

Installation and Operation Manual

Gas Range Static Oven

<u>Series</u>

RN8510G RNL8510G RN8610G RNL8610G RN8810G RNL8810G



Date Purchased

Serial Number

Dealer

Service Provider



MANUFACTURED BY

Moffat Limited

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Waldorf Gas Static Oven Range

RN(L)8510G RN(L)8610G RN(L)8810G	Gas Range Static Oven - 750 mm wide. Gas Range Static Oven - 900 mm wide. Gas Range Static Oven - 1200 mm wide.
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Introduction

We are confident that you will be delighted with your WALDORF GAS RANGE STATIC OVEN and it will become a most valued appliance in your commercial kitchen.

To ensure you receive the utmost benefit from your new Waldorf appliance, there are two important things you can do.

Firstly:

Please read the instruction book carefully and follow directions given. The time taken will be well spent.

Secondly:

If you are unsure of any aspect of installation, instructions or performance of your appliance, contact your BLUE SEAL dealer promptly. In many cases a phone call could answer your question.

CE Only:

These instructions are only valid if the country code appears on the appliance. If code does not appear on appliance, refer to supplier of this appliance to obtain technical instructions for adapting appliance to conditions for use in that country.



Warning

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, INJURY OR DEATH. READ THE INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS THOROUGHLY BEFORE INSTALLING OR SERVICING THIS APPLIANCE.



Warning

INSTRUCTIONS TO BE FOLLOWED IN THE EVENT THE USER SMELLS GAS ARE TO BE POSTED IN A PROMINENT LOCATION. THIS INFORMATION SHALL BE OBTAINED BY CONSULTING THE LOCAL GAS SUPPLIER.



Warning

GREAT CARE MUST BE TAKEN BY THE OPERATOR TO USE THE EQUIPMENT SAFELY TO GUARD IT AGAINST RISK OF FIRE.

- ☐ THE APPLIANCE MUST **NOT** BE LEFT ON UNATTENDED.
- IT IS RECOMMENDED THAT A REGULAR INSPECTION IS MADE BY A COMPETENT SERVICE PERSON TO ENSURE CORRECT AND SAFE OPERATION OF YOUR APPLIANCE IS MAINTAINED.
- DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPOURS OR LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.



Caution

- ☐This appliance is for professional use and is only to be used by qualified persons.
- **□**Only authorised service persons are to carry out installation, servicing or gas conversion operations.
- **□**Components having adjustments protected (e.g. paint sealed) by the manufacturer should not be adjusted by the user / operator.
- DO NOT operate the appliance without the legs supplied fitted.

Model Numbers Covered in this Specification

RN [1] 8510G [2]	Gas Range Static Oven, 4 Open Burners.
RN [1] 8513G [2]	Gas Range Static Oven, 2 Open Burners, 300mm Griddle.
RN [1] 8610G [2]	Gas Range Static Oven, 6 Open Burners.
RN [1] 8613G [2]	Gas Range Static Oven, 4 Open Burners, 300mm Griddle.
RN[1]8616G [2]	Gas Range Static Oven, 2 Open Burners, 600mm Griddle.
RN[1]8619G	Gas Range Static Oven, 900mm Griddle.
RN [1] 8810G [2]	Gas Range Static Oven, 8 Open Burners, 900mm, Storage Cabinet.
RN [1] 8813G [2]	Gas Range Static Oven, 6 Open Burners, 300mm Griddle, Storage Cabinet.
RN [1] 8816G [2]	Gas Range Static Oven, 4 Open Burners, 600mm Griddle, Storage Cabinet.
RN[1]8819G [2]	Gas Range Static Oven, 2 Open Burners, 900mm Griddle, Storage Cabinet.

NOTE:

[1]: - Back Options;

- Standard Models.

L - Low Back Models.

[2]: - Open Burner Options;

F - With Flame Failure Protection.

PF - With Pilot and Flame Failure Protection.

General

A heavy duty, general purpose gas range created for compact modular kitchens. It has a high option Cook Top / Griddle arrangement and is available on industrial adjustable feet or on robust rollers. Open Burners are available in either 'PF' (Pilot and Flame Failure) or 'F' (Flame Failure Only) options. Open Burner and Griddle options are fitted with individual flame failure for each open burner. Griddles are fitted with pilot, flame failure and piezo ignition as standard. Easy clean stainless steel external finish.

The oven is fitted with pilot and flame failure with piezo ignition and a 30MJ oven burner.

Gas Supply Requirements

- Non - CE Only:

	Natural Gas	LP Gas (Propane)	
Input Rate (N.H.G.C.) - each Open Burner	28 MJ/hr (26,540 Btu/hr)	28 MJ/hr (26,540 Btu/hr)	
- each 300 mm Griddle Section	21 MJ/hr (19,900 Btu/hr)	21 MJ/hr (19,900 Btu/hr)	
- Oven	30 MJ/hr (28,434 Btu/hr)	30 MJ/hr (28,434 Btu/hr)	
Supply Pressure	1.13 - 3.40 kPa (4.5" - 13.5" w.c.)	2.75 - 4.50 kPa (11" - 18" w.c.)	
Burner Operating Pressure	0.95 kPa (*) (3.7" w.c.)	2.6 kPa (*) (10" w.c.)	
Gas Connection	³ / ₄ " B.S.P. Male		

- CE Only

Appliance Classification

Category: II_{2H3P} (20, 30 / 37).

Flue Type: A_1 .

		Natural Gas (G20)		Propane (G31)			
		Open Burner (each)	Griddle (each 300mm section)	Oven	Open Burner (each)	Griddle (each 300mm section)	Oven
Heat Input	Nominal	6.5 kW	5.5 kW	8.0 kW	6.5 kW	5.5 kW	8.0 kW
(nett)	Reduced	1.75 kW	1.85 kW	2.4 kW	1.75 kW	1.95 kW	2.4 kW
Gas Rate	Nominal	0.69 m ³ /hr	0.58 m³/hr	0.85 m ³ /hr	0.51 kg/hr	0.43 kg/hr	0.62 kg/hr
(nett) R	Reduced	0.19 m ³ /hr	0.20 m ³ /hr	0.25 m ³ /hr	0.14 kg/hr	0.15 kg/hr	0.19 kg/hr
Supply Pre	ssure	20 mbar			30 / 37 mbar		
Operating	Pressure		9.5 mbar 26 mbar				
Gas Conne	ction	³/ ₄ " B.S.P. Male					

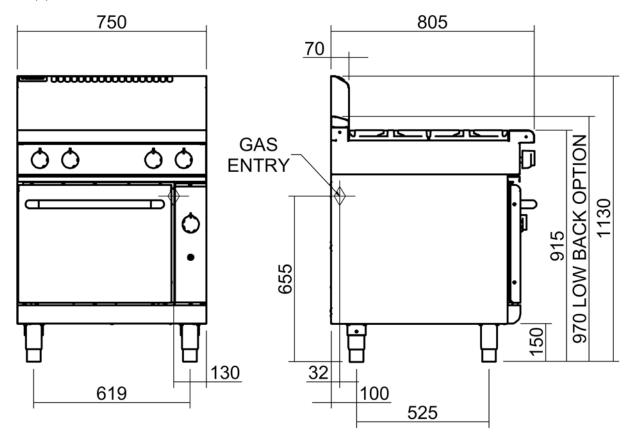
(*) Burner operating pressure is to be measured at manifold test point with <u>two burners</u> operating at full setting. Operating pressure is ex-factory set, through appliance regulator and is not to be adjusted, apart from when carrying out gas conversion, if required. (Refer to 'Gas Conversion' section for details).

Gas Connection

Gas supply connection point is located at rear of appliance, approximately 130mm from right hand side, 32mm from rear and 655mm from floor and is reached from beneath appliance. (Refer to 'Dimensions' section).

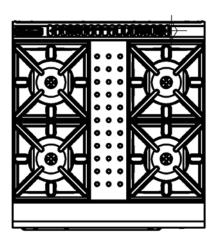
Connection is 3/4" BSP male thread.

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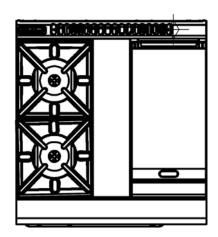


Cook Top Options

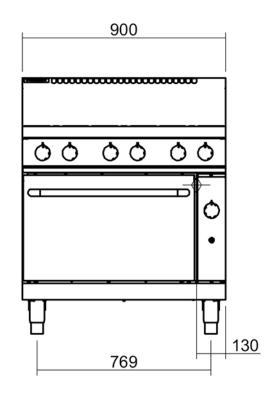
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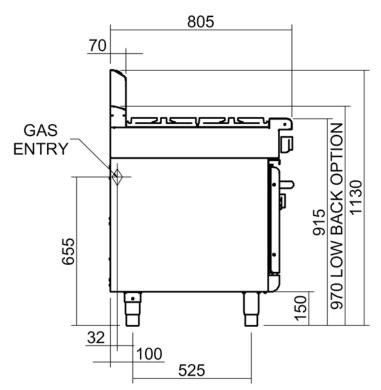


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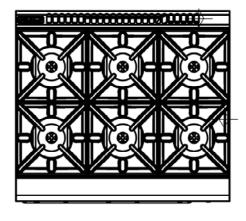
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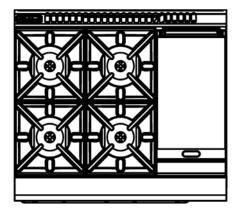


Cook Top Options

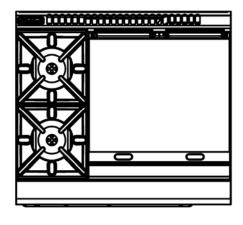
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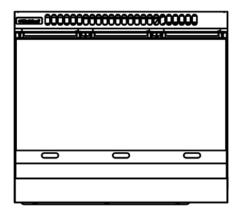
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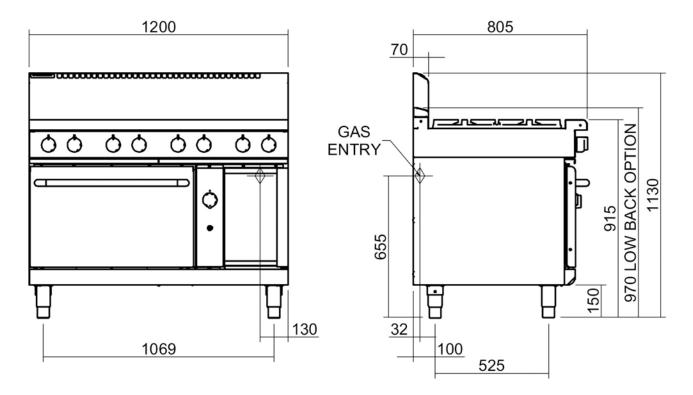
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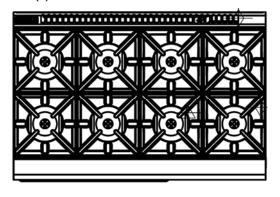


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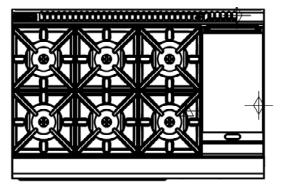


Cook Top Options

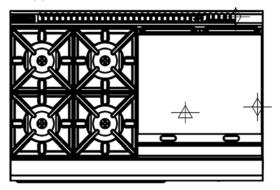
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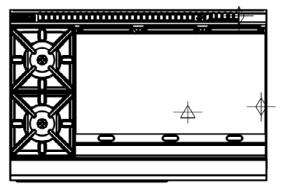
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RN(L)8816G



RN(L)8819G



Installation Requirements

NOTE:

□It is most important that this appliance is installed correctly and that operation is correct before use. Installation shall comply with local gas and health and safety requirements.

□This appliance shall be installed with sufficient ventilation to prevent the occurrence of unacceptable concentrations of health harmful substances in the room, the appliance is installed in.

Waldorf Gas Range Static Ovens are designed to provide years of satisfactory service, and correct installation is essential to achieve the best performance, efficiency and trouble-free operation.

This appliance must be installed in accordance with National installation codes and in addition, in accordance with relevant National / Local codes covering gas and fire safety.

AUSTRALIA: - AS 5601 - Gas Installations. NEW ZEALAND: - NZS 5261 - Gas Installation.

UNITED KINGDOM: - Gas Safety (Installation & Use) Regulations 1998.

BS 6173
BS 5440 1 & 2
Installation of Catering Appliances.
Installation Flueing & Ventilation.

IRELAND: - IS 820 - Non - Domestic Gas Installations.

Installations must be carried out by authorised persons only. Failure to install equipment to the relevant codes and manufacturer's specifications shown in this section will void the warranty.

Components having adjustments protected (e.g. paint sealed) by the manufacturer are only to be adjusted by an authorised service agent. They are not to be adjusted by the installation person.

Unpacking

□ Remove all packaging and a	transit protection	from appliance	including all	protective	plastic c	oating
from exterior stainless steel	panels.					

- ☐ Check equipment and parts for damage. Report any damage immediately to carrier and distributor.
- ☐ Report any deficiencies to distributor who supplied the appliance.
- ☐ Check available gas and electrical supply is correct to that shown on rating plate located on front right hand corner of bottom sill.

Location

1. Installation must allow for sufficient flow of fresh air for combustion air supply.

Combustion Air Requirements:				
RN8510G RN8610G RN8810G				
Natural Gas (G20)	33 m³/hr	45 m ³ /hr	57 m ³ /hr	
LPG / Propane(G31)	34 m³/hr	47 m³/hr	59 m ³ /hr	

- 2. Installation must include adequate ventilation means, to prevent dangerous build up of combustion products.
- 3. Never directly connect a ventilation system to appliance flue outlet.
- 4. Any gas burning appliance requires adequate clearance and ventilation for optimum and trouble-free operation. Minimum installation clearances shown overleaf are to be adhered to.
- 5. Position appliance in its approximate working position.
- 6. All air for burner combustion is supplied from beneath appliance. Legs must always be fitted and no obstructions placed on underside or around base of appliance, as obstructions will cause incorrect operation and / or failure of appliance.

NOTE: Do not obstruct or block the appliances flue. Never directly connect a ventilation system to appliance flue outlet.

Clearances

NOTE: Only non-combustible materials can be used in close proximity to this appliance.

	Combustible Surface	Non Combustible Surface
Left / Right hand side	250 mm (*)	0 mm
Rear	100 mm	0 mm

^{*} Side clearances can be 50mm when adjacent surface is at least 100mm below cooking surface.

Assembly

NOTE:

- **MAII** Models are delivered completely assembled. No further assembly is required.
- □This appliance is fitted with adjustable feet to enable appliance to be positioned securely and level. This should be carried out on completion of gas connection. Refer to 'Gas Connection' section.

Optional Accessories (Refer to Replacement Parts List)

- ☐ Rear Roller Kit. For installation details, refer to instructions supplied with each kit.
- ☐ Plinth Kit. For installation details, refer to instructions supplied with each kit.
- 1. Check all feet (or castors) are securely fitted.
- 2. Adjust feet to make Range steady and level.

Gas Connection

NOTE: ALL GAS FITTING MUST ONLY BE CARRIED OUT BY AN QUALIFIED PERSON.

- 1. Waldorf Gas Range Static Ovens do not require an electrical connection, as they function totally on the gas supply only.
- 2. It is essential that gas supply is correct for appliance to be installed and that adequate supply pressure and volume are available. The following checks should be made before installation:
 - a. Gas Type the appliance has been supplied for, is shown on coloured stickers located above gas connection point and on rating plate. Check this is correct for gas supply appliance is being installed for. Gas conversion procedure is shown in this manual.
 - b. **Supply Pressure** required for this appliance is shown in 'Specifications' section of this manual. Check gas supply to ensure adequate supply pressure exists.
 - c. Input Rate of this appliance is shown on Rating Plate and in 'Specifications' section of this manual. Input rate should be checked against available gas supply line capacity. Particular note should be taken if appliance is being added to an existing installation.



NOTE: It is important that adequately sized piping runs directly to connection joint on appliance with as few tees and elbows as possible to give maximum supply volume.

3. Fit gas regulator supplied, into gas supply line as close to appliance as possible.

NOTE: Gas pressure regulator provided with this appliance is convertible between Natural Gas and LPG as per 'Gas Conversion Section' in this manual.

Ensure regulator is converted to correct gas type that appliance will operate on.

Regulator outlet pressure is fixed ex-factory for gas type that regulator is converted to and it is NOT to be adjusted.

Regulator connections are ³/₄" BSP female.

Connection to appliance is ³/₄" BSP male.

(Refer to 'Specifications' section for gas supply location dimensions).

NOTE: A Manual Isolation Valve must be fitted to the individual appliance supply line.

- 4. Correctly locate appliance into its final operating position and using a spirit level, adjust legs so that appliance is level and at correct height.
- 5. Connect gas supply to appliance. A suitable joining compound which resists breakdown action of LPG must be used on every gas line connection, unless compression fittings are used.
- 6. Check all gas connections for leakages using soapy water or other gas detecting equipment.



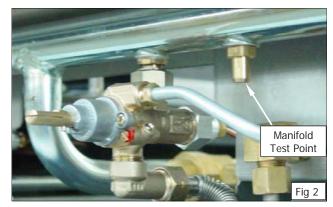
Warning

DO NOT USE A NAKED FLAME TO CHECK FOR GAS LEAKAGES.

7. Check gas operating pressure is as shown in 'Specifications' section.

NOTE: Operating pressure is to be measured at manifold test point and with <u>2 burners</u> operating at 'High Flame' setting.

- 8. Turn 'Off' mains gas supply and bleed gas out of appliance gas lines.
- 9. Turn 'On' gas supply and appliance.
- 10. Verify operating pressure remains correct.



Commissioning

- 1. Before leaving new installation;
 - a. Check following functions in accordance with operating instructions specified in 'Operation' section of this manual.
 - ☐ Lighting the Griddle.
 - □ Lighting the Open Burners (F Flame Failure Option).
 - □ Lighting the Open Burners (PF Pilot and Flame Failure Option).
 - ☐ Check the Low Fire burner operation.
 - ☐ Light the Oven Pilot and Main Burners.
 - ☐ Check the Oven Main Burner Thermostat operation.
 - ☐ Turning the Oven to 'Stand-By' Mode.
 - □ Oven 'Shut Down'.
 - b. Ensure operator has been instructed in areas of correct lighting, operation, and shutdown procedure for appliance.
- This manual must be kept by the owner for future reference, and a record of *Date of Purchase*, *Date of Installation* and *Serial Number of Appliance* recorded and kept with this manual. (These details can be found on Rating Plate attached to bottom right hand corner of bottom sill. Refer to 'Gas Connection' section).

NOTE: If for some reason it is not possible to get appliance to operate correctly, shut off gas supply and contact supplier of this appliance.

Operation Guide

persons.

conversion operations.

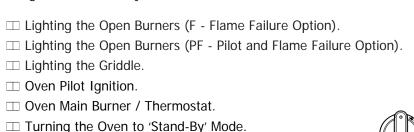


1. Waldorf appliances have been designed to provide simplicity of operation and 100% safety protection.

manufacturer should not be adjusted by the user / operator.

2. Improper operation is almost impossible, however bad operation practices can reduce the life of the appliance and produce a poor quality product. To use this appliance correctly please read the following sections carefully:-

Components having adjustments protected (e.g. paint sealed) by the



Description of Controls

□ Oven 'Shut-Down'.



Gas Control Knobs

Griddle Option

Burner Control

- OFF Position
- A PILOT Burner
- LOW Flame

Piezo Igniter (Griddles Only)

Open Burner Option

- OFF Position
- **HIGH Flame**
- LOW Flame
- Rear Burner
- Front Burner

(Indicators are located above the Gas Control Knobs).

Oven Option

- OFF Position
- A PILOT Burner

Temperature Graduations 100°C to 290°C

Piezo Igniter (Oven)

Open Burners

NOTE: Only cooking pans from size Ø 150 mm to Ø 420 mm are suitable fo use on these open burners.

Flame Failure Option (F-Models)

Lighting the Open Burners

Flame Failure Protection is incorporated for each burner by way of a thermo-electric system which will shut off gas supply to that burner in event that burner goes out, so that un-burnt gas is not expelled.

- a. Select burner required, depress and turn corresponding gas control knob anti-clockwise to 'HIGH' position.
- b. With gas control knob depressed, manually light burner.
- c. Release gas control knob after approximately 10-20 seconds after lighting burner.
- d. Burner should stay alight if not, repeat Steps (a to (c above.
- e. To achieve simmer control, depress gas control knob and rotate between 'HIGH' and 'LOW' positions to achieve temperature required.

Turning 'OFF' the Open Burners

a. When main burner is not required, depress and turn gas control knob clockwise back to 'OFF' position. 'MAIN' burner will extinguish.

Pilot and Flame Failure Option (PF-Models)

Lighting the Open Burners

These hobs are fitted with individual standing pilots for each open burner which allows main burners to be turned 'ON' - 'OFF' without having to manually re-light burner each time that it is turned 'ON', as burner will automatically light itself off pilot burner.

Flame Failure Protection is incorporated for each burner by way of a thermo-electric system which will shut off gas supply to that burner in event that burner goes out, so that un-burnt gas is not expelled.

- a. Select burner required, depress and turn corresponding gas control knob anti-clockwise to "Pilot" position.
- b. With gas control knob depressed, manually light pilot burner.
- c. Release gas control knob after approximately 10-20 seconds after lighting pilot burner.
- d. Pilot burner should stay alight if not, repeat Steps (a to (c above.
- e. 'Full Flame' can now be achieved by depressing and rotating gas control knob anti-clockwise to first stop 'HIGH' flame position.
- f. Low flame can be achieved by depressing gas control knob and rotating fully anti-clockwise to 'LOW' flame position.
- g. To achieve simmer control, depress gas control knob and rotate between 'HIGH' and 'LOW' positions to achieve temperature required.

Turning 'OFF' the Open Burners / Pilots

- a. To turn 'OFF' main burner, but keep pilot burner alight, rotate gas control knob to 'Pilot' position. Main burner will extinguish and pilot will remain alight.
- b. To turn 'OFF' 'Pilot Burner', depress and turn gas control knob clockwise back to 'OFF' position. 'PILOT' burner will extinguish.

Griddle



Griddle plate temperature reaches over 300°C in hottest points during normal operation at 'Full Flame' setting.

Lighting the Griddle

- a. Depress gas control knob and rotate anti-clockwise to 'Pilot' position.
- b. With gas control knob depressed, press piezo ignition button to ignite pilot burner. Repeat Items 1 to 2 until pilot is lit.
- c. Release gas control knob approximately 10-20 seconds after lighting pilot.
- d. Pilot should now remain alight if not, repeat Steps (a to (c above.
- e. 'Full Flame' can now be achieved by depressing and rotating gas control knob anti-clockwise to first stop.
- f. Low flame can be achieved by depressing gas control knob and rotating fully anti-clockwise to 'Low Flame' position.
- g. When main burner is not required, depress and turn gas control knob clockwise to 'OFF' position.

Turning 'OFF' the Griddle Burner / Pilot

- a. To turn griddle 'OFF', but keep pilot burner alight, rotate gas control knob to 'Pilot' position. Griddle burner will extinguish and pilot will remain alight.
- b. To turn 'OFF' 'Pilot, depress and turn gas control knob clockwise back to 'OFF' position. 'Pilot' burner will extinguish.

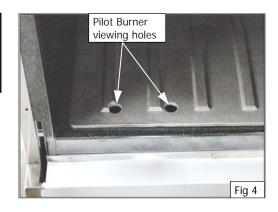
Lighting the Oven Pilot Burner

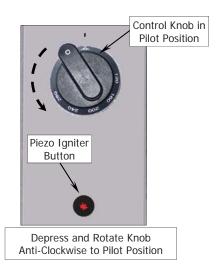
! IMPORTANT

DO NOT USE aluminium foil or trays directly on cast iron sole plate(s). NEVER block or cover openings on each side of sole plate(s).

This oven is fitted with a pilot as a standard option and flame failure protection, which is incorporated by way of a thermo-electric system for the main burner. Flame failure protection will shut off gas supply to burner in the event that pilot burner goes out, so that un-burnt gas is not expelled. *This is an important safety feature which is slowly becoming law throughout the world*.

- Open oven door. Partially depress thermostat control knob whilst turning <u>anti-clockwise</u> to 'Pilot' position. DO NOT fully depress Control Knob whilst trying to rotate anti-clockwise as Knob and Gas Valve will be damaged.
- With thermostat control knob in 'Pilot' position, keep knob depressed whilst pressing piezo igniter button. (Each press of piezo igniter button will generate a single spark).
- 3. Hold in thermostat control knob for approx. 10-20 seconds, then release. Pilot burner should remain alight. (If pilot does not light, repeat Items 1 to 3 above).
- 4. View oven pilot burner through holes in front of sole plate with oven door open.





Lighting the Oven Main Burner

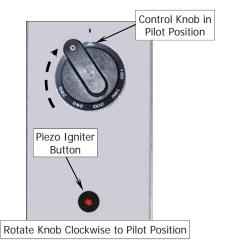
- 1. Ensure pilot burner is alight.
- 2. Rotate thermostat control knob <u>anti-clockwise</u> to desired temperature marked on knob.
- 3. Main burner will now ignite automatically, from pilot burner.



Turning the Oven to 'Stand-by' (Pilot 'ON' Only)

NOTE: DO NOT attempt to rotate Thermostat Control Knob anti-clockwise back to 'Pilot' position as Knob and Gas Valve will be damaged.

 Rotate thermostat control knob <u>clockwise</u> to 'Pilot' position. Main burner will extinguish and pilot burner will remain alight.



Oven 'Shut-Down'

NOTE: DO NOT attempt to rotate Thermostat Control Knob anti-clockwise back to 'O' Off position as Knob and Gas Valve will be damaged.

To turn 'Off' oven completely, partially depress
thermostat control knob whilst turning clockwise to 'O'
Off position, pilot burner will extinguish. DO NOT fully
depress Thermostat Control Knob whilst trying to
rotate clockwise to Off position as Knob and Gas
Valve will be damaged.



IMPORTANT:

Should any abnormal operation like;

- ignition problems,
- abnormal burner flame,
- burner control problems,
- partial or full loss of burner flame in normal operation, be noticed, appliance requires IMMEDIATE service by a qualified service person and should not be used until such service is carried out.

General



Caution

Always turn off the gas supply before cleaning.

This appliance is not water proof.

Do not use water jet spray to clean interior or exterior of this appliance.

Clean the range regularly. A clean range looks better, will last longer and will perform better. Carbonised grease on surface or between trivets, griddle plates will hinder transfer of heat from cooking surface to food. This will result in loss of cooking efficiency.

NOTE: Each griddle option can be supplied with a scraper tool and a pack of blades for cleaning griddle surface. These are not supplied with griddle and have to be purchased separately. Refer to 'Replacement Parts List' at rear of this manual.



Warning

THE BLADES FITTED TO THE SCRAPER TOOL ARE EXTREMELY SHARP AND ARE TO BE USED WITH CARE.

<u>DO NOT use water on trivets, burners and griddle plates while these items are still hot as warping and cracking may occur. Allow these items to cool down and then remove for cleaning.</u>

The entire trivets, griddle plates and burner caps can be dismantled for cleaning.

NOTE:

□DO NOT use abrasive detergents, strong solvents or caustic detergents as they could corrode or damage the range.

□ In order to prevent rust forming on trivets, griddle plate (If fitted) and burners, ensure that any detergent or cleaning material has been completely removed after each cleaning. Appliance should be switched 'On' briefly to ensure griddle plates become dry. Oil or grease should be spread over griddle surface in order to form a thin protective greasy film.

To keep your range clean and operating at peak efficiency, follow procedures shown below:-

After Each Use

1. Clean griddle with a scraper tool to remove any food debris.



Caution

Always ensure that even pressure is applied over whole surface of scraper tool when using on flat surface of griddle, to prevent scoring of griddle surface.

NEVER bang sharp edge of scraper tool on flat surface of griddle as this will damage griddle and invalidate the warranty.

- 2. Always ensure that scraper tool blades are changed regularly to ensure that scraper tool works efficiently and prevents damage to griddle plate surface.
- 3. Clean range castings with a stiff nylon brush or a flexible spatula to remove any food debris.

Cleaning and Maintenance

Daily Cleaning

- 1. Grease / spill trays should be checked and emptied frequently to prevent overflow and spillage. Remove grease drawer while still warm so that grease is in a liquid state. Empty any grease from drawer and wash thoroughly in same manner as any cooking utensil.
- 2. Remove burner caps and bases, trivets and thoroughly clean splash back, interior and exterior surfaces of range with hot water, a detergent solution and a soft scrubbing brush.
- 3. Brush griddle surface (optional if fitted) with a soft bristled brush. Any carbon deposits should be removed using a scraper tool followed by wiping with a cloth to prevent build up of food deposits.
- 4. Dry range thoroughly with a dry cloth and polish with a soft dry cloth.

Weekly Cleaning

NOTE:

□ If range usage is very high, we recommend that weekly cleaning procedure is carried on a more frequent basis.	l out
□Ensure that protective gloves are worn during cleaning process.	
\Box DO NOT use harsh abrasive detergents, strong solvents or caustic detergents as they damage range and burners.	/ will
□DO NOT use water on trivets, griddle plates and burners while they are still hot as crac may occur. Allow these items to cool and remove for cleaning.	king
□DO NOT clean burners in a dishwasher.	

Range Cooking Area

- a. Clean the range cooking area using a soft cloth moistened with a mild detergent and hot water solution.
- b. Baked on deposits or discolouration may require a good quality stainless steel cleaner or stainless steel wool. Always apply cleaner when appliance is cold and rub in direction of grain.
- c. It should not be necessary to remove splash guards covering burner manifolds for cleaning purposes. These can be cleaned in situ.
- d. Remove grease tray and clean with a mild anti bacterial detergent and hot water solution using a soft bristled brush. Clean control panel with a damp cloth moistened with a solution of mild detergent and water.
- e. Dry the grease tray thoroughly with a dry cloth.

Griddle Plate - (Steel)



Caution

Always ensure that an even pressure is applied over whole surface of scraper tool when using on flat surface of griddle, to prevent scoring of griddle surface.

NEVER bang sharp edge of scraper tool on flat surface of griddle as this will damage griddle and invalidate the warranty.

NOTE: In order to prevent rust forming on griddle plate, ensure detergent or cleaning material has been entirely removed after each cleaning process. Appliance should be switched on briefly to ensure griddle plates become dry. Oil or grease should be spread over griddle surface in order to form a thin protective greasy film.

- a. Remove and clean grease / spill trays frequently to prevent over spills.
- b. Clean griddle surface thoroughly with optional scraper tool or a wire brush. Use a griddle stone or a scotch bright pad on griddle surface to remove stubborn or accumulated carbon deposits.
- c. A scraper tool can be used to remove stubborn carbon and deposits.
- d. Occasionally bleach griddle plate with vinegar when plate is cold.
- e. Clean with hot water, a mild detergent solution and a scrubbing brush. Dry all components thoroughly with a dry cloth.
- f. Switch griddle 'On' briefly to ensure that griddle plate is dry. Spread a thin smear of cooking oil over griddle to form a protective film.

Trivets and Burners

- a. Remove trivets from top of appliance, taking note that trivets are manufactured with a lip on one edge, lip must always be fitted to outer edge (front and back) of range. (See Fig 10).
- b. Remove burner cap and burner bowl (these are a loose fit to manifold, see Fig 5) from top of gas manifold, taking care not to damage thermocouple (and pilot tube PF Option) fitted through manifold splash guard. (Refer to Fig 8 for 'F' Option and Fig 9 for 'PF' Option).
- c. Trivets and burners should be cleaned with a mild detergent and hot water solution using a soft bristled brush. Dry thoroughly with a dry cloth.

Trivet Supports

- a. Remove all trivet supports from top of appliance. Note orientation of trivet support when removing. Trivet support front end side rail profiles are different from rear end side rail profiles. (See Note shown at Item a, in 'Re-Fitting the Components to the Range' on following page and Fig 6).
- b. Trivet supports should be cleaned with a mild detergent and hot water solution using a soft bristled brush.
- c. Dry trivet supports thoroughly with a dry cloth.

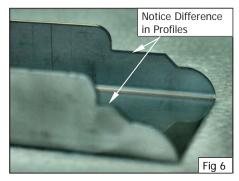
Stainless Steel Surfaces

- a. With griddle plates and burners removed, clean interior and exterior surfaces of range with hot water, a mild detergent solution and a soft scrubbing brush. Note that gas control knobs are a push fit onto gas control valve spindles and can be removed to allow cleaning of front control panel.
- Baked on deposits or discolouration may require a good quality stainless steel cleaner or stainless steel wool.
 Always apply cleaner when appliance is cold and rub in direction of grain.
- c. It should not be necessary to remove splash guards covering burner manifolds for cleaning purposes. These can be cleaned in situ.
- d. Dry all components thoroughly with a dry cloth and polish with a soft dry cloth.
- e. To remove any discolouration, use an approved stainless steel cleaner or stainless steel wool. Always rub in direction of grain.
- f. Remove grease tray and clean with a mild anti bacterial detergent and hot water solution using a soft bristled brush.
- g. Dry grease tray thoroughly with a dry cloth.
- h. Dry all components thoroughly with a dry cloth and polish with a soft dry cloth.

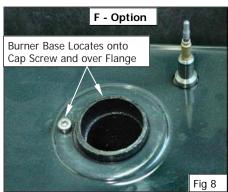
Re-Fitting the Components to the Range

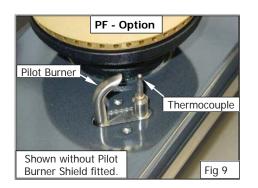
a. Refit trivet supports to range, ensuring that these are correctly fitted.





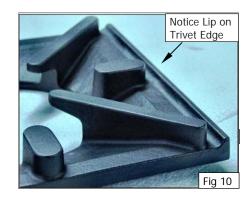






NOTE: It is imperative that trivet supports are correctly re-fitted to appliance to ensure that trivets locate correctly and sit flush and level. NOTE that trivet support front end side rail profiles are different at either side (Refer to Fig 6) and only one of side rails seat into cut-out in range, whereas rear end of trivet support side rail profiles are same and have 2 locating cut-outs.

b. Refit burner bowl onto manifolds protruding through splash guards, taking care not to damage thermocouple (and pilot tube - PF Option) which is close to manifold.



NOTE: Burner bowl (cast item) has 2 locating holes drilled into base flange (See Fig 7) these are to locate burner bowl onto cap screw on gas manifold when re-fitting burner bowl onto gas manifold (Refer to Fig 8 {F-Option} and Fig 9 {PF-Option}).

- c. Refit burner caps (cast brass) onto burner bowls already fitted to manifold. Burner cap is a loose fit into burner bowl.
- d. Refit trivets to cook top, taking note that trivets are manufactured with a lip on one edge, lip must always be fitted to outer edge (front and back) of range. (See Fig 10).
- e. Refit grease / spill tray(s) to range.

Oven Interior

- a. Do not use wire brushes, steel wool or other abrasive materials to clean oven interior.
- b. Clean oven regularly with a good quality domestic oven cleaner.
- c. Weekly, remove and clean any built up of grease etc. from oven racks and bottom spill cover.
- d. Dry oven thoroughly with a dry cloth and polish with a soft dry cloth.

Periodic Maintenance

NOTE: All maintenance operations should only be carried out by a qualified service person.

To achieve the best results cleaning must be regular and thorough and all controls and mechanical parts should be checked and adjusted periodically by a qualified service person. If any small faults occur, have them attended to promptly. Don't wait until they cause a complete breakdown. It is recommended that the appliance is serviced every 6 months.

Gas Control Valve Re-Greasing

Gas control valve should be dismantled and greased every 6 months to ensure correct operation.

To carry out this operation;-

- a. Remove gas control knobs from gas tap spindles by pulling knobs away from control panel.
- b. Remove drip tray from appliance.
- c. Remove two screws on underside of control panel, securing control panel to hob.
- d. Remove control panel from front of appliance.
- e. Remove 2 screws holding shaft plate to gas control body and remove control shaft and plate. (See Fig 11). Note orientation of shaft for re-assembly.
- f. Using needle nose pliers or similar, pull out gas control spindle, again noting its orientation.
- g. Apply a suitable high temperature gas cock grease or lubricant such as ROCOL - A.S.P (Anti scuffing paste) / Dry Moly Paste to outside of spindle. (See Fig 12).
- h. Replace spindle and re-assemble gas control in reverse order.
- i. Refit the control panel to the appliance and secure with 2 screws.
- j. Refit knobs to gas control valve spindles.





your appliance. The fault finding guide in this section is intended to help you correct, or at least accurately diagnose problems with your equipment.

Although this section covers most common problems reported, you may encounter a problem not covered in this section. In such instances, please contact your local authorised service agent who will make every effort to help you identify and resolve the problem. Please note that the service agent will require the following information:-

Fault	Possible Cause	Remedy	
Pilot will not light.	No gas supply.	Ensure gas isolation valve is turned on, and bottles are not empty.	
	Blocked pilot injector.	Call service provider.	
Pilot goes out when gas control knob released.	Releasing knob before thermo- couple has heated.	Hold knob in for at least 20 seconds following ignition of pilot.	
	Pilot flame too small Gas pressure too low Partially blocked pilot injector.	Clean or replace pilot injector.	
	Thermocouple connection to gas control is loose or faulty.	Tighten thermocouple connection.	
	Thermocouple faulty.	Check thermo couple is producing between 20-30mV.	
	Electromagnet in rear of gas control unit is faulty.	Inspect and replace if not in good working order.	
		Call service provider.	
Main burner will not light.	Incorrect supply pressure.	Call service provider.	
	Faulty gas control.	Call service provider.	
Piezo Ignition spark is being	HT lead damaged or broken.	Repair or replace HT lead.	
generated but not sparking from ignition electrode to pilot burner hood. (Griddle and Oven options only)	Check ignition electrode is not cracked and is correctly positioned.	Re-position or replace ignition electrode.	
	Piezo igniter faulty.	Replace piezo igniter.	
		Call service provider.	

NOTE: Components having adjustments protected (e.g. paint sealed) by the manufacturer, are only to be adjusted by an authorised service agent. They are not to be adjusted by an unqualified service person.

Conversion Procedure



Caution

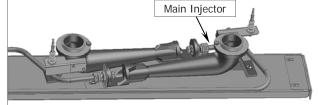
Ensure that the Appliance is isolated from the gas supply before commencing servicing.

NOTE:

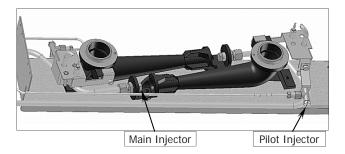
- ☐ These conversions should only be carried out by qualified persons. All connections must be checked for leaks before re-commissioning the appliance.
- □Adjustment of components that have adjustments / settings sealed (e.g. paint sealed) can only be adjusted in accordance with the following instructions and shall be re-sealed before re-commissioning this appliance.
- **□**For relevant gas specifications refer to 'Gas Specifications Tables' at end of this section.

Open Burners.

- Remove the following:-
 - ☐ Trivets burner caps and burner bowls. Take care not to damage thermocouples.
 - ☐ Trivet supports, *(pilot shields PF options only)*, splash guards.
- 2. Remove injectors and replace with correct size injectors as shown in 'Gas Specifications Tables' at end of this section.
 - ☐ For F Options Only, Unscrew and remove main injectors.



☐ For PF Options Only, Unscrew and remove main injectors and pilot injectors.



- 3. Refit the following:-
 - ☐ Splash guards, (pilot shields PF options only).
 - ☐ Trivet supports, trivets, burner caps and burner bowls.
- 4. Re-light main burners and check flame size on simmer (LOW) position.
 - □Adjust low fire adjustment screw on open burner gas control valves to obtain desired flame size.

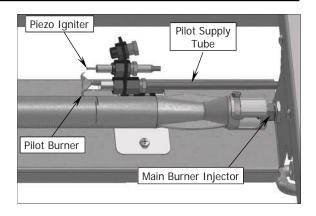
NOTE: The 'Low Fire Screw' should be sealed with coloured paint on completion of low fire adjustment.



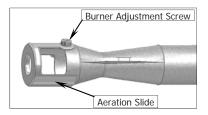
Gas Conversion and Specifications

Griddle

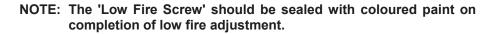
- 1. Carry out the following:-
 - ☐ Remove griddle plate section and heat shield.
 - □ Remove main burner.
 - ☐ Disconnect piezo igniter from mounting bracket. (For access purposes).
 - ☐ Disconnect pilot supply tube from pilot burner to access pilot injector.



- 2. With Main Burner removed, ensure aeration gap is adjusted for type of gas being used as shown in 'Gas Specifications Tables' at end of this section.
- 3. Remove pilot and main injectors and replace with correct size injectors as shown in 'Gas Specifications Tables' at end of this section.



- 4. Refit the following:-
 - ☐ Re-connect pilot supply tube to pilot burner.
 - ☐ Re-connect piezo igniter to mounting bracket.
 - ☐ Refit main burner, gas control heat shield and griddle plate to cooktop.
- 5. Re-light main burners and check flame size on 'Low' flame position.
 - □Adjust low fire adjustment screw on open burner gas control valves to obtain desired flame size.





Gas Conversion and Specifications

Static Oven

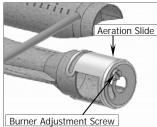
- 1. Carry out the following:-
 - ☐ Remove lower lintel at front of oven.
 - ☐ Open oven door and remove sole plate(s).
 - □ Remove main burner.
 - ☐ Remove thermocouple and piezo igniter from mounting bracket. (For access purposes).
 - ☐ Disconnect pilot supply tube from pilot burner to access pilot injector.
- Piezo Igniter
 Thermocouple

 Main Burner

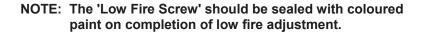
 Main Burner

Pilot Burner

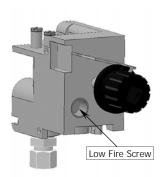
- 2. With Main Burner removed, ensure aeration gap is adjusted for type of gas being used as shown in 'Gas Specifications Tables' at end of this section.
- 3. Remove pilot and main injectors and replace with correct size injectors as shown in 'Gas Specifications Tables' at end of this section.



- 4. Refit the following:-
 - ☐ Re-connect pilot supply tube to pilot burner.
 - ☐ Re-connect piezo igniter and thermocouple to mounting bracket.
 - ☐ Refit main burner and sole plate(s).
- 5. To Replace the low fire screw in the gas valve:-
 - □ Remove the oven control panel.
 - ☐ Remove low fire screw from gas valve and replace with correct size low fire screw as shown in 'Gas Specifications Tables' at end of this section.

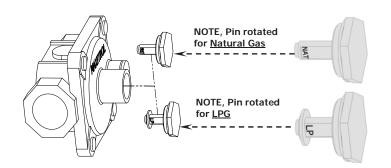


 \square Refit the oven control panel.



Gas Regulator

NOTE: The gas regulator supplied is convertible between Natural Gas and LP Gas, but it's outlet pressure is fixed ex-factory and is NOT to be adjusted.



Gas Type Identification Label

On completion of gas conversion, replace gas type identification label located at:-

- Rear of appliance, above gas connection.
- Beside the rating plate.

Commissioning

Before leaving the installation;

1. Check all gas connections for leakage using soapy water or other gas detecting equipment.



Warning

DO NOT USE A NAKED FLAME TO CHECK FOR GAS LEAKAGES.

- 2. Carry out a 'Commissioning' check of appliance as shown in Installation Section of this manual.
- 3. Ensure any adjustments done to components that have adjustments / settings paint sealed are to be re-sealed.

Gas Specifications

- Australia / New Zealand Only:

		Natural. Gas	LP Gas (Propane)
Onon Burnor	Main Burner Injectors	Ø 2.45 mm	Ø 1.50 mm
Open Burner	Pilot Burner ('PF' Option Only)	0.30	0.20
	Main Burner	Ø 2.10 mm	Ø 1.30 mm
Griddle	Pilot Burner	0.35	0.23
	Burner Aeration Setting	Fully Open	Fully Open
0	Main Burner	Ø 2.60 mm	Ø 1.60 mm
	Pilot Burner	0.35	0.23
Oven	Low Fire	Ø 1.5 mm	Ø 0.95 mm
	Burner Aeration Setting	Fully Open	Fully Open
Supply P	ressure	1.13 - 3.40 kPa	2.75 - 4.50 kPa
Operating Pressure		0.95 kPa (*)	2.6 kPa (*)
Gas Regulator Cap Screw		LP	NAT

- UK Only:

Appliance Classification

Category: II_{2H3P} (20, 30 / 37).

Flue Type: A₁.

		Natural. Gas (G20)	Propane (G31)	
Open Burner	Main Burner Injectors	Ø 2.30 mm	Ø 1.40 mm	
Open Burner	Pilot Burner ('PF' Models Only)	0.30	0.20	
	Main Burner	Ø 2.10 mm	Ø 1.30 mm	
Griddle	Pilot Burner	0.35	0.23	
	Burner Aeration Setting	Fully Open	Fully Open	
	Main Burner	Ø 2.60 mm	Ø 1.60 mm	
0	Pilot Burner	0.35	0.23	
Oven	Low Fire	Ø 1.5 mm	Ø 0.95 mm	
	Burner Aeration Setting	Fully Open	Fully Open	
Supply P	ressure	20 mbar	30 / 37 mbar	
Operating Pressure		9.5 mbar (*)	26 mbar (*)	
Gas Regulator Cap Screw		LP	MAT	

^{* -} Measure burner operating pressure at manifold test point with <u>two burners</u> operating at full setting. Operating pressure is ex-factory set, through appliance regulator and is not to be adjusted, apart from when carrying out Gas Conversion, if required. (Refer to 'Gas Conversion' section for details).

Replacement Parts List

IMPORTANT:

Only genuine authorized replacement parts should be used for servicing and repair of this appliance. Instructions supplied with parts should be followed when replacing components.

For further information and servicing instructions, contact your nearest authorized service branch (contact details are as shown on reverse of front cover of this manual).

When ordering replacement parts, please quote part number and description as listed below. If part required is not listed below, request part by description and quote model number and serial number which is shown on rating plate.

Cook Top

Open Burners

227018 227017	Burner Bowl. Burner Cap.			
030245 030150	Injector Injector	(Nat. Gas) (LP Gas [Propane])	Ø 2.45mm. Ø 1.50mm.	
030230 030140	Injector Injector	(Natural Gas - G20) (Propane - G31)	Ø 2.30mm Ø 1.40mm	(UK Only). (UK Only).
026134 026136	Pilot Injector Pilot Injector	(Nat Gas) (LP Gas [Propane])	0.30. 0.20.	
229442 229444 227405 227403 227967 227384 228167 228166		(with Flame Failure). (with Pilot & Flame Failur (with Flame Failure). (with Pilot & Flame Failur mm Front.		
Griddle				
014105	Burner.			
032210 032130	Injector Injector	(Nat. Gas) (LP Gas [Propane])	Ø 2.10mm. Ø 1.30mm.	
227403 227384 019215K	Gas Control Knob - Griddle. Pilot Burner Kit.	(with Pilot & Flame Failu	re).	
026488 019217	Pilot Injector Pilot Injector	(Nat. Gas) (LP Gas [Propane])	0.35. 0.23.	
019428 227508 228047 018744 228288	Thermocouple. Piezo Ignitor. Piezo H.T. Lead. Piezo Ignition Electr Grease Tray	ode. (Griddle Plates).		

Regulator

228531 Regulator (Natural Gas/LP Gas [Propane] Convertible) 3/4" BSP F/F.

<u>Oven</u>

228767 018691K 020253 018743	Oven Burner. Oven Pilot Burner Kit. Oven Thermocouple Thermocouple Spacer.	(1200mm).	
032260 032160	Oven Burner Injector Oven Burner Injector	(Nat Gas) (LPG)	Ø 2.60mm. Ø 1.60mm.
026488 019217	Pilot Injector Pilot Injector	(Nat. Gas) (LPG)	Ø 0.35mm. Ø 0.23mm.
228703	Thermostat / Gas Control Kit.		
022408 022407	Low Fire Screw Low Fire Screw	(Nat. Gas) (LPG)	1.50. 0.95.
227508 018744 019407	Piezo Ignitor. Electrode. H.T Lead.		
228704 227386 227893	Door Spring Kit Knob Oven - Oven Side Rack RH.	(Includes 2 Springs). (100 - 290°C).	
227892 228106 227896	Oven Side Rack LH. Oven Rack Oven Rack	(RN8510G). (RN8610G - RN8810G).	

<u>General</u>

227015	Pot Stand / Trivet.	
228884	Spill Tray	(750mm - RN8510G Series).
228883	Spill Tray	(450mm - RN8610G Series).
228882	Spill Tray	(600mm - RN8810G Series).
229674	Rear Roller Assy.	
227850	Adjustable Leg	(150mm).

Gas Conversion Kits

		Gas Type to Convert to			
	Models	Australia / New Zealand Only		UK Only	
		Nat. Gas	LPG	Nat. Gas	LPG
els	RN8510G	231885	231884	231909	231908
Models	RN8610G	231889	231888	231911	231910
Ē	RN8810G	231893	231892	231913	231912
lels	RN8510G	231897	231896	231915	231914
Models	RN8610G	231901	231900	231917	231916
'PF'	RN8810G	231905	231904	231919	231918

Accessories

228566	Griddle Scraper Tool.
228567	Smooth Plate Scraper Blades (Pack of 5 blades).
228797	750mm Plinth Kit.
228800	900mm Plinth Kit.
228804	1200mm Plinth Kit.