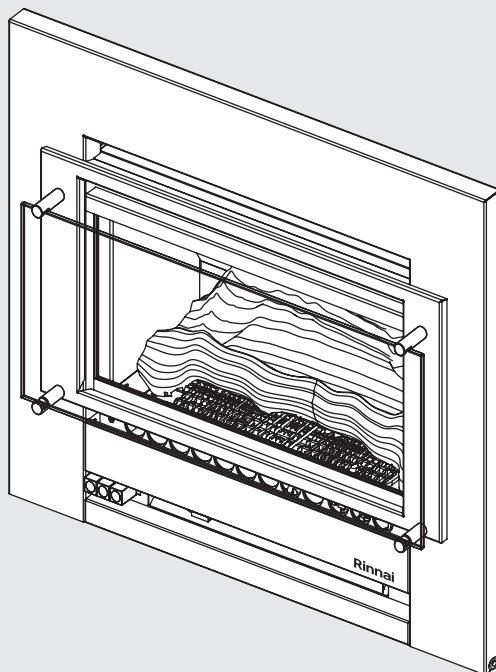


Models:

Slimfire 252 (RIBF25)



Gas Fireplace

Operation & Installation Manual

Rinnai

Congratulations on the purchase of your Rinnai Slimfire 252 Series Gas Fireplace. We trust you will have many years of comfort and enjoyment from your appliance.



BEFORE USING THIS APPLIANCE

Before proceeding with the operation or installation read this manual thoroughly and gain a full understanding of the appliance, to ensure safe and correct use.

This appliance must be installed in accordance with:

- Manufacturer's Installation Instructions
- Current AS/NZS 3000, AS/NZS 3500 & AS/NZS 5601
- Local Regulations and Municipal Building Codes including local OH&S requirements

This appliance must be installed, maintained and removed **ONLY** by an Authorised Person.

For continued safety of this appliance it must be installed and maintained in accordance with the manufacturer's instructions.



**The Australian
Gas Association**
All Rinnai gas products
are A.G.A. certified.

Slimfire 252

RIBF25N

RIBF25L

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WARNINGS & IMPORTANT INFORMATION



BEFORE USING THIS APPLIANCE

Before proceeding with the operation or installation read this manual thoroughly and gain a full understanding of the appliance, to ensure safe and correct use.

Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in personal injury or death.

WARNINGS: Indicates a potentially hazardous situation which, if not avoided, could result in personal injury or death.

CAUTIONS: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury or damage to the appliance. It may also be used to alert against unsafe practices.



REGULATORY INFORMATION

This appliance shall be installed in accordance with:

Manufacturer's Installation Instructions.

Current AS/NZS 3000, AS/NZS 3500 & AS/NZS 5601.

Local Regulations and Municipal Building Codes including local OH&S requirements.

This appliance has been certified by the Australian Gas Association. The A.G.A. Certification Number is shown on the data plate.

This appliance **MUST** be installed, maintained and removed **ONLY** by an Authorised Person.

For continued safety of this appliance it **MUST** be installed and maintained in accordance with the manufacturers instructions.

NOTICE TO VICTORIAN CONSUMERS

This appliance **MUST** be installed by a person licensed with the Victorian Building Authority. **ONLY** a licensed person will have insurance protecting their workmanship.

So make sure you use a licensed person to install this appliance and ask for your Compliance Certificate. For further information contact the Victorian Building Authority on 1300 815 127.



DRESS GUARD WARNINGS

The guard is fitted to this appliance to reduce the risk of fire or injury from burns and no part of it should be permanently removed. For protection of young children or the infirm, a secondary guard is required.

The glass dress guard supplied with this appliance **MUST NOT** be permanently removed as it fulfils an operational safety function. Additional dress guards including free standing types may be used in conjunction with, but **NOT** replace, the dress guard supplied with this appliance.



MANDATORY INSPECTION PRIOR TO INSTALLATION

Immediately report any damage or discrepancies to the Supplier of the appliance. This appliance was inspected and tested at the time of manufacture and packaging, and released for transportation without known damage. Upon receipt, inspect the exterior for evidence of rough handling in shipment. Ensure that the appliance is labelled correctly for the gas and electrical supply, and/or other services it is intended to be connected to.

For safety and warranty purposes, appliances that may be damaged or incorrect must not be installed or operated under any circumstances. Installation of damaged or incorrect appliances may contravene local government regulations. Rinnai disclaims any liability or responsibility whatsoever in relation to the installation or operation of damaged or incorrect appliances.

Take care when opening or unpacking this appliance. Failure to do so may result in serious injury or product failure.

Check the label for the correct gas type (refer rating plate, inside the appliance). Refer to local gas authority for confirmation of the gas type if you are in doubt.



MODIFICATIONS.

DO NOT MODIFY THIS APPLIANCE, modifying from original specifications may create a dangerous situation and will void your warranty. Failure to comply with these instructions could result in a fire or explosion, which could cause serious injury, death or property damage.

DO NOT modify the electrical wiring of this appliance.

If the power cord is damaged or deteriorated then it **MUST** be replaced by an authorised person. Failure to do so may result in electric shock, fire, serious injury or product failure.

Improper installation, adjustments, service or maintenance can cause serious injury, death or property damage. Such work **MUST ONLY** be performed by an authorised person.



GENERAL SAFETY WARNINGS

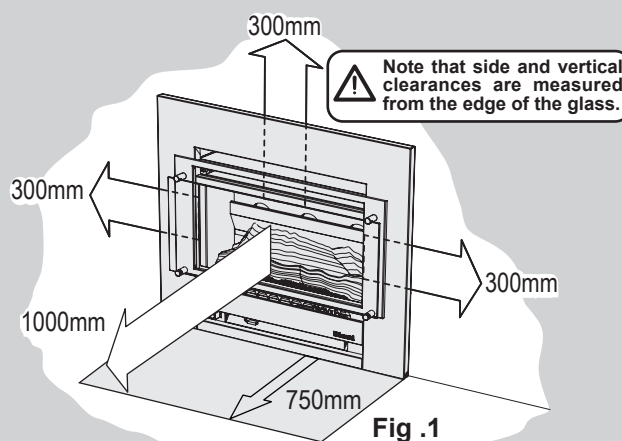
This appliance is **HEAVY**, during installation the use of a mechanical lifting aid is recommended, noting that improper lifting may result in serious injury.

WARNING: This heater **MUST NOT** be used if any of the glass panels are damaged.

Flue terminal **MUST** always vent directly to outdoors. **DO NOT** extend the flue vertically or horizontally in ways other than prescribed in this appliance manufacturer's installation instructions. **ONLY** the flue components specified by Rinnai must be used.

When considering installation ensure minimum clearances as follows are adhered to, refer Fig. 1.

Heat radiating from the front of this heater may over time affect the appearance of some materials used for flooring such as carpet, vinyl, cork or timber. This effect may be amplified if the air in the room contains cooking vapours, candle vapours and cigarette smoke, etc. To avoid this possibility, it is recommended that a mat or similar protective sheet be placed in front of the appliance, extending at least 750 mm in front of the dress guard. Refer to the installation manual for mantle clearances, additional installation information and warnings.



This appliance **MUST NOT** be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining.

This appliance is **NOT** intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

The appliance is **NOT** intended for use by young children or infirm persons without supervision. Young children and the infirm **SHOULD** be supervised at all times when in the vicinity of this heater while it is in operation.

The heater **MUST NOT** be located immediately below a power socket outlet.

A dedicated 230 V earthed 10 Amp power point must be used with this appliance.

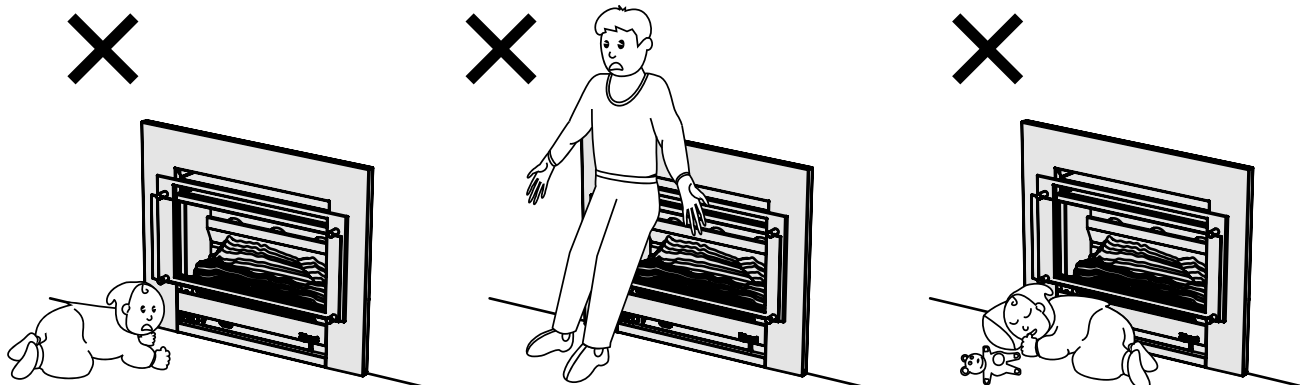
Suitable **ONLY** for indoor installation.

DO NOT operate this appliance before leak checking hoses and gas cylinder connection.

NOT to be connected to an LP gas cylinder located indoors.

Please keep this instruction booklet in a safe place for future reference. All dimensions referred to in these instructions are in millimetres, unless otherwise specified.

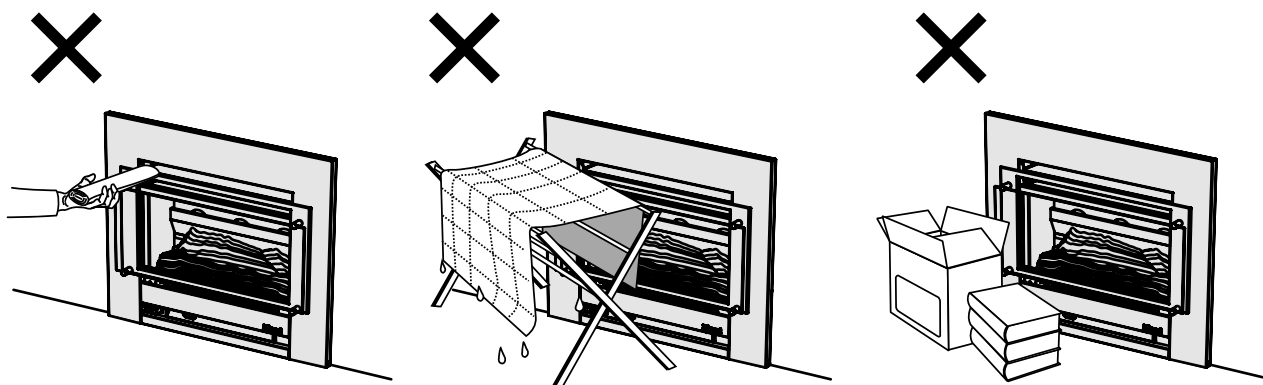
OPERATIONAL SAFETY WARNINGS



The appliance is not intended for use by young children or infirm persons without supervision. Young children should always be supervised to ensure that they **DO NOT** play with the appliance.

DO NOT sit or lean against the heater.

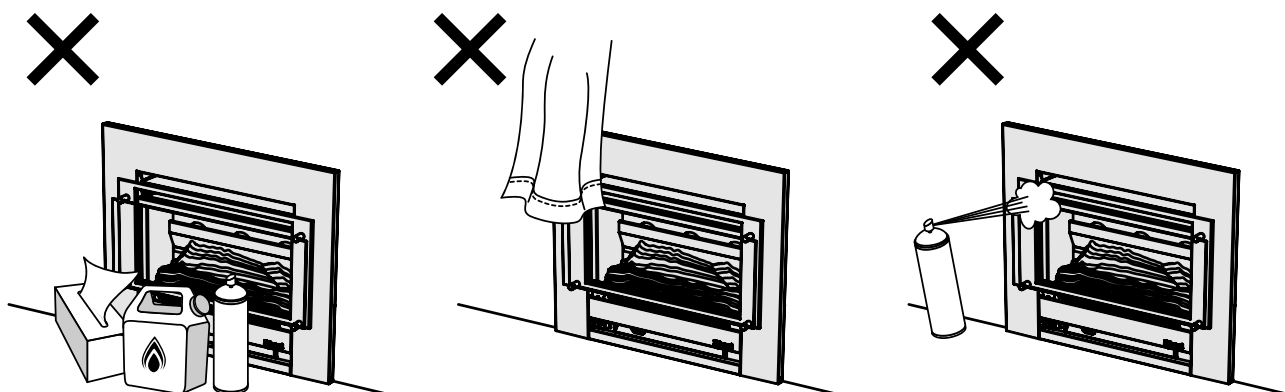
DO NOT allow children or elderly persons to sleep in the warm air discharge from the heater.



DO NOT post or allow children to post articles into the louvres of the heater.

DO NOT cover or place articles on this heater.

DO NOT place articles in front of the louvres.



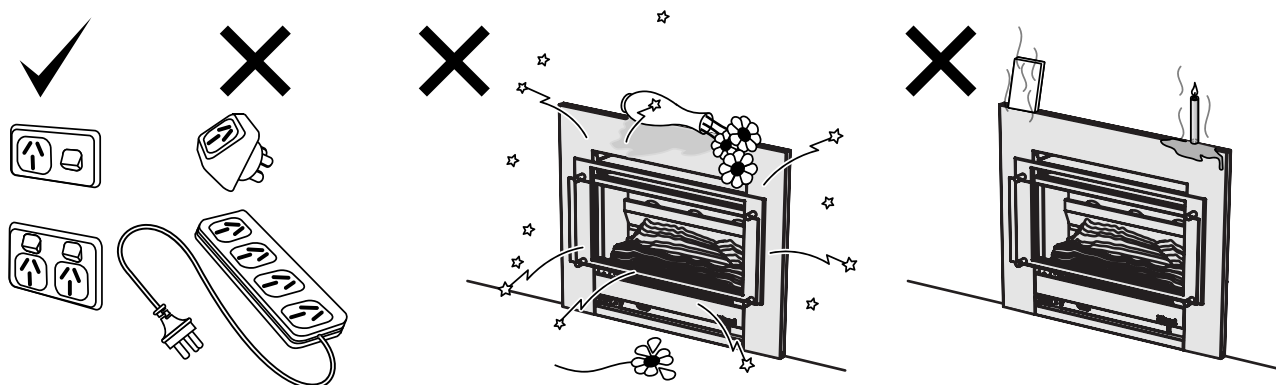
DO NOT operate / install this heater in areas where painting is taking place, or in places such as hairdressing salons, where there may be fluff and dust, and where aerosols are used.

DO NOT place articles on or against this appliance.

DO NOT use or store flammable materials near this appliance. Keep flammable materials away from heater.

Combustible materials **MUST NOT** be placed where the heater could ignite them.

DO NOT spray aerosols in the vicinity of this appliance while it is in operation. Most aerosols contain flammable substances which can be a heater hazard if used near this heater when it is in use.



A dedicated 240V earthed 10 Amp power point **MUST BE USED** with this appliance.

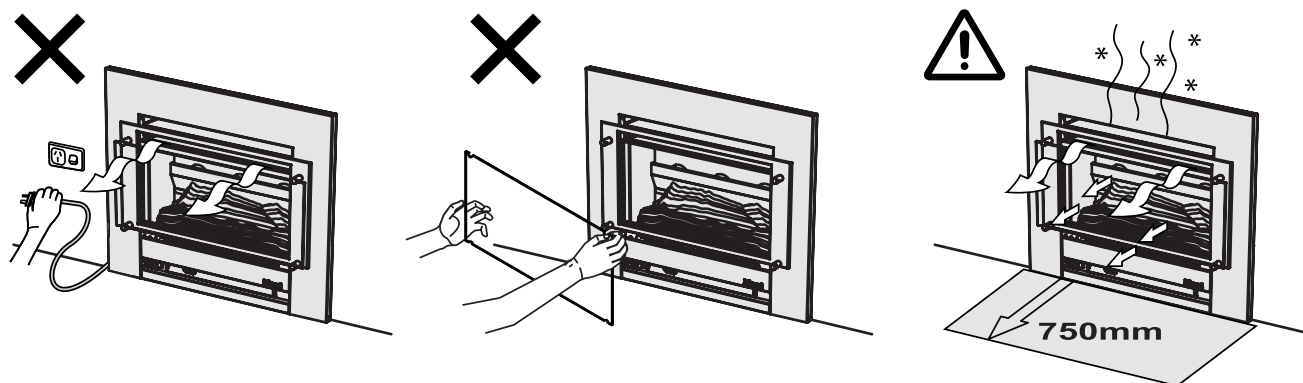
DO NOT use power boards or double adaptors to operate this appliance. The heater **MUST NOT** be located below a power socket-outlet.

DO NOT unplug the heater while it is in operation or while the fan is still cycling.

DO NOT place containers of liquid on top of the heater. Water spillage can cause extensive damage to the appliance and create an electrocution hazard.

DO NOT place articles on or against this appliance.

DO NOT connect to an LPG gas cylinder indoors.



Turn the heater 'OFF' after use.

DO NOT remove the Glass Dress Guard. The dress guard is fitted to this appliance to reduce the risk of fire or injury from burns and no part of it should be permanently removed. For protection of children or the infirm, a secondary guard is recommended.

Heat emanating from the front of the appliance may over time affect the appearance of some materials used for flooring such as carpet, vinyl, cork or timber. This affect may be amplified if the air in the room contains cooking vapours or cigarette smoke. To avoid this possibility, it is recommended that a mat be placed in front of the appliance, extending at least 750 mm in front of the heater.

When the heater is operated for the first time or after long periods of non use a slight odour may be emitted, this is normal. However if odours persist switch 'OFF' the appliance and contact Rinnai.

SAFETY DEVICES

Over Heat Switches: When the heater gets too hot during operation (for example when air outlet louvres are blocked, or during a power outage) these devices turn the gas off automatically and allow the heater to restart when cooled down.

Electrical Fuse: The electrical circuits are protected by a fuse.

Flame Failure Sensing System: Automatically cuts off the gas supply to the heater in the event of a flame failure.

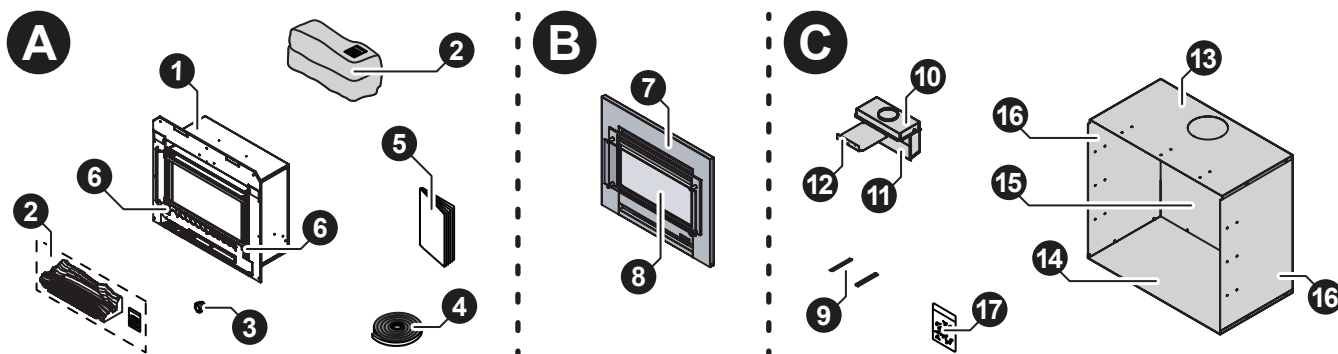
Power Failure: In the event of a power failure while the heater is in operation the fan will stop, however the gas valves remain open and continue to heat the appliance. The overheat protection may then shut off the gas to protect the heater, however switching the heater to its lowest setting may allow the heater to continue operating without reaching an overheat condition.

CARTON CONTENTS / ITEM CHECKLIST

The components for Slimfire 252 heater are supplied in separate cartons, the following tables list which components are in each carton. Ensure that the components listed for the installation method being installed are present before proceeding with the installation.



The Engine and Fascia are packed into two separate cartons and are required for all installation types. Masonry installations may require a flexiliner flue to be installed, refer to “MASONRY FLUE INSTALLATION” on page 21 for details. The Zero Clearance Kit and flue are purchased separately.



COMPONENTS DESCRIPTION		CARTON CONTENTS		
		(A) Engine	(B) Fascia	(C) Zero Clearance Kit
(1)	Rinnai Slimfire 252 Engine.	●		
(2)	Artificial log set / burn media, Satchel burner granules (packed on top of the engine).	●		
(3)	½" BSP Flared nut (x1 shipped inside engine, attached to gas connection).	●		
(4)	Adhesive backed foam sealing strip.	●		
(5)	Operation and Installation manual.	●		
(6)	Fascia Mounting Screws (x2 pre-installed in the engine fascia mounting brackets).	●		
(7)	Fascia.		●	
(8)	Glass dress guard.		●	
(9)	Transition box rails (x2).			●
(10)	Transition box upper.			●
(11)	Transition box lower.			●
(12)	Transition box guide plate.			●
(13)	Zero Clearance Box - Top panel.			●
(14)	Zero Clearance Box - Base panel.			●
(15)	Zero Clearance Box - Rear panel.			●
(16)	Zero Clearance Box - Left & Right side panels.			●
(17)	Packet assembly screws, rivets and grommet.			●

GENERAL DESCRIPTION

Your Slimfire is a burning log effect, gas space heating appliance with natural draft combustion system, intended for use with Natural Gas and Propane. The burning log effect is achieved using two main burners with strategically placed, 'life like', imitation logs and granules. Temperature control is achieved through manual push button control. This heater has an electronic ignition. The pilot is only on when the heater is in operation.

Burner, logs and granules are contained in a glass fronted, sealed burner box.

Combustion air is drawn from the room. Combustion product is exhausted via the flue discharge vent when installed in a masonry chimney or when installed in a zero clearance box through a 100mmØ x 150mmØ twin skinned flue to the outside of the house.

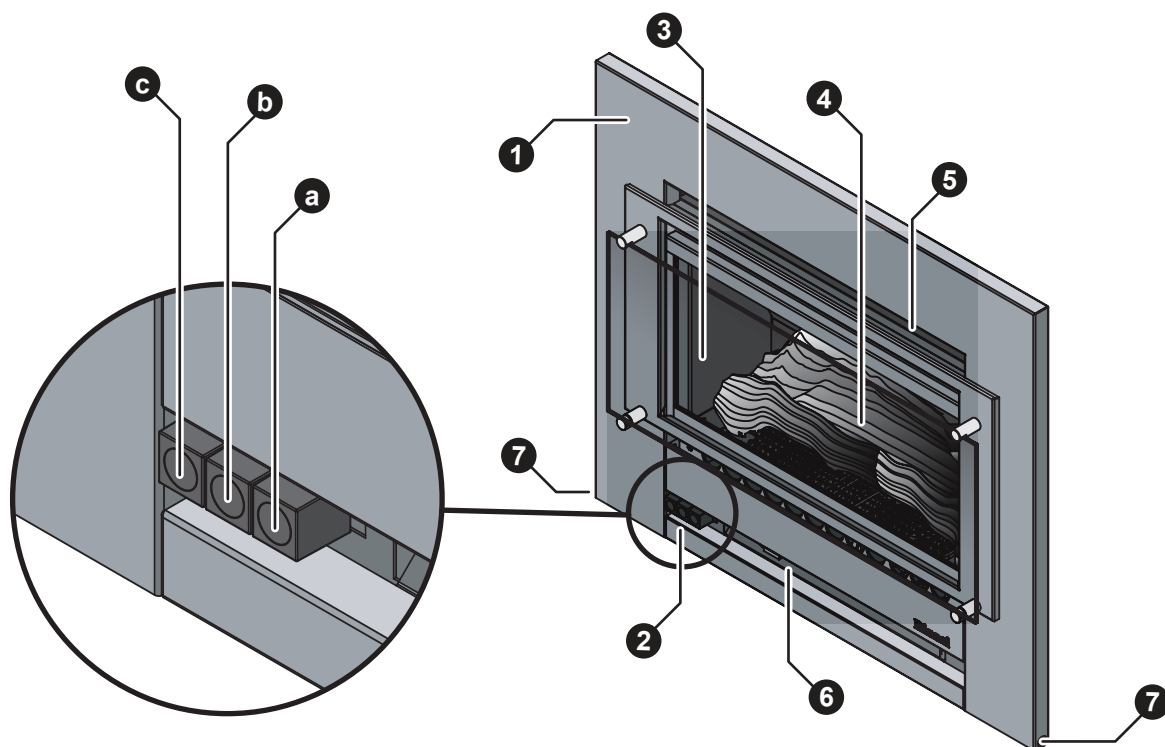
Fireplace / Masonry installation - Engine:

The appliance is directly mounted into an existing masonry fire place or a non-combustible/masonry enclosure that has a chimney. When installed correctly the appliance is a flush to wall mount.

Zero Clearance installation:

The appliance is fitted within a sheet metal Zero Clearance Box Assembly that has been installed into a wall or other suitable structure. Materials need not be non-combustible. When installed correctly the appliance is a flush to wall mount.

APPLIANCE OVERVIEW



- (1) Rinnai Slimfire Heater.
- (2) Push button control panel.
 - (a) Ignition / Low button.
 - (b) Medium button.
 - (c) High button.
- (3) Glass dress guard.
- (4) Flame window - artificial log set and burn media.
- (5) Warm air discharge vent.
- (6) Return air vent.
- (7) Alternative power cable outlet location on front panel can be left or right handed.

OPERATION

TURNING ON

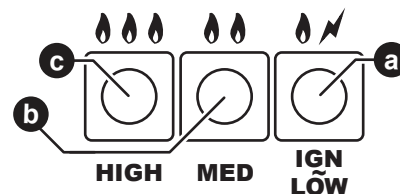


BEFORE PROCEEDING ENSURE THE GAS AND ELECTRICITY ARE TURNED ON.

You **MUST** read and understand these instructions fully before operating the heater.

The push button controls are located on the front lower left hand side of the heater.

1. Press the right hand control (Ignition/Low) button **(a)** firmly. This operates the built-in safety device and starts the electronic spark. The front burner and pilot will ignite. Check that the burner has lit and continue to hold the button down for up to 15 seconds. The spark will continue while the button is held down.
2. If the burner does not remain alight, Push the Ignition/Low button **(a)** again and release it. This will return it to the 'OFF' position. Wait 30 seconds, then repeat the ignition procedure.



The Ignition/Low button **(a)** **MUST BE** in the 'OFF' position before attempting re-ignition.

ADJUSTING HEAT

The Slimfire has three heating settings **LOW (a)**, **MEDIUM (b)** and **HIGH (c)**. Press each of the control buttons in order from right to left, this will ignite additional burners and modulate the fan speed as shown in diagram below.



There is no need to hold the buttons for 15 seconds when adjusting the heat. The relationship between the burner operation and the fan speed are pre-set and can not be independently adjusted.

BUTTON	IGNITION / LOW		MEDIUM		HIGH	
Fan Speed	LOW		LOW		HIGH	
Front Burner	HIGH		LOW		HIGH	
Rear Burner	OFF		LOW		HIGH	
MJ/h Usage	Natural	Propane	Natural	Propane	Natural	Propane
	7.7	9.0	14.2	15.8	25.0	25.0

FAN OPERATION

The fan will operate automatically when the heater warms up, and will stop when the combustion chamber cools.

When the heater is on the **HIGH** setting the fan will operate on high speed when the heater is hot.

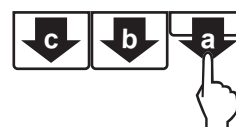
When the heater is on the 'low' or **MEDIUM** heat setting, the fan will operate on slow speed when the heater is hot.

When the heater is on the **LOW** setting the fan may turn off as the heater cools and restart when warm again.

The fan may continue to operate on slow speed when the burners have been extinguished until the heater cools down.

TURNING OFF

To turn the heater 'OFF' push and release any of the operated control buttons from left to right in sequence until all are released.



POWER OUTAGE



If there is a power failure when the heater is in operation the overheat protection may shut off the gas to protect the heater. In the event of a power failure, turning the heater to its lowest setting may allow the heater to continue operating without overheating. The fan will not work without electrical power.

CARE & MAINTENANCE

Your heater needs very little maintenance, but the following information will help you to keep it looking good and working efficiently.



DO NOT attempt to clean the heater while the appliance is hot or operating.

All parts of the heater can be cleaned using a soft, damp cloth.

DO NOT USE SOLVENTS OR ABRASIVES TO CLEAN ANY PARTS.

DO NOT SPRAY AEROSOLS IN THE VICINITY OF THE APPLIANCE WHILE IT IS IN OPERATION.

DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.

DO NOT USE OR STORE FLAMMABLE MATERIALS IN OR NEAR THIS APPLIANCE.

DO NOT REMOVE ANY PANELS OR ATTEMPT TO CARRY OUT ANY SERVICE WORK OTHER THAN THAT WHICH IS MENTIONED IN THE TROUBLE SHOOTING CHECKLIST BELOW.

TROUBLE SHOOTING CHECKLIST

Use the following chart to help determine whether a service call is required, however if you are unsure about the way your heater is operating, or if you have any other faults or problems, please refer to your installer or a Rinnai Customer Care Centre Consultant, see back page for Rinnai contact details.

Probable Cause	Fault Condition						Simplest Possible Remedy
	Burners fail to ignite	Smell of gas	Fan Not Working	Minor soot deposits	Severe sooting	Glass, Condensating Glass, Streaky lines	
Not plugged in or turned off	●		●				Plug in power cord and turn power 'ON'.
Mains power failure	●		●				Turn heater to LOW or OFF until power returns.
(Initial Install) Air in gas pipe	●						Installer to purge air from gas supply.
Air in hose	●						Repeat Ignition procedure.
Ignition failure	●						Repeat Ignition procedure.
Gas escape		●					Isolate gas supply, call Rinnai.
Gas supply turned off	●						Turn gas supply on at the meter or cylinder.
Inadequate flue system	●				●		Call Rinnai.
Insufficient gas pressure	●				●		Call Rinnai.
Log Misalignment					●		Call Rinnai.
Possible fan fault			●				Call Rinnai.
Normal operation				●		●	Allow heater to warm up.

SERVICE

This appliance does not contain user serviceable parts and **MUST ONLY** be serviced and repaired by an authorised person. If the power supply cord or any other component of the heater are damaged, they **MUST BE** replaced by Rinnai or a suitably qualified person.

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. **Rinnai recommends that this appliance be serviced every 2 years.** If your appliance requires service, please call our National Help Line (contact numbers for which are on the back cover of this manual).



Service calls for general cleaning, maintenance and wear and tear are not necessarily covered under the warranty. Service calls of this nature may be chargeable.

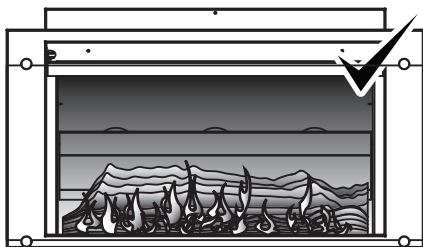
Faults caused by insufficient gas supply, gas quality, installation errors or operation errors are not covered by the Rinnai warranty. Refer to separate Warranty Manual for details.

ABNORMAL FLAME PATTERN

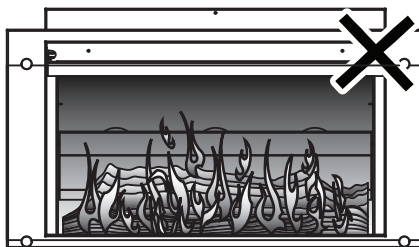
Each Rinnai Flame Fire heater has a distinct flame pattern. The flame should look the same every time you operate your heater, after an initial warm up period of approximately 15 minutes.

Abnormal flame performance and/or pattern can indicate a problem with your heater, such as blocked gas injectors, incorrectly installed / inadequate flue system or the artificial logs/burn media may have shifted from when the heater was first installed.

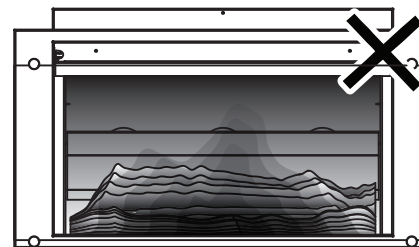
There are some warning signs that could indicate a problem. If any of the signs below occur, please contact Rinnai.



NORMAL FLAME PATTERN



ABNORMAL FLAME PATTERN



SOOT BUILD UP

Key signs of abnormal flame performance:

- Appliance turns 'OFF' soon after start up and does not relight.
- Flame appears overly orange-yellow.
- Flame appears either very short or very long.
- Flame only burns part way across the burner.
- Severe soot building up on the inside of the glass or on logs.
- Continuous unusual smell from the appliance.
- Continued difficulty or delay in establishing a flame.



Be advised that appliances incorporating a live fuel effect, and designed to operate with luminous flames, may exhibit slight carbon deposition, this is normal operation.

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This appliance **MUST** be installed, maintained and removed **ONLY** by an Authorised Person.
For continued safety of this appliance it **MUST** be installed and maintained in accordance with the manufacturers instructions.

GENERAL INSTALLATION INFORMATION

LOCATION

When positioning the heater, the main variables governing the location are Flueing and Warm Air Distribution.

This heater must not be installed where curtains or other combustible materials could come into contact with it. In some cases curtains may need restraining. Refer to "Operational Safety Warnings" on page 6 for additional safety considerations.



Horizontal and vertical clearances are measured from the edge of the burner box glass.

Mantles and surrounds can be added to compliment the design provided that they conform to the following clearances requirements.

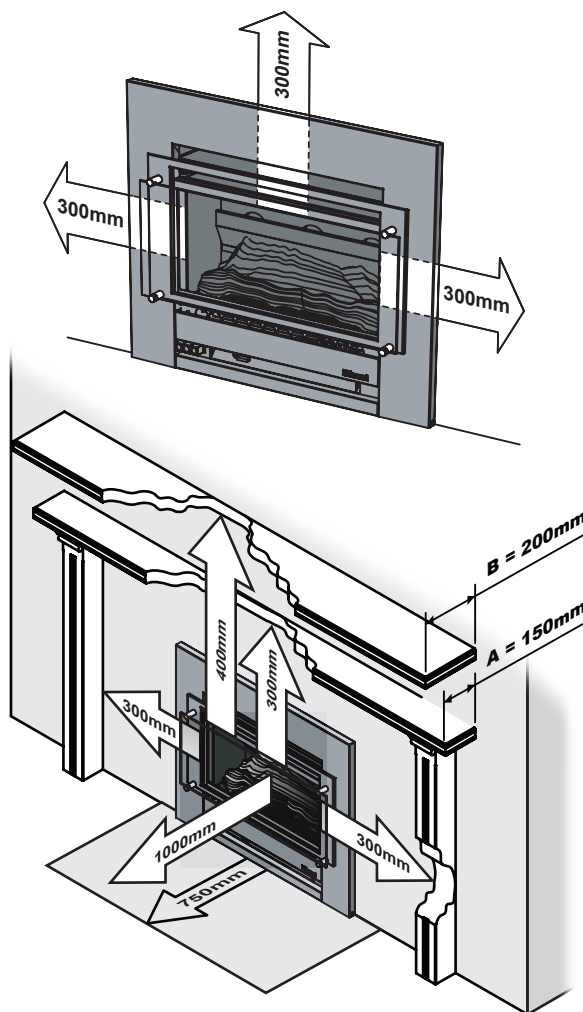
The minimum clearance from the edge of the burner box glass is 300 mm. The depth of the mantle or surround (**A**) at this minimum clearance may not exceed 150 mm.

An additional 100 mm of clearance is required for every extra 50 mm of mantle depth. The depth of the mantle or surround (**B**) at 400 mm of clearance may not exceed 200 mm.

Ensure that the area in which the appliance is installed has adequate fixed ventilation, this fixed ventilation must be provided as detailed in AS/NZS 5601.1.



Combustion product spillage testing must be conducted during appliance commissioning. This testing may show a need for additional fixed ventilation.



TV & ORNAMENTATION WARNING



INSTALLATION OF TV OR ORNAMENTATION ABOVE THE HEATER

The installation of electrical appliances above and in the vicinity of the heater such as, but not limited to, Plasma TV, LCD TV, Home Theatre Screens, Speakers, etc must comply with their manufacturers' instructions.

It is the responsibility of the installer/end-user to check the installation instructions of these items and to ensure the location is suitable.

This caution also extends to, but is not limited to, ornaments such as: Paintings, Prints, Photographs, Tapestries, Mirrors, Stuffed Animals, etc.

Please note the recommended clearances as per the diagram above.

The temperature of the wall surface directly above the appliance may be elevated and may discolour paint finishes or distort vinyl wall coverings. For durability of surfaces you should contact the relevant manufacturer for their specification.



RINNAI DOES NOT TAKE ANY RESPONSIBILITY FOR ANY DAMAGE OCCURRING TO ANY ITEMS INSTALLED ABOVE AND IN THE VICINITY OF THE HEATER.



Use either a shelf or mantle below the TV or ornament or alternately you can construct a recess to mount TV or ornament in.

Check the manufacturers installation instructions for these items and ensure the recess is suitable.

ENCLOSURE REQUIREMENTS

Masonry Fireplace

The appliance must be positioned within the fireplace on a flat level surface.

If the appliance is elevated from the ground within the structure, a base must be constructed using suitable material with supporting joists capable of supporting a minimum of 1.5 times the weight of the appliance.

Zero Clearance In-built installation

Framework of the installation must conform to local building codes. Non-combustible materials need not be used.

If the appliance is elevated from the ground within the structure, a base must be constructed using suitable material with supporting joists capable of supporting a minimum of 1.5 times the weight of the appliance.

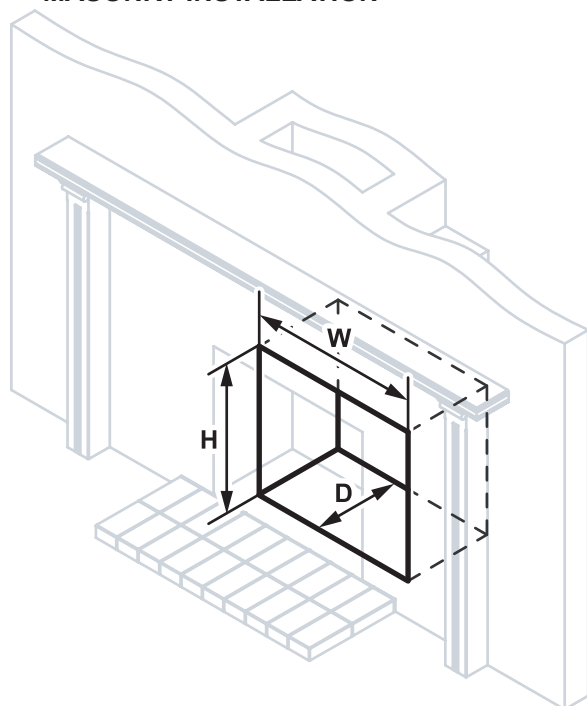


AS/NZS 5601 "GAS INSTALLATIONS" requires that flue components be supported independently of the appliance.

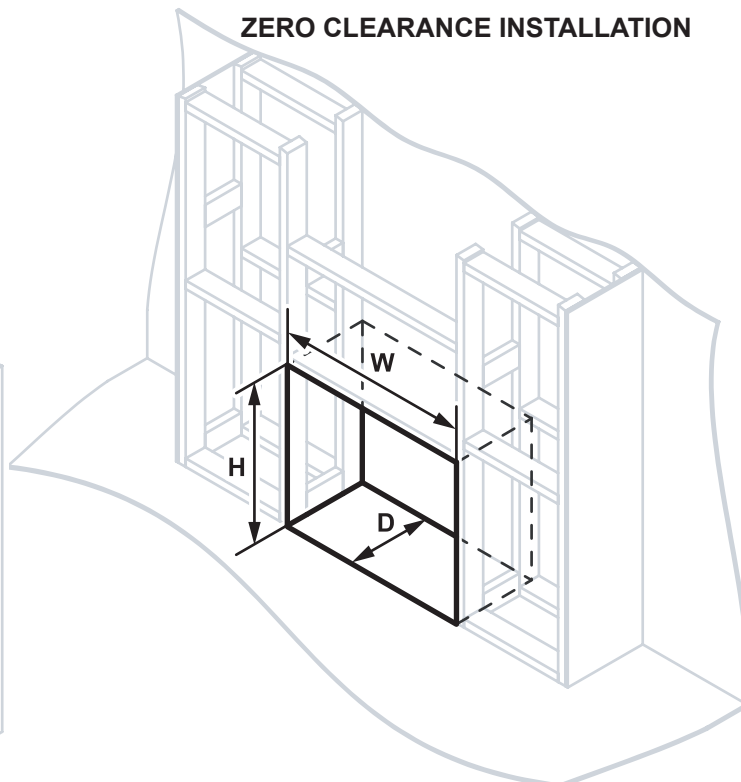
ENCLOSURE DIMENSIONS

Enclosure dimensions are shown below. The enclosure dimensions specified are critical to the successful installation of this appliance and **MUST** be strictly adhered to.

MASONRY INSTALLATION



ZERO CLEARANCE INSTALLATION



Installation Type	Height (H)		Width (W)		Depth (D)
	Min	Max	Min	Max	
Masonry	550	630	595	700	360 (min clearance spigot to back of fire place 50mm!)
Zero Clearance	615		685		380 (read caution below)

All dimensions are in mm.



For clarity the consumer piping gas supply, electrical connections and some construction details have been omitted. Refer to "Gas Supply" on page 16 and "Electrical Supply" on page 16 for details.

When preparing a cavity / frame for a zero clearance installation the total cavity depth **MUST** also include the thickness of the external cladding, as the zero clearance box **MUST BE** installed flush with the cladding surface. Failure to do this will cause misalignment of the flue systems.

GAS SUPPLY



Gas pipe sizing must consider the gas input to this appliance as well as all other gas appliances in the premises. The gas meter and regulator must be specified for the total gas rate.

A suitable sizing chart such as the one in AS/NZS 5601 should be used.



Confirm correct gas type (see labels located on top or rear panels). Refer to local gas authority for confirmation of gas type if you are in doubt.

Installation of consumer piping

The gas supply (consumer piping), termination is inside the heater and enters through the rear of the appliance.

A ½" BSP flared nut (a) and a ½" BSP Male Flare x ½" Barrel Union - Elbow (b) are provided for connection to the consumer piping (c). They are shipped inside the engine attached to on the gas inlet connection of the heater.

Refer to the table below and the dimensional drawings on this page and on page 16 for appliance gas inlet location and other relevant dimensions.

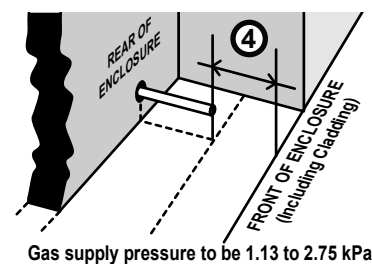
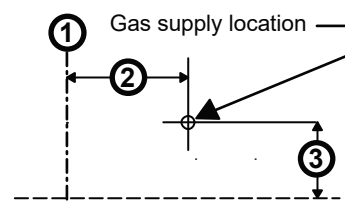
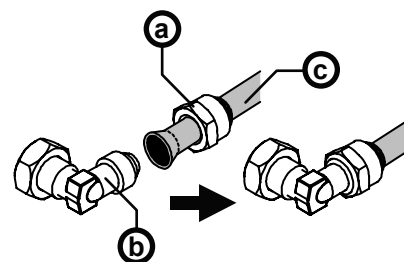
1. Mark off the location for the vertical centre line (1) of the heater enclosure.
2. To the right of the vertical centre line (1), mark off both the vertical (2) and horizontal (3) location for the gas supply penetration (consumer piping). For measurements refer to the Gas Supply Dimension Table below.



The length of the gas supply (consumer piping) termination (4) is measured from the front of the enclosure including the thickness of any cladding material.

Gas Supply Dimension Table

2	280mm to right of appliance centre-line (1)
3	43mm from base of enclosure
4	Consumer piping to be terminated 79mm from the front of enclosure



Purging Gas Supply

Foreign materials and debris such as swarf, filings, etc. **MUST** be purged / removed from the gas supply, failure to do so may cause damage to the gas control valve causing it to malfunction.

Leak Testing the Connection

Plug the end of the consumer piping gas and leak test all joints.



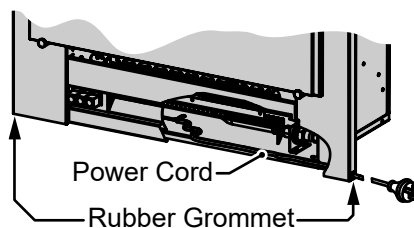
Use a soapy solution to test all gas connections. If a leak is present bubbles will form at the leak point. When finished remove any residue with a rag. Prevent any soapy solution from coming in contact with electrical components.

ELECTRICAL SUPPLY

If a power point is used it **MUST** be 230 V, rated at 10A and **MUST** be earthed. This power point **MUST NOT** be located above the heater. The heater engine is fitted with a 1.5 metre power cord and three pin plug which can exit the appliance from either the lower left or right hand side of the heater as required.

Direct Wired Installations

Alternatively the appliance can be direct wired to conceal the power supply.



A qualified electrician will need to be consulted where a direct wired installation is required. Any such installation must comply with the requirements of AS/NZS 5601, AS/NZS 3000 and any other relevant local regulations.

FLUE TERMINAL LOCATION

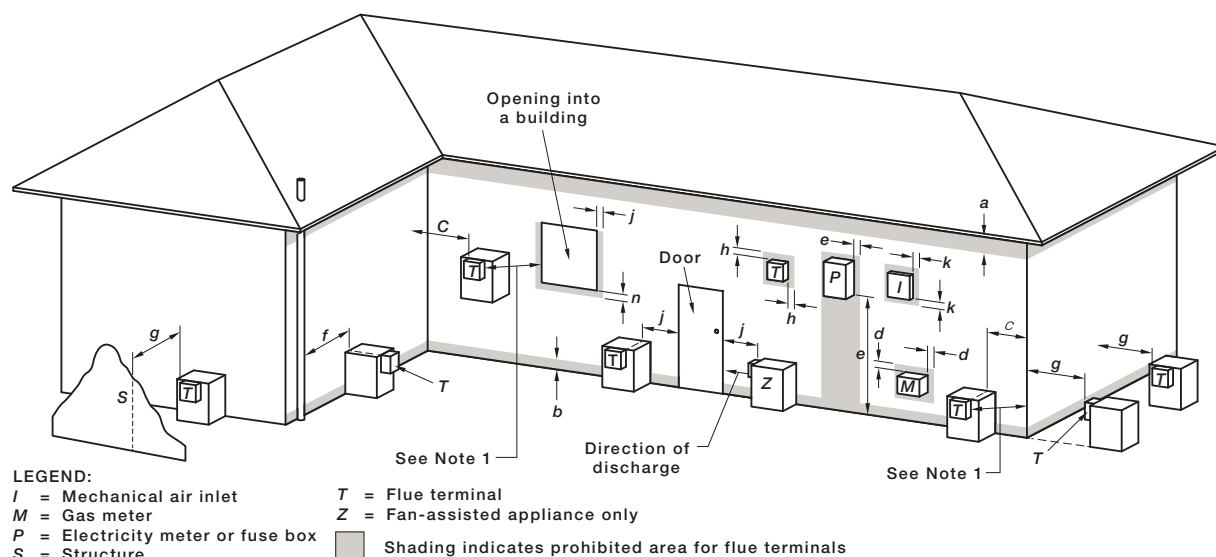


Ensure that the location of the flue terminal can comply with the requirements of AS/NZS 5601 - Fig. 6.2 which is reproduced in part below.

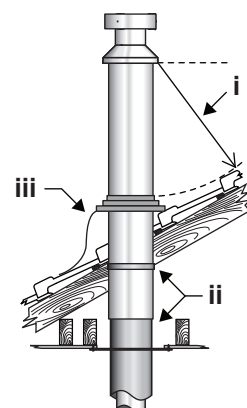
AS/NZ 5601 was current at the time of printing but may have been superseded. It is the installer's responsibility to ensure that requirements of the current version of AS/NZS 5601 are met.

The flue system must be fully assembled and secured in place before the heater is installed into the enclosure.

Refer to separate Flueing Installation Manual for Rinnai Flamefire heaters.



Ref.	Item	Min. Clearances (mm)
	Below eaves, balconies and other projections:	
a	• Appliances up to 50 MJ/h input	300
	• Appliances over 50 MJ/h input	500
b	From the ground, above a balcony or other surface *	300
c	Front a return wall or external corner *	500
d	From a gas meter (M) (see 5.11.5.9 for vent terminal location of regulator) (see Table 6.6 for New Zealand requirements)	1000
e	From an electricity meter or fuse box (P) †	500
f	From a drain pipe or soil pipe	150
g	Horizontally from any building structure* or obstruction facing a terminal	500
h	From any other flue terminal, cowl, or combustion air intake †	500
	Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:	
j	• Appliances up to 150 MJ/h input *	500
	• Appliances over 150 MJ/h input up to 200 MJ/h input *	1500
	• Appliances over 200 MJ/h input up to 250 MJ/h input *	1500
	• Appliances over 250 MJ/h input *	1500
	• All fan-assisted flue appliances, in the direction of discharge	-
k	From a mechanical air inlet, including a spa blower	1500
	Vertically below an openable window, non-mechanical air inlet, or any other opening into a building with the exception of sub-floor ventilation:	
n	• Space heaters up to 50 MJ/hr input	150
	• Other appliances up to 50 MJ/hr input	500
	• Appliances over 50 MJ/h input and up to 150 MJ/h input	1000
	• Appliances over 150 MJ/h input	1500



- i Minimum clearance 500mm to nearest part of roof
- ii Minimum clearance 25mm to any combustible materials
- iii Deck or lead collar flashing

* - unless appliance is certified for closer installation

† - Prohibited area below electricity meter or fuse box extends to ground level.

NOTES:

- Where dimensions c, j or k cannot be achieved an equivalent horizontal distance measured diagonally from the nearest discharge point of the terminal to the opening may be deemed by the Technical Regulator to comply.
- See Clause 6.9.4 for restrictions on a flue terminal under a covered area.
- See Figure J3 for clearances required from a flue terminal to an LP Gas cylinder. A flue terminal is considered to be a source of ignition.
- For appliances not addressed above acceptance should be obtained from the Technical Regulator.

FIGURE 6.2 (in-part) MINIMUM CLEARANCES REQUIRED FOR FAN-ASSISTED FLUE TERMINALS, ROOM-SEALED APPLIANCE TERMINALS AND OPENINGS OF OUTDOOR APPLIANCES



The flue pipe should be positioned away flammable materials.

FLUE INSTALLATION OPTIONS



The following diagrams illustrate the flue installation options that are available for the Slimfire 252 flame. **ONLY** the genuine Rinnai Flamefire (FLF) flue is certified as part of the Rinnai Slimfire 252 space heaters.

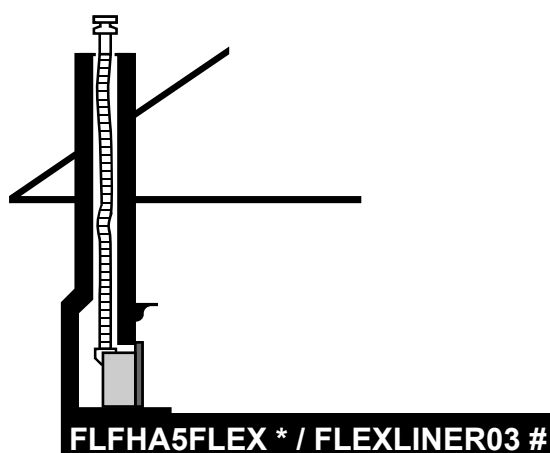
ONLY an authorised person must install, service and remove the Rinnai Slimfire 252 space heater and flue system.

ONLY the flue system components described in the 'Flueing Installation Manual For Rinnai Flamefire Heaters' that is provided with the flue kit must be used.

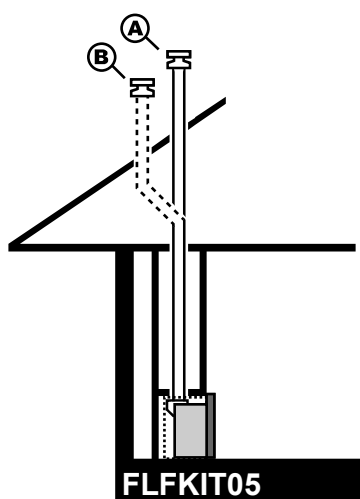
Components that are not described in that manual, whether manufactured by Rinnai or otherwise, are **NOT** compatible and must not be used.

Rinnai appliance warranty conditions may be voided if non Rinnai flue components are fitted.

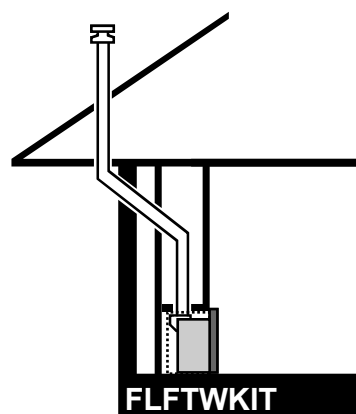
Inbuilt (Masonry)



Inbuilt (Zero Clearance)



Ⓐ Direct Flue Ⓑ Offset flue



Install the Rinnai rigid flue system components in accordance with the 'Flueing Installation Manual For Rinnai Flamefire Heaters' that are provided with the flue kit.



For masonry installation details refer to "Masonry Flue Installation" on page 19.

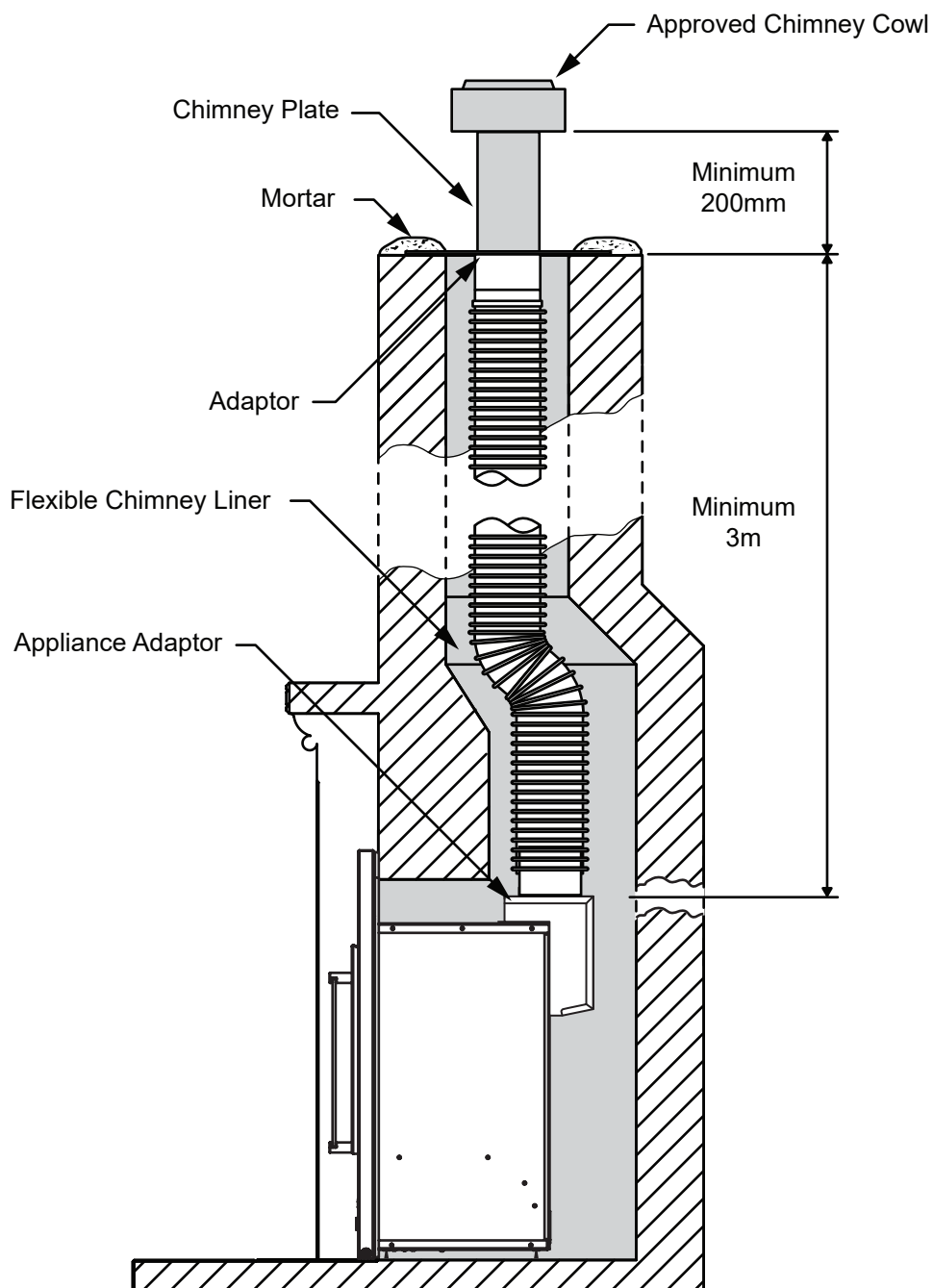
MASONRY FLUE INSTALLATION



A 'Lined Chimney' installation is used when the existing chimney condition is inadequate for an Open Chimney' installation and uses a Rinnai Flexiliner (flexible) flue system:

FLFHA5FLEX - for heaters Pre 2012 * / FLEXLINER03 - for heaters Post 29/11/12 2012 #

Refer to the instruction sheet provided with this kit for installation details.



Lined Chimney Installation



Total chimney height **MUST NOT** be less than 3 metres and flue cowl must terminate above the chimney in accordance with AS/NZS 5601.

The hearth surface must be flat and level to support the entire heater. If the heater is not properly supported noise and vibration may result.

In a masonry fireplace, use a slurry of sand and cement to level the base as required.

In a masonry fireplace, use a slurry of sand and cement to level the base as required.

ENGINE INSTALLATION

MASONRY



HAZARDOUS VOLTAGE.
Risk of Electrical Shock.



Disconnect all
sources of supply
prior to servicing



Read this manual thoroughly and gain a full understanding of the requirements before undertaking installation.

Step 1. Prepare Site



Ensure the intended enclosure meets the requirements of the dimensions as stipulated in "Enclosure Requirements" on page 15 and that gas and electrical supplies have been prepared in accordance with the dimensions stipulated in "Gas Supply" on page 16 and "Electrical Supply" on page 16.

Carefully remove the foam packaging from the outside top of the heater engine, as this packaging contains the fragile burner media it will need to be placed safely aside until required.

Step 2. Unpack The Heater Engine

The heater engine is supplied in one carton, check to ensure you have all contents as listed on "Carton Contents / Item Checklist" on page 8 at the start of this manual before proceeding.

Carefully remove carton by removing the straps and lifting the carton off the appliance. Remove all packaging materials and check all components for damage. If **ANY** damage is evident **DO NOT** install or operate this appliance. Contact your supplier for advice.



Retain the cardboard carton for use in the "Step 4. Positioning the Heater Engine".

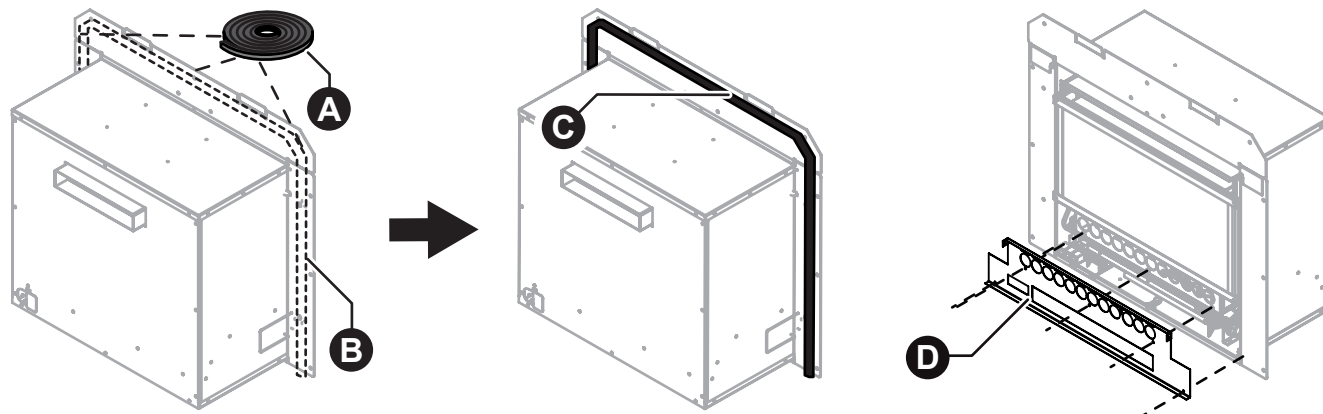
Before installing the heater, check it is the correct gas type, (refer to the gas type label on the top body panel of the heater). Refer to the local gas authority for confirmation of gas type if you are in doubt.

Step 3. Preparing Heater Engine

Attach the adhesive backed foam sealing strip (**A**) supplied to rear face of the fascia assembly mounting panel (**B**). Ensure the seal is stuck to the Fascia Assembly mounting panel at approximately 20mm from the top edge (**C**).

The foam strip is intended to form a seal between the heater and the fireplace brickwork. If an adequate seal cannot be formed then another means of sealing must then be used. (e.g. non combustible insulation or heat resistant silicon).

Remove (do not discard) the gas/electrical access plate (**D**) five screws.



Step 4. Positioning the Heater Engine

Place the heater engine in front of the fireplace enclosure.



A panel from the cardboard packing carton placed on the floor underneath the heater will help prevent possible damage to flooring.

Step 5. Connect Electrical Supply

Plug in the 3 pin connector if electrical connections inside the fireplace.

Step 6. Insert Heater Engine Into Fireplace

Carefully move the heater engine into the fireplace ensuring the gas supply pipe and fittings (**E**) feed into the rear access hole.



Take care that the electrical cord does not bunch up or get pinched behind the heater engine.

Step 7. Connecting Gas

Connect gas supply pipe and fittings (**E**) to the gas control valve inlet (**F**) and tighten. access hole.

Step 8. Leak Testing

Turn gas back ON and leak test all appliance connections



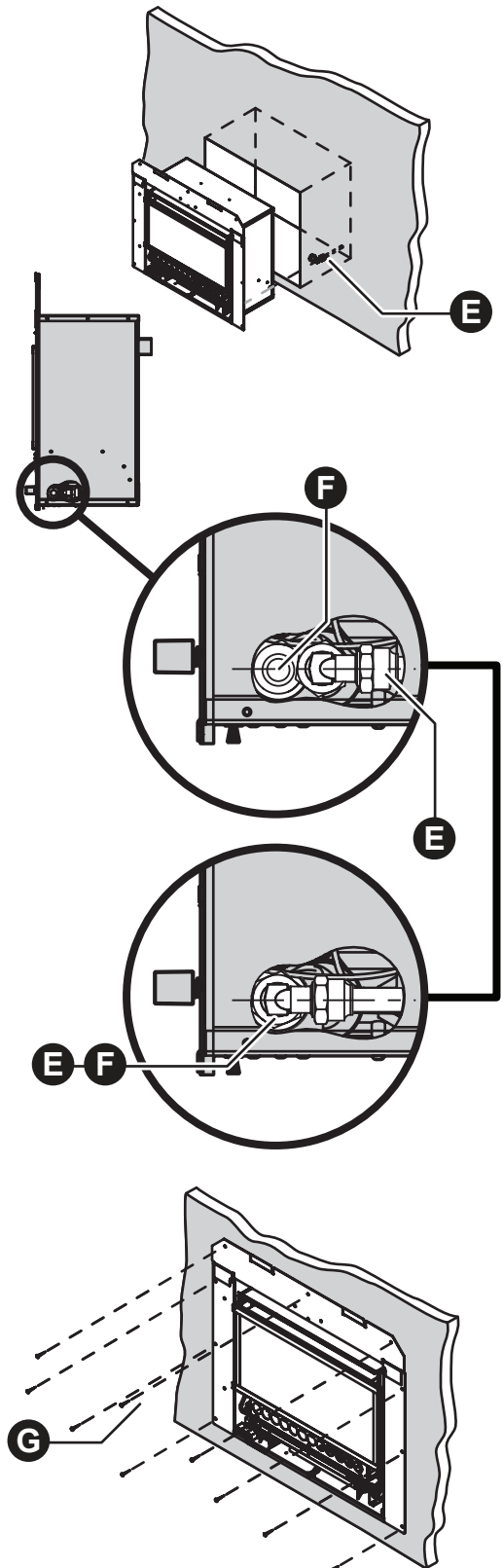
Use a soapy solution to test all gas connections. If a leak is present bubbles will form at the leak point. When finished remove any residue with a rag. Prevent any soapy solution from coming in contact with electrical components.

Step 9. Securing The Heater Engine

Fasten the heater to the masonry work using appropriate fasteners (not supplied) using the three holes across the top of the fascia assembly mounting panel and in at least two of the holes on each side of the side panels as shown .

Step 10. Completing Heater Installation

Go to "Burner Media Installation" on page 25.



ZERO CLEARANCE



**HAZARDOUS VOLTAGE.
Risk of Electrical Shock.**



Disconnect all
sources of supply
prior to servicing



Read this manual thoroughly and gain a full understanding of the requirements before undertaking installation.

Step 1. Prepare Site



Ensure the intended enclosure meets the requirements of the dimensions as stipulated in "Enclosure Requirements" on page 15 and that gas and electrical supplies have been prepared in accordance with the dimensions stipulated in "Gas Supply" on page 16 and "Electrical Supply" on page 16.

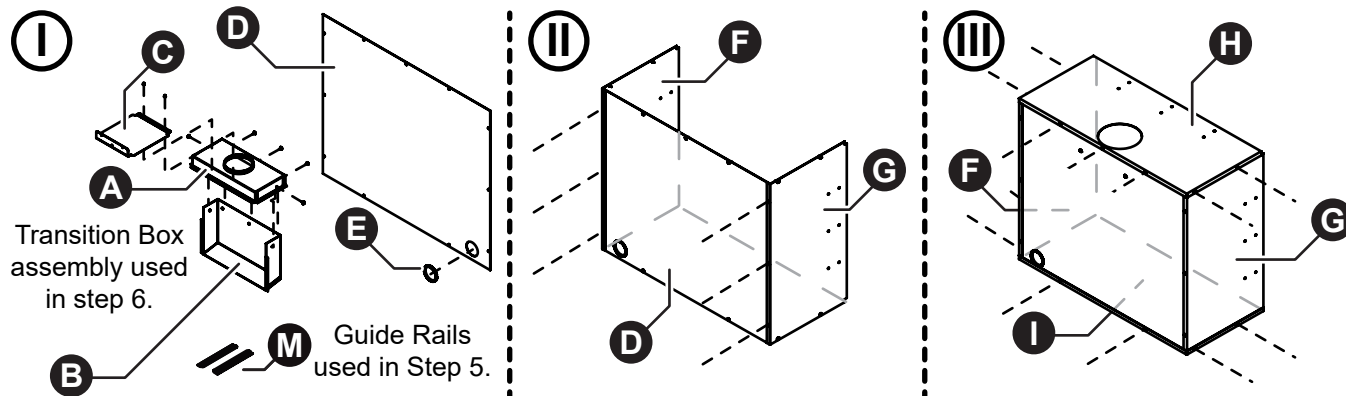
Ensure there are no wall studs, noggins, ceiling joists, wiring or other obstruction within the wall and or ceiling cavity where the flue is proposed to penetrate.

Carefully remove the foam packaging from the outside top of the heater engine, as this packaging contains the fragile burner media it will need to be placed safely aside until required.

Step 2. Assemble Zero Clearance Box

Carefully remove the contents from the carton and check to ensure you have all contents as listed on "Carton Contents / Item Checklist" on page 8 at the start of this manual before proceeding.

Carefully remove carton by removing the straps and lifting the carton off the appliance. Remove all packaging materials and check all components for damage. If **ANY** damage is evident **DO NOT** assemble the zero clearance box and contact your supplier for advice.



- I. Assemble the transition box (A) & (B) with five screws (supplied), then attach the guide plate (C) to the transition box and secure with two pop-rivets (supplied).

Fit the plastic grommet (E) into the gas and electrical access hole of back panel .

- II. Attach the two side panels (F) & (G) to the back panel (D) and secure with six screws (supplied).

- III. Attach top panel (H) to the back panel (D) aligning the flue outlet hole to the rear and secure with three screws (supplied).

Next secure the top panel (H) to the side panels (F) & (G) with four screws (supplied).

Attach base panel (I) to the back panel (D) and secure with two screws (supplied).

Then secure the base panel (I) to the side panels (F) & (G) with four screws (supplied).

Ensure flue has been installed as per 'Flueing Installation Manual For Rinnai Flamefire Heaters'



Flue guide rails screws and pop rivets are supplied with Zero Clearance kit, part number R2520.

Step 3. Fitting Zero Clearance Box Into Cavity

Slide zero clearance box assembly into the cavity, ensuring the gas and electricity supplies are accessible.



When preparing a cavity / frame for a zero clearance installation the total cavity depth **MUST** also include the thickness of the external cladding (**J**), as the zero clearance box **MUST BE** installed flush with the cladding surface, failure to do this will cause misalignment of the flueing.

Secure the zero clearance box into the cavity (**K**) with appropriate fasteners (not supplied).

Install the Rinnai rigid flue system components (**L**) in accordance with the 'Flueing Installation Manual For Rinnai Flamefire Heaters' that is provided with the flue kit.



Ensure there are no wall studs, noggins, ceiling joists, wiring or other obstruction within the wall and or ceiling cavity where the flue is proposed to penetrate.

Step 4. Unpack The Heater Engine

The heater engine is supplied in one carton, check to ensure you have all contents as listed on "Carton Contents / Item Checklist" on page 8 at the start of this manual before proceeding.

Carefully remove carton by removing the straps and lifting the carton off the appliance. Remove all packaging materials and check all components for damage. If **ANY** damage is evident **DO NOT** install or operate this appliance. Contact your supplier for advice.



Retain the cardboard carton for use in the "Step 7. Positioning the Heater Engine".

Before installing the heater, check it is the correct gas type, (refer to the gas type label on the top body panel of the heater). Refer to the local gas authority for confirmation of gas type if you are in doubt.

Step 5. Preparing Heater Engine

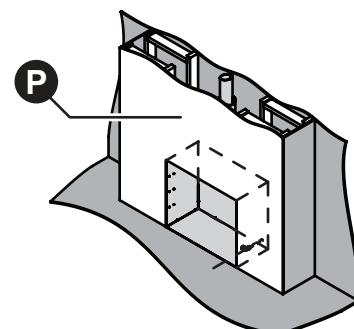
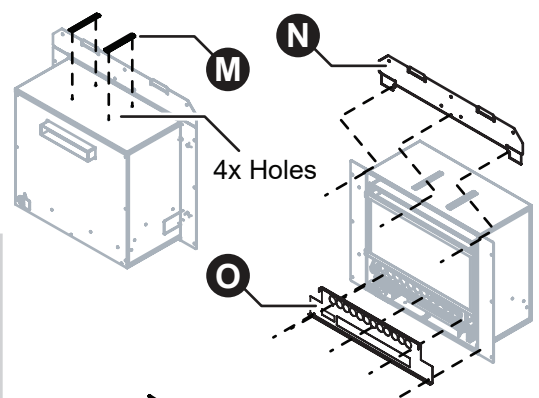
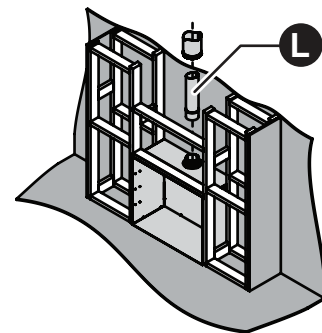
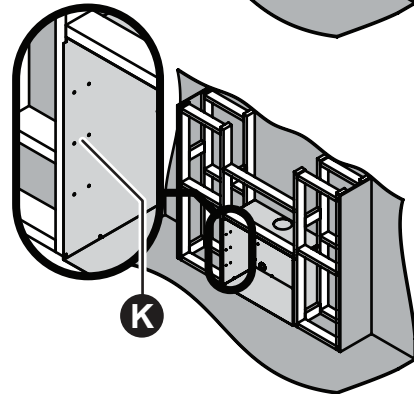
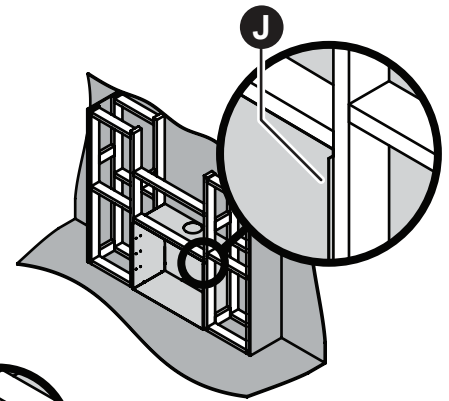
Attach the flue guide rails (**M**) to the top of the heater engine using the four pre-drilled holes with four screws (supplied).

Remove (**do not discard**) the flue access plate (**N**) three screws and the gas/electrical access plate (**O**) five screws.



Flue guide rails screws and pop rivets are supplied with Zero Clearance kit, part number R2520.

Before proceeding any further with the heater engine installation ensure the cladding for the front of the enclosure has been fitted (**P**).



Step 6. Connect Transition Box to Engine

Align the guide rails (**M**) with the guide plate (**C**) of the transition box assembly and slide the assembly, in until the guide plate (**C**) is fully home against the rear of the flange at the top of the heater engines main body (**R**).

Step 7. Positioning the Heater Engine

Place the heater engine in front of the fireplace enclosure.



A panel from the cardboard packing carton placed on the floor underneath the heater will help prevent possible damage to flooring.

Step 8. Connect Electrical Supply

Plug in the 3 pin connector if electrical connections inside the fireplace.

Step 9. Insert Heater Engine Into Fireplace

Carefully move the heater engine into the fireplace ensuring the gas supply pipe and fittings (**Q**) feed into the rear access hole.



Take care that the electrical cord does not bunch up or get pinched behind the heater engine.

Step 10. Connect Flue

Connect flue in accordance with the 'Flueing Installation Manual For Rinnai Flamefire Heaters' supplied with flue kit.

Step 11. Secure Flue

Replace the flue access plate (**N**) and secure the guide plate (**C**) of the transition box assembly to the flue access plate (**N**) with two screws (**S**) (supplied). Re-secure the flue access plate (**N**) to the heater engine three screws.

Step 12. Connecting Gas

Connect gas supply pipe and fittings (**Q**) to the gas control valve inlet (**T**) and tighten.

Step 13. Leak Testing

Turn gas back ON and leak test all appliance connections



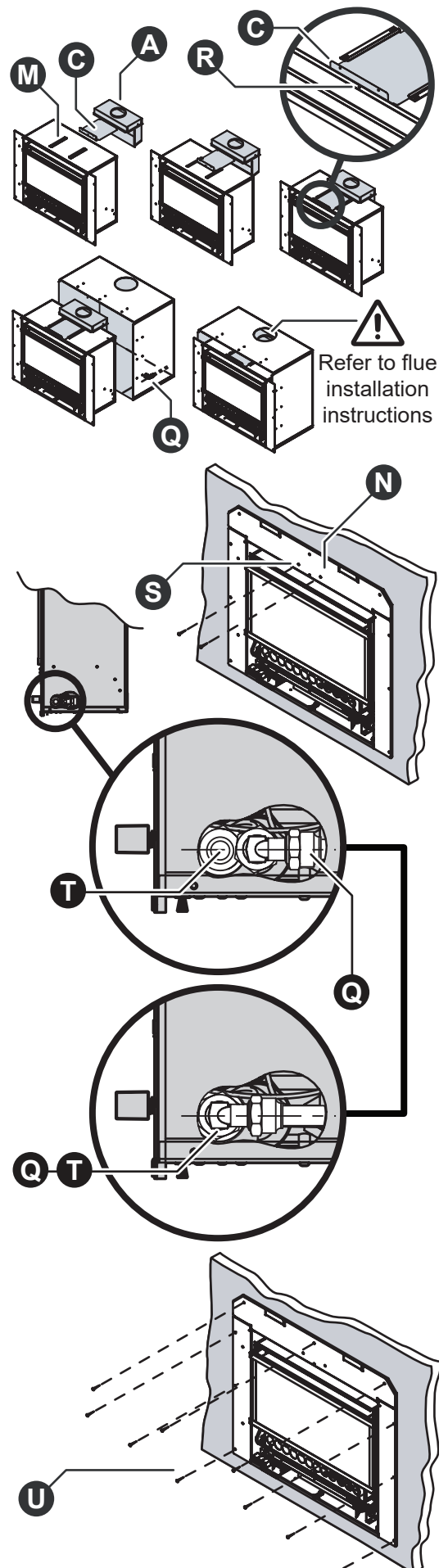
Use a soapy solution to test all gas connections. If a leak is present bubbles will form at the leak point. When finished remove any residue with a rag. Prevent any soapy solution from coming in contact with electrical components.

Step 14. Securing The Heater Engine

Fasten the heater to the masonry work using appropriate fasteners (not supplied) using the three holes across the top of the fascia assembly mounting panel and in at least two of the holes on each side of the side panels as shown .

Step 15. Completing Heater Installation

Go to "Burner Media Installation" on page 25.



BURNER MEDIA INSTALLATION



HAZARDOUS VOLTAGE.
Risk of Electrical Shock.

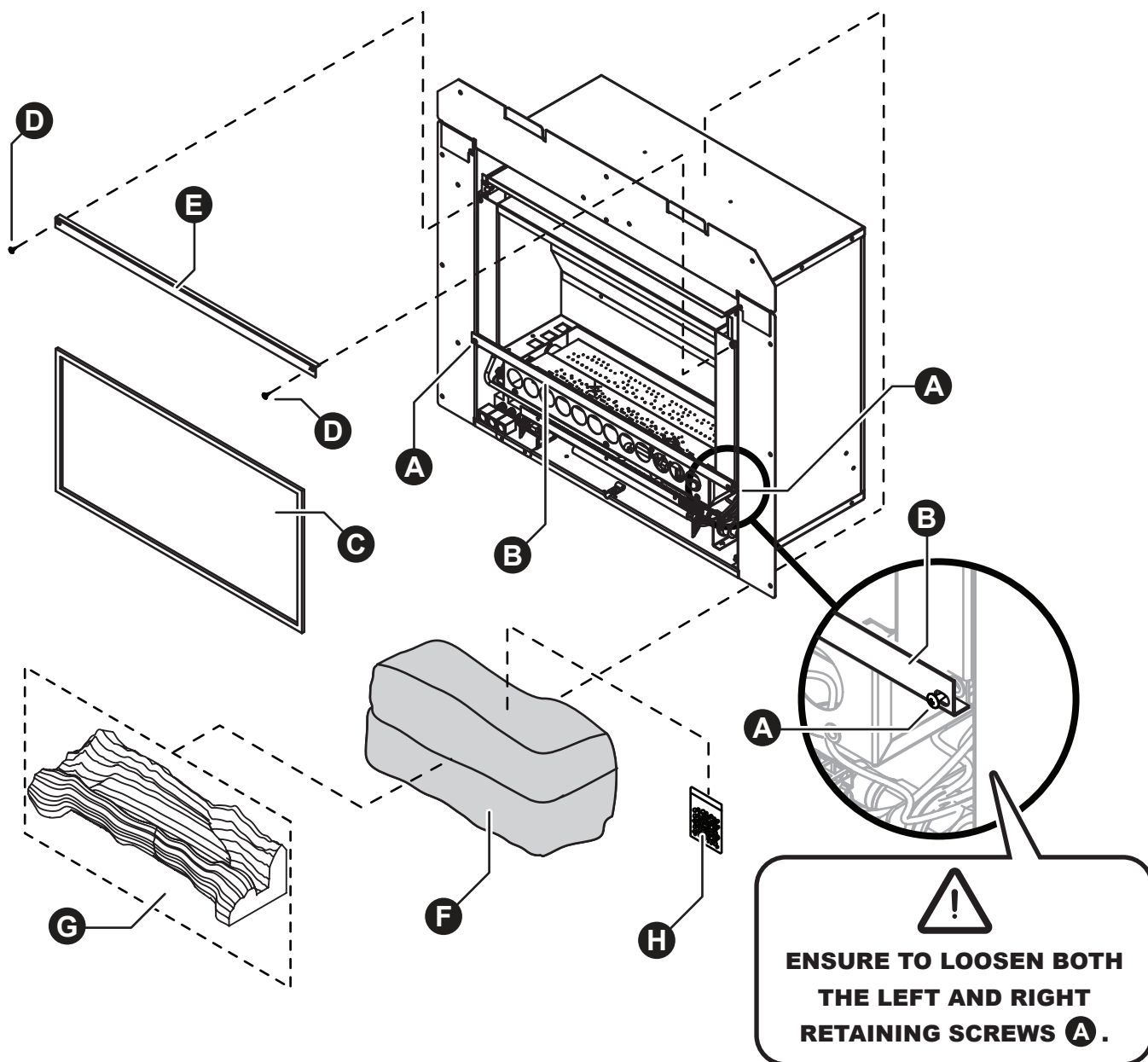


Disconnect all
sources of supply
prior to servicing



Step 1. Removing the Burner Box Glass

Loosen but do not remove the two retaining screws (A) for the bottom burner box glass clamp (B). While supporting the burner box glass panel (C) in place, completely unscrew and remove the two retaining screws (D) and the top burner box glass clamp (E). Then lift burner box glass panel (C) away and place it safely aside where it can not get damaged.



Step 2. Unpacking the Log Set & Granules Satchel

Retrieve the foam packaging (F) containing the log set (G) and the burner granules (H) that was removed earlier prior to the heater engine installation.



The satchel containing the burner granules (Q) is taped to the outside of the foam packaging that contains the log set. Ensure that you locate and remove the satchel before discarding the packaging material.

Carefully unpack the log set (G) from the packaging material (F) and inspect for damage. If **ANY** damage is evident **DO NOT** continue with installation and contact your supplier for advice.

Step 3. Installing the Log Set and Burner Granules



DO NOT remove the burner from heater engine to install the log set.

Use **EXTREME** care when handling the Log Set components, they are made from a very fragile high temperature material and will damage if handled roughly. **ONLY** remove the components from their packaging as required.

Note that for clarity the drawings here are displayed without showing the entire heater.

To achieve the correct location of the log set, hold the log set (**G**) at approximately 45° directly in front of the burner box (**K**).

Maintain this angle and place the front feet (**I**) of the log set behind the unpainted inner horizontal steel lip (**J**) of the combustion chamber.



Take care to ensure the ends of the log set **DO NOT** touch the burner box panel walls (**L**) during the insertion or positioning.

To set the log set into the final position within the burner box, rotate the back of the log set down using the location of the front feet (**I**) as pivot points until it is sitting flat on the rear burner.

⚠ Confirm the correct location of the log set before proceeding with the placement of the granular burner medium, ensuring that the log set is firmly seated in the centre of the burner box and not touching the side walls and that the ports of both the front and rear burners are clean and clear of any debris that may have been shed during the log set installation.

Installation of the granular burner medium may now begin, for best flame effect carefully place, **DO NOT POUR**, the granular burner medium over and around the front burner ports. It is desirable that the gas jet is diffused by the granules, this will reduce any 'candling' effect of the flame enhancing the realistic log burning look of the heater.



DO NOT force any granular material into the burner ports or completely block any of the burner ports.

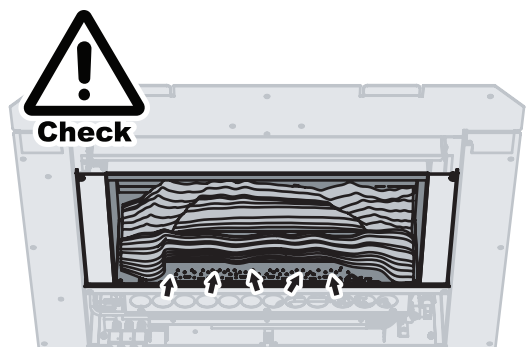
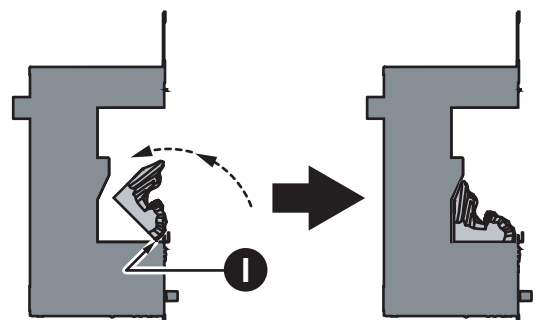
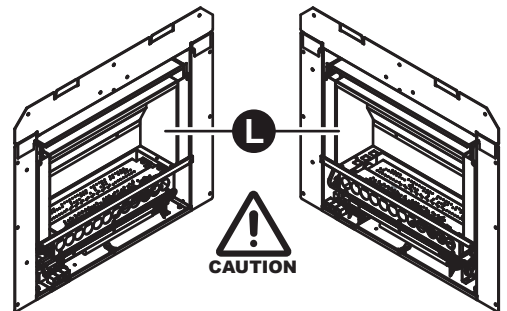
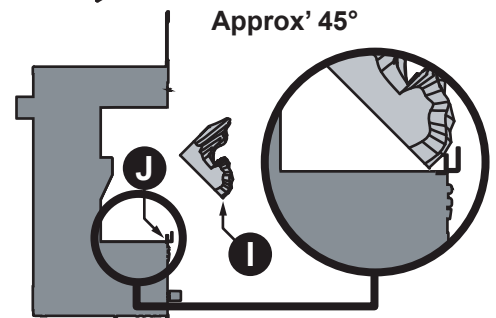
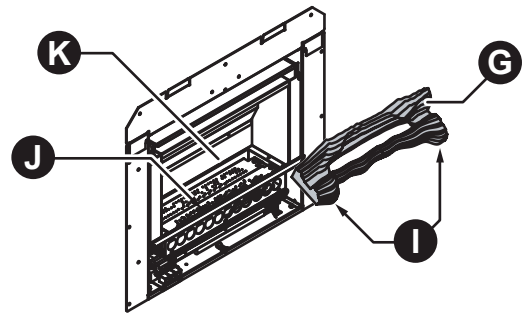
DO NOT place any of the granular burner medium on the rear burner.

Step 4. Replacing the Burner Box Glass

Replace burner box glass panel assembly in reverse sequence as instructed in "Step 1. Removing the Burner Box Glass" on page 25.

Step 5. Completing Heater Installation

Go to "Commissioning" on page 27.



COVERING PORTS



COMMISSIONING



HAZARDOUS VOLTAGE.
Risk of Electrical Shock.



Disconnect all
sources of supply
prior to servicing



When performing the commissioning, the appliance electrical power will need to be connected. Exercise **CAUTION** as there is potential for electric shock from the exposed wiring and circuitry. **DO NOT** leave the appliance unattended when power is connected and the panels are removed.

Installation and commissioning must be carried out by an Authorised person.

Wiring inside this appliance may be at 240V potential.

DO NOT test for gas escapes with an open flame.

Step 1. Switch On the Electricity Supply

- 1.1 Switch on the electricity supply, the appliance is now ready for commissioning.

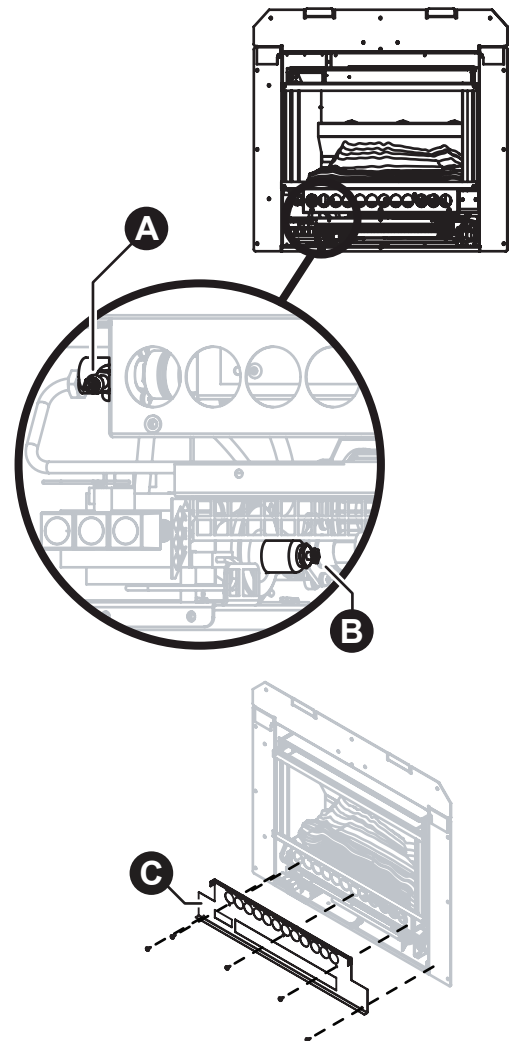
Step 2. To check and set burner pressures:

- 2.1 Turn gas supply on.



The gas type codes and gas pressures for this appliance **MUST BE** checked and set in accordance with these instructions when the appliance is installed, **OR** after the replacement of any component or reassembly after service.

- 2.2 Refer to the data plate of the heater engine for correct gas pressure settings.
- 2.3 Remove pressure test point screw (A) and attach manometer to test point, which is situated on the front of the injector block.
- 2.4 Light heater, select the High heat setting and check pressure.
- 2.5 If adjustments are necessary, the regulator (B) is situated on the front of the gas control and should be set to the pressures on the data plate.
- 2.6 After checking pressure, turn the unit off, remove manometer and replace test point screw.
- 2.7 Turn the heater on and off a few times to check ignition.
- 2.8 Check the flame pattern, see "SPILLAGE TESTING" on page 31
- 2.9 When you are satisfied that the heater is working correctly, re-attach the gas/electrical access plate (C) five screws.



All burner aerations are factory pre-set and cannot be adjusted.

If you are unable to get the unit to operate correctly, refer to "Trouble Shooting Checklist" on page 11 before contacting your local service contacts on the back page.

It may take approximately 20 minutes of operation for the logs to achieve their full flame pattern and glow. During the initial burning in period of approximately 2 hours, some smoke and odour may be experienced, the heater should be run on the high position in a well ventilated room until these dissipate.

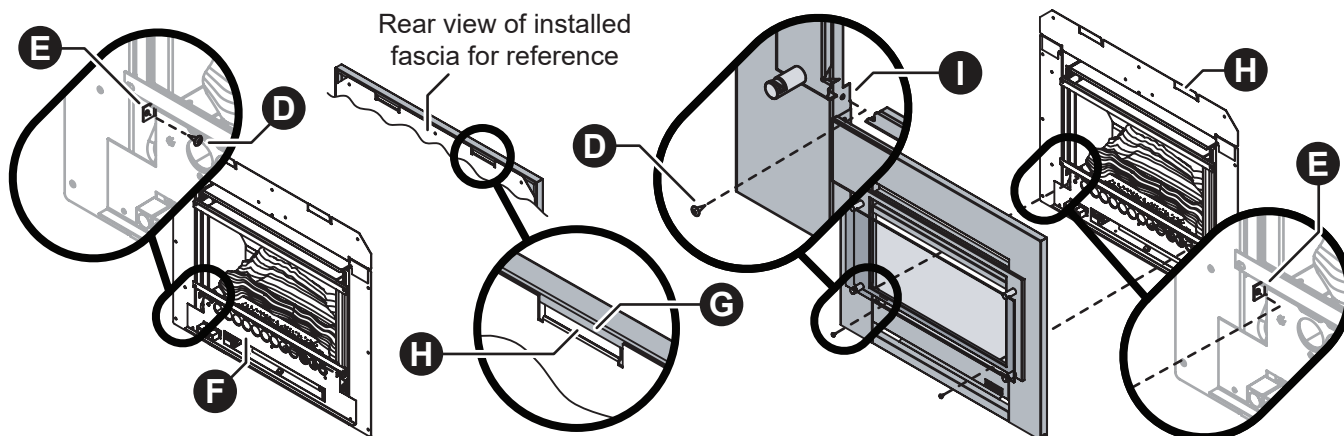
It is the responsibility of the installer to check that under normal operating conditions of the appliance, all flue gases are exhausted to the outside atmosphere and that there is no spillage of combustion gases into the room. Please refer to AS/NZS 5601.

Step 3. Attach the Fascia to the Heater Engine

- 3.1** Locate and remove the two 8g x 10mm fascia assembly securing screws (**D**) pre-positioned in the fascia mounting tabs (**E**) on the gas/electrical access plate (**F**).



These screws have been pre-inserted by the manufacturer to ensure correct threading of the fascia securing tabs.



- 3.2** Carefully pick up fascia assembly taking care not to tilt it on it's edge as the glass may slide out of the stand off posts.
- 3.3** Position the top fold (**G**) over the fascia assembly mounting tabs (**H**) and gently push the lower edge of the fascia assembly until it is flush at the edges.
- 3.4** Fit and tighten the two fascia retaining screws (**D**) through both the fascia (**I**) and the fascia mounting tabs (**E**) on the heater engine body.



The glass dress guard fitted to this appliance reduces the risk of fire and injury and no part of it should be permanently removed.

For protection of young children or the infirm a secondary guard is required.

Step 4. Check Flame Pattern

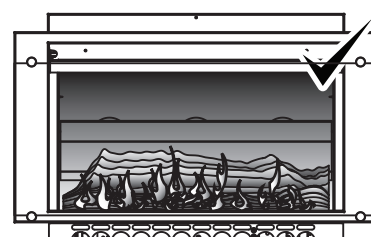
- 4.1** Each Rinnai Flame Fire heater has a distinct flame pattern.

Abnormal flame performance and / or pattern can indicate a problem with the heater, such as blocked gas injectors, incorrectly installed / inadequate flue system or the artificial logs/burn media may have shifted from when the heater was first installed.

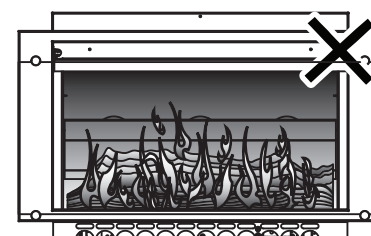
There are some warning signs that could indicate a problem. If any of the signs below occur, please contact Rinnai.

Key signs of abnormal flame performance:

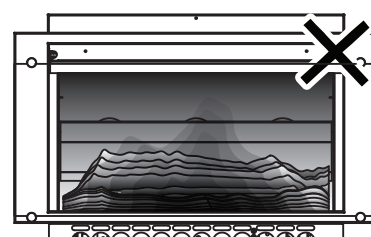
- Appliance turns 'OFF' soon after start up and does not relight.
- Flame appears overly orange-yellow.
- Flame appears either very short or very long.
- Flame only burns part way across the burner.
- Severe soot building up on the inside of the glass or on logs.
- Continuous unusual smell from the appliance.
- Continued difficulty or delay in establishing a flame.



NORMAL FLAME PATTERN



ABNORMAL FLAME PATTERN



SOOT BUILD UP



Be advised that appliances incorporating a live fuel effect, and designed to operate with luminous flames, may exhibit slight carbon deposition, this is normal operation.

Step 5. Spillage Testing

- 5.1** Check for spillage of combustion product into the space being heated in accordance with the requirements of AS/NZS5601 "Gas Installations" and local regulations.



The Requirements of AS / NZS 5601 include:

- (a) Checking whether mechanical extraction ventilation draws air through flue systems or chimneys or not. If yes, this will most likely result in combustion product spillage from appliances during their operation.
- (b) Checking whether the operation of appliances and flue systems or chimneys is satisfactory.
- (c) A method for determining the additional fixed ventilation area required to counteract the effect of mechanical extract ventilation.

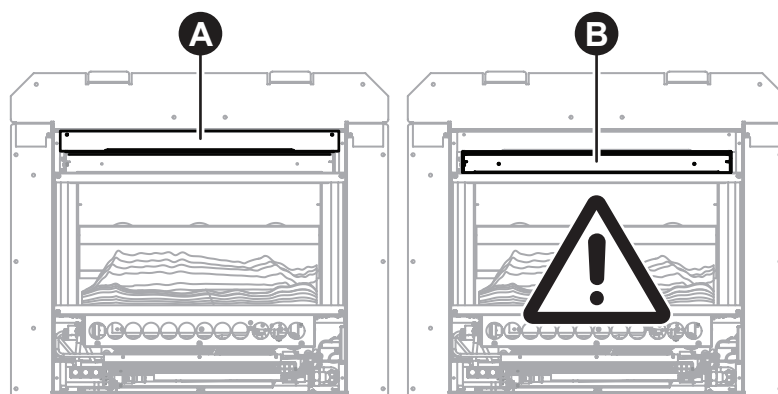
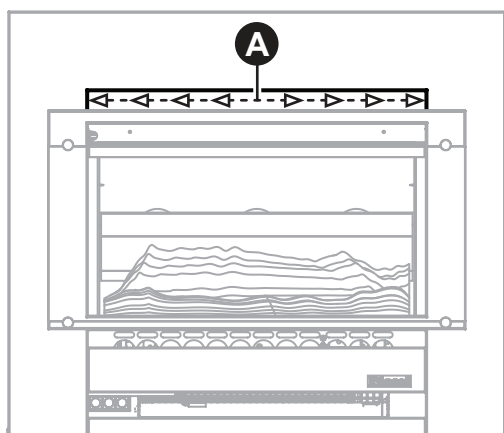


Spillage tests and countermeasures (when required) are critical for safe operation of the appliance.

With the fascia installed check for spillage at the downdraft diverter relief opening (A) which is located at the front top of the appliance, checking for spillage **MUST BE** preformed along the entire length of the this opening as shown in the diagram below.

⚠ Be aware that located directly below the downdraft diverter relief opening (A) is the convection air outlet opening (B), when checking for spillage **DO NOT** test for spillage in this opening.

If unsure contact Rinnai for advice.



Fascia is not shown in the above two images for reasons of clarity!

Step 6. Complete Installation Checklist and Details

- 6.1** Complete the "Installation & Commissioning Checklist" on page 30
- 6.2** Fill out the installation details into the "Installation Record" on page 31
- 6.3** Make sure that this instruction book is left with the customer.

INSTALLATION CHECKLIST & RECORD

INSTALLATION & COMMISSIONING CHECKLIST



Instruct customer on Ultima II operation and ensure the customer understands the content of this manual.

Advise the customer that during the initial burning period of approximately 2 hours, some smoke and odour may be experienced.

During this period the heater should be operated on 'High' and the space being heated should be well ventilated. It may take up to 20 minutes of operation for the logs to achieve their full flame pattern and glow.



THE GUARD IS FITTED TO THIS APPLIANCE TO REDUCE THE RISK OF FIRE OR INJURY FROM BURNS AND NO PART OF IT SHOULD BE PERMANENTLY REMOVED.

FOR PROTECTION OF YOUNG CHILDREN OR THE INFIRM, A SECONDARY GUARD IS REQUIRED.

The glass dress guard supplied with this appliance **MUST NOT** be permanently removed as it fulfils an operational safety function. Additional dress guards including free standing types may be used in conjunction with, but **NOT** replace, the dress guard supplied with this appliance.

The appliance is not intended for use by young children or infirm persons without supervision. Young children and the infirm **SHOULD** be supervised at all times when in the vicinity of this heater while it is in operation.

Ensure the Customer understands that:

- No part of this appliance should be permanently removed.
- Young children and the infirm should be supervised at all times.
- Paper or other material **MUST NOT** be burnt in this appliance.



The following checklist to be completed **ONLY** by a Certified Gas Installer.

	No	Yes
1. Is the appliance positioned in a suitable location (clearances, combustible clearances, mantels and surrounds etc.)?	<input type="checkbox"/>	<input type="checkbox"/>
2. Was a Rinnai approved flue system installed and tested in accordance with the instructions?	<input type="checkbox"/>	<input type="checkbox"/>
3. Has the gas pressure checked and set?	<input type="checkbox"/>	<input type="checkbox"/>
4. Has the log set / burn media been installed as per instructions?	<input type="checkbox"/>	<input type="checkbox"/>
5. Was the appliance tested for correct operation and to ensure no gas leaks?	<input type="checkbox"/>	<input type="checkbox"/>
6. Has combustion product spillage testing been conducted in accordance with AS/NZS5601?	<input type="checkbox"/>	<input type="checkbox"/>
7. Has the customer been instructed on operating procedure and safety requirements?	<input type="checkbox"/>	<input type="checkbox"/>
8. Is the end-user fully aware of operating procedure?	<input type="checkbox"/>	<input type="checkbox"/>
9. Has the Glass Dress Guard been fitted?	<input type="checkbox"/>	<input type="checkbox"/>
10. Has the customer been advised not to remove the glass dress-guard?	<input type="checkbox"/>	<input type="checkbox"/>
11. Has the customer been advised to service the heater every two years?	<input type="checkbox"/>	<input type="checkbox"/>

INSTALLATION RECORD



This appliance **MUST** be installed, maintained and removed **ONLY** by an Authorised Person.

For continued safety of this appliance it **MUST** be installed and maintained in accordance with the manufacturers instructions.

The Installation Record is a reference for the end user, help line staff and service technicians. Ensuring that this information is available here will be helpful in the event that a service enquiry is required.

Installation Details

Installation Company Name: _____

Address: _____

Telephone / Mobile Phone: _____ / _____

Email: _____

Certificate of Compliance / Certification No.: _____

Authorised Persons - Licence No.: _____

Installers Name: _____

Installers Signature: _____

Installation Date: _____

Model Number *

Serial Number *

Installation Address: _____

** This information will need to be copied from the data plate, located on the inside of the appliance.*



Ensure this Operation and Installation manual is left with the customer.

SPECIFICATIONS

TABLE 1. APPLIANCE DETAILS

Model Number		RIBF25N (Natural Gas) / RIBF25L (Propane)
Model name		Slimfire 252 Gas Log Flame Fire
General description		Inbuilt Radiant/Convector, glass fronted, ceramic log space heater with forced convection and natural draft flue system.
Features		Inbuilt & Fireplace installation Burning log effect Glass front Convection Fan, top warm air outlet Glass Dress Guard
Installation	Masonry	Masonry (FlexiLiner if required)
	Inbuilt	Combustible Opening (Zero Clearance Box & Twin skinned Flue)
Burners		Ember bed and flame burner
Combustion System		Naturally aspirated multi port burner.
Flue Type	Natural draft.	Can be flued directly into a sealed chimney when fitted with a Rinnai approved flue system.
	Masonry Flue - Zero clearance	FlexiLiner single skinned, diameter: Ø100 mm. Twin skinned, diameter: inner Ø100mm x outer Ø150mm.
	Flue Terminal	Rectangular spigot rear discharge 43mm x 245mm
Convection Fan		Tangential 2 speed, power rating 28 Watts
Gas Connection		1/2" BSPF male flare
Gas Control		Push button combination control valve
Operation		Push button to light pilot and burners (Low, Medium and High)
Gas Types		NG, Propane (AU) / NG, Universal LPG (NZ Only!)
Appliance Data Plate location		Bottom panel, front right hand side
Ignition		Continuous Spark Electronic Ignition
Power Supply		240 V 50 Hz, 1500 mm cord is supplied with a 3 pin plug
Power Consumption		High 20 W
Safety Devices		Flame Failure Thermocouple Overheat Switch (Bi-metal strip) Fan delay (Bi-metal strip) Electrical Fuse Power Failure Protection
Glass Primary		Ceramic Glass
Glass Secondary		Tempered Glass
Glass seal material		Woven fibreglass chord - Hytex® 1000 by mid Mountain USA
Log Set		Ceramic
Weight		39 Kg

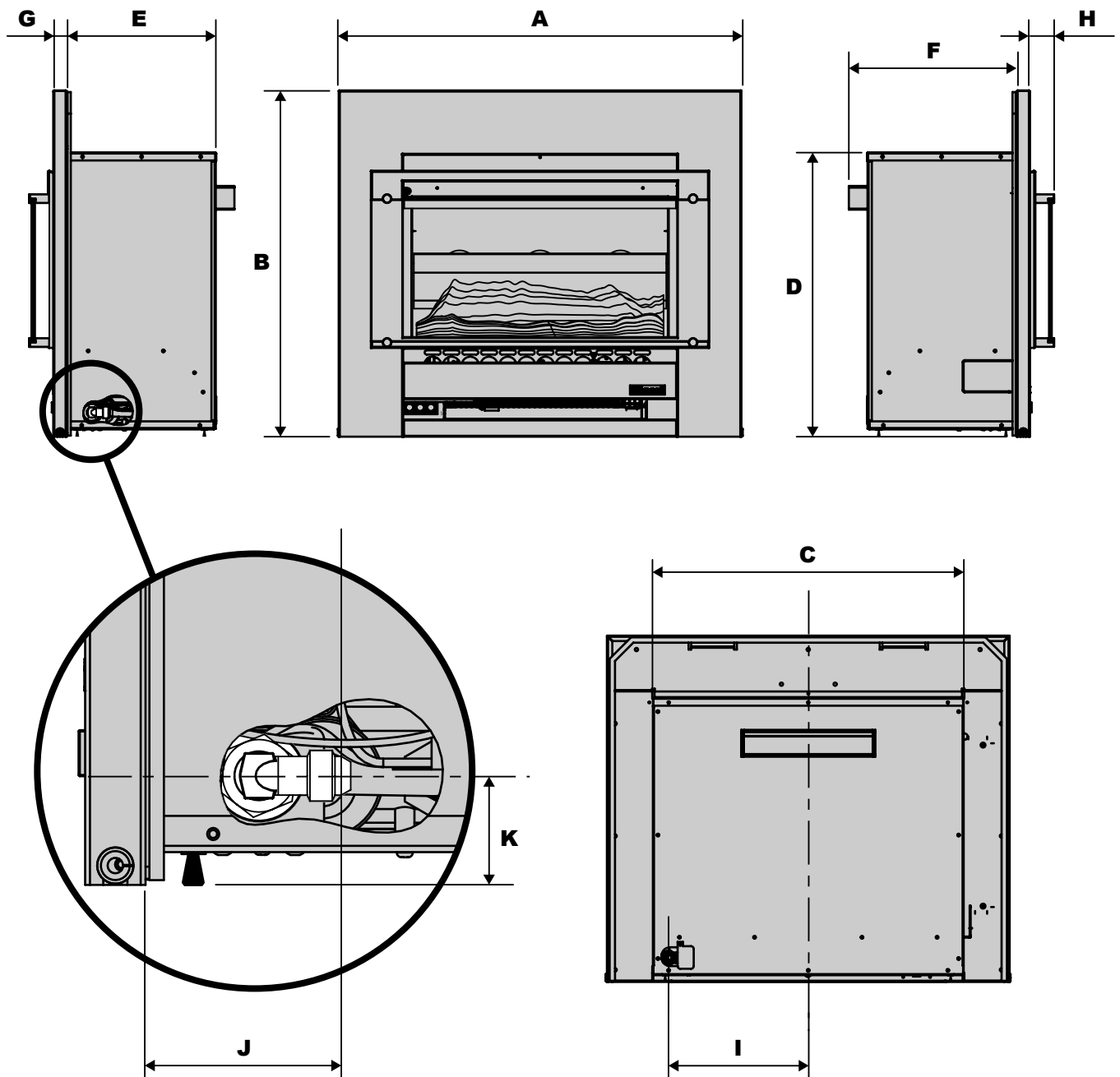


Refer to appliance data plate for Gas Type, Gas Rates, Injector Sizes and Burner Pressures.

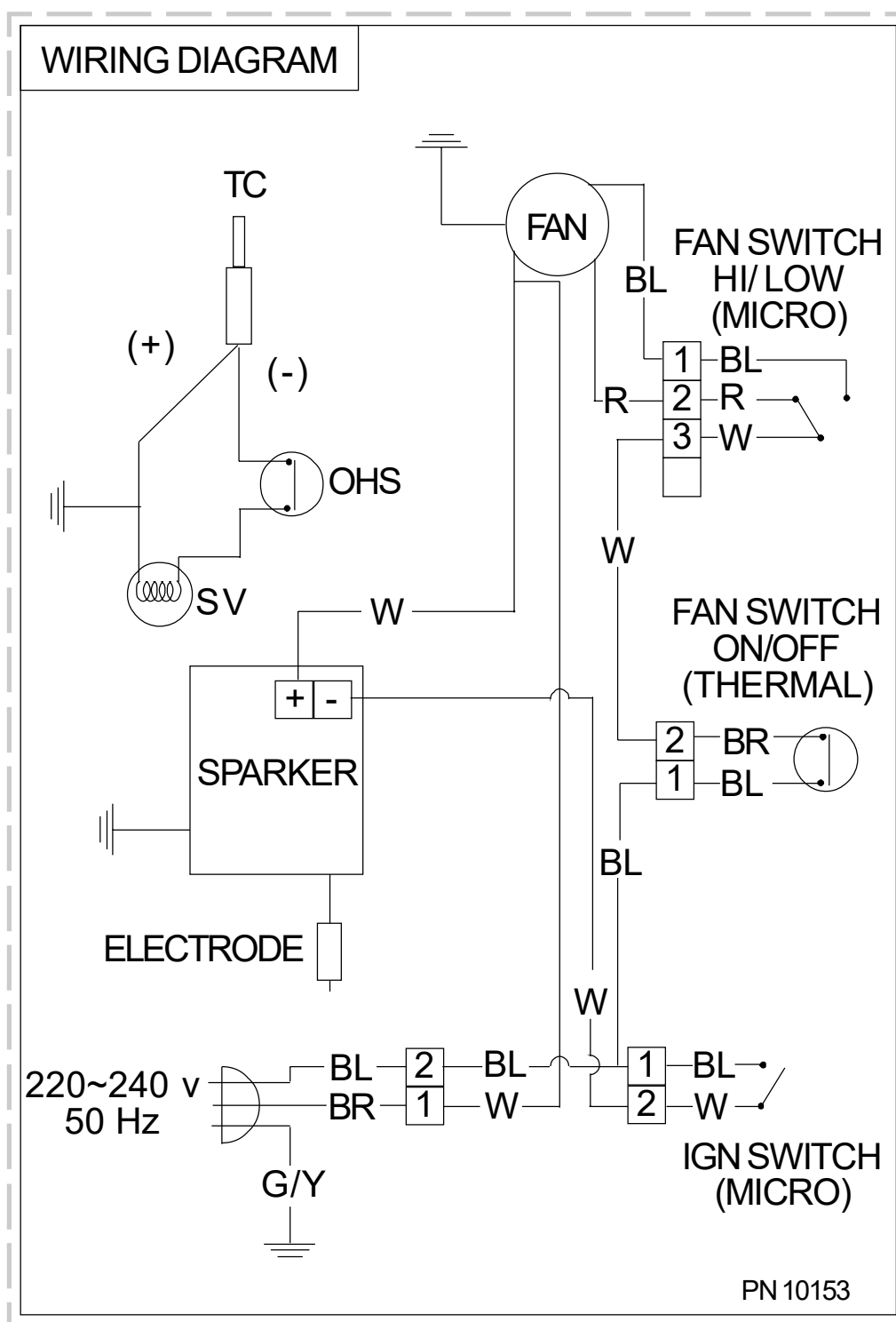
TABLE 2. DIMENSIONS

A	External Width	750
B	External Height	645
C	Internal Width	582
D	Internal Height	528
E	Internal Depth (Excluding Spigot)	275
F	Internal Depth (Including Spigot)	310
G	Fascia Depth	25
H	Total External Depth	45
I	Gas Connection Centre (from base of appliance)	280
J	Gas Connection Centre (from right side of appliance)	79
K	Gas Connection Depth (from front of engine)	43

All dimensions are in mm.



WIRING DIAGRAM



R	RED
BL	BLUE
BR	BROWN
W	WHITE
G/Y	GREEN YELLOW

OHS	OVER HEAT SWITCH
SV	SOLENOID VALVE
TC	THERMOCOUPLE

Rinnai Australia Pty Ltd

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100 Atlantic Drive, Keysborough, Victoria 3173
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Tel: (03) 9271 6625
Fax: (03) 9271 6622

National Help Line

Tel: 1300 555 545* Fax: 1300 555 655
Monday to Friday, 8.00 am to 5.00 pm EST.

**Cost of a local call higher from mobile or public phones.*

For further information visit **www.rinnai.com.au**
or email **enquiry@rinnai.com.au**

Rinnai has a Service and Spare Parts network with personnel who are fully trained and equipped to give the best service on your Rinnai appliance. If your appliance requires service, please call our National Help Line. Rinnai recommends that this appliance be serviced every 2 years.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.