical control system and any gas control which has been under water.
20. **WARNING: Failure to position the parts in accordance with the diagrams in this manual or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.**
21. **WARNING: Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shut-off system can result in carbon monoxide (CO) poisoning and possible death.**

INSTALLATION CHECKLIST

1. Locate your appliance. Refer to the "Clearances to Combustibles" and "Minimum Fireplace Clearances" sections.
2. Make gas and electrical connections. Refer to the "Gas Connection" section.

Test the pilot. Refer to the "Pilot Adjustment" section.
3. Install Flue Connector. Refer to the section on installation specifications.
4. Install vent. Refer to the "Venting" section.
5. Test Gas pressure. Refer to the "Gas Pipe Pressure Testing" section.

Check aeration. Refer to the "Gas Insert Aeration System" section.
6. Test for flue spillage. Refer to the "Drafthood Check" section.
7. Install standard and optional features. Refer to the following sections where applicable:
 - a. Brick or Enamel Panels
 - b. Faceplate & Trim
 - c. Circulation Fan
 - d. Remote Control
 - e. Wall Switch
 - f. Wall Thermostat
8. Final check. Refer to the "Final Check" section.

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and operation fully explained to customer.

This includes:

1. Clocking the appliance to ensure the correct firing rate (rate noted on label) after burning appliance for 15 minutes.
2. If required, adjusting the primary air to ensure that the flame does not carbon. First allow the unit to burn for 15-20 min. to stabilize.
3. Ensure that the appliance is venting correctly.

CAUTION: Any alteration to the product that causes sooting or carboning that results in damage is not the responsibility of the manufacturer.

Specifications		
For Altitude:	Natural Gas	0-4500 ft.
	Propane:	0-4500 ft.
Burner Orifice Sizes:		
Burner	Natural Gas #44	Propane #55
Max. Input Rating		
- Natural Gas	21,600 Btu/h	
- Propane	20,500 Btu/h	
Min. Input Rating		
- Natural Gas +/-5%	15,000 Btu/h	
- Propane +/-5%	17,000 Btu/h	
Supply Pressure		
Natural Gas	min. 5.0" w.c.	
Propane	min. 12.0" w.c.	
Manifold Pressure (High)		
Natural Gas	3.5" +/- 0.2" w.c.	
Propane	10" +/- 0.2" w.c.	
Circulation Fan: 120 VAC, 60 Hz		
Variable Speed: 127 CFM, thermally activated		

GAS CONNECTION

Only persons licensed to work with gas piping may make the necessary gas connections to this appliance.

The gas connection is a 1/2" NPT accessible on the left side of the unit. The gas line connection may be made of rigid pipe, copper pipe or an approved flex connector. (If you are using rigid pipe, ensure that the valve can be removed for servicing.) Since some municipalities have additional local codes it is always best to consult with your local authorities and the CAN/CGA B149 installation code.

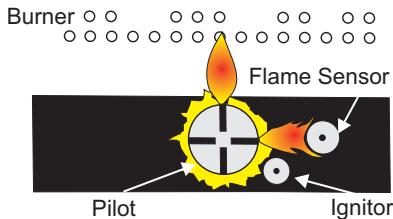
For USA installations follow local codes and/or the current National Fuel Gas Code, ANSI Z223.1.

When using copper or flex connectors use only approved fittings. Always provide a union so that gas lines can be easily disconnected for burner or fan servicing. Flare nuts for copper lines and flex connectors are usually considered to meet this requirement.

Important: Always check for gas leaks with a soap and water solution or gas leak detector. Do not use open flame for leak testing.

PILOT ADJUSTMENT

Periodically check the pilot flames. Correct flame pattern has two strong blue flames: 1 flowing around the flame sensor and 1 flowing across the burner (it does not have to be touching the burner).



Note: If you have an incorrect flame pattern, contact your Regency® dealer for further instructions.

Incorrect flame pattern will have small, probably yellow flames, not coming into proper contact with the rear burner or flame sensor.

GAS PIPE PRESSURE TESTING

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig. (3.45 kPa). Disconnect piping from valve at pressures over 1/2 psig.

The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point.

Note: To properly check gas pressure, both inlet and manifold pressures should be checked using the valve pressure ports on the valve.

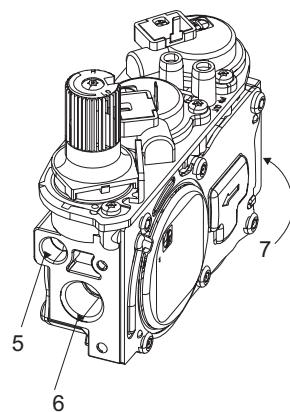
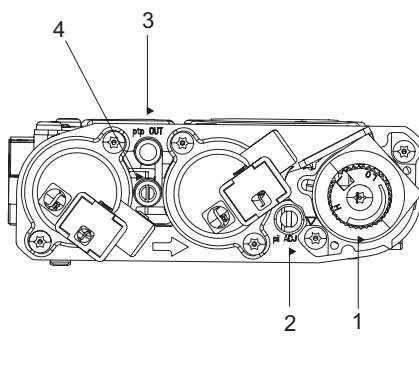
1. Make sure the switch is in the "OFF" position.
2. Loosen the "IN" and/or "OUT" pressure tap(s), turning counterclockwise with a 1/8" wide flat screwdriver.
3. Attach manometer to "IN" and/or "OUT" pressure tap(s) using a 5/16" ID hose.
4. Light the pilot by turning the switch to "ON" position.
5. The pressure check should be carried out with the unit burning and the setting should be within the limits specified on the safety label.
6. When finished reading manometer, turn off the gas valve, disconnect the hose and tighten the screw (clockwise) with a 1/8" flat screwdriver. **Note: Screw should be snug, but do not over tighten.**

HIGH ELEVATION

This unit is approved in Canada for altitude to 4500 ft. (CAN/CGA-2.17-M91). For Natural Gas installations above 4500 ft. follow current CAN/CGA-B149.1.

886 S.I.T. VALVE DESCRIPTION

- 1) Manual high/low adjustment
- 2) Pilot adjustment
- 3) Outlet Pressure Tap
- 4) Inlet Pressure Tap
- 5) Pilot Outlet
- 6) Main Gas Outlet
- 7) Main Gas Inlet



INSTALLATION CHECKLIST

1. Verify the model of the existing appliance you are installing into is one of the following approved units:

Montigo EP28-2
Montigo EP28-4
Montigo EP28-5
Montigo Econo Plus 28C
Montigo EP28-S2
Montigo 36SR (Non powervent unit)
Montigo 28F-3
Montigo 28F-2
Montigo 28-F
Firesong 220N
Firesong 120N

2. Verify all clearances are at least the specified clearances.
3. Inspect existing venting and appliance for signs of wear and durability.
4. Determine the route for the electrical for the circulation fan. The circulation fan is not optional.
5. Determine the route for the gas supply. The valve has a 1/2" Male Flare on the left side of the E18E. Some modification may need to be made to a hard lined gas supply to connect to the E18E.
6. Clean out the existing appliance of all dust and debris.
7. Make the appropriate modifications to the existing appliance specified in the "Existing Appliance Modification" section of the manual. Make sure when done there are no sharp edges exposed to a person during operation of the unit.
8. Unpack the E18E from the box and disassemble.
9. Install the E18E into the existing unit as per instructions.
10. Connect Gas Supply.
11. Connect Circulation Fan Power Cord.
12. Test Fire the E18E and check gas pressures and confirm Circulation Fan begins operation with 10 minutes of firing the unit.
13. Check draft hood for spillage as per instructions.
14. Install Trim Kit as per instructions.

MATERIALS REQUIRED

Electrical power supply is required for the circulation fan. A 120 Volt AC power cord is hooked up to the fan. Plug the 3 wire cord into a suitable receptacle. Do not cut the ground terminal off under any circumstances. When connected with 120 volts, the appliance must be electrically grounded in accordance with local codes, or in the absence of local codes, with the current Canadian Electrical Code CSA C22.1 (in Canada) or with the current National Electrical Code ANSI/NFPA 70-1987 (in U.S.A.).

NOTE: This unit is equipped with a heat sensor thermodisc which will prevent the blower from operating until the unit reaches the correct temperature.

VENTING

THE APPLIANCE MUST NOT BE CONNECTED TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

This appliance is designed to attach to a 4" diameter type B-Vent or double thickness approved aluminium flex liner.

VENTING CONFIGURATIONS

The E18E is approved to be attached to any of the approved appliances listed in the Installation Checklist. The existing unit must be connected to B-Vent Pipe having at least 8 feet of vertical venting and can have a maximum of 6 feet horizontal venting with two 90 degree elbows. The venting must terminate vertically with an approved B-Vent Cap.

All horizontal runs must maintain a 1/4" of rise for every foot of horizontal run.

The flue collar of the appliance will fit inside a standard vent and may be fastened directly to the vent using a minimum of 3 sheet metal screws or a B-Vent, single wall vent connector. B-Vent chimneys require a 1" clearance to combustibles.

The Regency® Insert incorporates its own internal draft hood, so no additional external draft hood is required. Check periodically that the vent is unrestricted and an adequate draft is present when the unit is in operation.

Before installing the vent system ensure that the damper plate is locked into the open position and secure to prevent the damper plate from falling down and crushing the liner.

The appliance is equipped with a vent safety shutoff system and a safety control system designed to protect against improper venting of combustion products. The appliance will not function without being connected to a proper system.

WARNING: Operation of this heater when not connected to a properly installed and maintained venting system or tampering with the vent shut-off system can result in carbon monoxide (CO) poisoning and possible death.

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

For best venting performance, we **recommend** the following venting rules:

1. Use only certified Type B gas vent or approved flex liner.
2. Follow the vent manufacturer's instructions and clearance requirements.
3. Observe any local code restrictions, if any, regarding the installation of gas inserts.
4. Use as few elbows as possible.
5. Keep horizontal lengths as short as possible and maintain at least an upward slope of 1/4 in. (6.4mm) for every 12 in. (305mm) of horizontal run.
6. Terminate the vent with a suitable certified vent cap.

MINIMUM FIREPLACE CLEARANCES TO COMBUSTIBLES

Diagram shows the minimum clearances to any combustible material. Installer must check that all installs maintain at least these clearances..

The minimum clearance from the side of the appliance to a combustible side wall is 9" (229mm). The minimum clearance from the bottom edge of the front trim above the window to a combustible mantel is 17- 7/8 " (454 mm). The minimum height from bottom edge of the front trim above the window to the ceiling is 37-7/8"(962 mm).

Note: A non-combustible mantel and framing may be installed at a closer tolerance if the framing is made of metal studs covered with a non-combustible board.

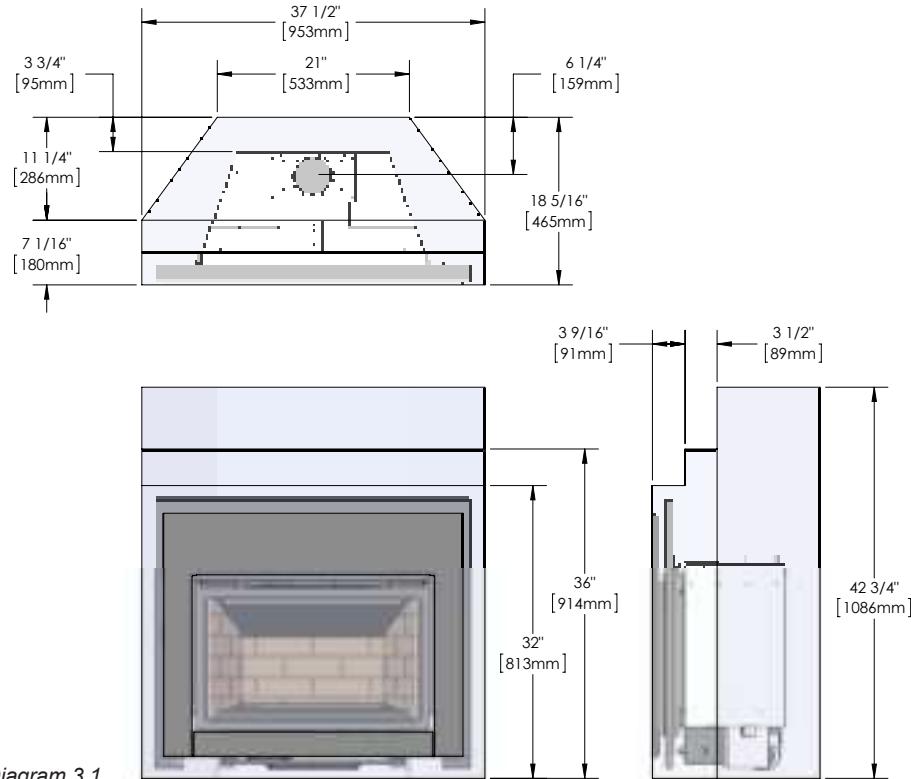


Diagram 3.1

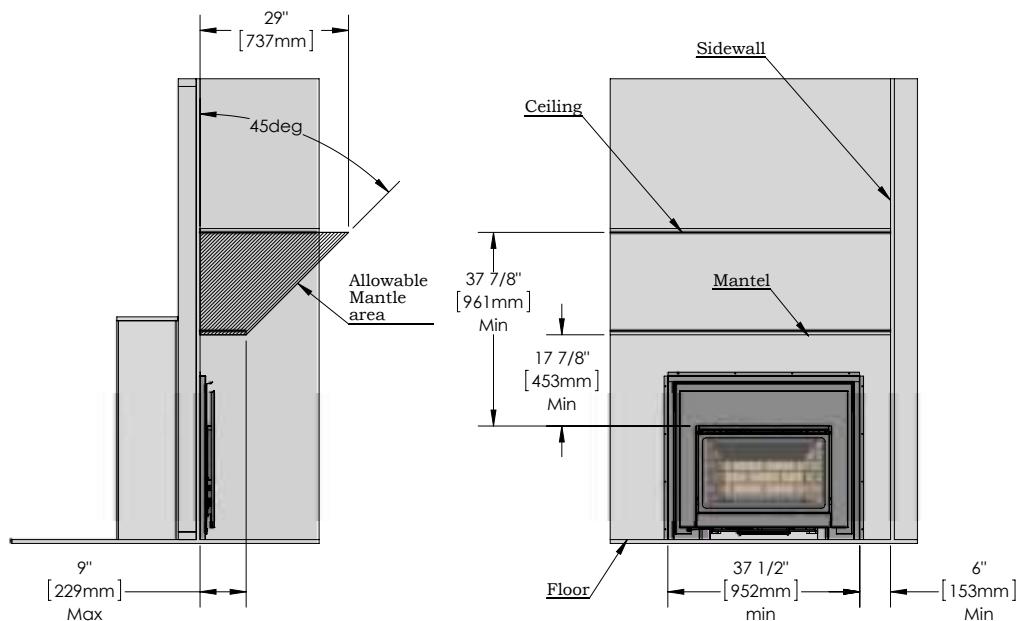


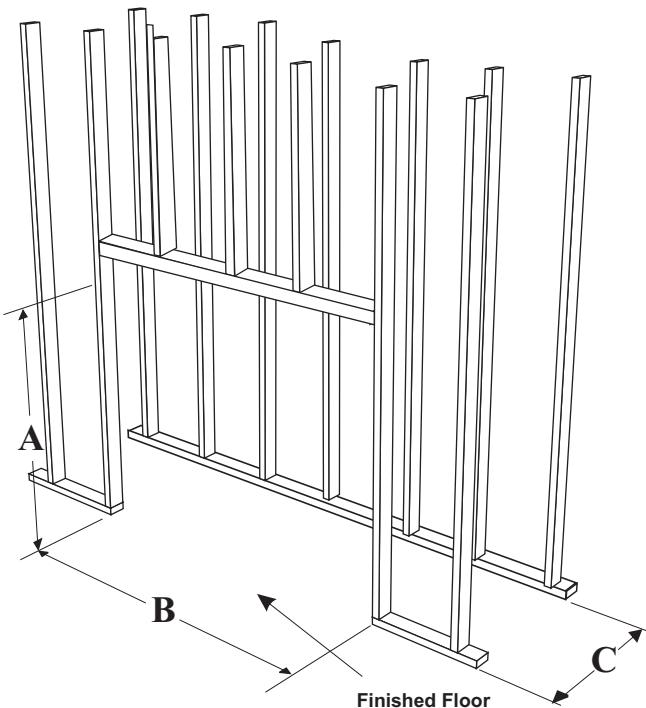
Diagram 3.2

12 | installation

ZERO CLEARANCE FRAMING DIMENSIONS

Framing Dimensions	Description	E18E
A	Framing Height	36" (914mm)
B	Framing Width	37 - 7/16" (951mm)
C	Framing Depth	15-1/2" (394mm)
Electrical connection: 110v required Fan must be on at all times to operate this unit.		

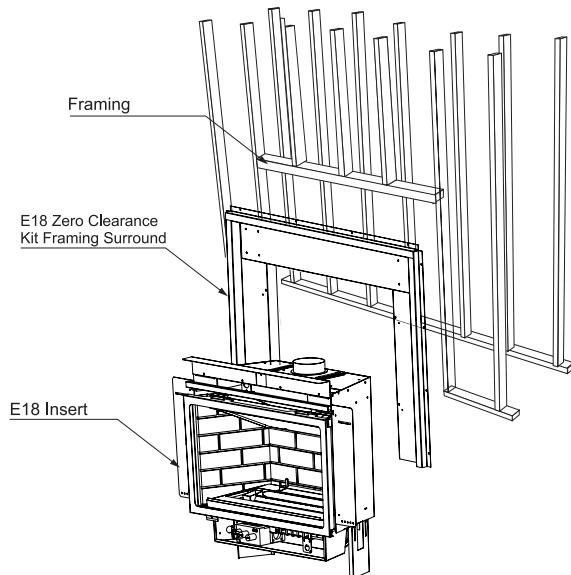
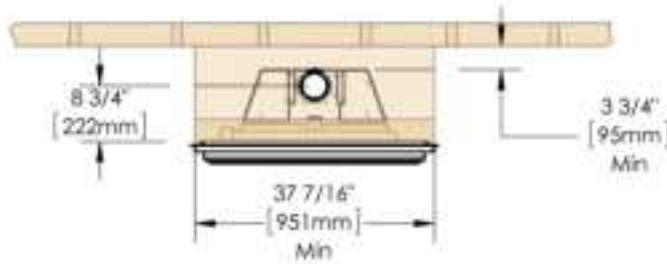
Note: All framing may be of wood construction.



ZERO CLEARANCE FRAMING

1. When installing the E18E as a zero clearance, you will use the framing clearances in the following diagrams. Mantel and inside corner clearances can be found in Minimum Clearances to Combustibles.

2. Install the Surround to the framing as per manual.



1. Shut down existing unit and allow to cool to room temperature.

2. Turn off gas supply and disconnect electrical.

3. Remove all accessories from existing unit, ie. glass doors, louvers, etc.

4. Remove any tiles, hearth or surround from existing unit (if required).

5. Disconnect gas supply from existing unit.

6. Cut away a perimeter of drywall around the existing unit to expose the framing. See example below.



Cut drywall

7. Uninstall existing unit from framing.



Remove unit from framing

8. Disconnect venting from existing unit - remove carefully to avoid damage.

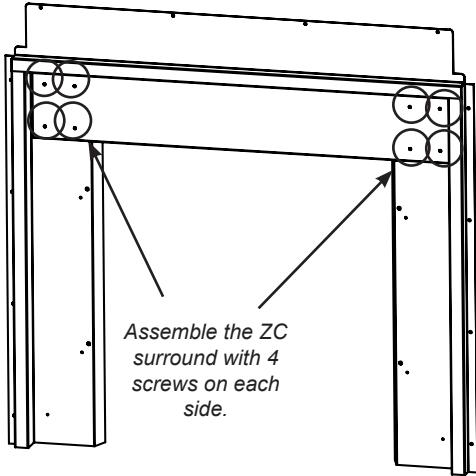
9. Remove existing unit from framed opening.



10. Measure framed opening and compare to dimension requirements. Additional adjustments to framed opening may be required.

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12. When framing is complete, ensure wiring is installed by an electrician prior to installing the unit.
13. Assemble ZC surround with 8 (904-897) screws provided in locations shown below.



14. Secure surround to the stud on each side with screws.

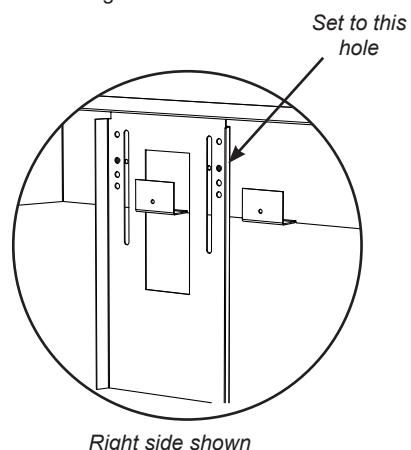


Use 4 screws on each side to secure surround to studs.

15. ZC surround installed into framed opening.
16. Separate E18E inner and outer fireboxes - see installation into existing unit section in the manual for details.

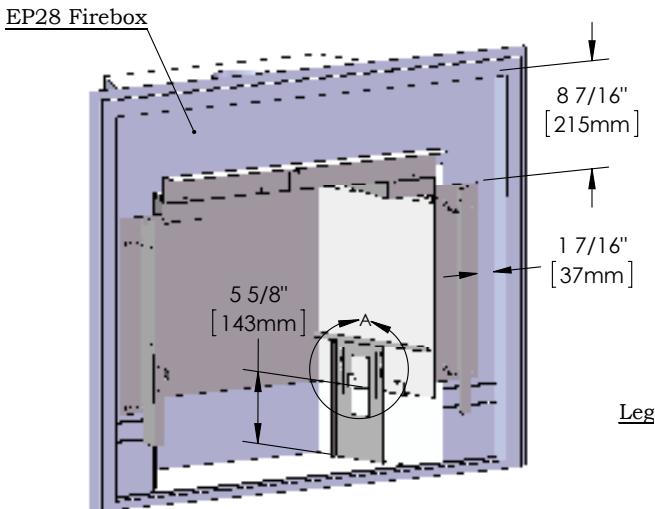


17. Set E18E outside firebox legs as shown below.



Outside firebox shown in position - refer to measurements (Step 18) before securing to surround.

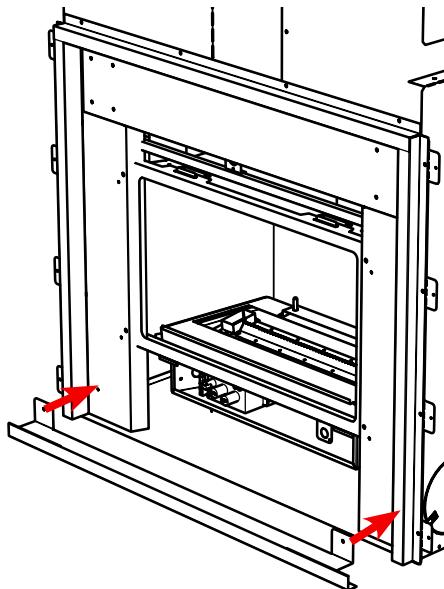
18. Follow instructions in the manual for installation into a EP28-2 for exact measurements for installation of the outside firebox to the surround.



19. The top panel of the ZC surround may be removed to ease the installation of the venting - reinstall top panel after venting is installed.

*Extra venting may be required.

21. Install lower trim piece with 2 (904-897) screws to the bottom of the ZC surround before installing faceplate.



20. Follow instructions in the installation into existing unit section in the manual to complete the install of inner firebox.
Follow Step 21 before installing faceplate.

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REQUIRED STEPS AND PROCEDURES FOR E18E INSTALLATION

1. Locate model on existing ZC box - locate corresponding section in this manual.
2. Make necessary alteration to the ZC firebox as per manual.
3. Separate inner and outer fire box (see procedure in manual).
4. Remove flue adaptor for outer firebox.
5. Make necessary adjustment to flue adapter mounting plate as per manual.
6. Cut flex to required length and secure to top plate using 3 screws and washers.
7. Secure top plate flue adapter to ZC box.
8. Secure flue adapter to flex using 3 screws/washers.
9. Slide outer firebox into place, be sure flue adapter mounting screw doesn't hold unit up on installation.
10. Adjust left and right side legs on outer shell (depends on ZC box it is being installed in) - See details in manual.
11. Measure and align outer firebox as per manual, secure each corner using self tapping screws.
12. Install inner firebox into outer firebox, ensure draft hood bottom fits on top of draft hood slides, left side, right side and rear.
13. Secure inner firebox - 2 screws on top left and right side - using existing holes.
14. Secure inner firebox on bottom inside - 2 screws on each side. Be sure to re install panel brackets, and line up with existing holes.
15. Reinstall burner.
16. Make gas connection - check for leaks.
17. Install enamel panels.
18. Install Faceplate
19. Install Glass Crystals on burner.
20. Light pilot.
21. Install glass door.
22. Install thermostat.

TOOLS REQUIRED (SUGGESTED)

- Nibbler
- Oscillating tool / metal blades
- Tin snips
- Uni Bit/Step Drill
- Black high temp paint
- Drill/ 1/4" bit – Phillips bit
- Measuring tape
- Level
- Sharpie
- Shop vacuum

Optional:

- Plasma cutter
- Fibre drop sheet
- Fire extinguisher



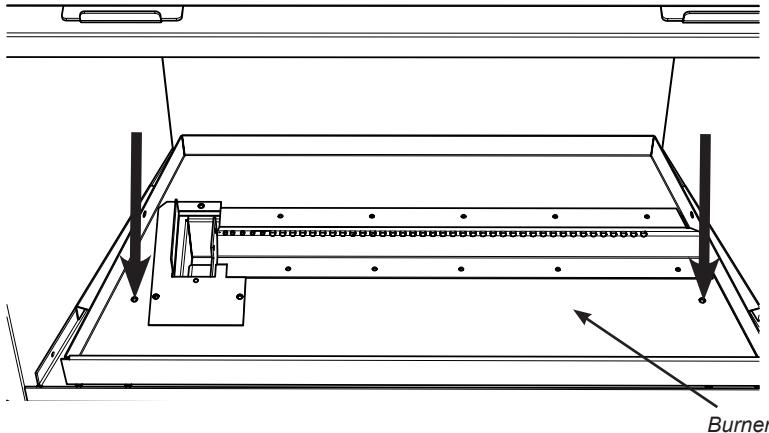
Nibbler



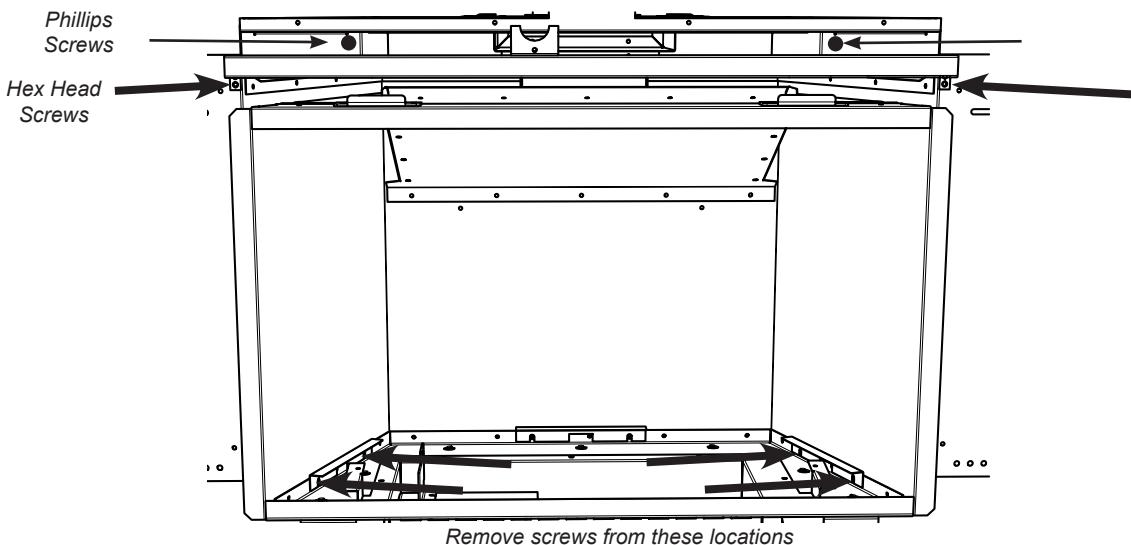
Oscillating tool

E18E**SEPARATING THE OUTER FIREBOX SHELL FROM INNER FIREBOX**

1. Lay fireplace insert on flat surface (use a drop sheet to protect surface).
2. Remove Glass Door by removing 2 x Phillips screws at the bottom of Glass Door Frame.
3. Remove burner by removing 2 x Phillips screws, take note of how aeration adjustment rod is routed.



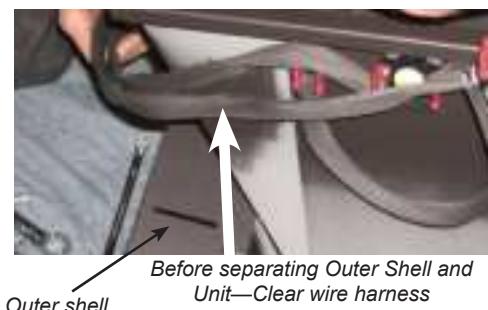
4. Remove 2 Phillips screws from top left and right side (Thermodisc bracket). Remove 2 x 1/4" Hex head screws from top left side and right side of inner firebox.



5. Remove 4 Phillips screws - 2 per side, located on the bottom base of the firebox. Place screws and panel brackets aside for reinstallation.
6. Carefully lift out the inner firebox and set aside until required. Use caution with sleeved wires on the left side, place inner firebox aside.
7. Outer firebox shell is ready for installation.

Refer to particular approved appliance in which the E18E is being installed into for the following:

Existing unit modifications
 Adaptor setting
 Required flex length
 Leg setting / outer shell position both need to be **exact** as measurements indicated.



MODIFICATION OF MONTIGO EP28-2, EP28-4 OR EP28-5

*Units could have any of the following Log Sets Installed: 2LB (2 Log Set), MB (2 Log Set), 4LB (4 Log Set)

1. Turn off unit, disconnect Gas and Power.
2. Remove Upper and Lower Louvers.
3. Remove Optional Doors or Screen Mesh.
4. Remove Logs.
5. Remove Bottom Door Rail (See Diagram 5.1).
6. Remove Burner Assembly (See Diagram 5.1).

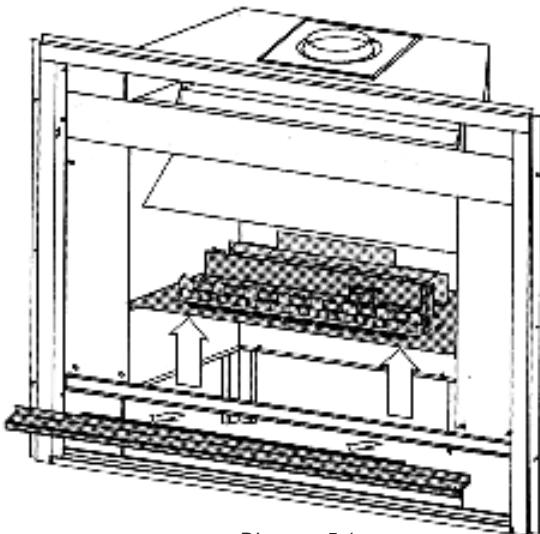


Diagram 5.1

8. Remove hood and inner baffle (See Diagram 5.3).

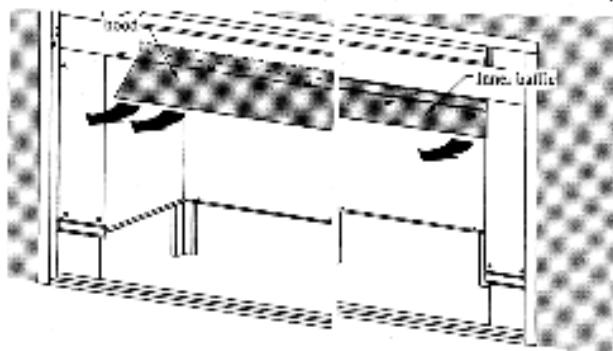


Diagram 5.3

9. Bend down the three flanges at the bottom of the firebox or cut them off (See Diagram 5.4).

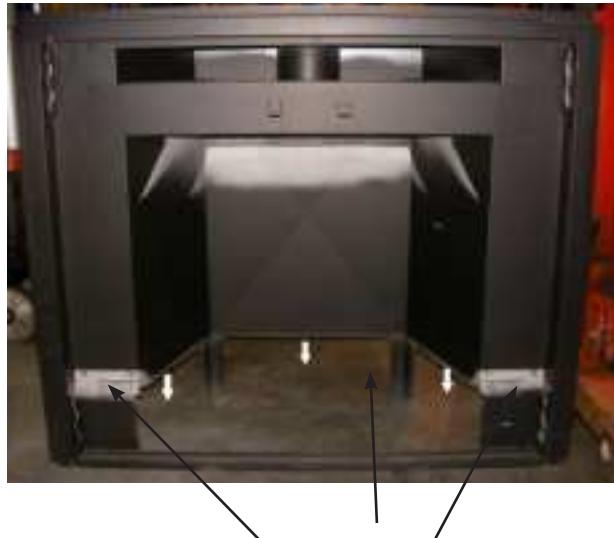


Diagram 5.4

7. Cut the front bar out on the left and right sides of the firebox. (See Diagram 5.2). Grind the corners smooth on the left side - to reduce the risk of wires being cut. Alternate method is to cut front bar in the center and break off each side spot weld completely.

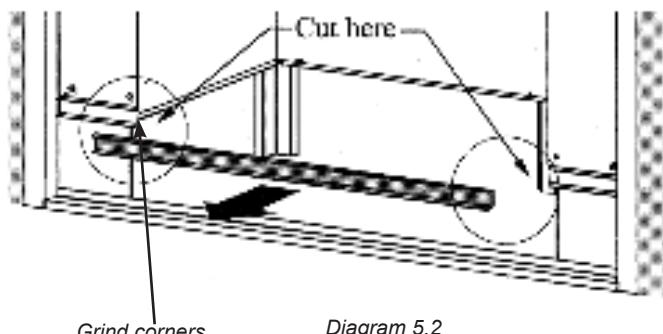


Diagram 5.2

Modified edges must be flush to allow proper seating of the E18E outer shell.

E18E INSTALLATION SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance - for vent connection configuration.

This install of the E18E uses **Vent Connection Type A**.

The length of 4" Flex needed is 4 -1/8" semi-expanded.

Secure flue adapter top plate to under side of existing firebox using 4 self tapping screws.

The height of the unit installed is shown below.

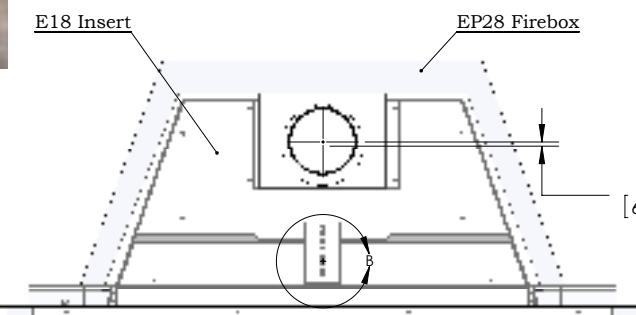
EP28-4 / EP28-5 INSTALLATION SPECIFICATIONS



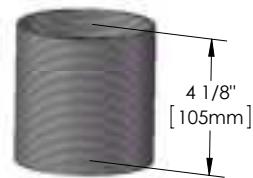
Secure top plate to firebox w/4 screws.



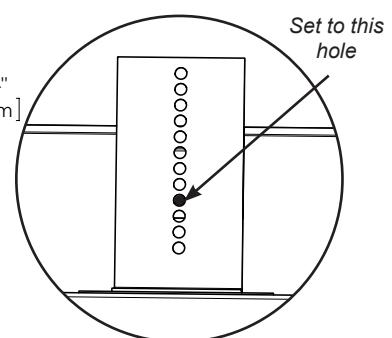
Secure vent slide plate to flex pipe with 4 screws



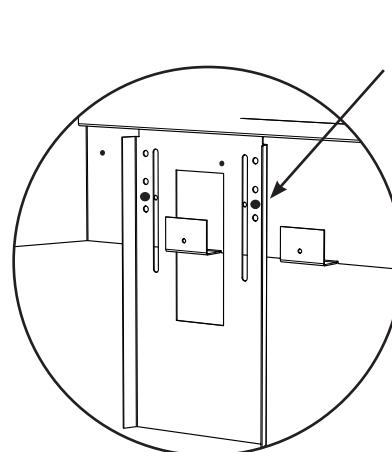
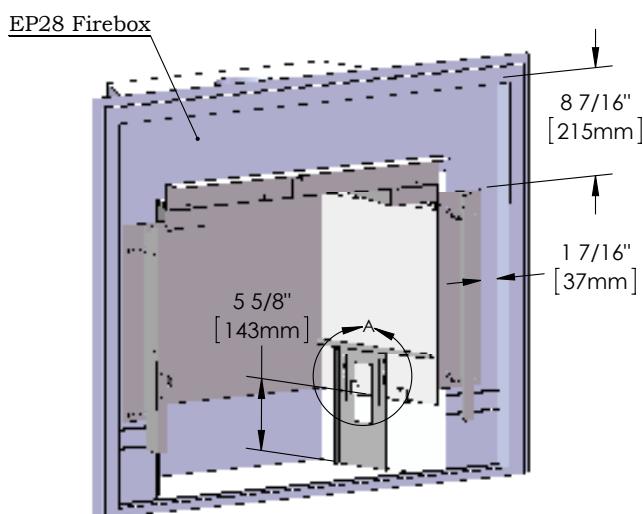
Collar Plate Setting / Vent position



Flex Adaptor Length



Set to this hole



Set to this hole

Right side shown

1. Loosen 2 x Phillips screws on both right and left legs.

2. See above diagram below for required leg setting.

3 Install with supplied Phillips screws to pre-punched holes and tighten previous screws that were loosened in Step 1.

4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF MONTIGO EP28-S2

*S2 comes with a 6 piece Log Set.

1. Turn off unit and Disconnect Gas.
2. Remove Top and Bottom Louvers.
3. Remove Glass Door (See Diagram 6.1).

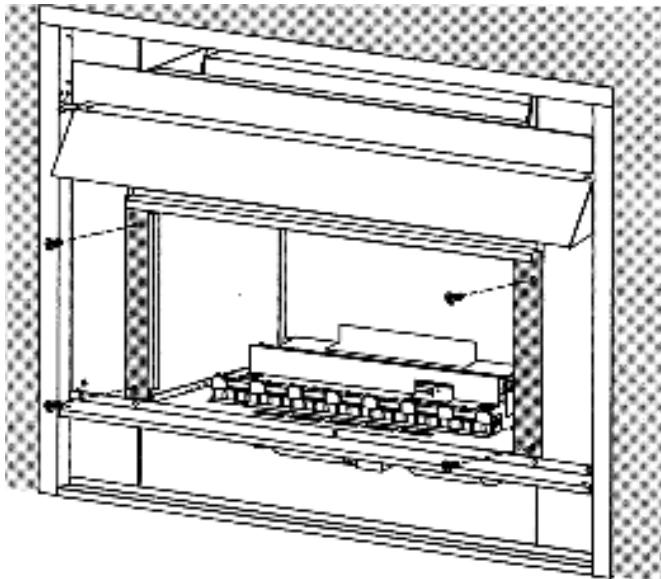


Diagram 6.1

5. Remove Front Bar (See Diagram 6.3).

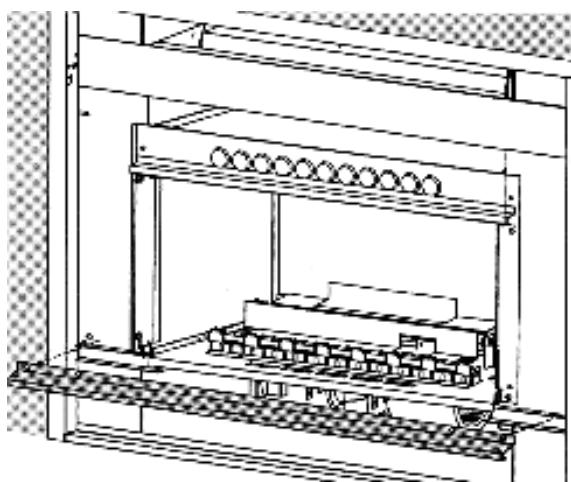


Diagram 6.3

6. Remove Primary and Secondary Limit Switches (See Diagram 6.4).

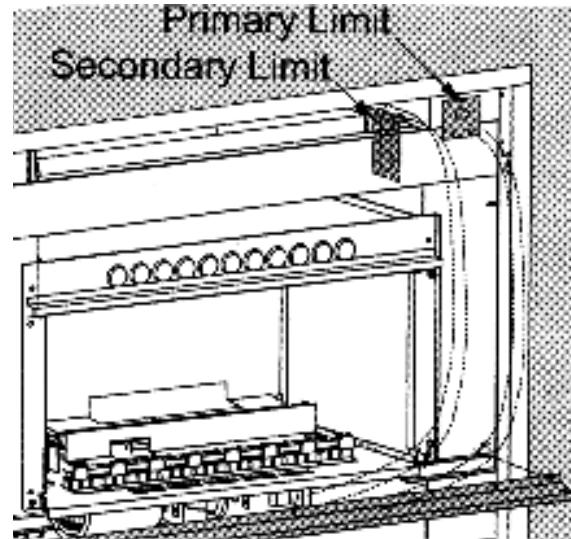


Diagram 6.4

7. Remove Insert (See Diagram 6.5).

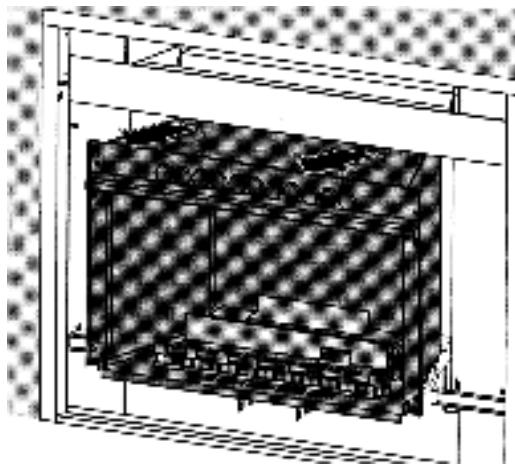


Diagram 6.5

4. Remove Side Filler Plates and Front Hood (See Diagram 6.2).

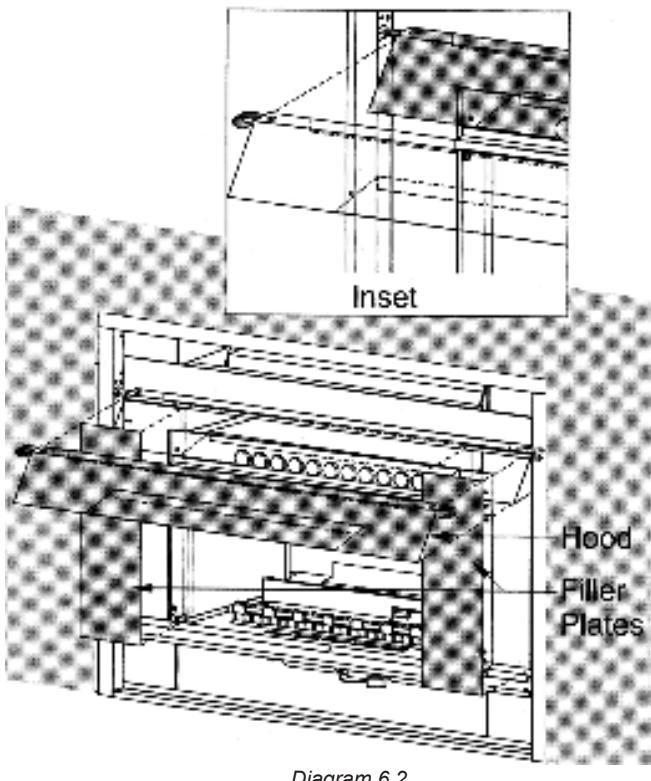


Diagram 6.2

8. Remove Efficiency Collar (See Diagram 6.6).

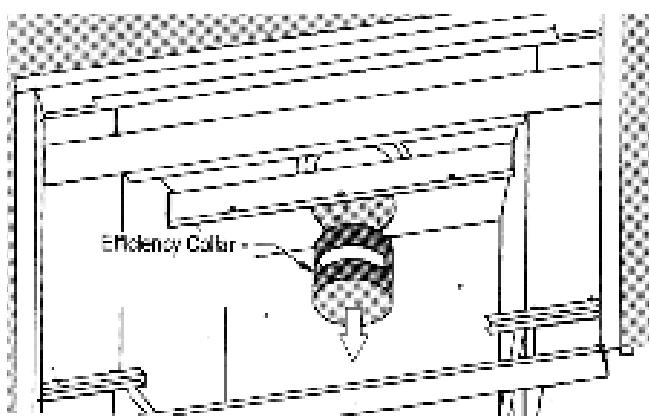


Diagram 6.6

9. Remove Fan (See Diagram 6.7).

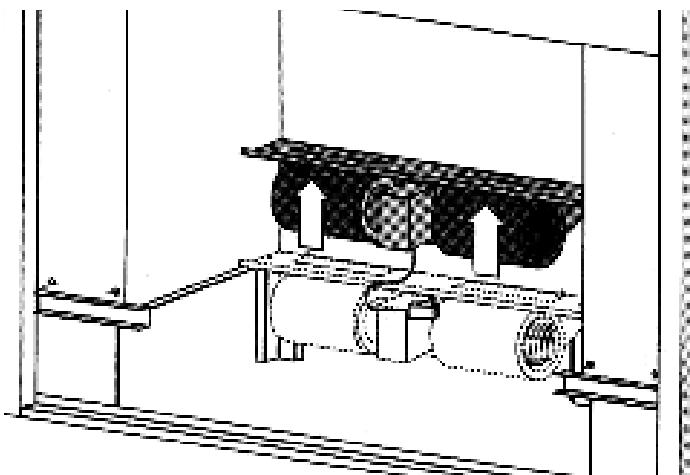


Diagram 6.7

10. Remove the leftover ends of the front bar on the Left and Right sides so that they are flush with the sides of the firebox. (See Diagram 6.8)

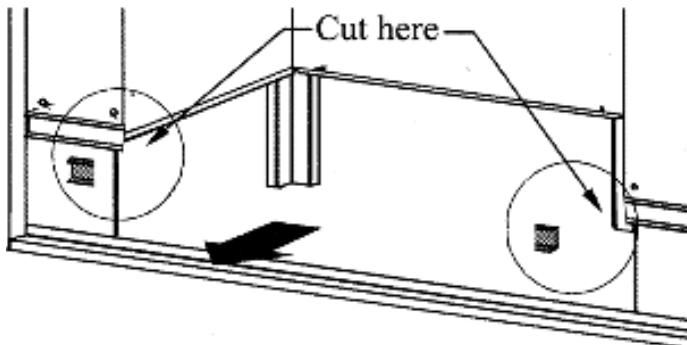


Diagram 6.8

11. Bend Down the Three Flanges at the Bottom of the Firebox or Cut them Off (see Diagram 6.9).



Diagram 6.9

Edges must be flush to allow proper seating of the E18E outerbox.

E18E INSTALL SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance.

This install of the E18E uses **Vent Connection Type A**.

The Length of 4" Flex needed is approximately 4-1/8" semi-expanded.

From this point installation is the same as the EP28-5.

MODIFICATION OF MONTIGO ECONO PLUS 28C

1. Turn off unit and Disconnect Gas.
2. Remove Top Louver Bars.
3. Remove Mesh Door Frame by removing 7 screws (See Diagram below).



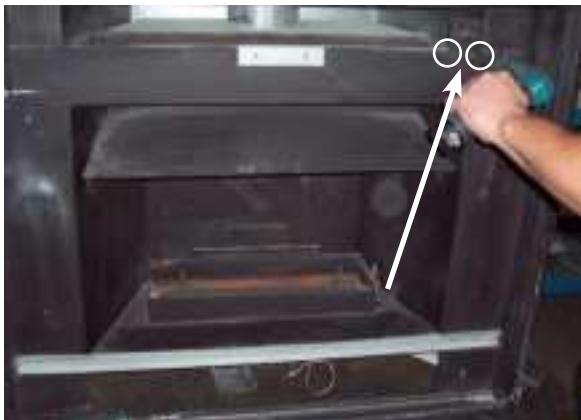
Remove 7 screws - remove Mesh Door Frame (if installed).

4. Remove Upper Bracket by removing 2 screws.



Remove 2 screws - remove Top Bracket

5. Remove Bracket and Thermodisc by removing 2 screws.



Remove 2 screws - remove Thermodisc Bracket

6. Remove heat deflector by removing 3 bolts and nuts.



Remove 3 bolts and nuts to remove heat deflector.

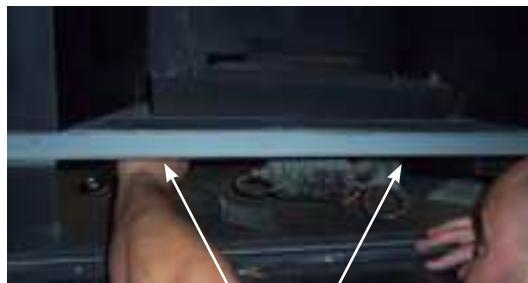
7. Remove the rear baffle.



Remove rear baffle.

8. Remove 2 bolts from underneath, to remove valve, log tray, etc.

9. Lift entire assembly out.



Remove 2 bolts



10. Remove Serial No. Decal attached to valve assembly and affix to wall of 28C firebox.



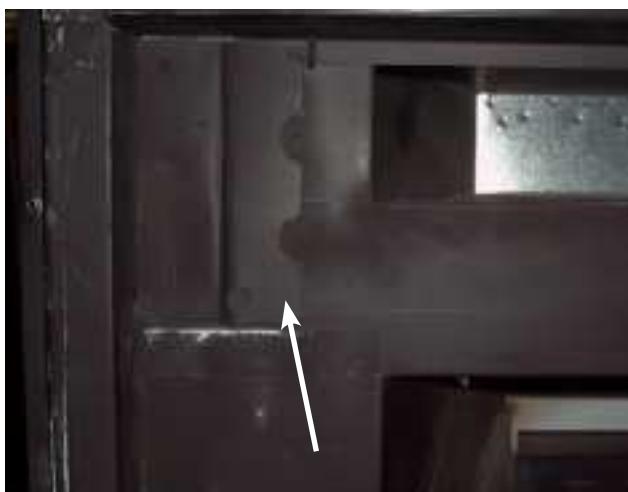
Montigo Serial Decal

13. Cut to remove left and right cross piece at front of firebox.



Cut out front cross piece to remove

11. Flatten left and right louver brackets.

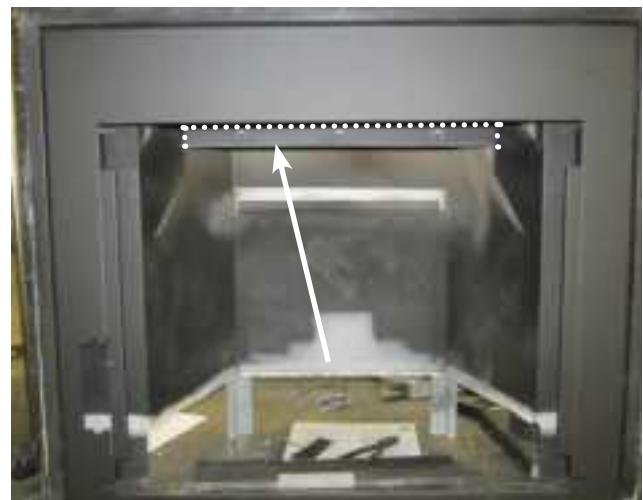


Flatten louver brackets

12. Flatten flange (left ,right and rear) in locations shown below.



14 Cut out back cross bar to complete modification. Fold back any excess metal after removing the cross piece.



Cut out back cross bar



Completed modification

15. Prior to installing faceplate - use a #30 drill bit to remove upper trim / heat shield from outer faceplate.
16. Install outer faceplate to use as a template for measurements - ensure outer Faceplate is centered, mark and drill 2 holes per side. The pre drilled holes should line up with the outer shell holes. Remove outer faceplate and continue with E18E installation.



Install outer faceplate

MONTIGO ECONO PLUS 28C INSTALLATION SPECIFICATIONS

E18E INSTALL SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance for Vent Configuration.

This install of the E18E uses **Vent Connection Type A**.

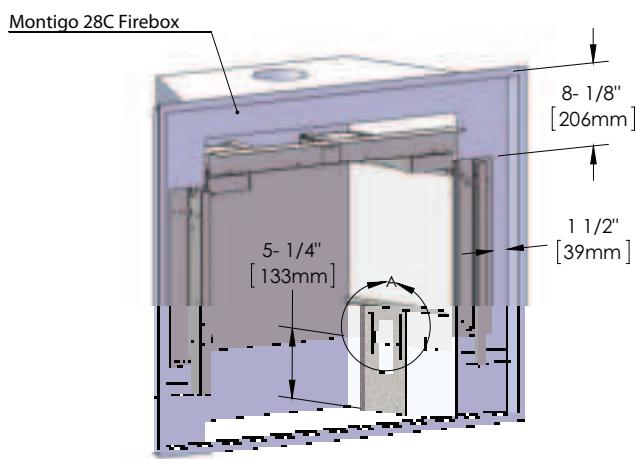
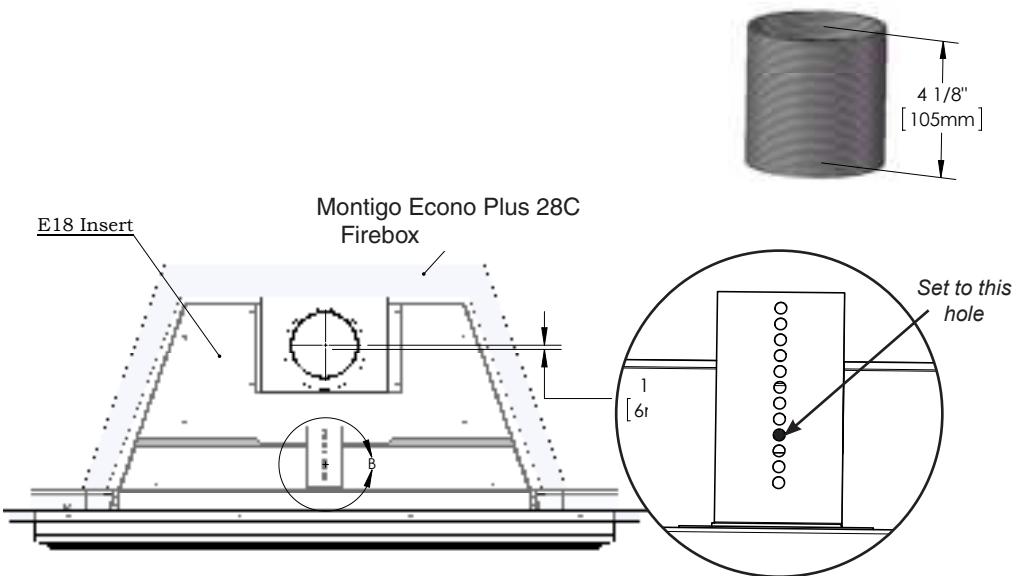
The Length of 4" Flex needed is 4-1/8" semi-expanded. Secure flue adapter top plate to under side of existing firebox using 4 self taping screws.



Secure top plate to firebox w/4 screws.



Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x Phillips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied Phillips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF MONTIGO 28F-2 OR 28-F

1. Turn off unit, disconnect gas and power.
2. Remove Top and Bottom Louvers.
3. Remove Screen Mesh (See Diagram 7.1) or Bifold Doors.



Diagram 7.1

4. Remove Logs and Sand from Sand Pan.
5. Remove Front Bar. (See Diagram 7.2).



Diagram 7.2

6. Disconnect Pilot Gas Line and Pilot Thermopile from the Valve. Disconnect Thermostat wires from valve.



Diagram 7.3

7. Disconnect Valve from the Main Burner Line (See Diagram 7.4).



Diagram 7.4

8. Unscrew left and right side nuts, under the firebox, holding down the Sand Pan. (see Diagram 7.5)



Diagram 7.5

9. Remove Sand Pan and Pilot Assembly.



Diagram 7.6

10. Cut out the Bottom of the Firebox (See Diagram 7.7)
Cut must be clean - with Max. 1/4" of material left.



Diagram 7.7

11. Cut the Sides of the Top Face (See Diagram 7.8).



Diagram 7.8

12. Bend Top Face Down (See Diagram 7.9).



Diagram 7.9

13. Measure and draw a line 1" below the bottom of the exhaust collar (See Diagram 7.10).



Diagram 7.10

14. Cut the Sides of the Top of the Firebox Flush with the Sides of the Firebox and Cut the Top of the Firebox 1" below the bottom of the Exhaust Collar (See Diagram 7.11 and 7.12).

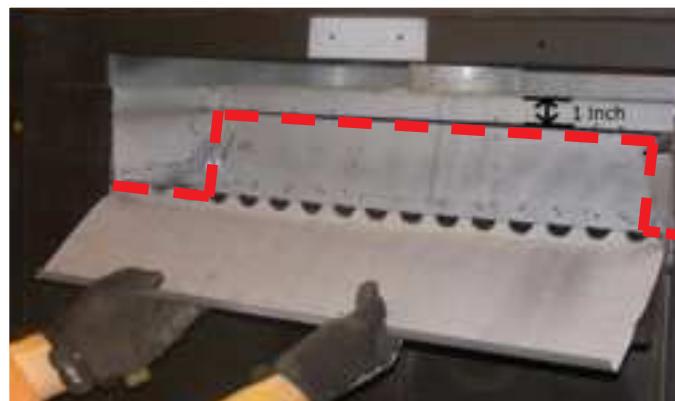


Diagram 7.11



Diagram 7.12

14. Bend the Louver Mounts Flat. (See Diagram 7.13)



Diagram 7.13

15. Final Firebox Should Look Like Diagram 7.14.



Diagram 7.14

Modified edges must be flush to allow proper seating of the E18E outerbox.

28 F / 28 F2 INSTALLATION SPECIFICATIONS

E18E INSTALL SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance for Vent Configuration.

This install of the E18E uses **Vent Connection Type A**.

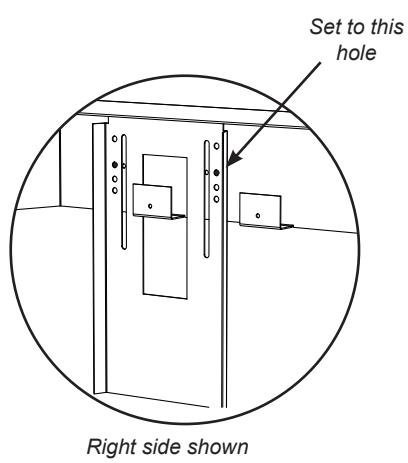
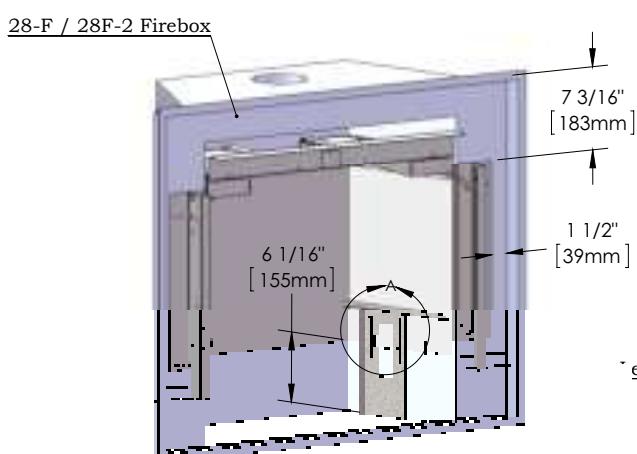
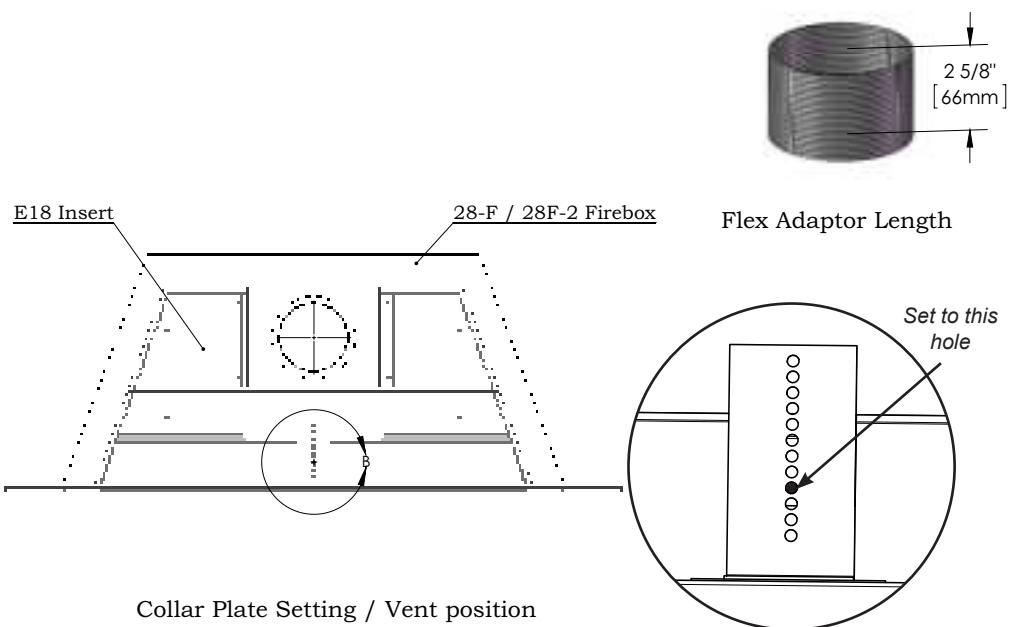
The Length of 4" Flex needed is 2-5/8" semi-expanded. Secure flue adapter top plate to under side of existing firebox using 4 self taping screws.



Secure top plate to firebox w/4 screws.



Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x Phillips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied Phillips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF MONTIGO 28F-3

1. Turn off unit, disconnect gas and power.
2. Remove Top and Bottom Louvers.
3. Remove Screen Mesh (See Diagram below) or Bifold Doors.

*Diagram 1*

4. Remove Logs and Sand from Sand Pan.
5. Disconnect Pilot Gas Line and Pilot Thermopile from the Valve. Disconnect Thermostat wires from valve.

*Diagram 2*

6. Disconnect valve from main burner Line (See Diagram 3).

*Diagram 3*

7. Unscrew left and right side nuts, under the firebox, holding down the Sand Pan. (see Diagram 4)

*Diagram 4*

8. Remove sand pan and pilot assembly.



Diagram 5

9. Cut the plate located at the bottom of the firebox, as shown below.



Diagram 6

Cut here to remove bar

10. Cut out the bottom of the Firebox (See Diagram 7)

Cut must be clean - with Max. 1/4" of material left.



Diagram 7

11. Unscrew the top bar shown below.

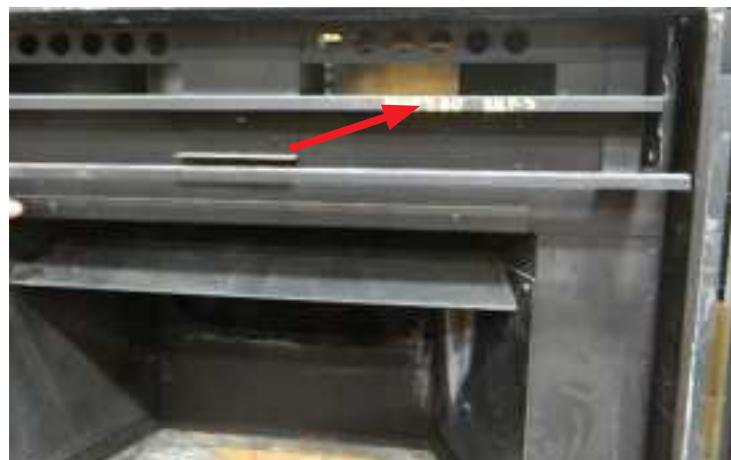


Diagram 8

Cut here to remove

12. Unscrew the top bar from location shown below.



Diagram 9

13. Unscrew the plate located between the 2 fixed bars, as shown below.

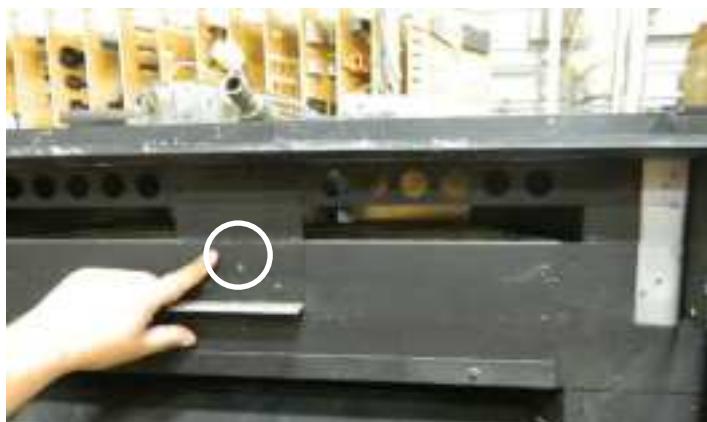


Diagram 11

14. Unscrew the plate locating underneath, as shown below.



Diagram 12

15. Unscrew the side* and back plates located in the firebox, as shown below.

*Not all unit have side plates



Diagram 13



Diagram 14

16. Remove the inside plate located at the rear of the cut plate.



Diagram 15

17. Cut the sides of the top face, as shown below.



Diagram 16

18. Bend top face down (See Diagrams 17 & 18).



Diagram 17



Diagram 18

19. Cut the sides of the top of the firebox flush with the sides of the firebox and cut the top of the firebox 1" below the bottom of the exhaust collar (See Diagram 19 below).

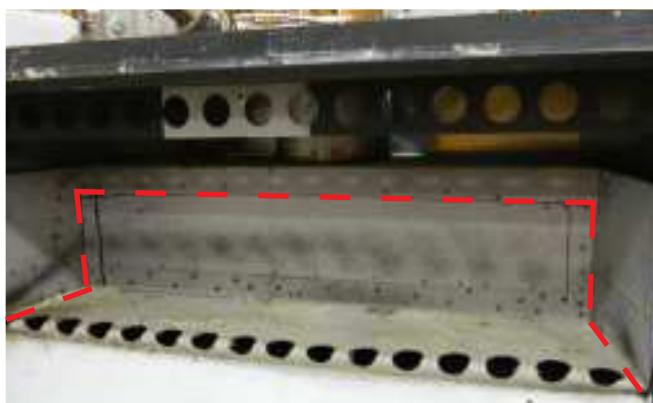


Diagram 19

20. Bend the Louver mounts until they lay flush. (See below)



Diagram 20

21. Final modified firebox should look similar to Diagram 21 below.



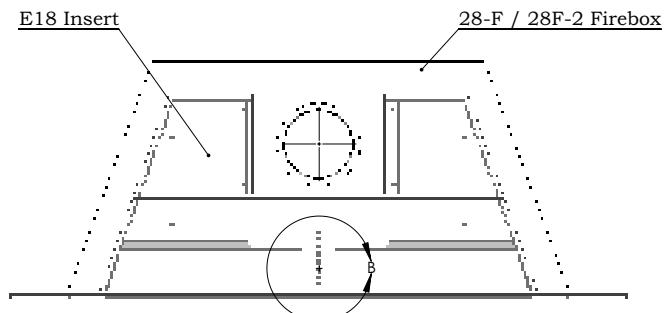
Diagram 21

28F-3 INSTALLATION SPECIFICATIONS

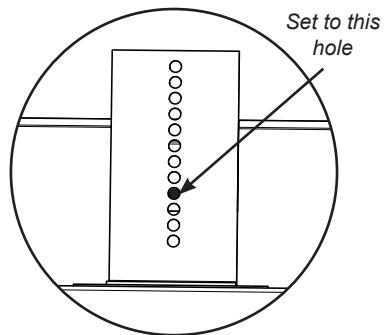
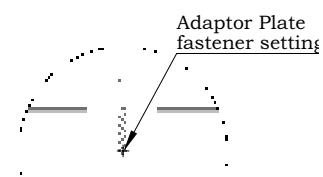
E18E INSTALL SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance for Vent Configuration.

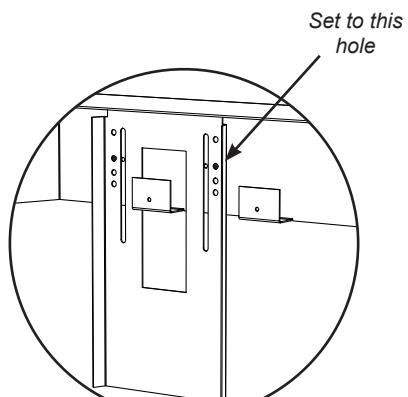
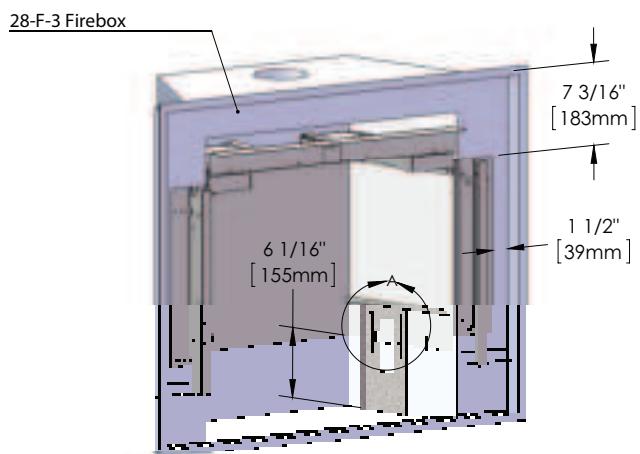
This install of the E18E uses **Vent Connection Type A**.



Flex Adaptor Length



Collar Plate Setting / Vent position



Right side shown

1. Loosen 2 x Phillips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied Phillips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF MONTIGO 36SR
***MUST USE FULL LENGTH LINER 4"**

1. Turn off the unit and Disconnect Gas and Power.
2. Remove Top and Bottom Louvers.



Diagram 8.1

3. Remove Glass Doors and Screen Mesh (See Diagram 8.1).
4. Remove Logs and Sand from Sand Pan.
5. Remove Top Rail securing the Bifold Doors (See Diagram 8.2).

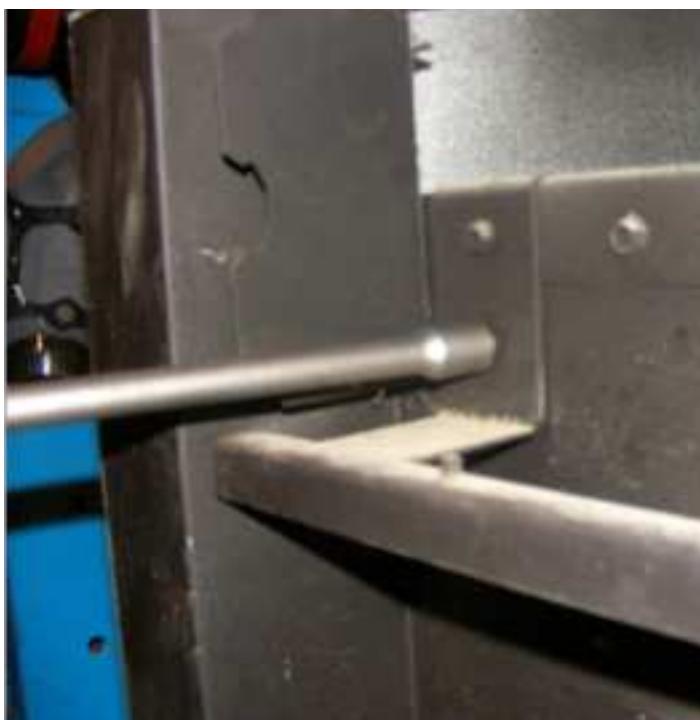


Diagram 8.2

6. Remove Air Inlet Strip (See Diagram 8.3).



Diagram 8.3



Diagram 8.4

7. Remove Brick Liner Panels (See Diagram 8.4).



Diagram 8.5

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8. Unscrew and Remove Trim Around Sand Pan (See Diagram 8.5).
9. Disconnect Pilot Gas Line and Pilot Thermopile from Valve.
10. Disconnect Valve from Main Burner Gas Line.
11. Remove Plate On the Bottom of the Firebox where Pilot Enters. (See Diagram 8.6)



Diagram 8.6

14. Unscrew the Bottom of the Firebox. (See Diagram 8.8)



Diagram 8.8

15. Unscrew the Firebox Top Front Flange, making sure to place the Top Left and right corner screws back in (See Diagram 8.9 and 8.10).



Diagram 8.9

12. Unscrew Left and Right Nuts Underneath the Firebox Holding Down the Sand Pan. (See Diagram 8.7)
13. Remove Sand Pan and Pilot Assembly.



Diagram 8.7



Diagram 8.10

16. Remove Louver Supports in all 4 corners of the Appliance (See Diagram 8.11).



Diagram 8.11

17. Final firebox should look like Diagram 8.12.



Diagram 8.12

Modified edges must be flush to allow proper seating of the E18E outerbox.

E18E INSTALL SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance.

This install of the E18E uses a full length 4" liner.

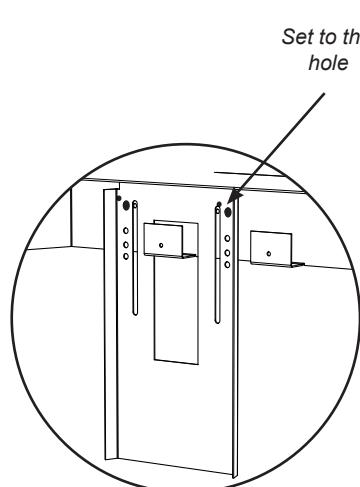
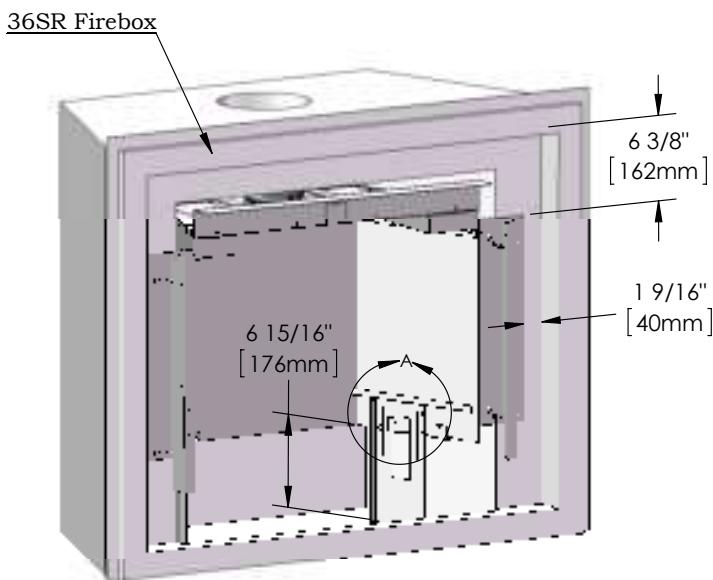
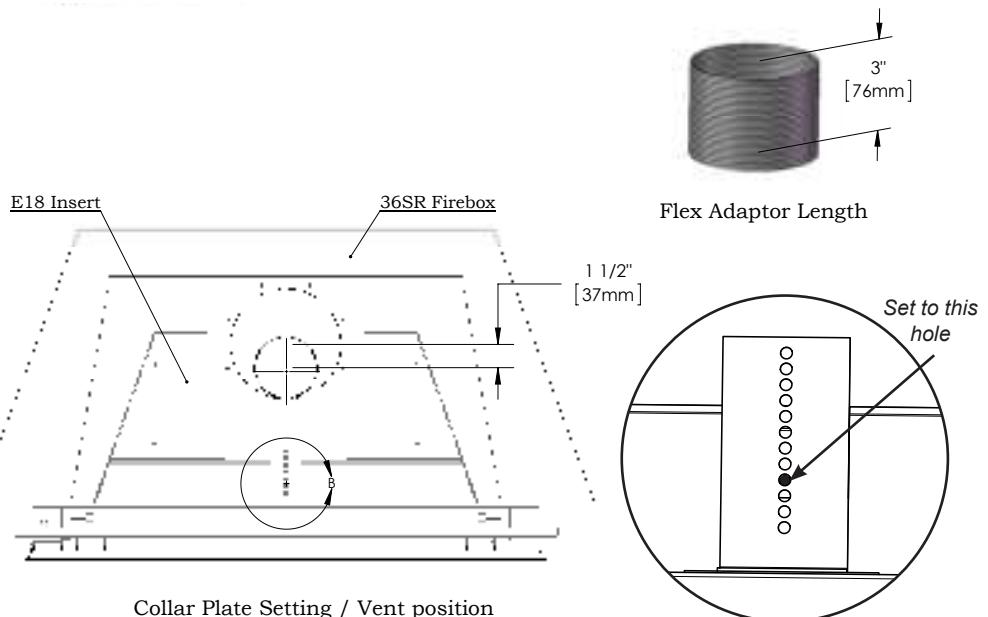
The Length of 4" Flex needed depends on the height of the B vent chimney.



Secure top plate to firebox w/4 screws.



Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x Phillips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied Phillips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

MODIFICATION OF FIRESONG 220N

1. Turn off and Disconnect Gas and Power.

2. Remove Valve Cover (See Diagram 9.1).



Diagram 9.1

3. Remove the Bottom of the Firebox and Sand Pan in one assembly (See Diagram 9.2).



Diagram 9.2

4. Unscrew and Remove Front Inner Baffle (See Diagram 9.3).



Diagram 9.3

5. Cut the Sides of the Rear Inner Baffle at the Back of the Firebox (See Diagram 9.4).



Diagram 9.4

6. Bend the Inner Rear Baffle up so it is flush with the back of the Firebox or cut off the Baffle if it will not bend flat with the back of the Firebox.

7. Cut The Top Front Flange of the Firebox (See Diagram 9.5).



Diagram 9.5

8. Cut off support tab at the top of the firebox and final firebox should look like Diagram 9.6.



Diagram 9.6

Modified edges must be flush to allow proper seating of the E18E outerbox.

E18E Install Specifications

See Installation of E18E into Existing Units for General Installation Guidance.

This install of the E18E uses **Vent Connection Type A**.

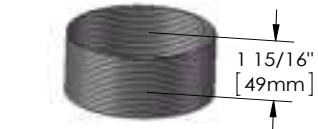
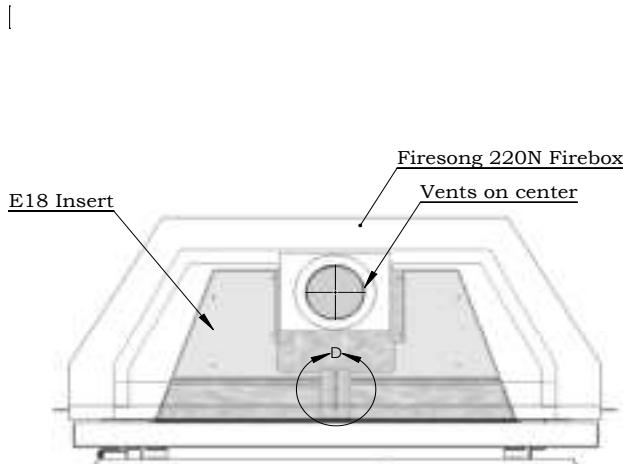
The Length of 4" Flex needed is 1-15/16" semi-expanded. Secure flue adapter top plate to under side of existing firebox using 4 self tapping screws.



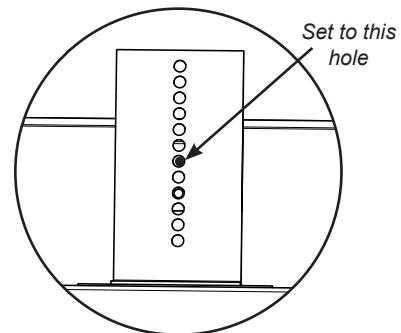
Secure top plate to firebox w/4 screws.



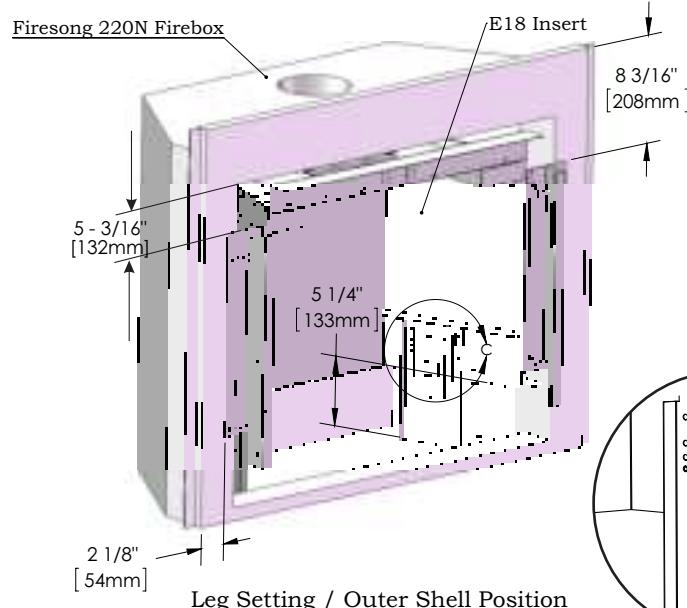
Secure vent slide plate to flex pipe with 4 screws



Flex Adaptor Length



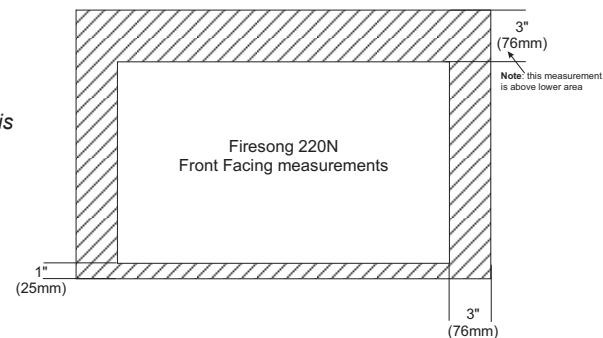
Collar Plate Setting / Vent position



1. Loosen 2 x Phillips screws on both right and left legs.
2. See above diagram below for required leg setting.
3. Install with supplied Phillips screws to prepunched holes and tighten previous screws that were loosened in Step 1.
4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.

Firesong 220N faceplate is an outside fit, if the front metal face of the 220N is covered with stone or tile - a custom faceplate will be required.

The following measurements of the 220N metal face will be visible if no stone or tile is covering it. If this metal face is visible, the standard Faceplate (616-920) will fit.



MODIFICATION OF FIRESONG 120N

1. Turn off gas supply, if unit has a fan - turn off and disconnect power.
2. Remove Top Trim Pieces and Glass Doors- if installed (See Diagram 10.1).



Diagram 10.1

3. Remove Lower Trim piece and Bottom Panel. (See Diagram 10.2).



Diagram 10.2

4. Remove Top Rail securing Mesh. (See Diagram 10.3).
5. Shut off and disconnect gas line from valve.



Diagram 10.3

6. Unscrew and Remove Trim Around Sand Pan (See Diagram 10.4).



Diagram 10.4

7. Remove Logs (See Diagram 10.5).



Diagram 10.5

8. Remove screw on right side to remove sand pan and base. (See Diagram 10.6).



Diagram 10.6

9. Remove Valve.

10. Make 2 vertical cuts on Top Facing. (See Diagram 10.7).

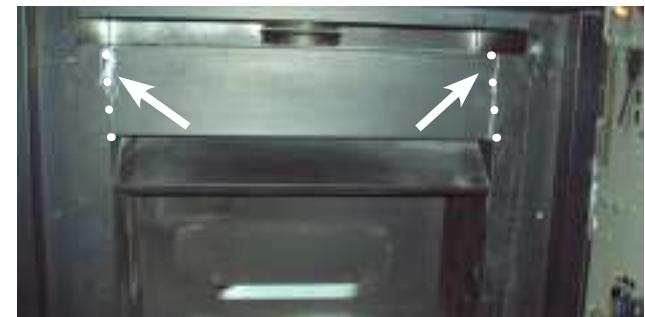


Diagram 10.7

11. Remove Top Front Flange of Firesong firebox. (See Diagram 10.8). Remove tabs on right and left side of firebox.



Diagram 10.8

12. Cut out mid section of Firesong firebox . (See Diagram 10.9). Cut off bar at back of firebox.

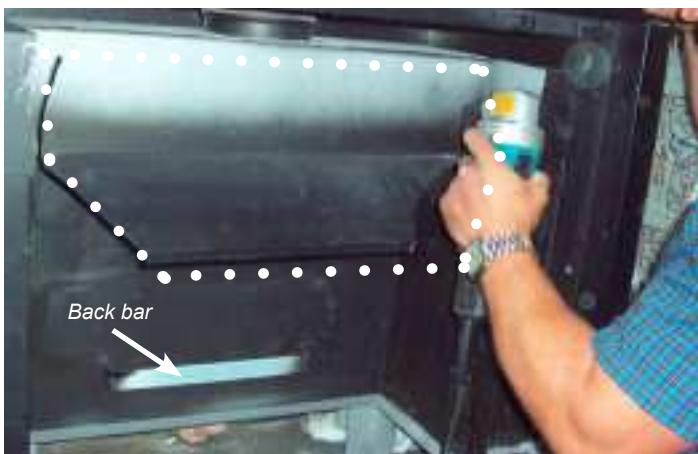


Diagram 10.9

13. Remove 6 screws, one at a time, and replace with pan head (wafer screws) - in locations shown below.



Diagram 10.10

14. Cut out right side of existing Firesong firebox. (See Diagrams 10.11,10.12 and 10.13). Left and right cutout begins on front face - see Diagram 10.12

IMPORTANT: Cut out Firesong firebox and install support one side at a time.

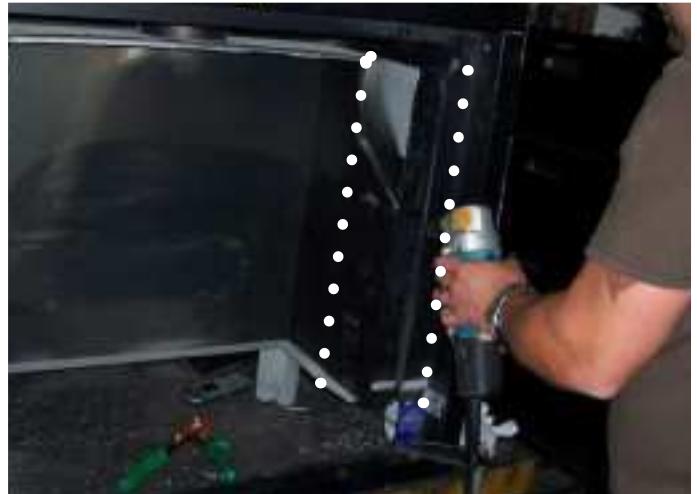


Diagram 10.11



Diagram 10.12



Diagram 10.13

15. Install supplied support section with 8 screws to reinforce Firesong firebox. (See Diagram 10.14).



Diagram 10.14

16. Repeat Steps 14 & 15 on left side.

17. Remove existing Firesong rating plate from cut out firebox. This rating plate must be retained and affixed to the unit. (See Diagram 10.15 and 10.16).



Diagram 10.15

18. Final modified firebox should look like Diagram 10.16
NOTE: Shown with flue collar and 6" length of flex installed.



Diagram 10.16

IMPORTANT NOTE:

Separate inner and outer firebox on E18E (see instructions in this manual) Before installing outer firebox - lay on a flat surface and trim off 1-1/4" of each firebox fastening flange as shown below.



E18E INSTALLATION SPECIFICATIONS

See Installation of E18E into Existing Units for General Installation Guidance - for vent connection configuration.

The length of 4" Flex needed is 6" semi-expanded.

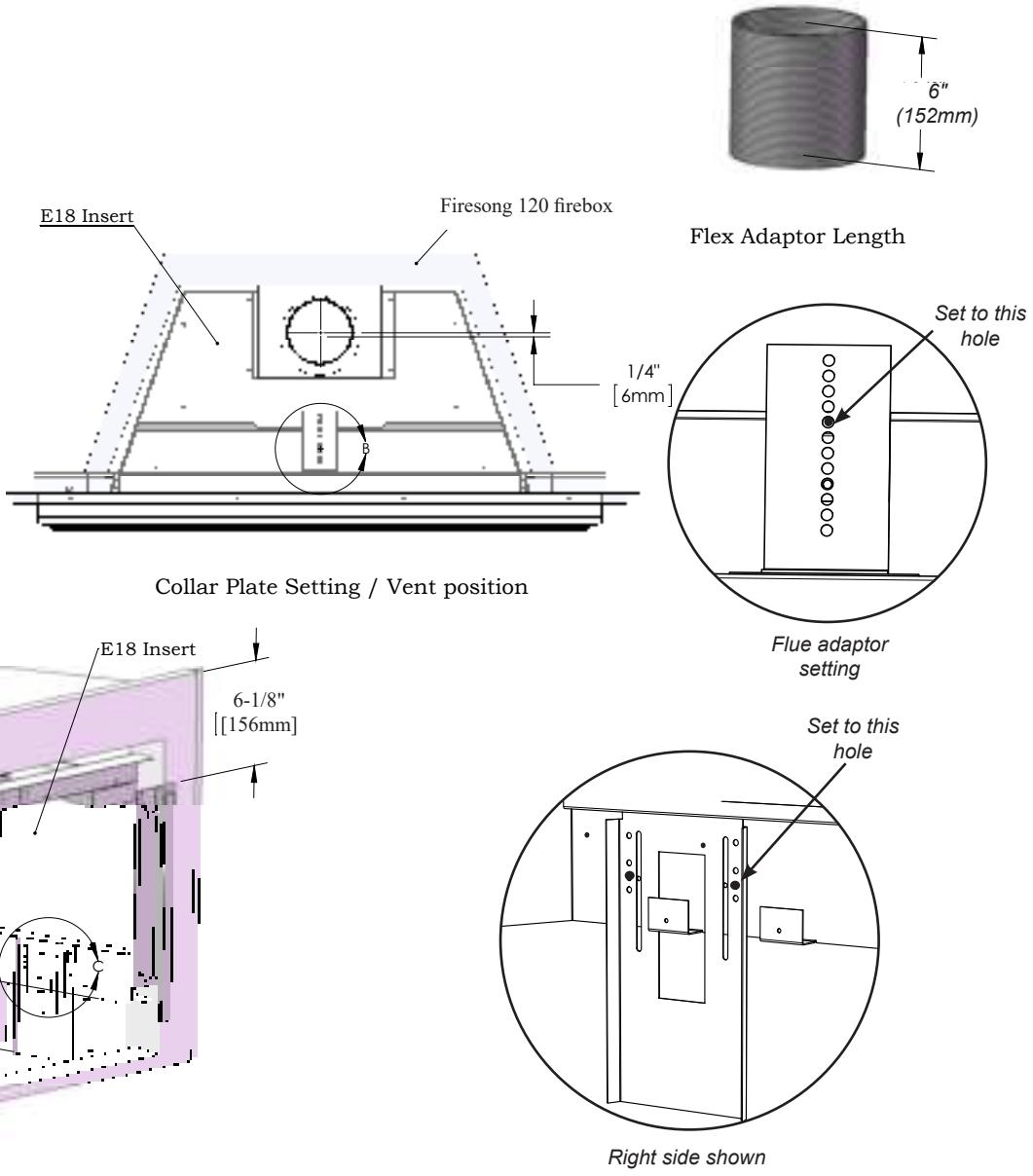
Remove top flue adaptor from unit by removing 1 Philips screw and slide backward. Adjust flue adaptor length by resetting screw from Set 4 to Set 8 - see Diagram below. Attach 4" flex to flue adaptor and insert into existing 5" vent - shown below.

Procedure to adjust the height of the outer firebox installed is shown below.

FIRESONG 120N INSTALLATION SPECIFICATIONS



Secure vent slide plate to flex pipe with 4 screws



1. Loosen 2 x Phillips screws on both right and left legs.

2. See above diagram below for required leg setting.

3. Install with supplied Phillips screws to pre-punched holes and tighten previous screws that were loosened in Step 1.

4. Keep left side leg loose until outer firebox is in position in ZC box - to allow adjustment of gas line.
See Step #2: Outer Shell installation for procedure.

INSTALLATION OF THE E18E INTO EXISTING UNITS

STEP #1: VENT CONNECTION TYPE A

1. Attach the Flex Vent Section to the Adaptor Plate using 3 self drilling sheet metal screws.
2. Using 4 Sheet Metal Screws, attach the Adaptor Plate, Vent Section and Adaptor Plate Gasket to the top of the existing Fire Box. See specific instructions to your installation to determine what position the Adaptor Plate should be located.
3. Attach the Slide Plate Retainer to the Vent Slide Plate using the setting outlined in your unit specific installation guide.
4. Using the 3 self drilling sheet metal screws, attach the Vent Slide Plate to the Flex Vent Section

**THE APPLIANCE MUST
NOT BE CONNECTED TO A
CHIMNEY FLUE SERVING
A SEPARATE SOLID FUEL
BURNING APPLIANCE.**

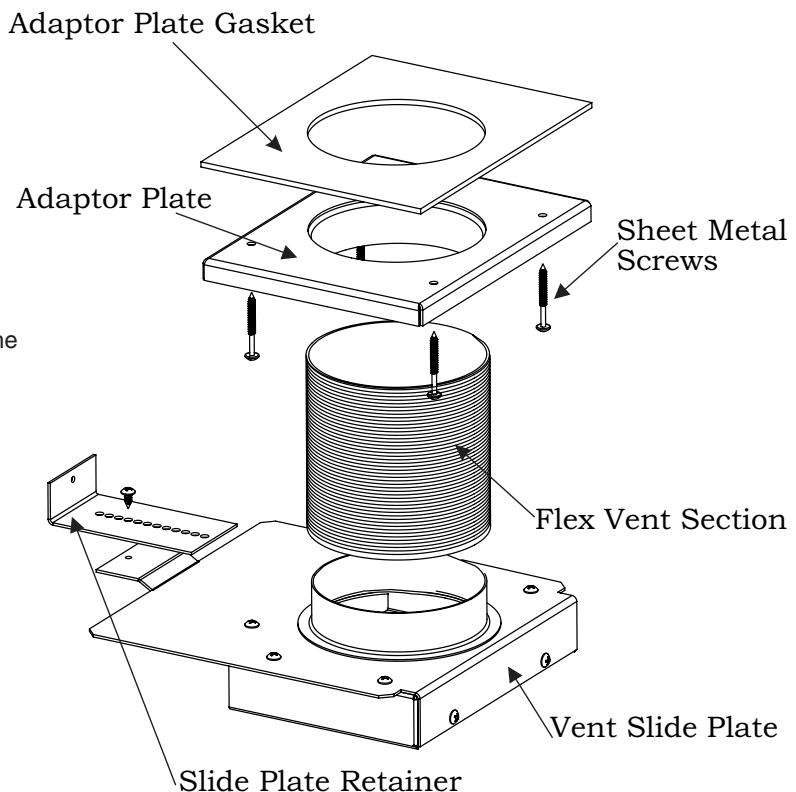


Diagram 11.1

STEP #1: VENT CONNECTION (FIRESONG 120N)

1. Attach the Flex Vent Section to the Adaptor Plate using 3 self drilling sheet metal screws.

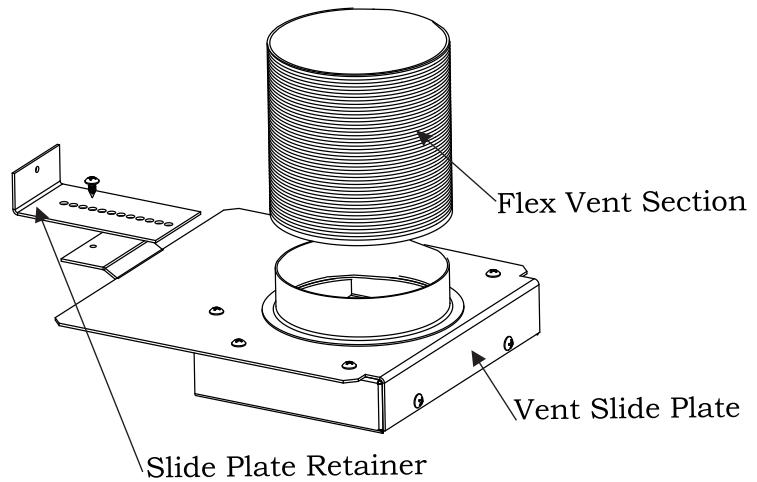


Diagram 11.2

STEP #2: OUTER SHELL INSTALLATION

1. Slide outer shell back into the existing firebox, ensure the vent slide plate is properly engaged with the outer shell. Move the outer shell back until the left and right flanges contact the existing firebox.
2. Adjust the outer shell legs to the setting noted for your specific installation. If these settings are not adhered to, the surround will not fit correctly.
3. Attach the vent slide plate to the outer shell with one sheet metal screw as shown in Figure 12.1. Refer to the applicable existing appliance for correct measurements before securing outer shell in position.
4. Ensure the unit is set at the correct height and the outer shell is square and centered, fasten the outer shell to the existing firebox using self tapping screws.

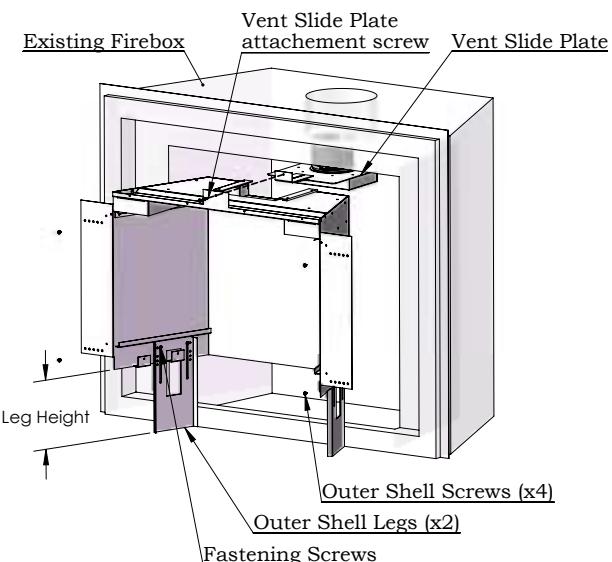


Diagram 12.1

STEP #3: FIREBOX INSTALLATION

1. Ensure thermodiscs and thermodisc brackets are in place.
2. Install the firebox into the outer shell by sliding the drafthood bottom onto the drafthood slide until you are able to install 4 screws to secure the firebox. Use care to avoid damaging the wire harness.

Note: 2 of the screws along with panel brackets to be installed on the lower inside of the firebox.
3. Unit is installed correctly when the flanges that secure the firebox to the outer shell contact. Ensure the unit is centered within the existing firebox, attach the outer shell to the existing firebox using 4 x sheet metal screws.
4. Install 2 self tapping screws at the front edge corners of the drafthood bottom to secure the drafthood.
5. Install 1 x Phillips screw to fasten drafthood. Install 2 x Phillips screws to secure left and right side of thermodisc bracket.

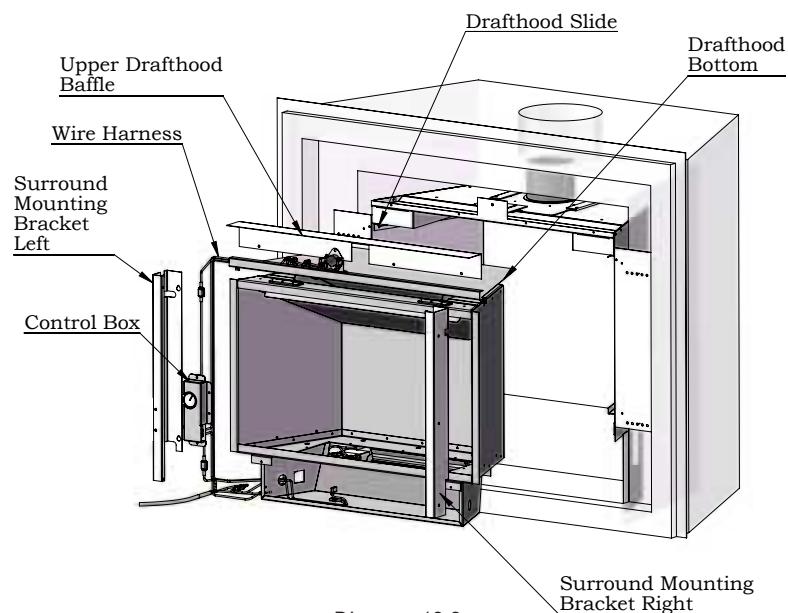


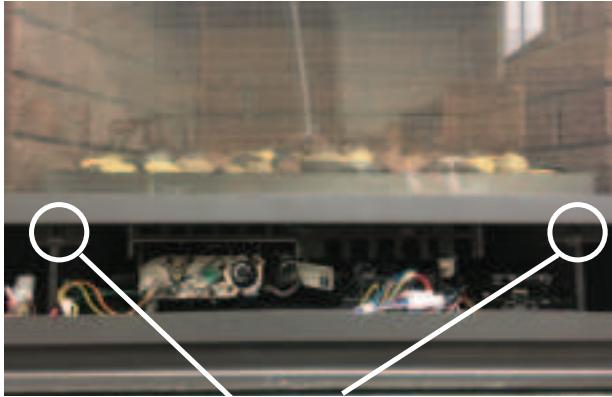
Diagram 12.2

ZC box existing Unit	Measured from Top of ZC box	Measured from side of ZC box
EP28	8-7/16" (215mm)	1-7/16" (37mm)
28F - 28F2	7-3/16" (183mm)	1-1/2" (39mm)
Montigo 36SR	6-3/8" (162mm)	1-9/16" (40mm)
Firesong 220N	8-3/16" (208mm)	2-1/8" (54mm)

STEP #4: SURROUND INSTALLATION

ONLY TRIM KIT SUPPLIED BY THE MANUFACTURER SHALL BE USED IN THE INSTALLATION OF THIS APPLIANCE.

1. Remove glass door and screen from unit by removing 2 screws. See below.



Retainer Screws

Diagram 13.1

2. Remove control box from rear surround by removing 2 screws. Disassemble control box, insert both fan control switch, fan control knob and on/off switch. Attach yellow and red wires to on/off switch as shown below and connect 2 female wires from fan speed control to 2 male wire connectors from wiring harness at appliance. Reassemble control box.

NOTE: The fan speed control is secured using a lock nut. The on/off switch is simply snapped into position and control knob slides over the fan control switch. Note the orientation of the on/off switch wires. See diagrams below.

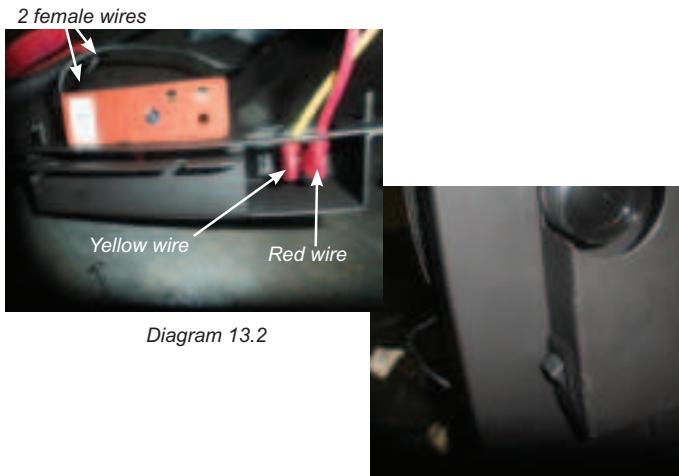


Diagram 13.2

3. Run wire harness from unit through notch in mounting bracket and then to control box as shown below.



Diagram 13.3

4. Attach control box to left mounting bracket with 2 screws.

NOTE: The screws are only a guide and do not fasten the bracket. The backing plate keeps the control box in place for ease of service.

5. Tuck wire harness on left top groove and secure with wire clips.
6. Feed power cord through left grommet. (If power outlet is on the right side of the unit, feed power cord through right grommet and use wire grommets to secure power cord inside the unit). See diagram 13.4.
7. Secure backing plate with mounting brackets to outer box by screwing 4 self tapping screws on flanges.

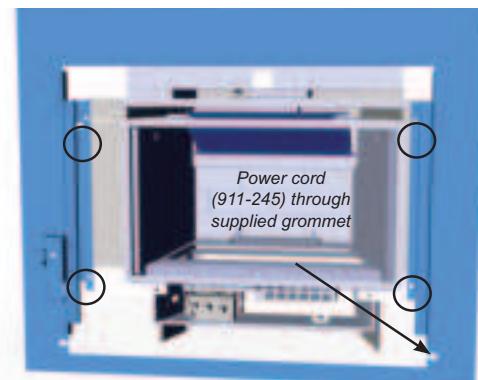


Diagram 13.4

MONTIGO 28 F3 ONLY

8. Attach front faceplate with 4 screws (2 on each mounting bracket). (Touch up screws with black paint, after install.)

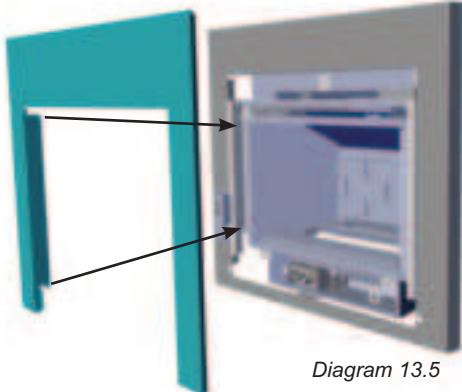
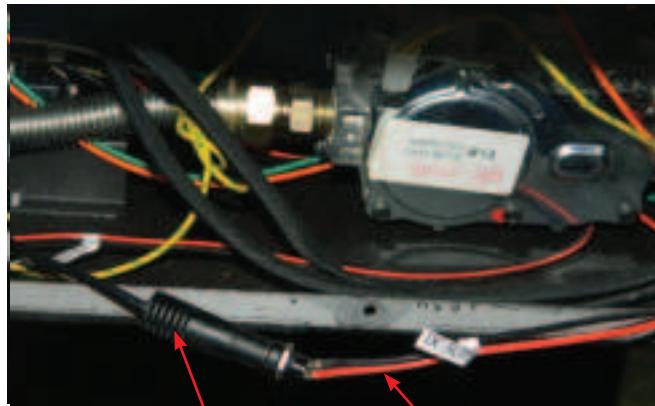


Diagram 13.5

9. Reinstall glass door and screen removed from step 1.

10. Locate the 'DC supply' wire on the wiring harness, the wire will be clearly marked. Attach the AC adaptor to the DC supply wire as shown. Do not plug into a 120V circuit until the install is complete.



AC adaptor DC supply wire from wiring harness

Diagram 13.6

11. Install control cover, adjust horizontal alignment by sliding control cover to ensure even spacing on both sides. Ensure control cover is seated down all the way.

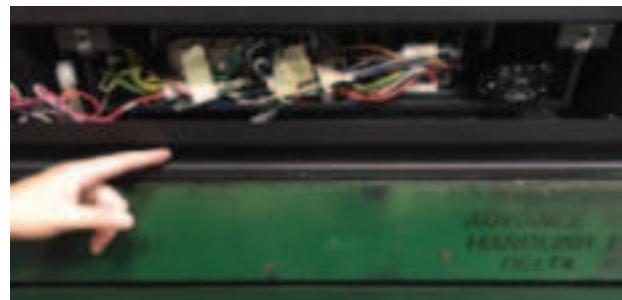


Diagram 13.7

12. To install filler piece, slide under faceplate and secure to backside of faceplate with magnets.



13. Completed install of filler piece.



ZERO CLEARANCE FACEPLATE INSTALLATION

1. Shut down existing unit and allow to cool to room temperature.
2. Turn off gas supply and disconnect electrical.
3. Remove all accessories from existing unit, ie. glass doors, louvers, etc.
4. Remove any tiles, hearth or surround from existing unit (if required).
5. Disconnect gas supply from existing unit.
6. Cut away a perimeter of drywall around the existing unit to expose the framing. See example below.

*Cut drywall*

7. Uninstall existing unit from framing.

*Remove unit from framing*

8. Disconnect venting from existing unit - remove carefully to avoid damage.

9. Remove existing unit from framed opening.



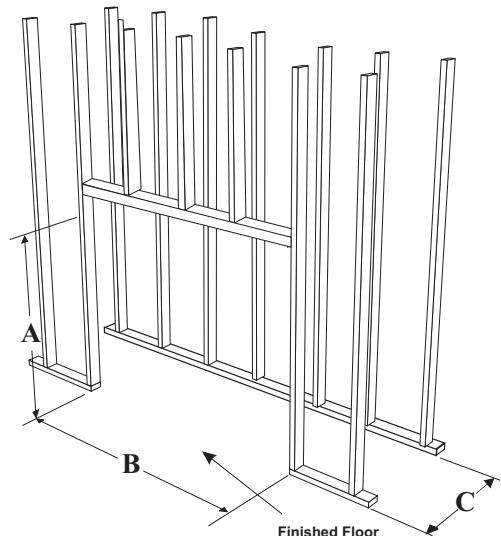
10. Measure framed opening and compare to dimension requirements. Additional adjustments to framed opening may be required.

ZERO CLEARANCE FRAMING DIMENSIONS

Framing Dimensions	Description	E18E
A	Framing Height	36" (914mm)
B	Framing Width	37 - 7/16" (951mm)
C	Framing Depth	15-1/2" (394mm)

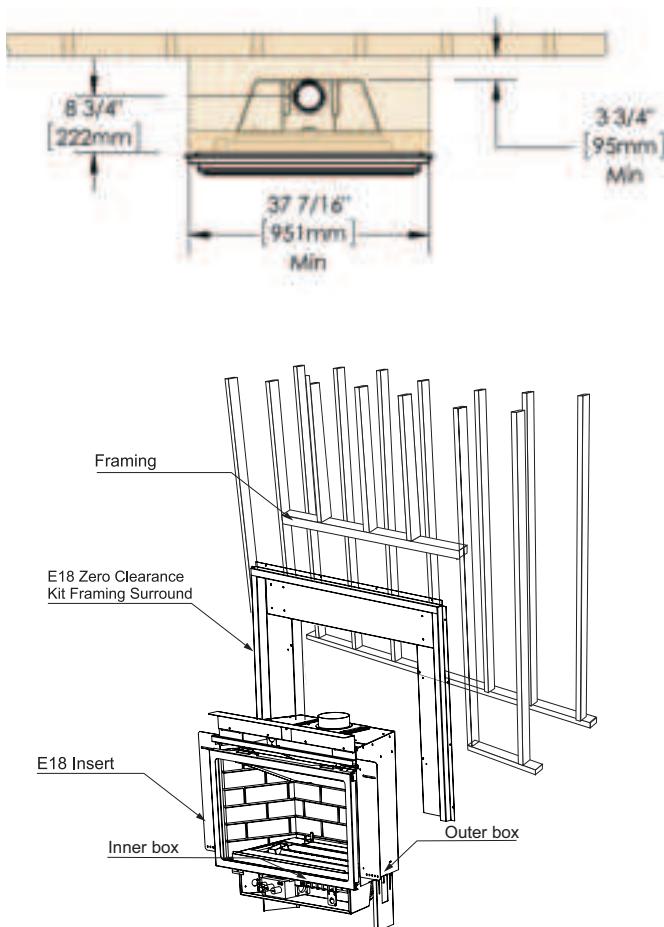
Electrical connection: 110v required
Fan must be on at all times to operate this unit.

Note: All framing may be of wood construction.



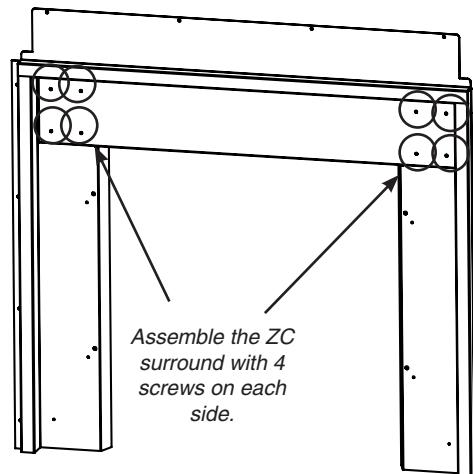
ZERO CLEARANCE FRAMING

When installing the E18E as a zero clearance, you will use the framing clearances in the following diagrams. Mantel and inside corner clearances can be found in Minimum Clearances to Combustibles.



ZERO CLEARANCE INSTALLATION

1. When framing is complete, ensure wiring is installed by an electrician prior to installing the unit.
2. Assemble ZC surround with 8 (904-897) screws provided in locations shown below.



3. Secure surround to the stud on each side with wood screws (not supplied).



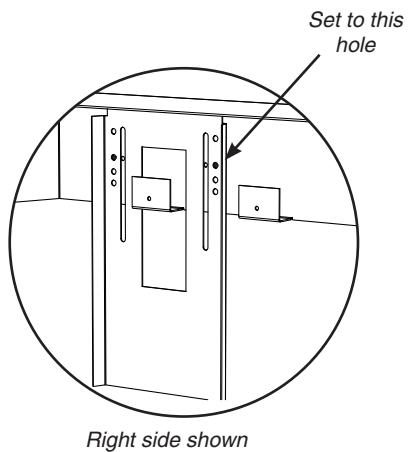
Use 4 screws on each side to secure surround to studs.

4. ZC surround installed into framed opening.



5. Separate E18E inner and outer fireboxes - see installation into existing unit section in the manual for details.

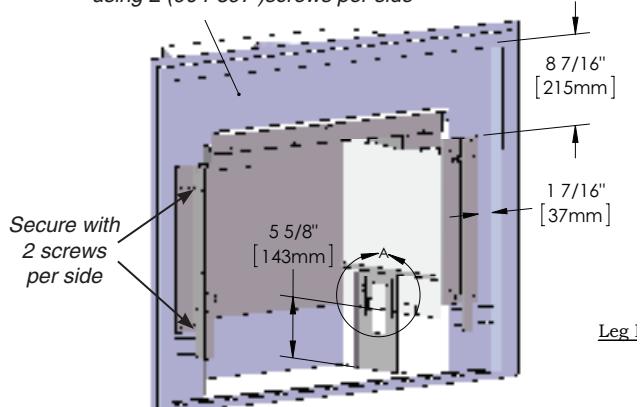
6. Set E18E outside firebox legs as shown below.



Outside firebox shown in position - refer to measurements (Step 7) before securing to surround.

7. Follow instructions in the manual for installation into a EP28-2 for exact measurements for installation of the outside firebox to the surround.

Secure outer firebox to the ZC faceplate using 2 (904-897) screws per side



8. The top panel of the ZC surround may be removed to ease the installation of the venting - reinstall top panel after venting is installed.

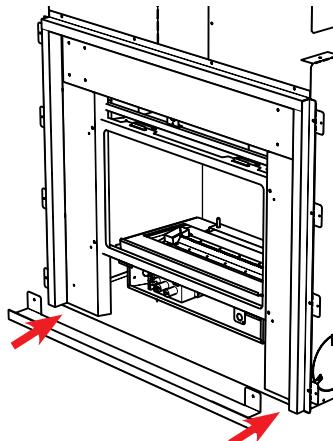
**Extra venting may be required--which is not included.*



9. Follow instructions in the installation into existing unit section in the manual to complete the install of inner firebox.

Follow Step 10 before installing faceplate.

10. Install lower trim piece with 2 (904-897) screws to the bottom of the ZC surround before installing faceplate.



FACEPLATE INSTALLATION

ONLY TRIM KIT SUPPLIED BY THE MANUFACTURER SHALL BE USED IN THE INSTALLATION OF THIS APPLIANCE.

1. Remove glass door and screen from unit by removing 2 screws. See below.

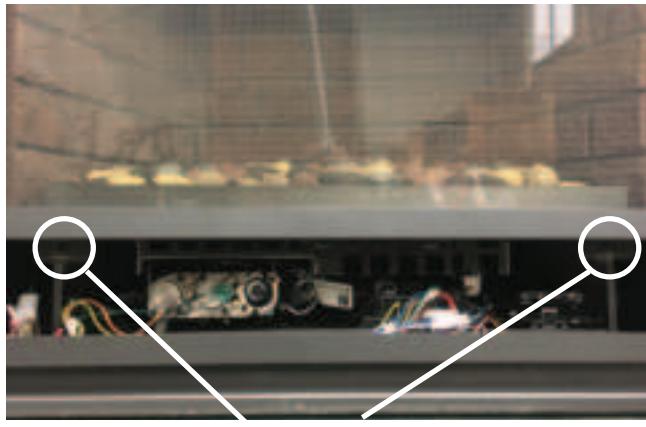


Diagram 13.1

2. Remove control box from rear surround by removing 2 screws. Disassemble control box, insert both fan control switch, fan control knob and on/off switch. Attach yellow and red wires to on/off switch as shown below and connect 2 female wires from fan speed control to 2 male wire connectors from wiring harness at appliance. Reassemble control box.

NOTE: The fan speed control is secured using a lock nut. The on/off switch is simply snapped into position and control knob slides over the fan control switch. Note the orientation of the on/off switch wires. See diagrams below.

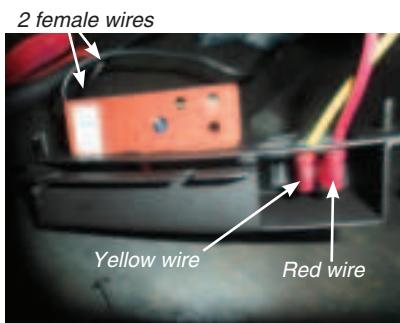


Diagram 13.2

3. Run wire harness from unit through notch in mounting bracket and then to control box as shown below.



Diagram 13.3

4. Attach control box to left mounting bracket with 2 screws.

NOTE: The screws are only a guide and do not fasten the bracket. The backing plate keeps the control box in place for ease of service.

5. Tuck wire harness on left top groove and secure with wire clips.
6. Feed power cord through left grommet. (If power outlet is on the right side of the unit, feed power cord through right grommet and use wire grommets to secure power cord inside the unit). See diagram 13.4.
7. Secure backing plate with mounting brackets to outer box by screwing 4 self tapping screws on flanges.

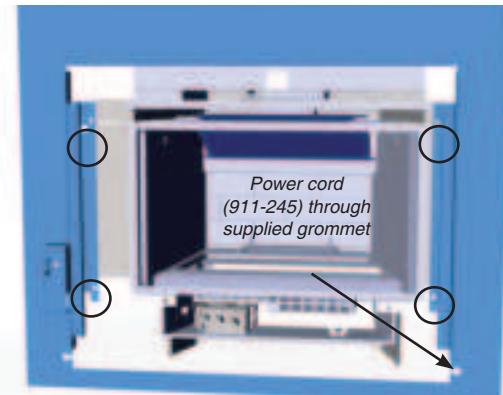


Diagram 13.4

8. Attach front faceplate with 4 screws (2 on each mounting bracket). (Touch up screws with black paint, after install.)

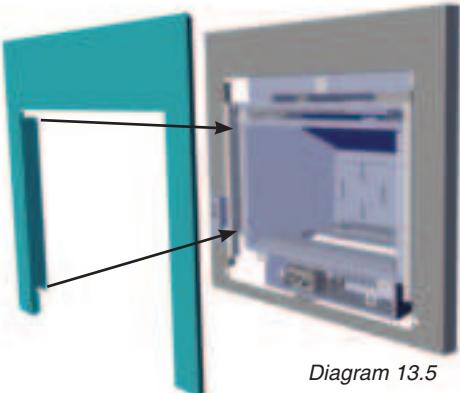


Diagram 13.5

9. Reinstall glass door and screen removed from step 1.

10. Locate the 'DC supply' wire on the wiring harness, the wire will be clearly marked. Attach the AC adaptor to the DC supply wire as shown. Do not plug into a 120V circuit until the install is complete.

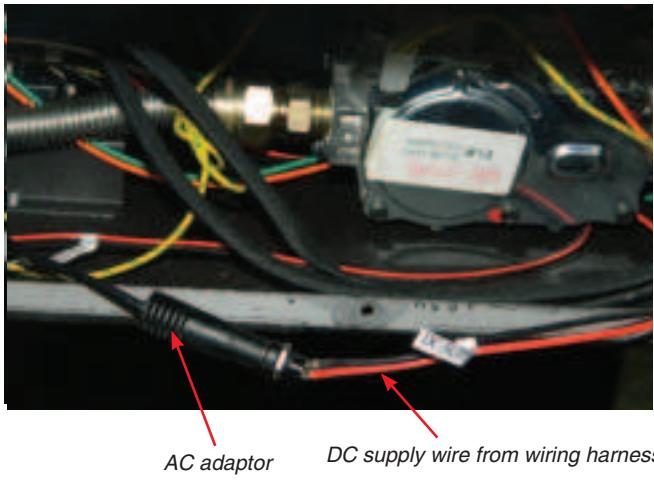


Diagram 13.6

11. Install control cover, adjust horizontal alignment by sliding control cover to ensure even spacing on both sides. Ensure control cover is seated down all the way.



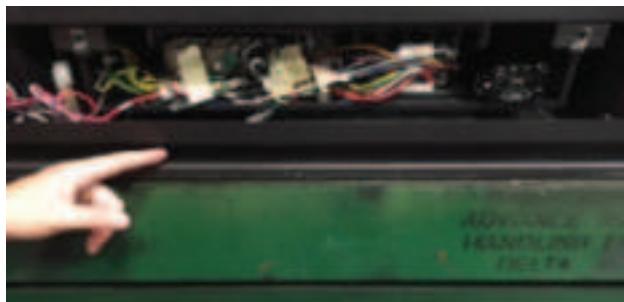
Diagram 13.7

MONTIGO 28 F3 ONLY

12. To install filler piece, slide under faceplate and secure to backside of faceplate with magnets.



13. Completed install of filler piece.



DRAFT RELIEF OPENINGS MUST NOT BE COVERED OR BLOCKED.

Optional WALL THERMOSTAT

A wall thermostat may be installed if desired, connect the wires as per the wiring diagram. Use table below to determine the maximum wire length.

Note: Preferable if the thermostat is installed on an interior wall.

Regency® offers an optional programmable thermostat but any 250-750 millivolt rated non-anticipator type thermostat that is CSA, ULC or UL approved may be used.

CAUTION
**Do not wire millivolt
wall thermostat wires
to 120V wire.**

Thermostat Wire Table

Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System)	
Wire Size	Max. Length
14 GA.	50 Ft.
16 GA.	32 Ft.
18 GA.	20 Ft.
20 GA.	12 Ft.
22 GA.	9 Ft.

Optional REMOTE CONTROL

Use the Regency® Remote Control Kit approved for this unit. Use of other systems may void your warranty.

The remote control kit comes with a hand held transmitter and receiver.

**See Wiring Diagram for
Remote installation**

Receiver cannot be wall mounted, receiver to be installed in the fireplace.

1. Install 3 AAA alkaline batteries in transmitter and 4 AA alkaline batteries in the receiver. Switch the remote receiver to "remote" mode. The remote control is now ready for operation.
2. Receiver to be mounted in the fireplace--can not be wall mounted.

CAUTION
**Do not wire millivolt
remote control wires
to 120V wire.**

Optional WALL SWITCH

1. Run up to 10' of wire through the right or left side gas inlet opening. Be careful not to damage wire.

Note: We recommend a maximum of 10' of wire but if you wish to go with a longer run, use the Thermostat Wire Table.

**See Wiring Diagram for
Wall Switch installation**

CAUTION
**Do not wire millivolt
wall switch wire
to 120V wire.**

AC POWER ADAPTOR INSTALLATION (FOR SUREFIRE SYSTEMS)

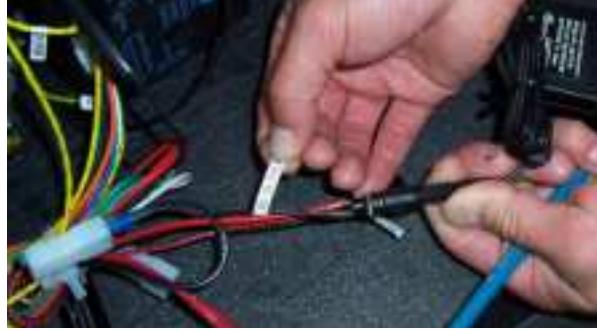
An AC power adaptor **MUST** be installed as a constant power source for the SureFire system.

IMPORTANT: Do not use the 4-AA batteries in the SureFire receiver.

INSTALL AC ADAPTOR WITH SUREFIRE WALL SWITCH/WALL THERMOSTAT ONLY - (WITHOUT REMOTE)

1. Locate "DC Supply" tag on wire harness (located in the unit).

2. Connect the male end from AC adaptor to the female end tagged "DC Supply" on wiring harness in unit.



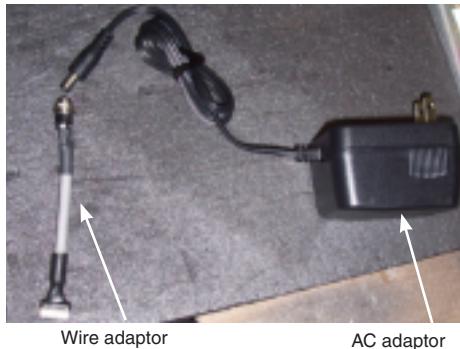
3. Plug AC adaptor into 120V power cord located inside the gas fireplace firebox).

4. Neatly tuck any loose AC Power Adaptor wires underneath / inside the appliance.

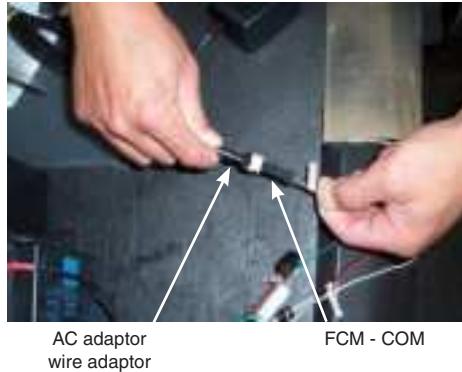
Note: Ensure that wires do not touch the underside of the firebox (keep wires away from the heat as much as possible).

INSTALL AC ADAPTOR WITH SUREFIRE PROFLAME REMOTE

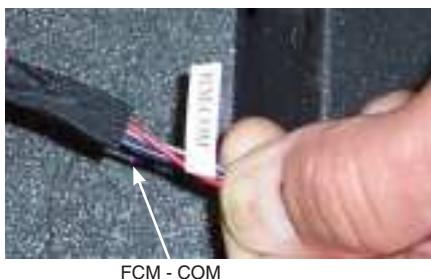
1. Connect the male end of the AC adaptor (from unit) to the female end of the wire adaptor (supplied with optional remote) together as shown.



3. Attach female end of DC supply wire (red/black) from valve wiring harness located on unit to the male FCM-COM supply wire (red/black) from remote control wiring harness - be careful not to damage ends. This only fits one way. Do Not Force in wrong way.



2. Locate FCM - COM connector labeled on the Remote wire harness.



4. Plug AC adaptor into 120V wall outlet (or into 120V power cord located inside the gas fireplace firebox).

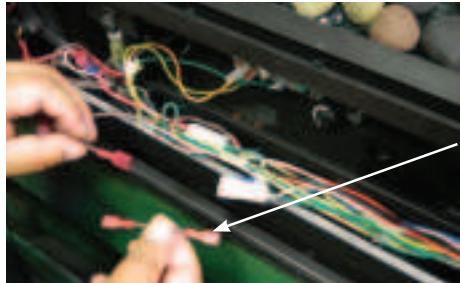
5. Neatly tuck any loose AC Power Adaptor wires underneath / inside the appliance.

Note: This should only be plugged in when unit is fully installed and ready for use.

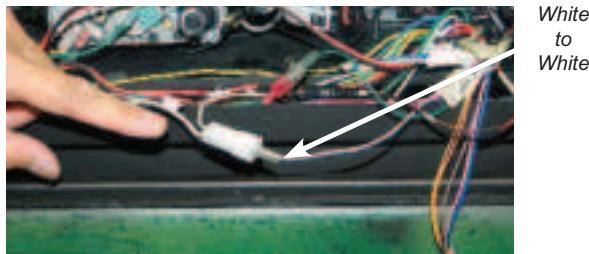
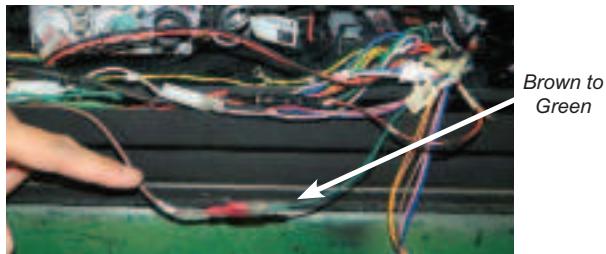
Note: Ensure that wires do not touch the underside of the firebox (keep wires away from the heat as much as possible).

GTM REMOTE INSTALLATION

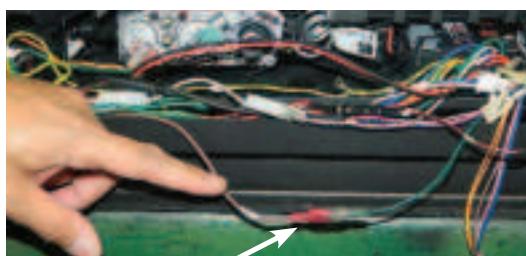
1. Shut off the gas supply and disconnect all power to the unit.
2. Remove the control cover.
3. Identify short (3" long) brown wire that is attached to the white wire coming from the DFC. Remove the 3" brown wire and discard.



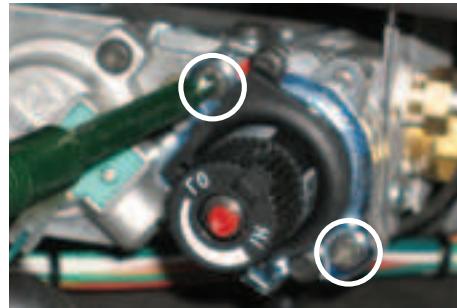
4. Connect the Green wire from the GTM wire harness to the brown, connect the white wire from the same harness to white.



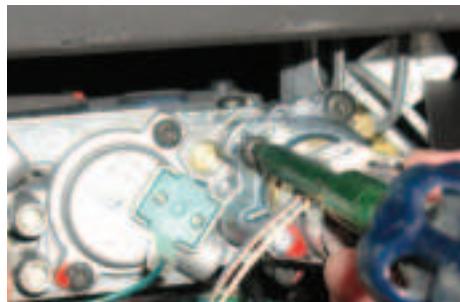
5. See AC adaptor install instructions in this manual.



6. Remove the hi/lo knob if installed by removing 2 screws as shown below.



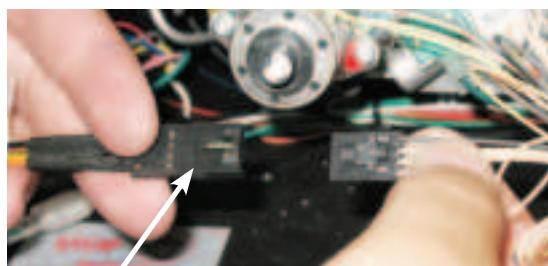
7. Install the stepper motor in the same location the hi/lo knob was removed from - with 2 screws as shown below.



8. Plug wiring harness into back of receiver as shown below.



9. Plug the stepper motor into the 'motor wire' as shown below.

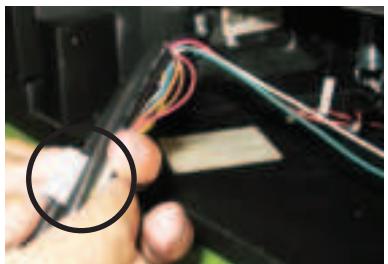


10. To unattach these wires - un-clip from the wires on the stepper motor side as shown below.



Press down this tab

11. Bundle all wires together and clip with supplied wire clip - as shown below.



12. Attach the receiver to the floor of the unit with a velcro pad - also peel off paper on back side of wire clip and place wires conveniently in appliance.

13. Switch on left side of faceplate must be in <ON> position.



14. Match the remote control to the receiver - see remote control instructions.

15. Reverse steps 2 and 1.

CONVERSION KIT 617-969 - NATURAL GAS TO PROPANE USING SIT 886 GAS VALVE

**THIS CONVERSION MUST BE DONE BY A QUALIFIED GAS FITTER
IF IN DOUBT DO NOT DO THIS CONVERSION !!**

Each Kit contains one LPG**Conversion Kit****LPG Conversion Kit Contains:**

Qty.	Part #	Description
1	904-977	Burner Orifice #55
1	918-590	Decal "Converted to LPG"
1	908-528	Red "LPG" label
1	904-529	5/32" Allen Key
1	911-009	Hi/Lo regulator
1	910-101	LPG Injector (Pilot Orifice)
1	919-790	Instruction Sheet

7. Remove pilot retainer clip with pliers and pull off the pilot cap to expose the pilot orifice.

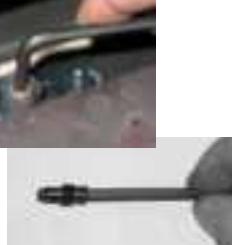


Pilot retainer clip

8. Pull off the pilot cap to expose the pilot orifice.



9. Unscrew the pilot orifice with the allen key; then replace with the LPG pilot orifice and the pilot cap, provided in the kit.



10. Reinstall new burner orifice LPG stamped #55 and tighten

11. Remove Hi/Lo pressure regulator by removing 2 screws as shown below. Reverse steps to install LP pressure regulator.



12. Attach the label "This unit has been converted to LPG" near or on top of the serial # decal.

13. Replace yellow "NG" label with red "LPG" label.

14. Reverse steps 3 - 1.

15. Check for gas leaks.

16. Check inlet and outlet pressures.

17. Check operation of flame control.

18. Adjust the burner aeration setting to Fully Open and adjust as required for the best flame picture.

19. See manual for Gas Pressure Testing instructions



Burner Orifice



Burner Orifice

Installer Notice:

These instructions must be left with the appliance.

GLASS BURNER INSTALLATION / REMOVAL

1. Angle the Glass Burner up on left side and slide the mixing tube over the orifice.



Diagram 14.1

3. Screw down the Glass Burner with two screws.



Diagram 14.3

4. Hang the Front Burner Cover on the front edge.



Diagram 14.4

5. To remove--reverse Steps 4-1

ENAMEL PANEL INSTALLATION

Black Enamel Panels

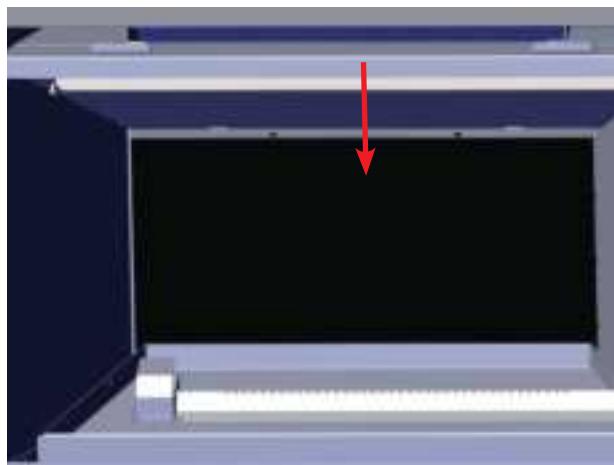
• Black Enamel panels must be inspected for scratches and dimples prior to installation. All claims to be recorded at this time. Claims for damage after installation will not receive consideration.

• Black Enamel panels will discolor a little during normal operation. This is normal and should not be considered a defect.

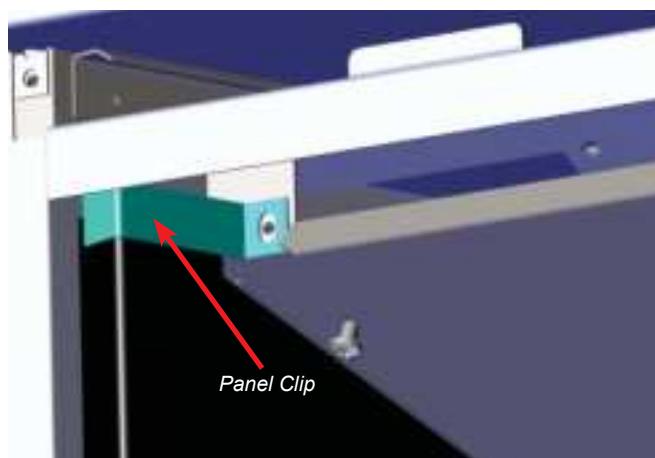
* All hand and finger marks **MUST** be cleaned off with a soft cloth. Use an ammonia based cleaner (ie. glass cleaner) to remove any fingerprints before applying heat to the unit.

Failure to do this will result in burn stains on panels which you will be unable to remove. Not protected by product warranty.

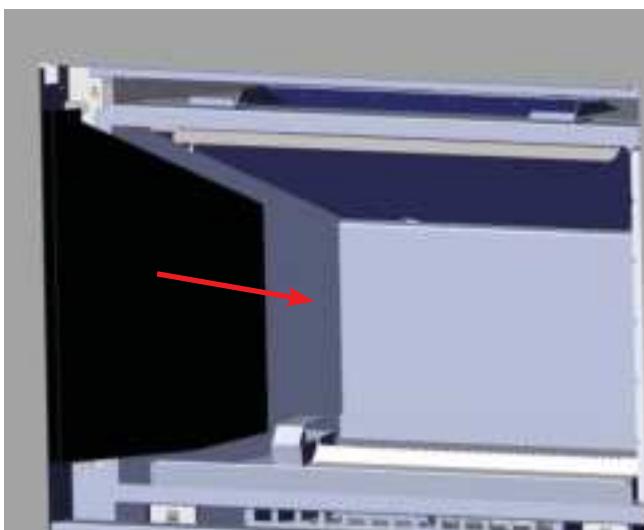
1. Centre back panel on the back wall of the firebox.



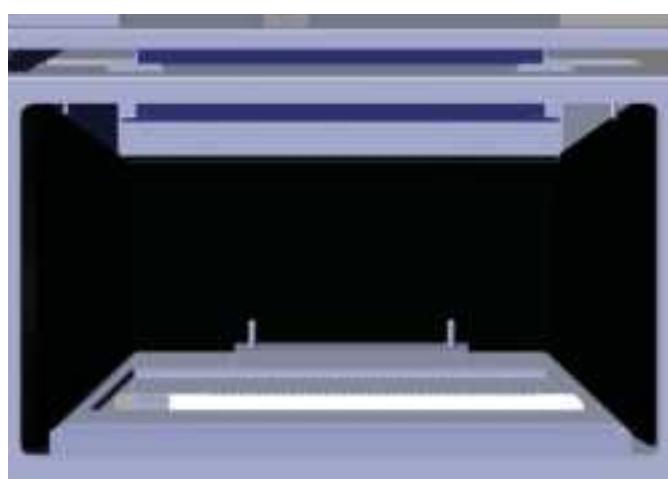
3. Secure panel in position with panel clip - secure panel clip with one screw (provided).



2. Slide in side panel into place in lower track.



4. Repeat steps 2 & 3 on other side.



Final Install

GLASS CRYSTALS AND OPTIONAL CERAMIC SPA OR VOLCANIC STONES INSTALLATION ON BURNER AND FIREBOX FLOOR

Evenly spread the Glass Crystals or optional Ceramic Spa Stones over the burner.

Ensure the crystals (or stones) do not overlap too much as this will effect the flame pattern.

IMPORTANT NOTE:

Only the supplied approved Glass Crystals and Ceramic Spa Stones are to be used with these fireplaces. Use of any other type of glass crystals or stones can alter the unit's performance, any damage caused by the use of any unapproved glass or stones will not be covered under warranty.

When using Ceramic Spa Stones **DO NOT** cover burner ports or pilot light that lead to pilot flame. Ensure the crystals or stones do not overlap excessively as this will effect the flame pattern.

BURNER PACKAGES			
Unit	*Glass Crystals	**Ceramic Spa Stones	Volcanic Stones
E18E	5 lbs	70 spa stones	1 box
NOTE: * Glass Crystals are available in 1lb and 5lb bags.			
** Ceramic Spa stone package contains 70 stones			



Diagram 15.1



Diagram 15.2



Diagram 15.3



Diagram 15.4

3. Spread Crystals evenly over the burner and firebox base

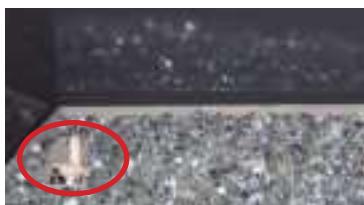


Diagram 15.5

4. Ensure Crystals **DO NOT** block the front of the pilot hood and flame to light the burner



Diagram 15.6

Glass Crystals shown on Burner and Firebox Floor

NOTE: Correct final glass installation of Crystals shown in step 3 and 4. The Burner and Firebox Floor should not be visible when the flame is out.

OPTIONAL SPA OR VOLCANIC STONES INSTALLATION (AROUND BURNER)



Diagram 15.7

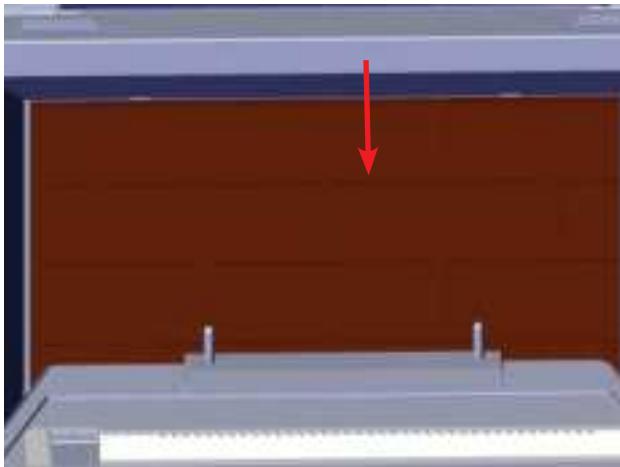


Diagram 15.8

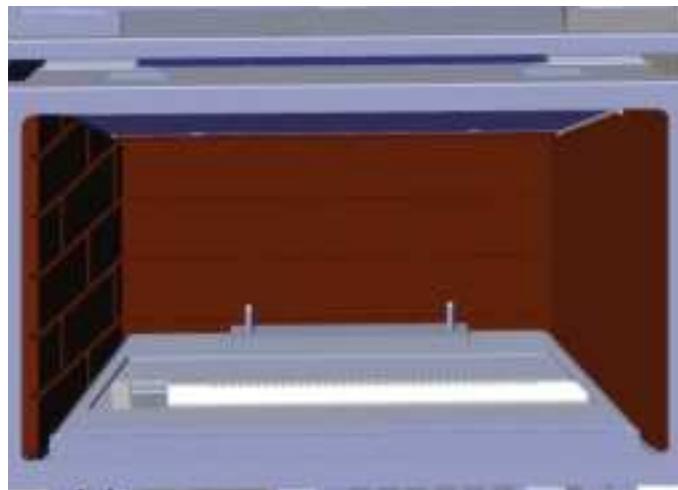
NOTE: Spa or Volcanic Stones are **NOT** to be placed anywhere on the burner tube or Pilot assembly area.

BRICK PANEL INSTALLATION

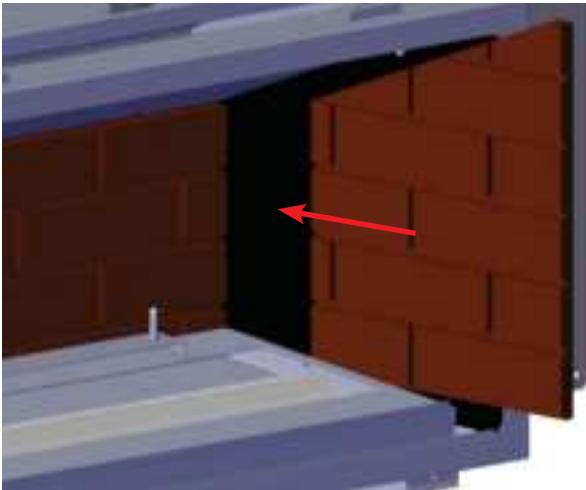
1. Position back brick panel on the back wall of the firebox.



5. Repeat steps 2-4 on other side.



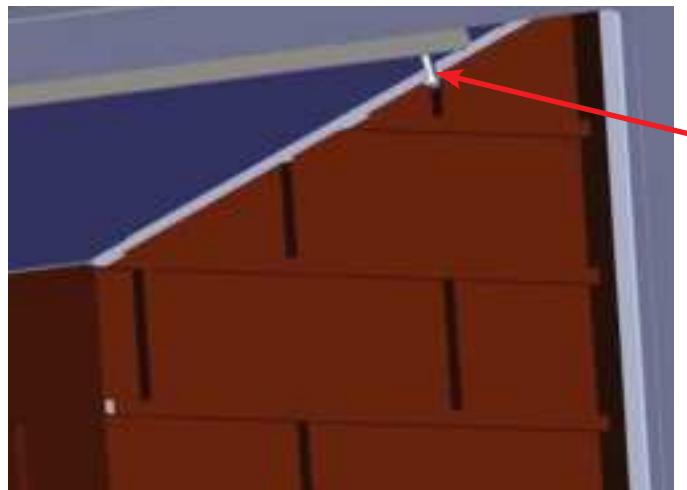
2. Slide in side panel.



Final Install

3. Position panel so that grout line in the panel lines up with screw in the baffle.

4. If required, lower screw to secure panel in position.



Line up screw and grout line.

LOG TRAY INSTALLATION

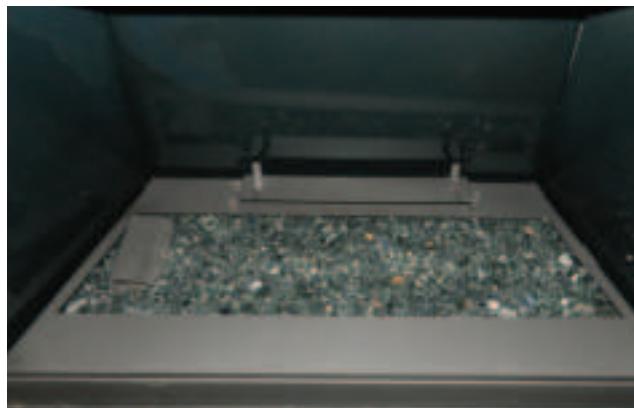
1. Remove the Log Burner Tray from the box. Hang the front burner cover on the front edge of the burner tray. Place the Log Burner Tray on the Glass Burner Tray.



2. Screw the Log Burner Tray to the Glass Burner Tray.



3. Install the Log Burner the same way as the Glass Burner (see installation manual for instructions).
4. Fill the Log Burner with 2lbs of black glass crystals.



LOG SET INSTALLATION

Installation of Panels must be completed before installing the log set.

* Log instructions shown with Black Enamel Panels

Read the instructions below carefully and refer to the images. If the logs are broken do not use the unit until they are replaced. Broken logs can interfere with pilot operation.

Improper positioning of the logs may create carbon build-up and can alter the unit's performance which is not covered under warranty.

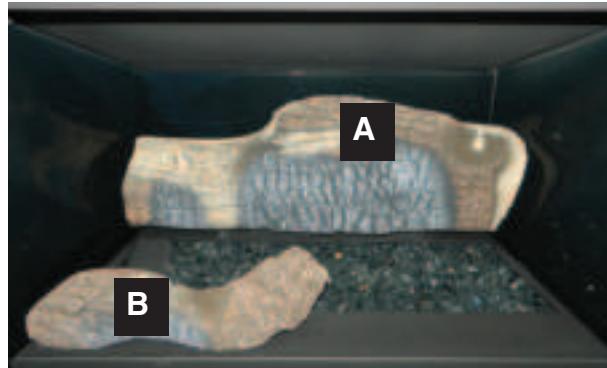
Log Kit #619-935 contains the following pieces:

A	Rear Log
B	Front Left Log
C	Front Right Log
D	Left Side Log
E	Right Side Log
946-675	2lb Fireglass
946-669	Platinum Embers
946-708	Embaglow Embers
	1C Ember Lava
616-515	Log Tray Assembly
	Screws x 2

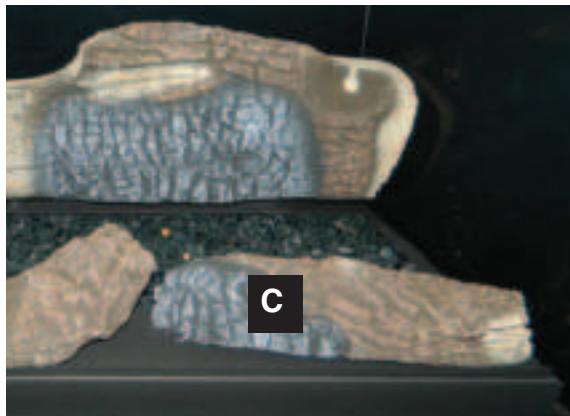
1. Place Log A over the two posts at the back of the log burner.



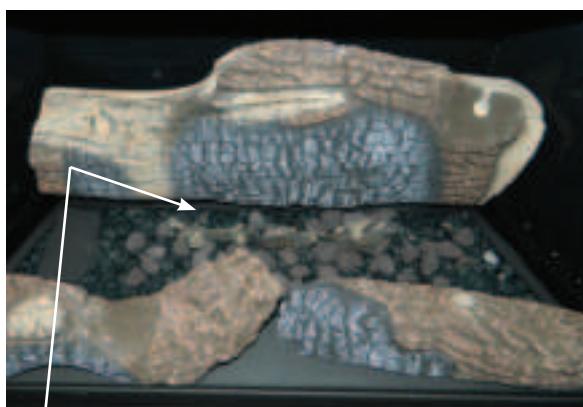
2. Place Log B at the front left of the Log Tray.



3. Place Log C at the front right of the log tray.

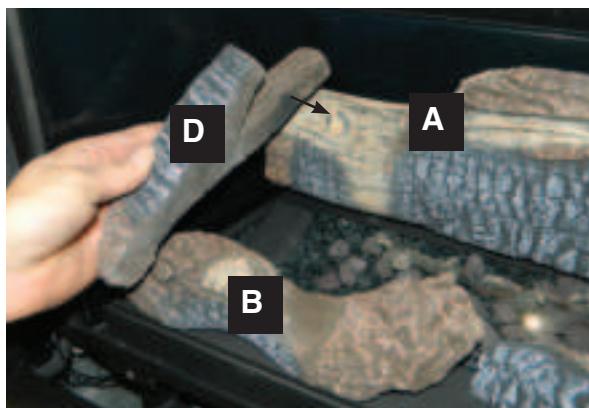


4. Place ember lava, platinum embers, and embaglow on the burner, being careful not to cover the pilot or the gas ports.

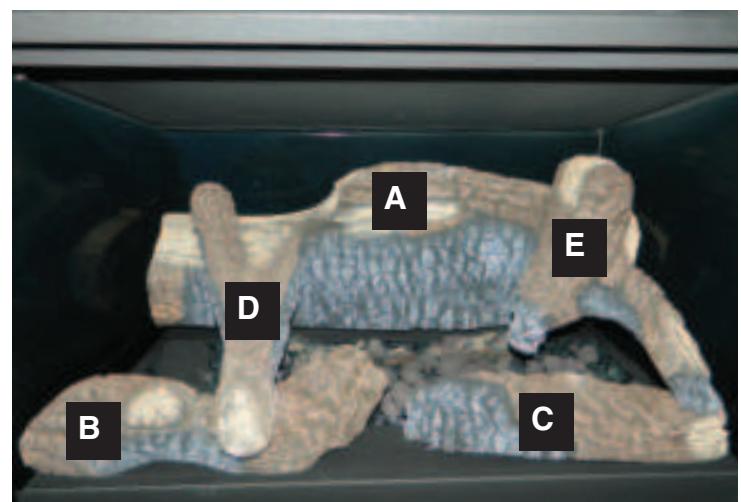
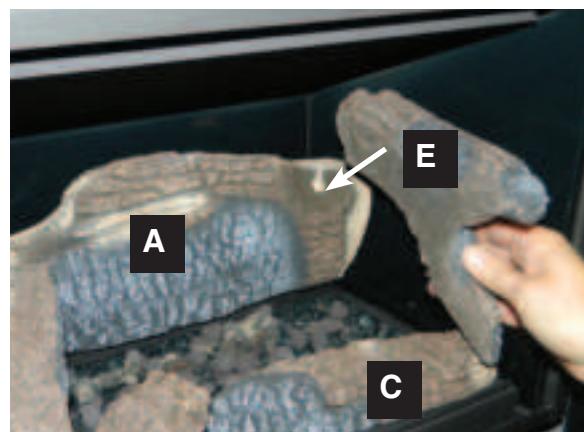


Ember Lava, Embaglow, Platinum Embers

5. Place Log D on the left pin of Log A and the groove in Log B.



6. Place Log E on the right pin on Log A and on top of Log C.



Final Install

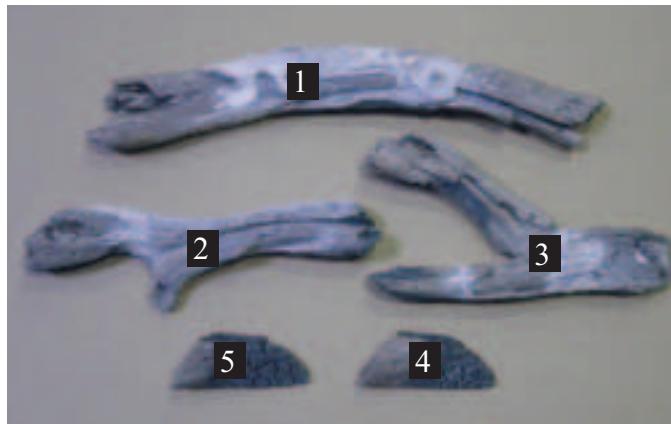
OPTIONAL LOG SET INSTALLATION

Read the instructions below carefully and refer to the images. If the logs are broken do not use the unit until they are replaced. Broken logs can interfere with pilot operation.

Improper positioning of the logs may create carbon build-up and can alter the unit's performance which is not covered under warranty.

*Satin dark brown paint is included if touch ups are required.

1	Rear Log
2	Left Log
3	Right Log
4	Front Center Log Piece
5	Front Left Log Piece
	Log Brackets x 2



1. Shut off gas and electrical supply, allow unit to cool to room temperature.
2. Remove flush glass door (see unit manual).
3. Carefully remove the logs from the packaging and unwrap them. The logs are fragile, handle with care -never force into position.
4. Ensure glass crystals are installed on the burner. E18 = 5lbs
5. Install log brackets by clipping brackets to back of burner tray - measure 4" from outside edge of the burner tray to outside edge of bracket.



Brackets installed 4" from outside edge of burner tray

6. Install Rear Log (1), center log and rest on both left and right log brackets with pins facing up.



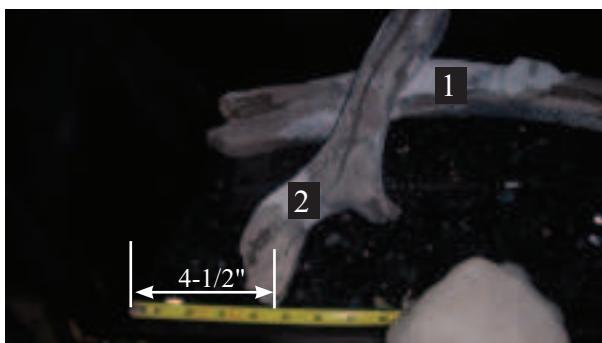
Rear log in position

7. Install Log 2 by matching pin locator on Log 2 with left pin on Log 1 as shown below.



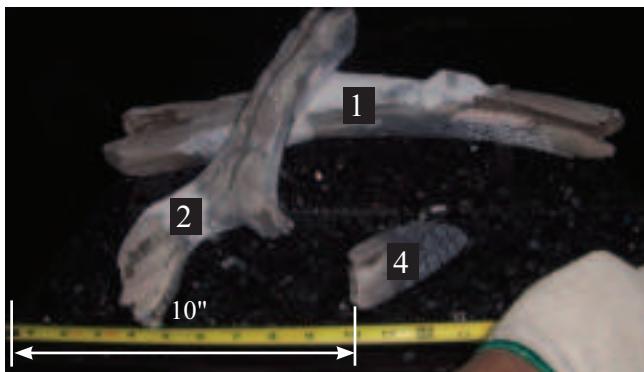
Log 2 pin locator match with Log 1 pin

8. Log 2 in position, Log 2 should touch lip of burner approximately 4-1/2" from the left outside edge of burner tray.



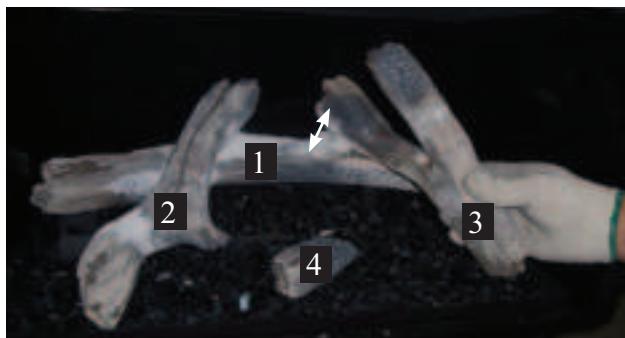
Log 2 in position

9. Place Log piece (4) on the glass crystals in the location shown below.



Right Log piece(4) positioned on glass

10. Install Log 3 by matching pin locator on Log 3 with right pin on Log 1 as shown below.



Installing Log 3

11. Installed Log 3 should touch burner position in the location shown below.

* Measurement taken from left edge of burner tray - approximately 18".



Installed position of Log 3

12. Position Log 5, rest on pilot hood as shown below.



Log 5 in position

13. Place lava embers/rocks on glass - ensure rocks do not block pilot. Do not place lava rocks/embers too close to logs as this may cause carboning.

14. Adjust aeration, see unit manual for setting.

15. Reverse Steps 2 and 1.

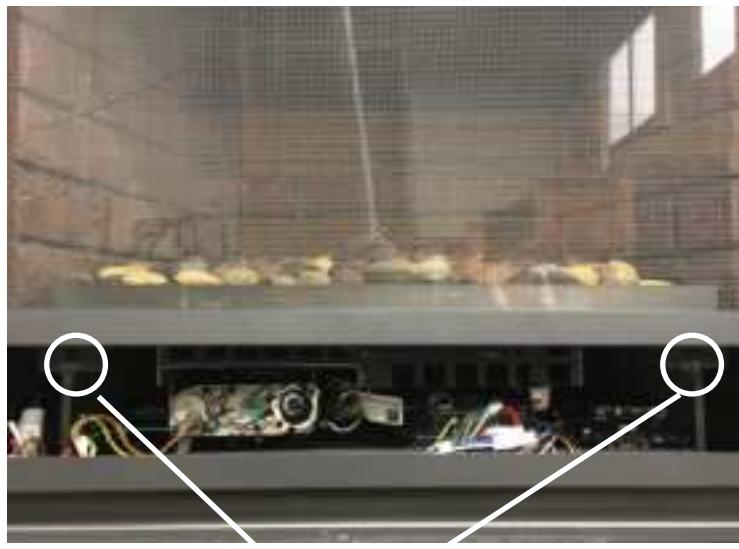


E18 final install

GLASS DOOR / SCREEN INSTALLATION/ REMOVAL

1. Remove control cover to access door retainer screws.
2. Remove 2 door retainer screws. (Diagram 16.1)
3. Pull door out, then lift up and out to remove. (Diagram 16.2)
4. Reverse Steps 3-1 to reinstall.

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.



Retainer Screws

Diagram 16.1



Diagram 16.2

SAFETY SCREEN REPLACEMENT PART # 616-929

1. Remove Door as per E18E Installation section of the manual.
2. Remove the 4 screws to remove Safety Screen from Door.
3. Reverse order to reattach.
4. Install control cover supplied with screen.

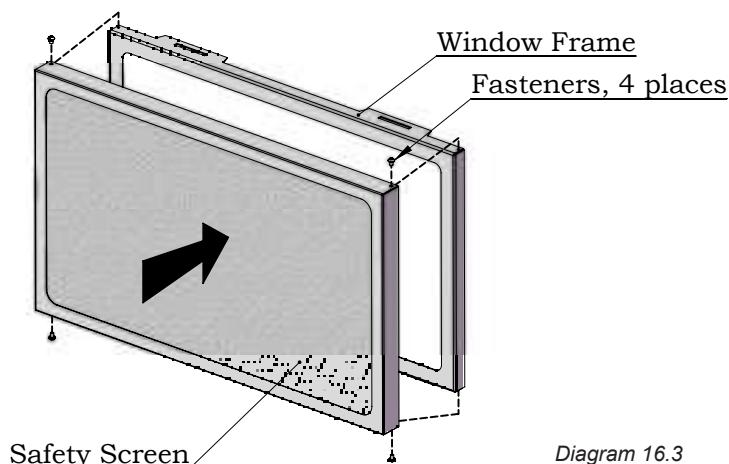


Diagram 16.3

DRAFTHOOD CHECK

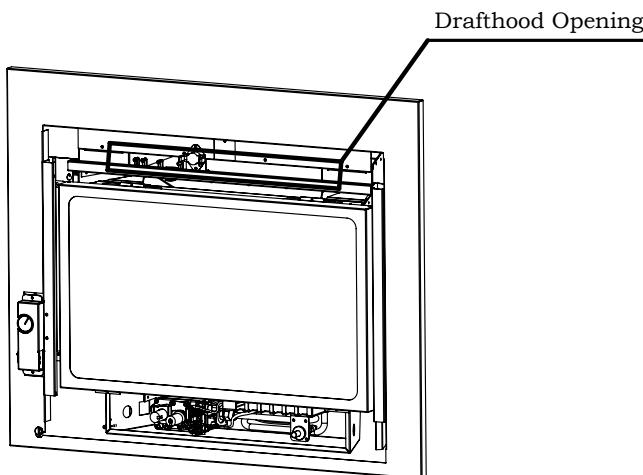
A "spillage" test must be made before the installed unit is left with the customer. Follow the procedure below:

1. Start all exhaust fans in the home and then close all external doors and windows in the house. Remove the Front Trim from the E18E to gain better access to the Drafthood Opening. Make sure the Glass Door is on properly.
2. Light the unit and set controls to maximum.
3. After five minutes, test that there is a "pull" on the flue by placing a smoke match, cigarette or similar device which gives off smoke, in front of the spill tube. See diagram 17.1.

Check for proper draft by placing a match close to the drafthood opening. This should be checked after the unit has been operating for 15 min. The smoke should be drawn into the Drafthood. If the smoke is still not drawn into the Drafthood turn the unit off and check for the cause of the lack of draft. If necessary, seek expert advice. For wind turbulent sites, a wind cap may remedy the problem.

The thermally actuated safety switch will automatically reset after it has cooled off. The switch will continue to cycle until the draft problem is corrected. DO NOT BYPASS OR DISCONNECT THIS SWITCH.

Note: The thermally activated safety switch will sense the change in temperature and shut down the gas valve in the event of a severe downdraft or a blocked or disconnected vent. The switch acts as a safety shut-off to prevent a build-up of carbon monoxide. If the flue is blocked or has no "draw", the switch will automatically shut off the supply of gas within 5 - 10 minutes. Tampering with the switch can result in carbon monoxide (CO) poisoning and possible death. If the heater turns off because of lack of draft during the spillage test, check for the cause and if necessary, seek expert advice.



E18 Shown with front faceplate removed

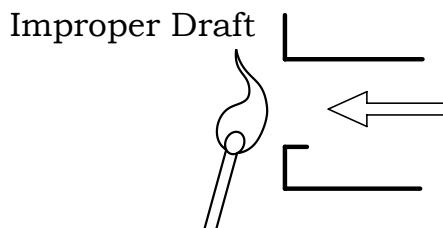
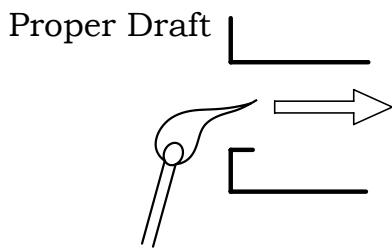


Diagram 17.1

SAFETY SWITCHES

The E18E uses two safety switches to maintain proper operation.

The first is a Spill Switch which will shut off the appliance if continuous spilling of exhaust gas from the drafthood occurs. The spill switch will shut off the Main Burner but not the Pilot. This switch resets automatically, if the problem persists the appliance will cycle on and off. If this occurs, shut the unit off and contact a technician.

The second is a Primary Limit Switch. This switch confirms that the circulation fan is operating normally. If for any reason the circulation fan fails, the Primary Limit Switch will turn off the Main Burner but not the Pilot before the appliance becomes too hot. This switch is automatic resetting, so if the problem persists you will see your appliance cycling on and off. If this occurs shut the unit off and contact a technician.

OPERATION CONTROLS

FIREPLACE CONTROLS

The E18E has 3 controls for controlling flame height, fan speed and flame on/off. The fan on the E18E is designed to come on once the fireplace has reached a pre-determined temperature, and to go off once the temperature has dropped following use.

The speed of the fan can be varied by adjusting the Fan Speed Control dial up or down. These controls are located to the left side of the Surround Panels.

Providing that the pilot system is in standing mode, the main burner can be turned on or off by way of a switch located just below the Fan Speed Control dial.

See the Lighting Instruction section in this manual for information on lighting the pilot.

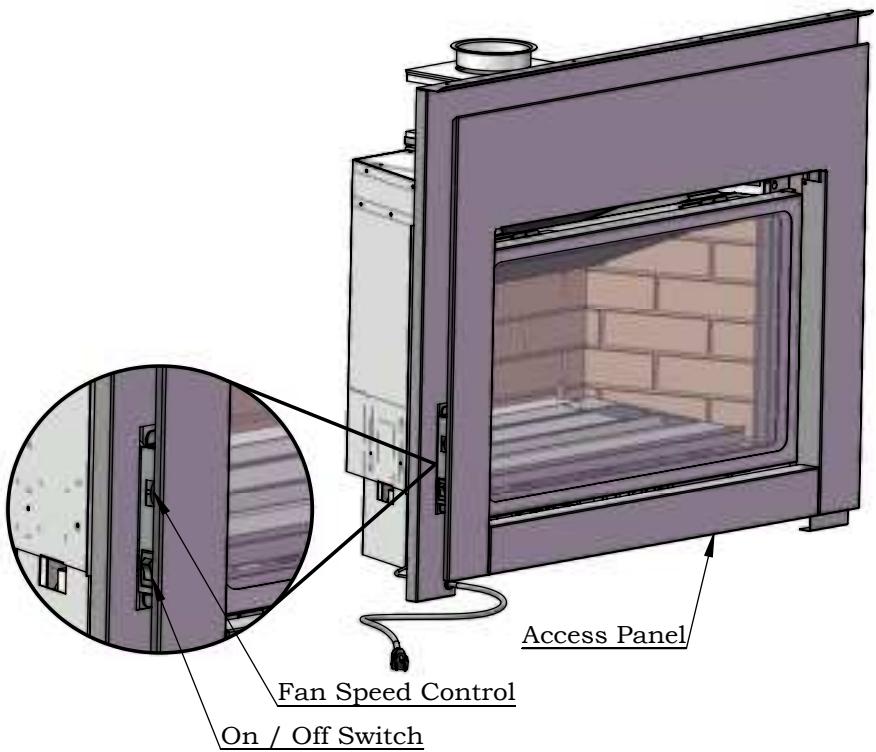
The flame height can be adjusted from minimum to maximum by way of an adjustment knob on the Control Valve, located behind the Access Panel.

The Access Panel is held in place by magnets and can simply be lifted away from the unit and set aside.

Note: Supplied white cord channel

Use cord channel to obscure cord and keep tidy. The cord is located on the left hand side of the appliance.

1. Open channel and feed cord through.
2. Peel off backing of cord channel and adhere to hearth.



Flame control

Diagram 18.1

COPY OF THE LIGHTING PLATE INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE LIGHTING

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

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or gas supplier. **AVERTISSEMENT:** Quiconque ne respecte pas scrupuleusement les instructions de la présente notice risque de déclencher un incendie ou une explosion pouvant entraîner des dégâts matériels ou des blessures pouvant être mortelles. Tout défaut d'installation, de réglage, de modification, de service ou d'entretien peut entraîner des blessures ou des dommages matériels. Reportez-vous au manuel d'utilisation fourni avec cet équipement. Pour obtenir de l'aide ou des informations complémentaires, consulter un installateur ou un service d'entretien qualifié, ou le fournisseur de gaz.

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

B) **BEFORE OPERATING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch, do not use any phone in your building.
- Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

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

A) Cet appareil est muni d'un dispositif d'allumage qui allume automatiquement la veilleuse. Ne tentez pas d'allumer la veilleuse manuellement.

B) **AVANT LA MISE EN MARCHE**, reniflez tout autour de l'appareil pour déceler une odeur de gaz. Reniflez au niveau du plancher, car certains gaz sont plus lourds que l'air et peuvent s'accumuler au niveau du sol.

QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :

- Ne tentez pas d'allumer l'appareil.
- Ne touchez à aucun interrupteur; n'utilisez pas de téléphones se trouvant dans le bâtiment.
- appelez immédiatement votre fournisseur de gaz depuis un téléphone extérieur. Suivez les instructions du fournisseur.
- Si vous ne pouvez pas rejoindre le fournisseur, appelez le service incendie.

C) N'utilisez pas cet appareil si il a été plongé dans l'eau, même partiellement. Faites inspecter l'appareil par un technicien qualifié et remplacez tout élément du système de contrôle ou de commande qui a été plongé dans l'eau.

CAUTION: Hot while in operation. Do not touch. Severe Burns may result. Due to high surface temperatures keep children, clothing and furniture, gasoline and other liquids having flammable vapors away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

LIGHTING INSTRUCTIONS

- 1) Turn on ON/OFF switch
- 2) After approximately 4 seconds the spark ignition system will spark for 60 seconds to light the main burner.
- 3) The unit will turn on.

Note: The first attempt to ignition will last approximately 60 seconds. If there is no flame ignition (rectification) the board will stop sparking for approximately 35 seconds. After this wait time, the board will start a second try for ignition by sparking for approximately 60 seconds. If there is still no positive ignition after the second attempt the board will go into lock out.

The system will need to be reset as follows (after going into lock out mode):

- a) Wait 5 minutes - turn the system off using ON/OFF switch.
- b) After approximately 2 seconds turn on ON/OFF switch or press ON/OFF button if using optional remote.
- c) Unit will repeat step 2.

1) Appuyer sur la touche ON / OFF de l'interrupteur.

2) Attendre 4 secondes. Le système d'allumage produira des étincelles pendant 60 secondes afin d'amorcer le brûleur principal.

3) L'appareil s'allume.

Remarque : Au premier allumage, le système tente d'allumer les flammes pendant 60 secondes. Si l'essai est infructueux, le système fait une pause de 35 secondes. C'est ce qu'on appelle l'étape de rectification. Ce décalé écoulé, le système tente à nouveau d'allumer les flammes en produisant des étincelles pendant 60 secondes. Si les flammes ne s'allument toujours pas, le système se met en mode verrouillage.

Il faut alors le réinitialiser en suivant les étapes ci-dessous (pour le déverrouiller) :

- a) Attendre 5 minutes et éteindre l'appareil en utilisant l'interrupteur ON/OFF;
- b) Attendre environ 2 secondes et rallumer le système à l'aide de l'interrupteur ou de la télécommande en option.
- c) L'appareil répétera l'étape 2.

TO TURN OFF GAS APPLIANCE

- 1) Turn off ON/OFF switch
- 2) If service is to be performed - you must disconnect power to the unit.
- 1) Appuyer sur la touche ON / OFF de l'interrupteur.
- 2) Lors de l'entretien de l'appareil, vous devez débrancher l'alimentation électrique et couper le gaz alimentant l'appareil.

DO NOT REMOVE THIS INSTRUCTION PLATE

919-791

OPERATING INSTRUCTIONS

- 1) Read and understand these instructions before operating this appliance.
- 2) Check to see that all wiring is correct and enclosed to prevent possible shock.
- 3) Check to ensure there are no gas leaks.
- 4) Make sure the glass in the door frame is properly positioned. Never operate the appliance with the glass removed.
- 5) Verify that the venting and cap are unobstructed.
- 6) Ensure that the brick panels are installed.
- 7) Verify log placement. If the pilot cannot be seen when lighting the unit, the logs have been incorrectly positioned.
- 8) The unit should never be turned off, and on again without a minimum of a 60 second wait.

FIRST FIRE

The first fire in your fireplace is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time you use it with the fan on.

When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

The glass panel may require cleaning after the unit has cooled down.

DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.

Note: When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear in a few minutes as the glass heats up.

DO NOT BURN THE APPLIANCE WITHOUT THE GLASS FRONT IN PLACE.

During the first few fires, a white film may develop on the glass front as part of the curing process. The glass should be cleaned or the film will bake on and become very difficult to remove. Use a non-abrasive cleaner and NEVER clean the glass while it is hot.

LIGHTING PROCEDURE

IMPORTANT
To ignite or reignite the pilot, you must first remove the glass door.

- 1) Press and release on ON/OFF button once on the remote control or ON/OFF switch.
- 2) After approximately 4 seconds the spark ignition system will spark for 60 seconds to light the main burner.
- 3) The unit will turn on.

Note: The first try for ignition will last approximately 60 seconds. If there is no flame ignition (rectification) the board will stop sparking for approximately 35 seconds. After wait time, the board will start second try for ignition by sparking for approximately 60 seconds. If there is still no positive ignition the board will go into lock out.

The system will need to be reset as follows:

- a) Turn the system off using ON/OFF switch or press ON/OFF button - if using optional remote.
- b) After approximately 2 seconds turn on ON/OFF switch or press ON/OFF button if using optional remote.
- c) Repeat step 2.

SHUTDOWN PROCEDURE

- 1) Turn the wall mounted switch or remote to the "OFF" position.
- 2) Press "OFF" on the remote control.
- 3) Turn the gas control knob to the "OFF" position to turn off the pilot.

AERATION ADJUSTMENT

The air shutter can be adjusted by moving the adjusting wire up or down. The wire is accessed through the bottom louver opening. Open the air shutter for a blue flame or close for a yellow flame. The burner aeration is factory set but may need adjusting due to either the local gas supply or altitude.

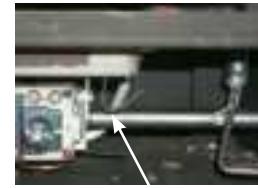
Minimum Air Shutter Opening:

3/16"	Natural Gas
Fully open	Propane

CAUTION: Carbon will be produced if air shutter is closed too much.

Note: Any damage due to carboning resulting from improperly setting the aeration controls is NOT covered under warranty.

Note: Aeration Adjustment should only be performed by an authorized FPI Installer at the time of installation or service.



Adjustment wire: Push to close or pull to open aeration cap.

**Closed - Tall yellow
Open - Short Blue**

FIRST FIRE

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time you use it with the fan on. When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

The glass panel may require cleaning after the unit has cooled down.

DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.

Do not use abrasive cleaners on the glass.

Note: When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear in a few minutes as the glass heats up.

DO NOT BURN THE APPLIANCE WITHOUT THE GLASS FRONT IN PLACE.

OPERATION

The fan operates automatically, turn the knob on the side of the faceplate to adjust to the desired speed. The fan will turn on as the stove comes up to operating temperature. After the unit has been turned off and the unit cooled to below a useful heat output range the fan will shut off automatically. This fan is required for normal operation. If the fan stops working at anytime the unit will automatically turn off after a delay of approximately 15-30 minutes.

NORMAL OPERATING SOUNDS OF GAS APPLIANCES

It is possible that you will hear some sounds from your gas appliance. This is perfectly normal due to the fact that there are various gauges and types of steel used within your appliance. Listed below are some examples. All are **normal operating sounds** and should not be considered as defects in your appliance.

Blower:

Regency® gas appliances use high tech blowers to push heated air farther into the room. It is not unusual for the fan to make a "whirring" sound when ON. This sound will increase or decrease in volume depending on the speed setting of your fan speed control.

Burner Tray:

The burner tray is positioned directly under the burner tube(s) and logs and is made of a different gauge material from the rest of the firebox and body. Therefore, the varying thicknesses of steel will expand and contract at slightly different rates which can cause "ticking" and "cracking" sounds. You should also be aware that as there are temperature changes within the unit these sounds will likely re-occur. Again, this is normal for steel fireboxes.

Blower Thermodisc:

When this thermally activated switch turns ON it will create a small "clicking" sound. This is the switch contacts closing and is normal.

Pilot Flame:

While the pilot flame is on it can make a very slight "whisper" sound.

Gas Control Valve:

As the gas control valve turns ON and OFF, a dull clicking sound may be audible, this is normal operation of a gas regulator or valve.

Unit Body/Firebox:

Different types and thicknesses of steel will expand and contract at different rates resulting in some "cracking" and "ticking" sounds will be heard throughout the cycling process.

MAINTENANCE INSTRUCTIONS

1. Always turn the gas valve to off before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year. When cleaning the logs, use a clean soft paint brush as the logs are fragile and easily damaged.
2. Clean (never when unit is hot) appliance, door and louvers with a damp cloth. Never use an abrasive cleaner. The gold louvers (and optional gold door) may be scratched if abrasives are used to clean them. The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint (not with wall paint). Regency® uses StoveBrite Paint - Metallic Black #6309.
3. Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call a qualified service person.
4. The appliance and venting system must be inspected before use, and at least annually, by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed. During the annual service call, the burners should be removed from the burner tray and cleaned. Replace the embers but do not block the pilot.
5. Keep the area near the appliance clear and free from combustible materials, gasoline and other flammable vapours and liquids.
6. Each time the appliance is lit, it may cause condensation and fog the glass. This condensation and fog is normal and will disappear in a few minutes as the glass heats up.

Never operate the appliance without the glass properly secured in place or with the door open.

7. Verify proper operation after servicing.
8. Periodically check the pilot flames, see the diagrams in the "Valve Description" section. If you have an incorrect flame pattern, contact your Regency® dealer for further instructions.

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.

CAUTION: ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING AN APPLIANCE MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

LOG REPLACEMENT

The unit should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening door to carefully remove the logs. The pilot light generates enough heat to burn someone. If for any reason a log should need replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagram under Log Installation.

NOTE: Improper positioning of logs may create carbon build-up and will alter the unit's performance which is not covered under warranty.

GLASS GASKET

If the glass gasket requires replacement use Part # 936-155 to order new gasket.

DOOR GLASS

Your Regency® fireplace is supplied with high temperature 5mm-Ceramic glass. If your glass requires cleaning, we recommend using an approved glass cleaner available at all authorized dealers. Do not use abrasive materials.

CAUTION & WARNINGS:

- * Do not clean when the glass is hot.
- * The use of substitute glass will void all product warranties.
- * Care must be taken to avoid breakage of the glass.
- * Do not strike or abuse the glass.
- * Do not operate this fireplace without the glass front or with a cracked or broken glass front.
- * Wear gloves when removing damaged or broken glass.
- * Replacement of the glass panels should be done by a licensed or qualified service person.

GLASS REPLACEMENT

In the event that you break your glass by impact, purchase your replacement from an authorized Regency dealer only. Replacement glass (Part #616-518/P) is shipped already installed into the door frame. Reinstall as per Glass Door Installation in the "Glass Door Removal" section.

VALVE REPLACEMENT

1. Shut off the gas and electrical supply.
2. Remove Faceplate Control Cover (see instructions in manual).
3. Remove Glass Door (see instructions in manual).
4. Remove Log Set and Embers or crystals and stones (if installed).
5. Remove Burner and Panels (see instructions in this manual).
6. Unplug the Orange, Green, and Ground wires on the front of the Valve.



Diagram 19.1

7. Unscrew the 8 screws holding down the Valve Tray.

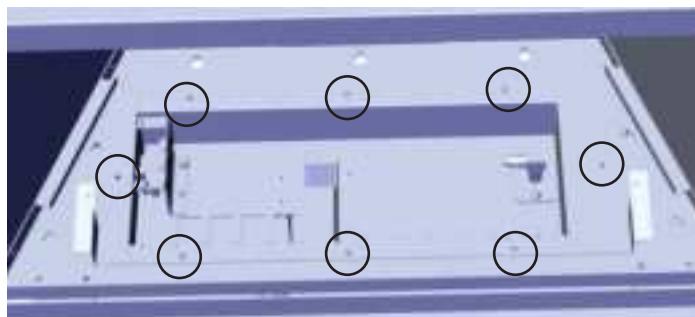


Diagram 19.2

8. Slide the Valve Tray out about half way giving easier access to the gas connection at the valve.

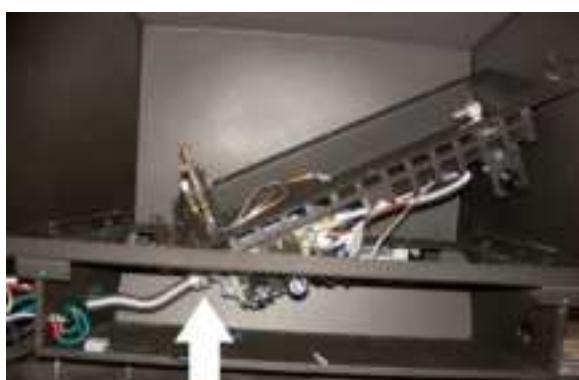


Diagram 19.3

9. Disconnect the gas line and remove the valve tray.

INSTALLING VALVE

1. Place new valve tray and gasket into position.
2. Reverse Steps 9-1.
3. Check for gas leaks.

REMOVING THE FAN

IMPORTANT
**Disconnect power supply
before servicing.**

1. Shut off the gas and electrical supply.
2. Remove Control Cover. (see instructions in manual)
3. Remove Glass Door.(see instructions in manual)
4. Remove Log Set and Embers or crystals and stones (if installed).
5. Remove Burner and Panels (see instructions in manual)
6. Remove Valve Tray - see previous page.
7. Disconnect Ground Wires and unclip Safety Circuit Wires and remove through Grommet .

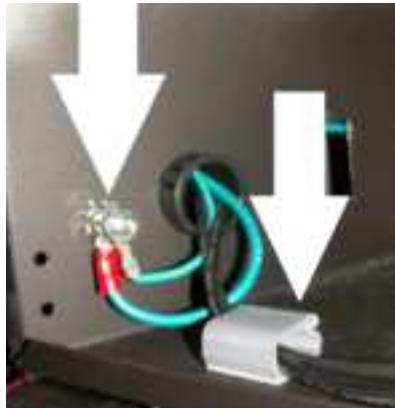


Diagram 20.1

8. Loosen 4 screws holding in Air Inlet Baffle and remove it.
9. Loosen 3 screws holding in the Circulation Fan.
10. Disconnect Power Leads on Fan Motor



Diagram 20.2

11. Reverse Steps to reinstall.

WIRING DIAGRAMS

This heater requires a 120V A.C. supply for operation of the circulation fan which is required for operation of the fireplace. In case of a power failure, the fireplace can be turned on but a thermal safety switch will cut out the appliance before it gets too hot. The unit will cycle on and off as required to stay within temperature specifications.

Caution: Ensure that the wires do not touch any hot surfaces and are away from sharp edges.

When connected with 120 volts, the appliance must be electrically grounded in accordance with local codes or, in the absence of local

codes the current CSA C22.1 (in Canada) or with the National Electrical Code ANSI/NFPA 70-1987 (in USA).

NOTE: This unit is equipped with a heat sensor thermodisc which will prevent the blower from operating until the unit reaches the correct temperature.

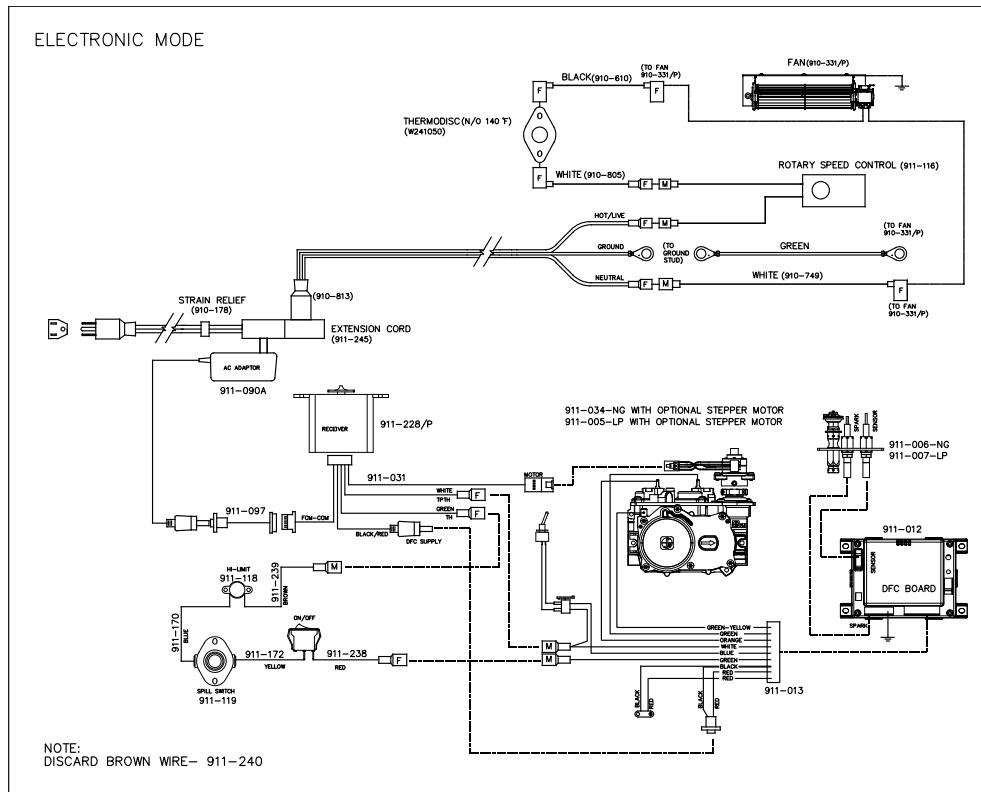


Diagram 21.1

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

WARNING: Electrical Grounding Instructions

This appliance is equipped with a three pronged (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.

WIRING DIAGRAMS

(Do not cut the ground terminal off under any circumstances.)

Fan must always operate with this unit.

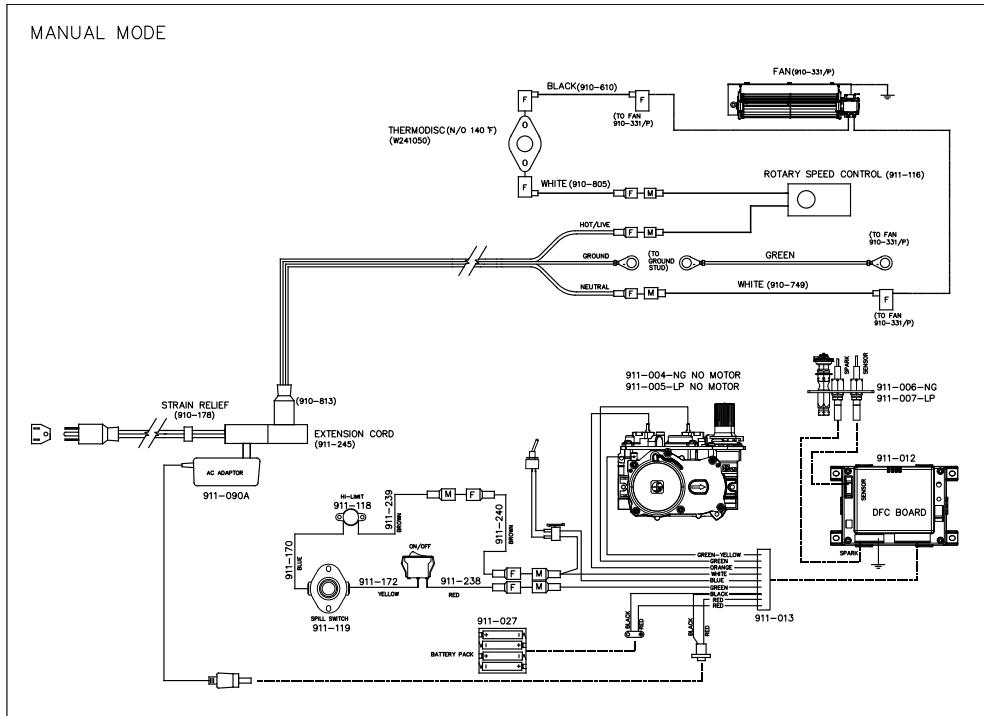


Diagram 21.2

1. Remove wire labelled 911-240 in diagram above for GTM Remote and thermostat installation.
2. Remote and thermostat must be wired in series.

GAS APPLIANCE MAINTENANCE

Recommended Annual Routine Maintenance for Gas Fireplaces, Stoves and Inserts

In order for your Regency appliance to continue to provide comfort to your home periodic maintenance must be performed to ensure it is operating at peak efficiency. The items in the list should be checked by a licensed gas service technician during the annual service check. Your unit may require more frequent maintenance checks if you notice any changes in how it operates. Operational changes to look for can include, but are not limited to, extended start up time, increased fan noise, residue/carbon build up, white build up on the glass/firebox, increased operating noise etc. Should any of these or other conditions arise, discontinue use and schedule a service check with your local licensed gas technician. The list below shows items your licensed service technician will need to check and service at least annually.

Clean

- Glass
- Interior bricks / panels
- Burner ports & burner air shutter
- Fan blades
- Log set
- Pilot orifices
- Pilot hood (change as needed)
- Flame sensor (electronic ignition models)
- Flame electrode
- Burner orifice
- Thermocouple (millivolt models)
- Thermopile (millivolt models)

Inspect

- Pilot assembly
- Burner
- Pressure relief gaskets/doors
- Flue connector gasket if present
- Door seal
- Firebox
- Venting
- Batteries (remote handheld, remote receiver, DC sparker, change as needed)
- Burner media (change as needed)
- Air shutter setting
- Wiring

Check

- Voltage on thermocouple/thermopile (millivolt models)
- Ohms reading on flame sense (electronic ignition models)
- Inlet/outlet fuel pressures as per rating plate
- Voltage/ohms readings on gas valve
- Ohms reading to on/off switch circuit (Millivolt models)

Gas Leak Tests

- Check main gas line connection to valve
- Check shut off valve connections
- Check connection at gas valve outlet
- Check connection at main burner orifice
- Check pilot fuel line at valve and at pilot assembly

80 | parts list
MAIN ASSEMBLY

1	617-574/P	Valve Assembly - NG
1	617-576/P	Valve Assembly - LP
3	911-004	Valve Only - NG 886 SIT IPI High/Low 0.886.002
3	911-005	Valve Only - LP 886 SIT IPI High/Low 0.886.003
5	911-006	Pilot Assembly IPI NG 2 Flame 0.199.050
5	911-007	Pilot Assembly IPI LP 2 Flame
6	910-100	Pilot Orifice NG #62 977.166
6	910-101	Pilot Orifice LP #35 977.168
9	904-943	Bracket Dormont Orifice Mount 10-BZ001-19.5
10	904-974	Burner Orifice #44 NG (PO512)
10	904-977	Burner Orifice #55 LP (PO512)
11	911-038	Spark Electrode Cable Black End 0.915.020
12	911-037	Sense Electrode & Cable Red End 0.915.905
13	911-039	Pilot Hood 2 Flame Sit SureFire0.975.005
14	911-008	Novasit Regulator NG For 886 SIT 907.014
14	911-009	Novasit Regulator LP For 886 SIT 907.014
15	911-012	Ignition Board (DFC) SIT IPI 0.584.302
17	911-118	High Limit Switch 36T21 22583
18	911-119	Spill Switch 60T11 610021
19	W241050	Fan Thermodisc 60T12-610049
20	616-517/P	Fan Assembly Complete
21	910-331/P	Blower Motor only - Includes Squirrel Cage
22	616-518/P	Flush Door Glass Assembly Complete
23	616-529	Safety Screen
24	617-006	Spill Switch Bracket
25	616-515	Log Tray Assembly
N/S	904-978	Inlet Flex Line Gas SS Steel 18" Black
N/S	904-165	Fitting 3/8 Male Flarex Mpt Strt Adaptor
N/S	904-599	Fitting Elbow 90 Degree
N/S	911-138	Thermostat Digital Non-Programmable
N/S	910-246	Switch 2 Way Gold Contact
N/S	616-525	Burner Assembly NG/LP
N/S	910-432	Pilot Tube 1/8 x 24 w/ Steel Fittings
N/S	904-529	Allen Key 5/32 Long
N/S	911-013	Wire Harness Inc. Grn IP/CP Swth 584.912
N/S	910-610	Black Wire FanTerminal Block To Switch
N/S	910-749	White Wire Fan
N/S	910-805	White Wire Thermodisc To Swtich
N/S	911-116	Speed Control Fan w/ Connectors E18
N/S	911-170	Blue Wire To Spill Switch to High Limit
N/S	911-172	Yellow Wire Thermodisc To Switch
N/S	911-245	Extension Cord
N/S	911-238	Red Wire Switch To Harness
N/S	911-239	Brown Wire Coupling to High Limit
N/S	911-240	Brown Wire Coupling
N/S	910-592	Hand Held Remote Control GTMF SIT 0.584.023
N/S	911-031	Wire Harness FCM Pwr 750mm LgCom 584.905

N/S	911-228/P	Remote Receiver With Antenna Connect 0.584.525
N/S	911-210	External Antenna
N/S	918-835	Decal Logo Regency / Flame Sit Remote
N/S	918-875	Decal Remote Quick Reference GTM
N/S	904-569	Knob Fan Speed Control
N/S	910-813	Power Cord 120 Volts
N/S	904-836	Glass Nut Retainer 1/4-20 J Type Zinc Plt
N/S	904-839	Glass Screw 1/4-20 x 1 inch Pan Hd Phil Blk
N/S	616-004	Firebox Baffle
N/S	616-051	Valve Control Cover
N/S	616-057	Brick Panel Support Bracket (Each)
N/S	616-071	Fan/On Off Switch Bracket
N/S	616-072	Burner Cover Plate
N/S	616-523	Flue Collar Assembly
N/S	616-078	Enamel Clip (Each)
N/S	617-507	Manual Package Complete
N/S	919-788	Instruction Manual
Optional Accessories		
	946-710	Volcanic Stones -Slate/Grey Basalt Natural 15 pound box
	946-711	Volcanic Stones - Ivory/Tan Basalt Natural 15 pound box
	946-674	Ceramic Spa Stones
	616-901	Brick Panel Standard Brown
	616-902	Brick Panel Standard Red
	616-908	Inner Panel Black Enamel
	616-910	Flue Adaptor (FS220N,EP28F,EP28-4/5/C)
	616-911	Flue Adaptor (36SR)
	616-920	Faceplate Low Profile. (FS220N)
	616-921	Faceplate Low Profile (EP28F/28F-2/28F-3)
	616-924	Faceplate Low Profile(EP28-4/5/C)
	616-926	Faceplate Low Profile (36SR)
	616-928	Faceplate Low Profile (FS120)
	616-931/P	Log Set E18 Driftwood Packaged
	616-935	Log Set & Tray Pkgd E18
	616-940	Faceplate Custom Low Profile. (FS220N)
	946-775	Fireglass Black Reflective 1/4in.5Lb
	946-776	Fireglass Copper 1/4 in. 5Lb
	946-777	Fireglass Starfire 1/4 in. 5Lb
	617-950	Remote-Proflame GTM
	617-969	Conversion Kit - LP
	617-948	Faceplate Low Profile (ZC Installation) Mt. Blk E18E

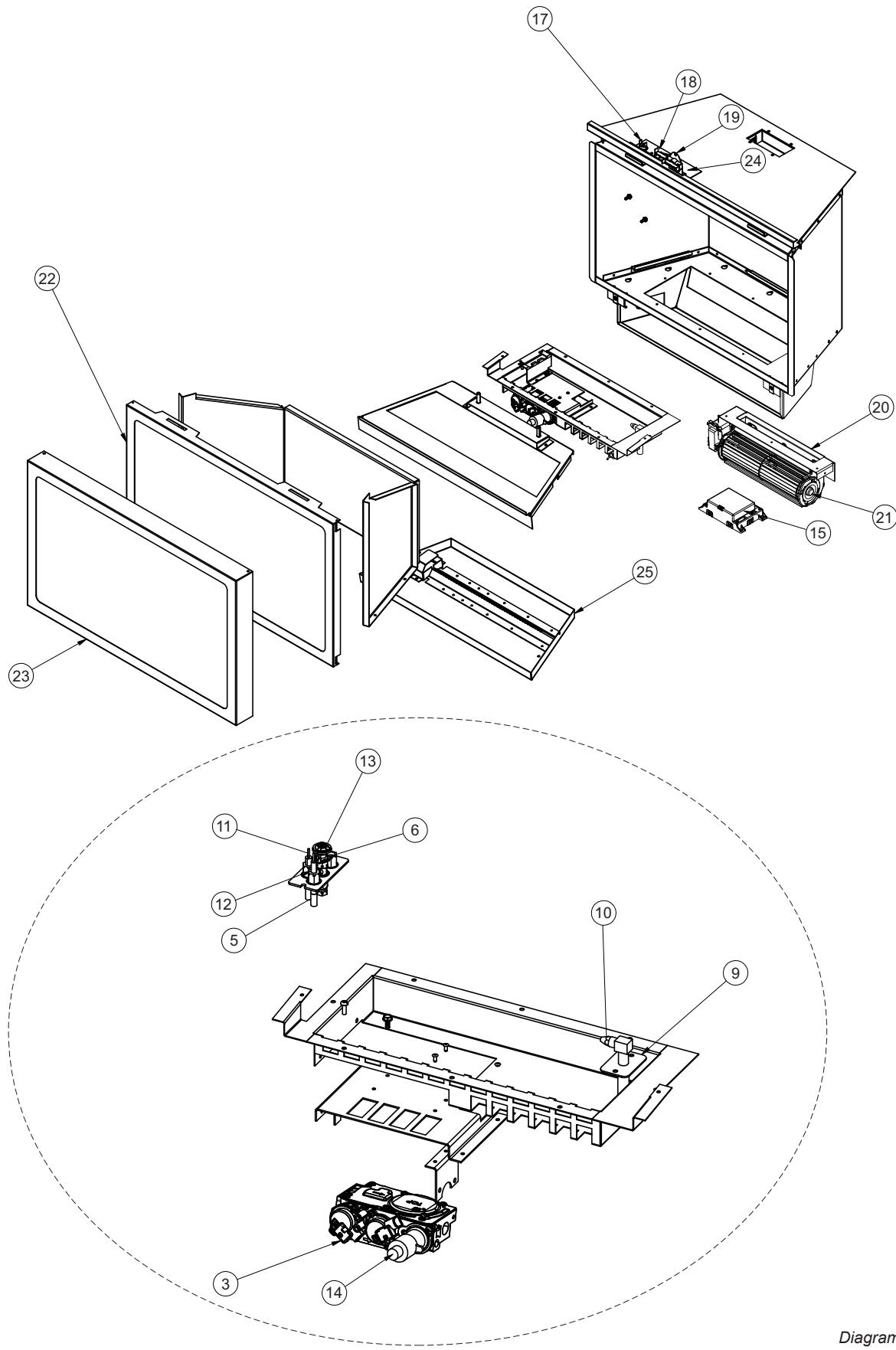


Diagram 22.1

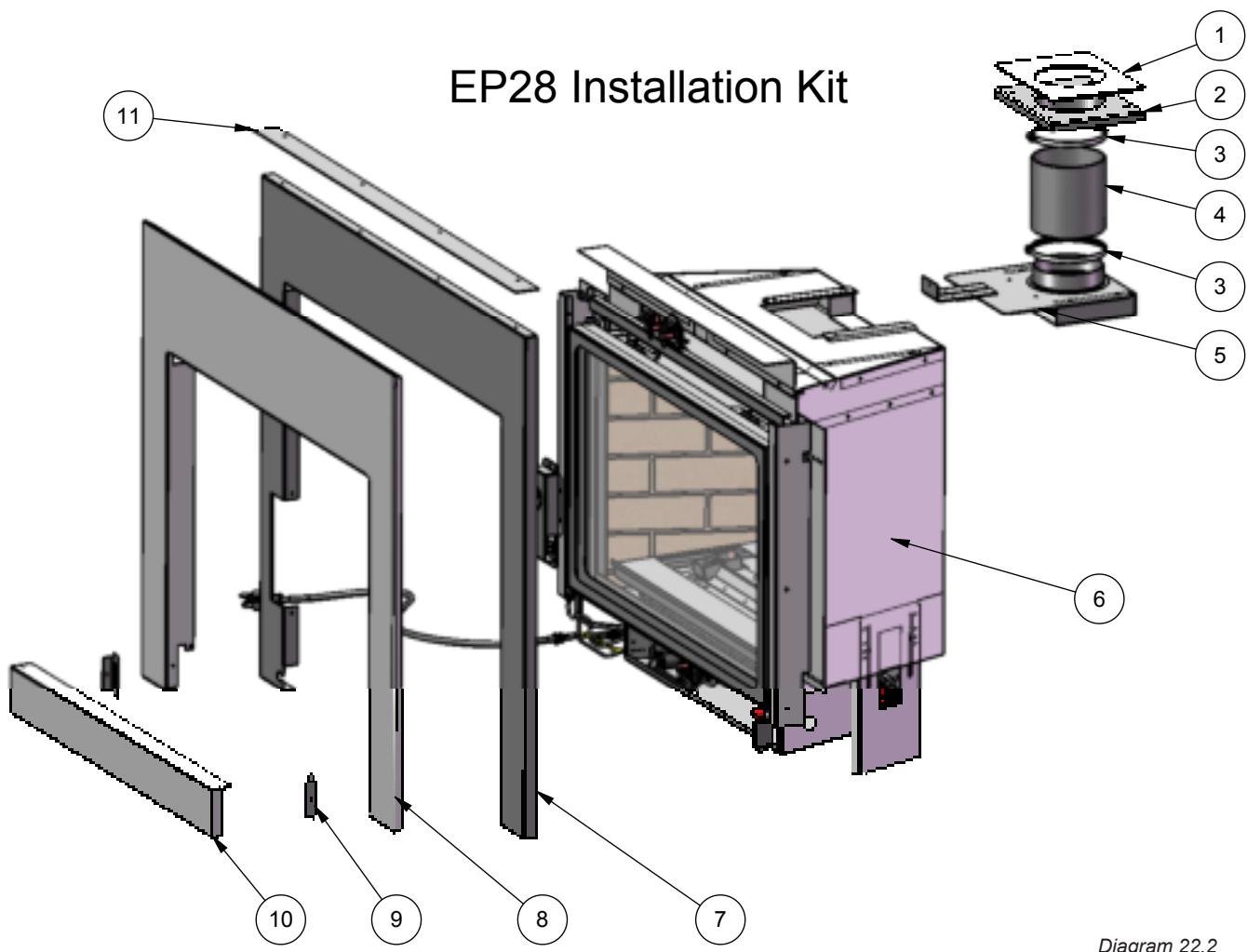


Diagram 22.2

	Part #	Description		Part #	Description
1	616-070	Adaptor plate gasket	6		E18E Body
2	616-069	Adaptor plate	7	616-068	Surround Panel Rear
3	904-960	Ring clamp -Installer supplied	8	616-067	Surround Front
4	948-338	Flex Vent Section - Installer supplied	9		Magnet and Bracket
5	616-023	Flue Slider Plate	10	616-051	Control Cover
			11		Upper Trim/ heat shield

Montigo Econo Plus 28C Installation Kit

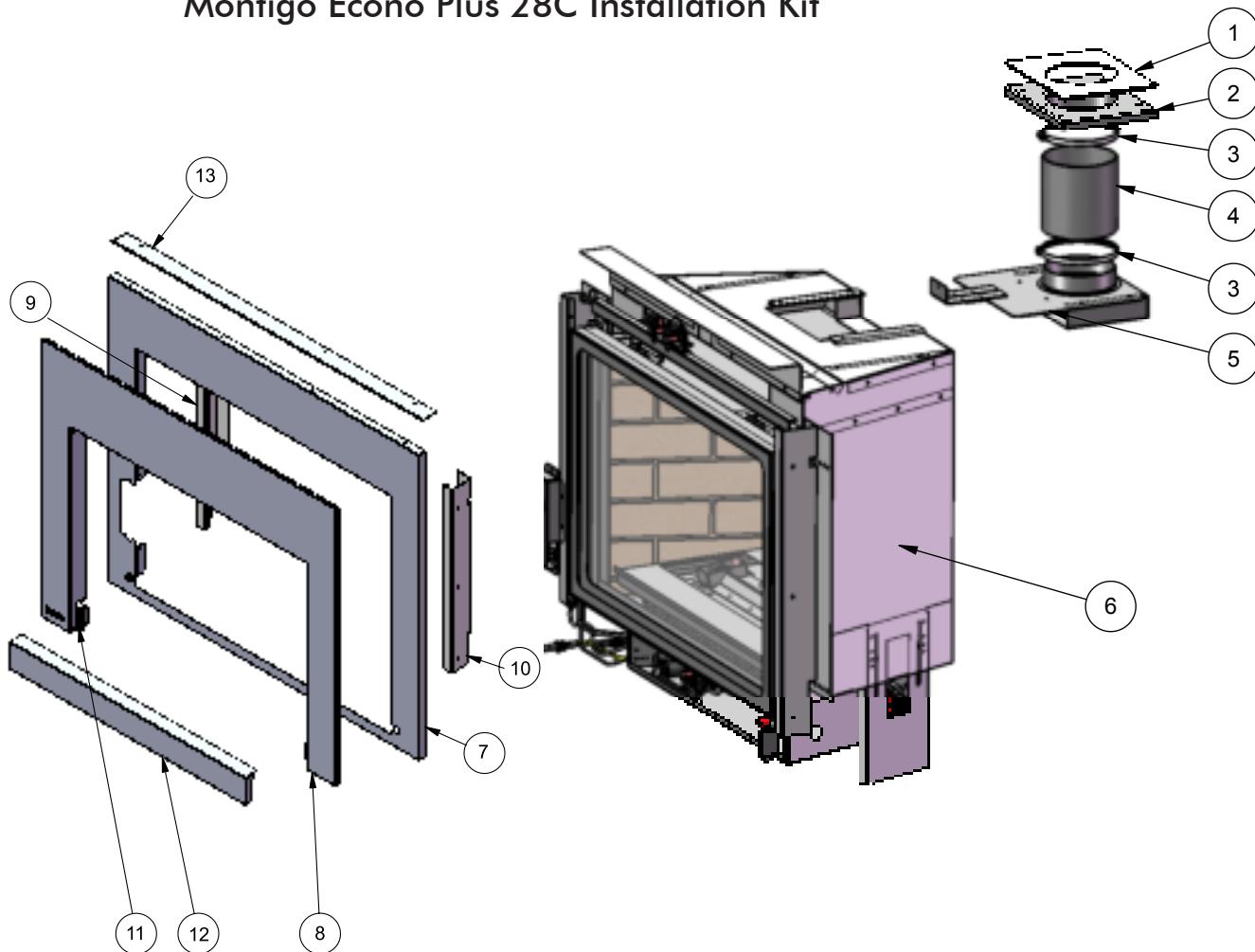


Diagram 22.3

	Part #	Description		Part #	Description
1	616-070	Adaptor plate gasket	6		E18E Body
2	616-069	Adaptor plate	7	616-049	Surround Panel Rear
3			8	616-050	Surround Front
			9	616-048	Faceplate Hanger Left
			10	616-048	Faceplate Hanger Right
4	904-960	Ring clamp -Installer supplied	11	904-057	Magnet and Bracket
5	948-338	Flex Vent Section - Installer supplied	12	616-051	Control Cover
	616-023	Flue Slider Plate	13	616-053	Upper Trim/ heat shield - remove and discard

Montigo 28-F & 28F-2 Installation Kit

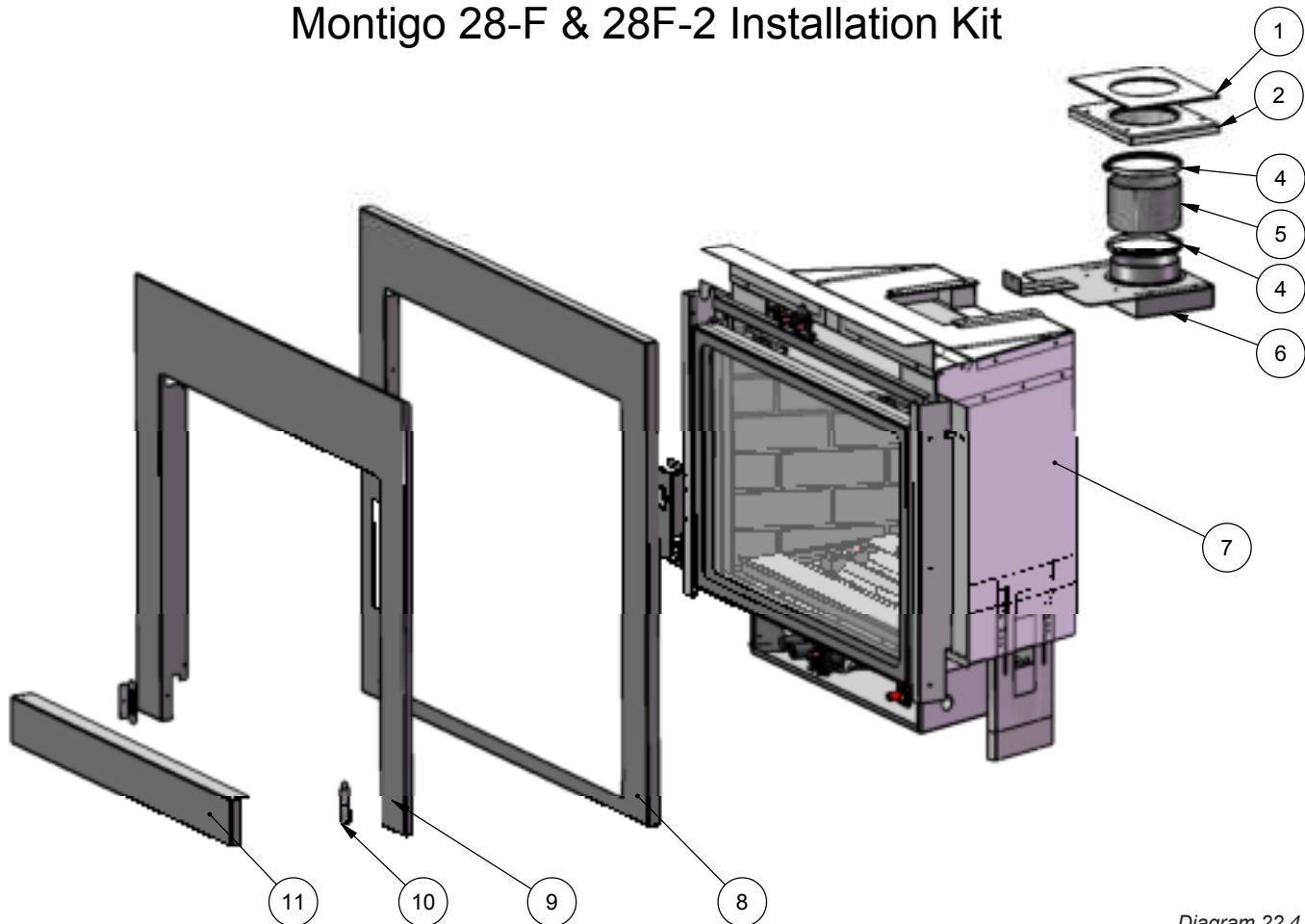


Diagram 22.4

	Part #	Description		Part #	Description
1	616-070	Adaptor plate gasket	7		E18E Body
2	616-069	Adaptor plate	8	616-068	Surround Panel Rear
3			9	616-067	Surround Panel Right
4	904-960	Ring clamp -Installer supplied	10		Magnet and Bracket
5	948-338	Flex Vent Section - Installer supplied	11	616-051	Control Cover
6	616-023	Flue Slider Plate	12		

Montigo 28-F3 Installation Kit

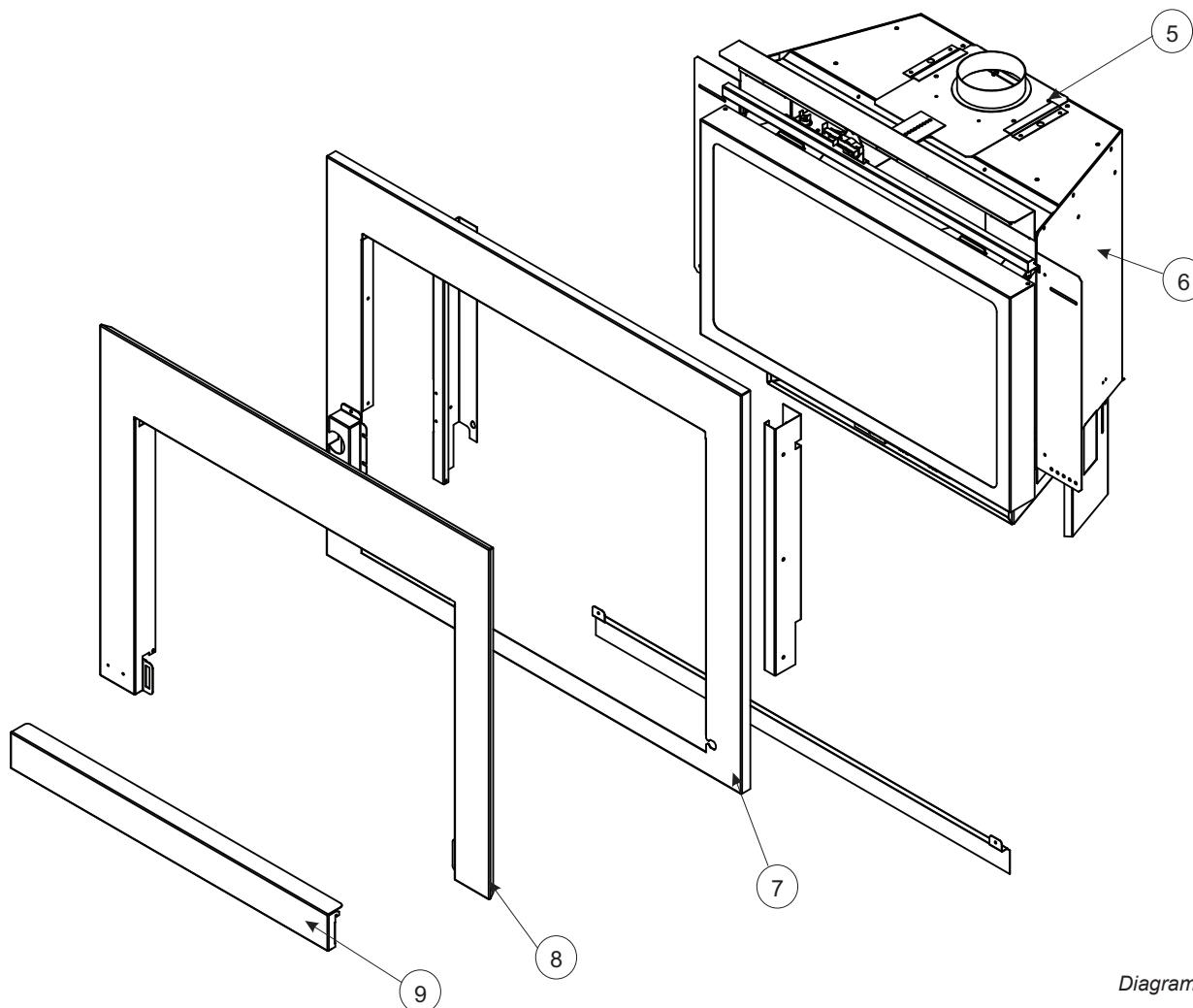


Diagram 22.5

Item	Part #	Description	Item	Part #	Description
			8		Faceplate panel Front
3		Ring Clamp	9		Magnet Bracket (not shown)
4		Flex section	10		Control Cover
5		Adaptor Slide Plate			
6		E18E Chassis			
7		Faceplate panel Rear			

Montigo 36SR Installation Kit
(Requires 4" liner)

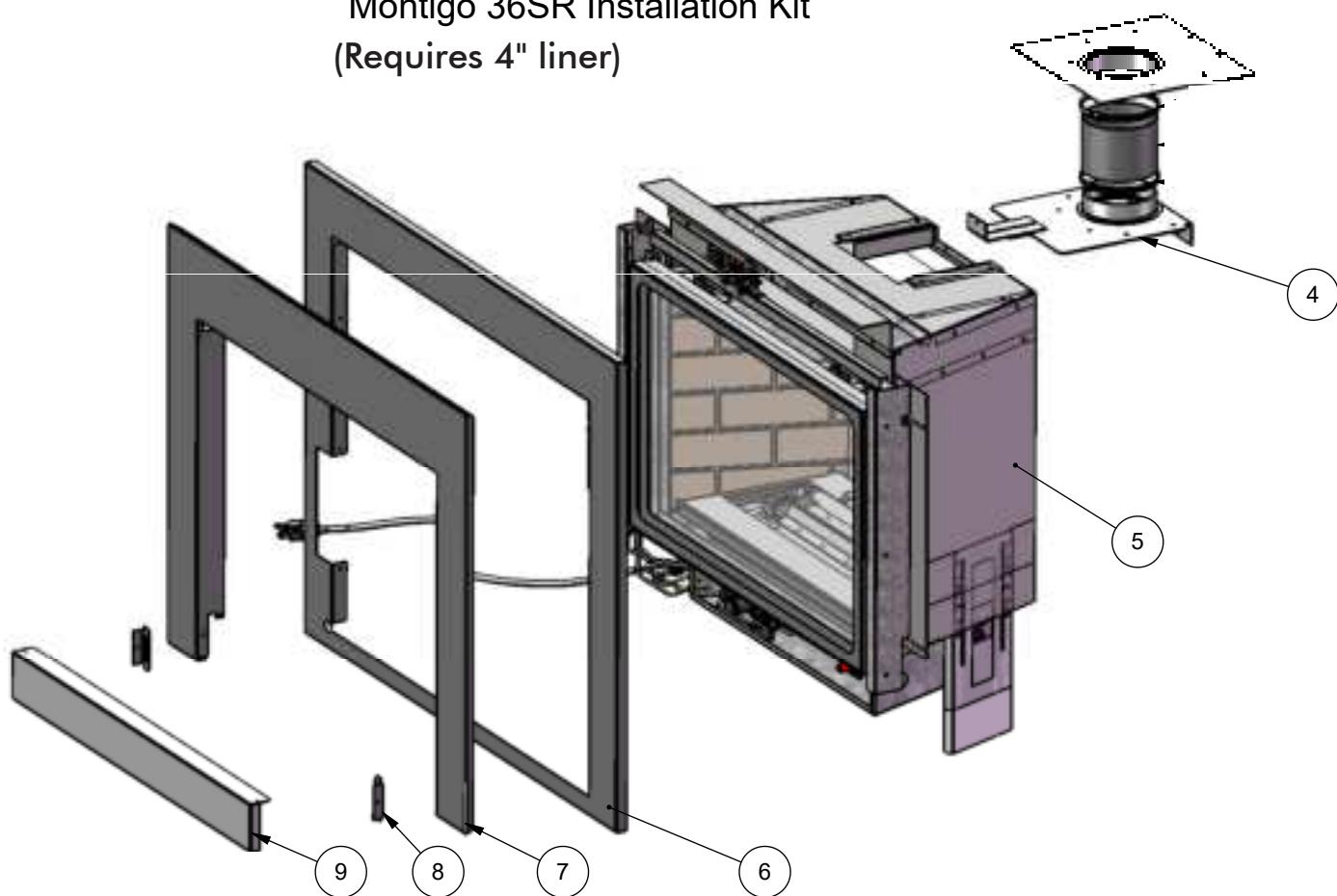
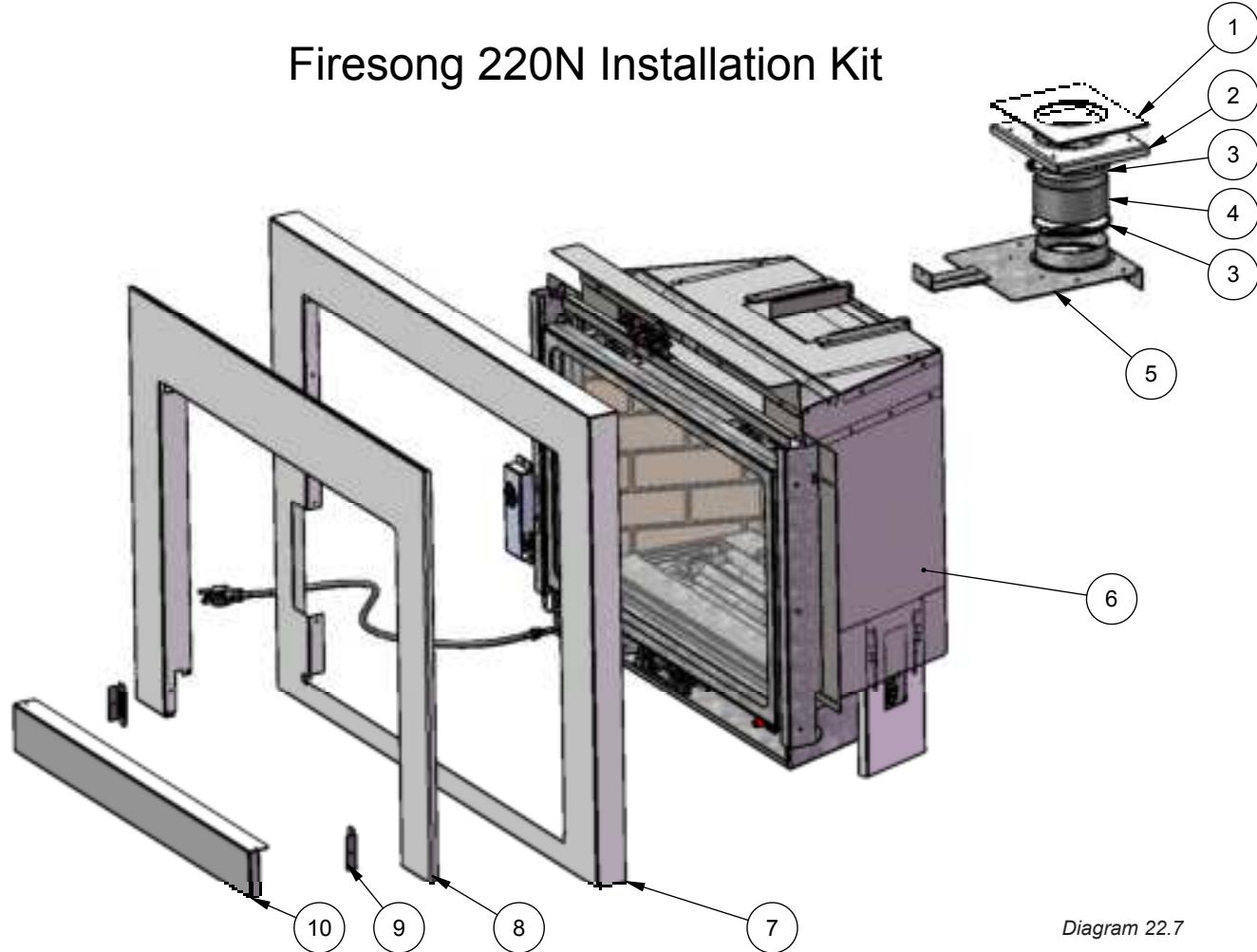


Diagram 22.6

Item	Part #	Description	Item	Part #	Description
			7		Surround panel Front
			8		Magnet Bracket (not shown)
			9		Control Cover
4		Adaptor Slide Plate			
5		E18E Chassis			
6		Surround Panel Rear			



Item	Part #	Description	Item	Part #	Description
1		Adaptor Plate Gasket	7		Surround Panel Rear
2		Adaptor Plate	8		Surround Panel Front
3		Ring Clamp <small>installer supplied</small>	9		Magnet / bracket
4		Flex Section <small>installer support</small>	10		Control Cover
5		Adaptor Slide Plate	11		
6		I 18 Chassis	12		

Firesong 120N Installation Kit

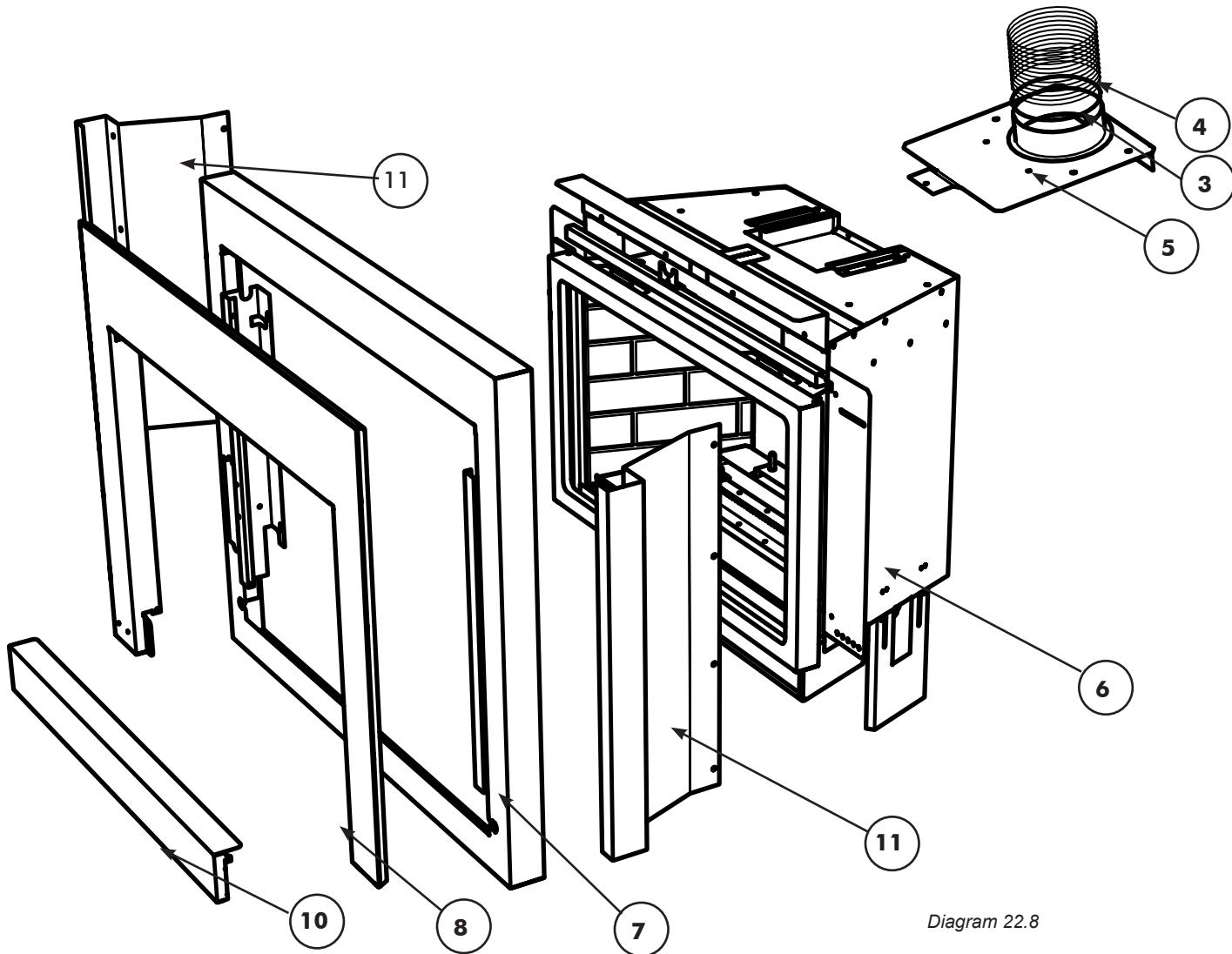


Diagram 22.8

Item	Part #	Description	Item	Part #	Description
			8		Faceplate panel Front
3		Ring Clamp	9		Magnet Bracket (not shown)
4		Flex section	10		Control Cover
5		Adaptor Slide Plate	11		Firesong 120N Firebox supports
6		E18E Chassis			
7		Faceplate Panel Rear			

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 **20 years** beginning the date when the Appliance was purchased. The "Limited Lifetime" warranty coverage period (**20 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 Gas Fireplace, Indoor Gas Insert, Indoor Gas Freestanding Stove. **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 Gas Products	Limited Lifetime	5 years	2 years	1 year	Supplier Warranty	Subsidized Labor Coverage (Years)
Warranty Coverage Parts and Labor						
*Firebox and Heat Exchanger	✓					3
*Steel Burner Tube	✓					3
*Glass Thermal breakage only	✓					3
All Surrounds/Inlays Finishes		✓				3
Brick Panels/Log sets/Ceramic Burners		✓				3
All Castings		✓				3
Valve assembly and all gas control components (Pilot assembly, flame sensors, Spark Electrode, Pilot Tubing, Orifices, Thermocouple, Thermopile)			✓			2
All Other Electrical components (Ignition Control Boards, Wiring, Switches, Blowers, Blower Control Module, Battery Pack, Remote Control Systems)			✓			2
Enamel Panels			✓			1
Venting/Venting Components			✓			1
All Stainless steel surrounds				✓		1
All Firebox Media (Crystals, Fire beads, Volcanic, Ceramic & Spa Stones)				✓		1
All hardware				✓		1
Mesh/Glass Safety Barriers				✓		1
Accent Light Bulbs				✓		1
Glass (Crazing)				✓		1

Conditions:

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

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 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.

Appliances 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.

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, 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.

As this is a **20-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.**

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.), door or glass gasketing.

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, 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).

warranty

This warranty does not cover dealer travel costs 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 the 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

U.S. Warrantor:

Fireplace Products US, 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)

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.



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):

Warranty Details	
Serial Number (required):	
Purchase Date (required) (mm/dd/yyyy):	
Product Details	
Product Model (required):	
Dealer Details	
Dealer Name (required):	
Dealer Address:	
Dealer Phone #:	
Installer:	
Date Installed (mm/dd/yyyy):	
Your Contact Details (required)	
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
1- 3 Conquest Way
Hallam, VIC
Australia, 3803

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.

Installer: Please complete the following information

Dealer Name & Address: _____

Installer: _____

Phone #: _____

Date Installed: _____

Serial No.: _____