

INSTALLATION AND OPERATION MANUAL

GAS TARGET TOP

G57



Serial Number		
Dealer		
Service Provider	•	



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Blue Seal Gas Target Top

G57 Target Top - 900mm.

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Introduction

We are confident that you will be delighted with your BLUE SEAL TARGET TOP, and it will become a most valued appliance in your commercial kitchen.

To ensure you receive the utmost benefit from your new Blue Seal Target Top, 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 the 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 country code appears on appliance. If code does not appear on appliance, refer to supplie 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

G57 - LS Gas Target Top, 900mm wide Hob on Leg Stand.

G57 - B Gas Target Top, 900mm wide Bench Mount Hob.

G57 - CB Gas Target Top, 900mm wide Hob with Base Cabinet.

G57 - RB Gas Target Top, 900mm wide Hob to fit on Refrigeration Base Unit.

General

A commercial heavy duty, gas fired Target Top having a high output, two stage double-ring cast iron burner offering accurate temperature control and infinitely variable heat with heat radiating out from centre of Target Top. Main Burner is located beneath removable cast target top plates.

The Target Top is constructed as a hob unit and is available on Leg Stand (-LS), Bench Mount (-B), Cabinet Base (-CB) or to fit on a Refrigeration Base Unit (-RB).

Gas Supply Requirements

- Australia:

	Natural Gas	LP Gas (Propane)
Input Rating (N.H.G.C.)	45 MJ/hr	45 MJ/hr
Supply Pressure	1.13 - 3.40 kPa	2.75 - 4.50 kPa
Burner Operating Pressure (*)	1.0 kPa (*)	2.6 kPa (*)
Gas Connection	3/4" BSP Male	

- New Zealand:

	Natural Gas	LP Gas
Input Rating (N.H.G.C.)	45 MJ/hr	45 MJ/hr
Supply Pressure	1.13 - 3.40 kPa	2.75 - 4.50 kPa
Burner Operating Pressure (*)	1.0 kPa (*)	2.6 kPa (*)
Gas Connection	3/4" BSP Male	

- UK Only:

Category: II_{2H3P} . Flue Type: A_1 .

		Natural Gas (G20)	Propane (G31)
Heat Imput (matt)	Nominal	11.5 kW	11.5 kW
Heat Input (nett)	Reduced	4.7 kW	7.9 kW
Gas Rate (nett)	Nominal	1.22 m³/hr	0.89 kg/hr
	Reduced	0.50 m ³ /hr	0.61 kg/hr
Supply Pressure		20 mbar	37 mbar
Burner Operating Pres	sure (*)	9.9 mbar 26.8 mbar	
Gas Connection	·	³ / ₄ " B.S.P. Male	

(*) Measure Burner operating pressure at target top hob manifold test point with target top burner (Inner and Outer rings) 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 details in 'Gas Conversion' section for information).

- All Other Markets:

	Natural Gas	Town Gas (**)
Input Rating (N.H.G.C.)	45 MJ/hr	45 MJ/hr
Supply Pressure	1.13 - 3.40 kPa	0.75 - 1.50 kPa
Burner Operating Pressure (*)	1.0 kPa	0.63 kPa
Gas Connection	3/4" BSP Male	

	LP Gas (Propane)	Butane
Input Rating (N.H.G.C.)	45 MJ/hr	45 MJ/hr
Supply Pressure	2.75 - 4.50 kPa	2.75 - 4.50 kPa
Burner Operating Pressure (*)	2.6 kPa	2.6 kPa
Gas Connection	3/4" BSP Male	

- (*) Measure burner operating pressure at target top hob manifold test point with target top burner (Inner and outer ring) operating at full setting.
- NAT, LPG & Butane Only Operating pressure is ex-factory set and is not to be adjusted, apart from when converting between gasses, if required.
- (**) TOWN GAS Only Burner operating pressure is to be adjusted using adjustable gas regulator supplied. Town Gas Option is only available with specific ex-factory built Town Gas models, which can also be converted to any other gas. Standard models can only be converted between Nat. Gas, LP Gas and Butane, but not Town Gas.
- Refer to 'Gas Conversion and Specifications' section of this manual for further details.

Gas Connection

Bench Models

Gas supply connection point is located 130mm from right hand side of appliance, 32mm from rear, 55mm from floor and is entered from beneath appliance. An optional underside connection is available.

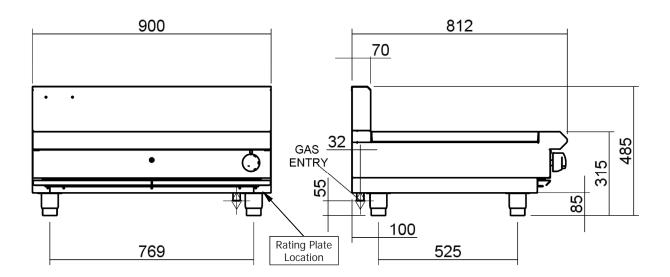
All Other Models:

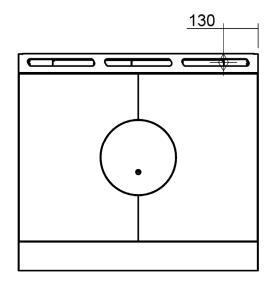
Gas supply connection point is located 130mm from right hand side of appliance, 32mm from rear, 655mm from floor and is entered from beneath appliance. An optional underside connection is available.

Connection is 3/4" BSP male.

For Refrigeration Cabinet Specifications refer to Refrigeration Cabinet Installation and Operation Manual supplied with appliance.

G57-B



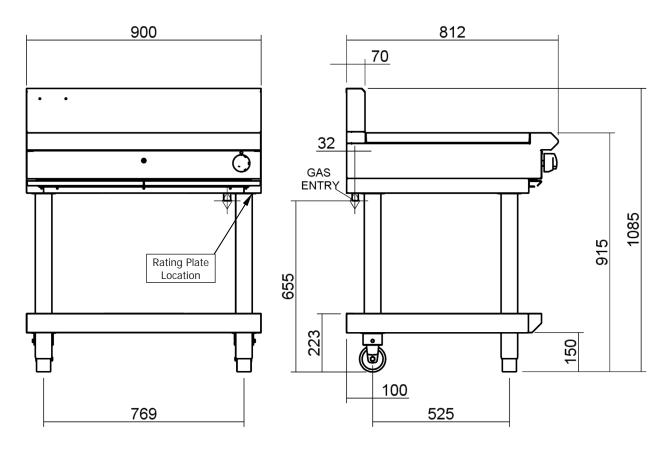


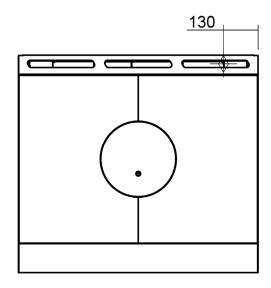
Gas Connection Point.

Weight (Nett)

G57 - B 160 kg.

G57-LS



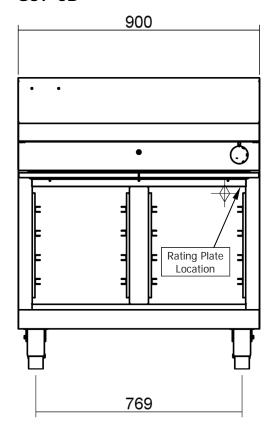


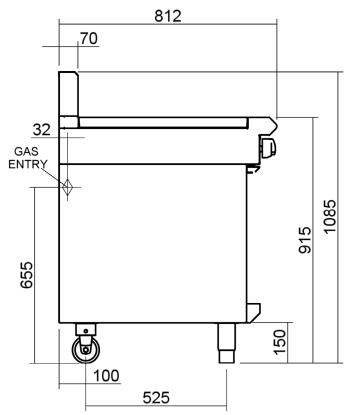
Gas Connection Point.

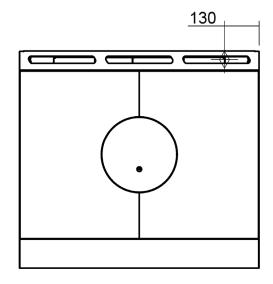
Weight (Nett)

G57 - LS 180 kg.

G57-CB





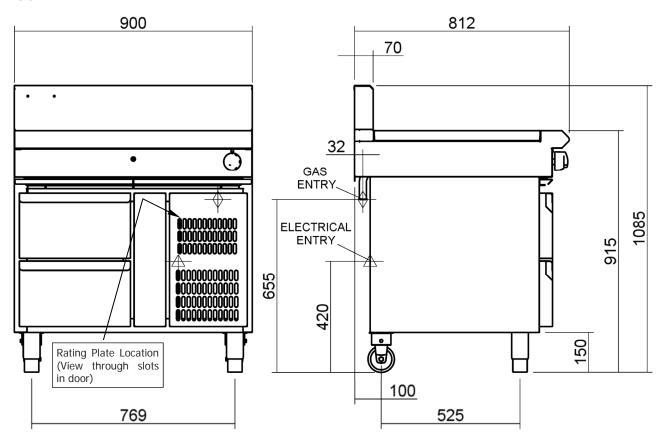


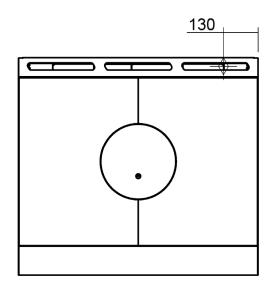
Gas Connection Point.

Weight (Nett)

G57 - CB 200 kg.

G57-RB







Weight (Nett)

G57 - RB 240 kg (Including the Refrigeration Cabinet.)

Installation Requirements

NOTE:

- It is most important that this Target Top 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 occurrence of unacceptable concentrations of health harmful substances in the room, the appliance is installed in.

Blue Seal Target Tops 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, electrical and fire safety.

AUSTRALIA: - AS5601 - Gas Installations. **NEW ZEALAND**: - NZS5261 - Gas Installation.

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

BS6173 - Installation of Catering Appliances.
BS5440 1 & 2 - Installation Flueing & Ventilation.
BS7671 - Requirements for Electrical Installation.

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

Installation must be carried out by qualified persons only. Failure to install equipment to 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 transit protection from appliance including all protective plastic coating from exterior stainless steel panels.
- Check equipment and parts for damage. Report any damage immediately to carrier and distributor.
- Ensure all 4 adjustable feet are fitted with the protruding centre screw. (Not fitted on G57 RB Models).
- Report any deficiencies to distributor who supplied appliance.
- Check available gas supply is correct to as shown on rating plate. Refer to 'Dimensions' section for rating plate locations for different models.

Location

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

Combustion Air Requirements:		
Natural Gas 12 m ³ /hr		
LPG / Butane 12 m ³ /hr		
Town Gas 12 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 target top 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 appliances flue. Never directly connect a ventilation system to appliance flue outlet.

Installation

- 7. If Target Top is fitted with a Refrigeration Cabinet, cabinet must NOT be installed in an explosive environment, the open air or exposed to rain. The following considerations should be made;-
 - Cabinet must be located away from heat sources (radiators ovens and other heat generating kitchen appliances) and direct sunlight.
 - Must be protected from draughts.
 - Air circulation around condensing unit must not be obstructed.

Clearances

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

	Combustible Surface	Non Combustible Surface
-B / -CB / -LS models:		
Left / Right Hand Side	50mm	0mm
Rear	50mm	0mm
-RB model:		
Sides / Rear	75mm	75mm *

^{*} For additional clearances information refer to Refrigeration Cabinet Installation and Operation Manual supplied with Refrigeration Cabinet.

Assembly

NOTE:

- Leg Stand Model (G57-LS), will require assembly. Refer to 'Leg Stand Models Only' information below for assembly instructions.
- All Models are delivered completely assembled. No further assembly is required, with exception of Leg Stand Model (G57-LS), this will require assembly. Refer to Fitting of Adjustable Feet / Rear Rollers to Leg Stand Units' information overleaf for assembly instructions.
- · Appliance rear leg housings can be fitted with:-

Adjustable feet to assist with levelling of appliance on uneven floors.

Rear rollers to enable appliance to be easily moved for positioning and cleaning purposes.

Optional Accessories (Refer to Replacement Parts List)

Plinth Kit. For installation details, refer to instructions supplied with each kit.

Bench Models

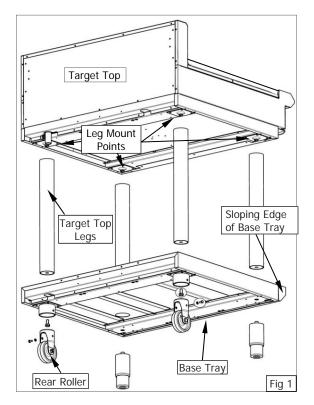
- 1. Check all feet (and castors) are securely fitted.
- 2. Adjust feet to make Target Top steady and level.

Fitting Leg Stand to Target Top



To prevent equipment damage and risk of injury, remove all castings, fire bricks and other removable items prior to fitting leg stand.

- 1. Remove centre casting from target top using casting removal tool.
- 2. Remove 2 half plate castings and all fire bricks from target top.
- 3. Lower target top onto it's rear face.
- 4. Attach four hob legs to leg mounting positions on underside of target top. Secure each leg hand tight.
- 5. Align four round cut out holes on base tray with four hob legs already fitted to target top (Ensure that base tray is orientated with sloping edge of base tray facing front of unit.
- 6. Slot base tray onto four hob legs and push fully home.
- 7. Secure base tray to hob legs by screwing two front adjustable feet supplied, into base of front hob legs. Secure each adjustable foot hand tight.
- 8. Fit rear rollers to rear leg ring plates and secure using the locating bolts supplied. Tighten bolts using a 10mm spanner.
- 9. Lift target top back onto its legs.
- 10. Refit all fire bricks, 2 half plate castings and centre casting to target top.



NOTE: This appliance is fitted with adjustable feet / rear rollers to enable appliance to be positioned securely and level. This should be carried out on completion of gas connection. Refer to 'Gas Connection' section.

Gas Connection

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

- 1. Blue Seal Target Tops do not require an electrical connection, as they function totally on gas supply only.
- 2. It is essential that gas supply is correct for target top 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 sticker located above gas connection and on rating plate. Check this is correct for gas supply appliance is being installed for. Gas conversion procedure is detailed 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 target top 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 <u>NOT to be adjusted</u>.

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 individual appliance supply line.

- 4. Correctly locate appliance into its final operating position and using a spirit level, adjust legs so that unit is level and at correct height.
- 5. Connect gas supply to appliance. A suitable jointing 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

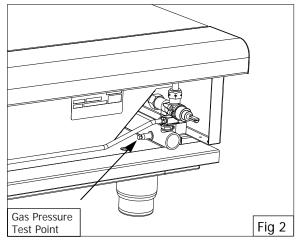
DO NOT USE A NAKED FLAME TO CHECK FOR GAS LEAKAGES.

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

NOTE: Measure Burner operating pressure at target top hob manifold test point with target top burner (Inner and outer ring) operating at full setting.

8. Verify operating pressure remains correct.

NOTE: 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.



Commissioning

Before leaving new installation;

- 1. Check following functions in accordance with operating instructions specified in 'Operation' section of this manual.
 - Light the Pilot Burner.
 - Light the Main Burner.
 - Check the Low Fire burner operation.
 - Check the High Fire burner operation.
- 2. Ensure the operator has been instructed in areas of correct lighting, operation and shutdown procedure for appliance.

This manual must be kept by 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. Refer to 'Dimensions' section for Rating Plate location for all models).

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.

For Refrigeration Cabinet Installation details, refer to Refrigeration Cabinet Installation and Operation Manual supplied with appliance.

Operation Guide



- 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.
- 1. Blue Seal target tops have been designed to provide simplicity of operation and 100% safety protection.
- 2. Improper operation is almost impossible, however bad operation practices can reduce life of target top and produce a poor quality product. To use this target top correctly please read the following sections carefully:-
 - Lighting the Pilot Burner.
 - · Lighting the Main Burner.
 - Temperature Zones.

Description of Controls



For Refrigeration Cabinet Operation details, refer to Refrigeration Cabinet Installation and Operation Manual supplied with appliance.

Lighting Pilot Burner

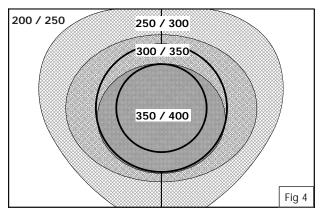
- 1. Remove centre casting with casting removal tool.
- 2. Push-in control knob and rotate anti-clockwise to PILOT position.
- 3. With control knob depressed, manually light pilot burner located in front of main burner.
- 4. Hold in control knob for approximately 10 to 15 seconds, then release.
- 5. The pilot burner should remain alight. If not repeat Items 2 to 4 above until pilot burner lights.

Lighting Main Burner

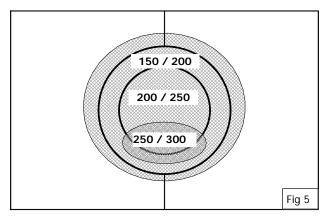
- 1. Ensure pilot burner is alight by checking through hole in centre of front control panel or by removing centre casting with casting removal tool.
- 2. Rotate control knob anti-clockwise to position marked HIGH.
- 3. Main burner will ignite automatically off pilot burner.
- 4. Once lit, main burner will be burning at full rate. For a lower heat turn knob fully anti-clockwise to LOW position.
- 5. For intermediate heat, position control knob between HIGH and LOW positions.

NOTE: Always set control knob to HIGH position when lighting main burner. If pilot burner goes out during normal operation, wait 5 minutes before relighting.

6. Cast iron work surface has a heat pattern that can be used effectively by positioning cooking pans etc. appropriately according to heat requirement.



Heat Pattern for Target Top on Full Heat (°C)



Heat Pattern for Target Top on Low Heat (°C)

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 a service is carried out.

General



Always turn 'Off' 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 Target Top regularly. A clean appliance looks better, will last longer and will perform better. Carbonised grease on cooking surfaces will hinder transfer of heat from cooking surface to food. This will result in loss of cooking efficiency.

<u>DO NOT use water on Target Top while this item is still hot as warping and cracking may occur.</u> Allow Target Top to cool down before cleaning.

NOTE:

- DO NOT use abrasive detergents, sharp scrapers, strong solvents or caustic detergents as they could corrode or damage Target Top / Range.
- In order to prevent rust forming on Target Top, ensure that any detergent or cleaning material has been completely removed after each cleaning. Appliance should be switched 'On' briefly to ensure target top becomes dry.

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

After Each Use

Clean Target Top with a stiff nylon brush or a flexible spatula to remove any build up of carbon.

Daily Cleaning

- 1. Thoroughly clean splash back, interior and exterior surfaces of Target Top with hot water, a mild detergent solution and a soft scrubbing brush.
- 2. Brush Target Top (cast iron) with a soft bristled brush followed by wiping with a cloth to prevent accumulation of carbon.
- 3. Remove drip tray and clean with a mild anti bacterial detergent and hot water solution using a soft bristled brush. Dry drip tray thoroughly with a dry cloth.
- 4. Dry target top thoroughly with a dry cloth and polish with a soft dry cloth.

Weekly Cleaning

NOTE:

- If Target Top usage is very high, we recommend that weekly cleaning procedure is carried out more frequently.
- Ensure protective gloves are worn during cleaning process.
- DO NOT use harsh abrasive detergents, sharp scrapers, strong solvents or caustic detergents as they will damage Target Top.
- DO NOT use water on Target Top while it is still hot as warping may occur. Allow castings to cool down before cleaning.

Target Top

- a. This should be kept clean of any build up of spillage's of food. Provided cast iron work surface is regularly used it will maintain itself in good condition with no special cleaning requirements required.
- b. Clean any food residue and spillage from channels around centre casting and main plates before use.

- c. **DO NOT use water on castings while they are still hot as cracking may occur.** Should it be necessary to clean castings, allow castings to cool and then remove for cleaning. Clean using a soft cloth moistened with a mild detergent and hot water solution and a scrubbing brush. Dry thoroughly with a dry cloth.
- d. Remove drip tray and clean with a mild anti bacterial detergent and hot water solution using a soft bristled brush. Dry drip tray thoroughly with a dry cloth.

Stainless Steel Surfaces

- a. Clean exterior surfaces of Target Top 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 clean front control panel.
- 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. To remove any discolouration, use an approved stainless steel cleaner or stainless steel wool. Always rub in direction of grain.
- d. Dry all components 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.

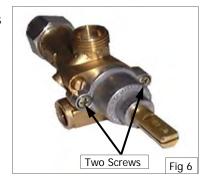
To achieve the best results cleaning must be regular and thorough and all controls and mechanical parts should be checked and adjusted periodically by a qualified service person. If any small faults occur, have them attended to promptly. Don't wait until they cause a complete breakdown. It is recommended 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 the control panel to the hob and remove control panel from front of appliance.
- d. Remove 2 screws holding shaft plate to gas control body and remove control shaft and plate. (See Fig 6). Note orientation of shaft for correct re-assembly.
- e. Using needle nose pliers or similar, pull out gas control spindle, again noting its orientation.
- f. 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 7).
- g. Replace spindle and re-assemble gas control in reverse order.
- h. Refit control panel to appliance and secure with 2 screws
- i. Refit knobs to gas control valve spindles.





Fault Finding

This section provides an easy reference guide to more common problems that may occur during operation of your equipment. 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 the 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:-

• Model Trade Name and Serial Number of Appliance. (Both can be found on Technical Data Plate located on appliance).

Fault	Possible Cause	Remedy
Pilot won't 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 thermocouple 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.	Call service provider.
	Thermocouple faulty.	Call service provider.
Main burner will not light.	Incorrect supply pressure.	Call service provider.
	Faulty gas control.	Call service provider.

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

For Refrigeration Cabinet Fault Finding refer to Refrigeration Cabinet Installation and Operation Manual supplied with appliance.

Conversion Procedure



Caution

Ensure Appliance is isolated from gas and electrical supplies before commencing servicing.

NOTE:

- These conversions should only be carried out by qualified persons. All connections must be checked for leaks before re-commissioning 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 all relevant gas specifications refer to 'Gas Specification Tables' at rear of this section.

Remove the following:-

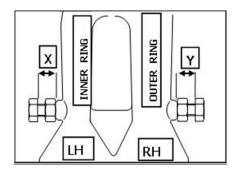
- Control knob from target top control panel.
- Centre casting.
- Two half plate castings.
- Two front fire bricks.
- R/H main fire brick.

Main Burner Injectors

- 1. Remove main burner to reveal inner and outer ring injectors.
- 2. Remove injectors and replace with correct size injectors as shown in 'Gas Specifications Tables' at rear of this section.
- 3. Refit main burner to target top.

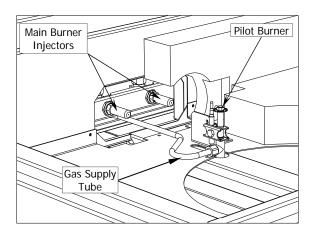
NOTE: Ensure main burner is pulled fully towards front of unit before tightening 2 main burner securing screws.

4. Set burner aeration screws 'X' and 'Y' for correct gas type aeration, as shown in 'Gas Specifications Tables' at rear of this section.



Pilot Burner

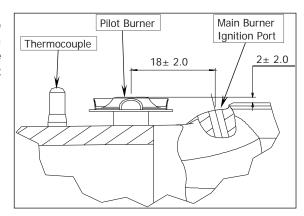
- Disconnect gas supply tube from base of pilot burner
- 2. Remove pilot burner and thermo couple retaining plate.
- 3. Remove pilot burner from mounting bracket.
- 4. Remove injector and spring from pilot burner and replace with correct size injector as shown in 'Gas Specifications Tables' at rear of this section.
- 5. Refit pilot burner to retaining bracket ensuring pilot burner ports are at same height as thermocouple.



Gas Conversion and Specifications

NOTE: Ensure pilot burner and thermocouple are correctly located and pilot burner aligns with main burner ignition port. (Refer to figure opposite for correct fitting and alignment dimensions).

- Re-connect gas supply tube to pilot burner.
- · Refit RH main fire brick.
- Refit 2 front fire bricks.
- Refit 2 half plate castings ensure they are correctly interlocked.
- · Refit centre casting.
- Refit front control panel and control knob.



Low Fire Adjustment

NOTE: Adjust low fire adjustment screw on gas control valve to as shown in 'Gas Specifications Tables' at rear of this section.

1. Light main burner and check flame size on simmer (LOW) position.

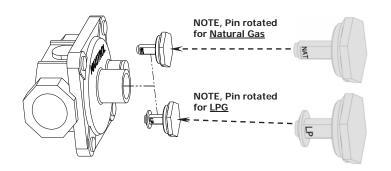


NOTE: 'Low Fire Screw' should be sealed with coloured paint on completion of low fire adjustment.

Gas Regulator

- NAT Gas / LPG / Butane Only.

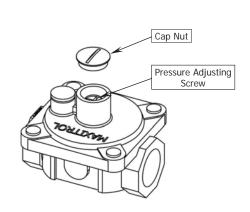
NOTE: Gas regulator supplied is convertible between Natural Gas and LP Gas, but it's outlet pressure is fixed ex-factory and is NOT to be adjusted.



- Town Gas Only.
- 1. Remove slotted cap from regulator.
- 2. Turn 'On' gas supply and appliance.
- 3. Adjust pressure adjusting screw to achieve correct burner operating pressure.

NOTE: Measure operating pressure at manifold test point with two burners operating at 'High Flame' setting.

- 4. Turn 'Off' mains gas supply and bleed gas out of appliance gas lines.
- 5. Turn 'On' gas supply and appliance.
- 6. Verify operating pressure remains correct (Re-adjust regulator if required).
- 7. Screw cap nut back onto regulator.



Gas Type Identification Label

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

- Rear of the unit, above gas connection.
- Beside the Rating Plate.

Commissioning

Before leaving the installation;

1. 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.

- 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:

	Natural Gas	LP Gas (Propane)
Main Burner Injector (Inner Ring)	Ø 1.70mm	Ø 1.10mm
Main Burner Injector (Outer Ring)	Ø 2.60mm	Ø 1.55mm
Pilot Burner Injector	0.35	0.25
Burner Aeration Screw X (Inner)	25mm	25mm
Burner Aeration Screw Y (Outer)	28mm	28mm
Low Fire Adjustment	2 ¹ / ₂ turns out (ccw)	1 turn out (ccw)
Burner Operating Pressure (*)	1.0 kPa	2.6 kPa
Gas Regulator Cap Screw	MAT	[P

- New Zealand:

	Natural Gas	LP Gas
Main Burner Injector (Inner Ring)	Ø 1.70mm	Ø 1.10mm
Main Burner Injector (Outer Ring)	Ø 2.60mm	Ø 1.55mm
Pilot Burner Injector	0.35	0.25
Burner Aeration Screw X (Inner)	25mm	25mm
Burner Aeration Screw Y (Outer)	28mm	28mm
Low Fire Adjustment	2 ¹ / ₂ turns out (ccw)	1 turn out (ccw)
Burner Operating Pressure (*)	1.0 kPa	2.6 kPa
Gas Regulator Cap Screw	NAT	LP.

(*) Measure Burner operating pressure at target top hob manifold test point with target top burner (Inner and outer ring) 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 details in 'Gas Conversion' section for information).

- United Kingdom:

Category: II_{2H3P} . Flue Type: A_1 .

	Natural Gas (G20)	Propane (G31)
Main Burner Injector (Inner Ring)	Ø 1.70mm	Ø 1.10mm
Main Burner Injector (Outer Ring)	Ø 2.60mm	Ø 1.55mm
Pilot Burner Injector	0.35	0.25
Burner Aeration Screw X (Inner)	25mm	20mm
Burner Aeration Screw Y (Outer)	28mm	25mm
Low Fire Adjustment	2½ turns out (ccw)	1¾ turn out (ccw)
Burner Operating Pressure (*)	9.9 mbar (*)	26.8 mbar (*)
Gas Regulator Cap Screw	NAT	LP

(*) Measure Burner operating pressure at target top hob manifold test point with target top burner (Inner and Outer ring) 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 details in 'Gas Conversion' section for information).

- All Other Markets:

	Natural Gas	Town Gas (**)
Main Burner Injector (Inner Ring)	Ø 1.70mm	Ø 4.20mm
Main Burner Injector (Outer Ring)	Ø 2.60mm	Ø 6.30mm
Pilot Injector	0.35	0.70
Burner Aeration Screw X (Inner)	25mm	20mm
Burner Aeration Screw Y (Outer)	28mm	25mm
Low Fire Adjustment	2 ¹ / ₂ turns out (ccw)	Blank 1½ turns out (ccw)
Burner Operating Pressure (*)	1.0 kPa (*)	0.63 kPa (*)
Gas Regulator Cap Screw	NAT	Adjustable Regulator (Adjust to the Burner Operating Pressure specified)

	LP Gas (Propane)	Butane	
Main Burner Injector (Inner Ring)	Ø 1.10mm	Ø 1.00mm	
Main Burner Injector (Outer Ring)	Ø 1.55mm	Ø 1.45mm	
Pilot Injector	0.25		
Burner Aeration Screw X (Inner)	25mm		
Burner Aeration Screw Y (Outer)	28mm		
Low Fire Adjustment	1 turn out (ccw)		
Burner Operating Pressure (*)	2.6 kPa (*)		
Gas Regulator Cap Screw	LP		

NOTE:

- (*) Measure burner operating pressure at target top hob manifold test point with target top burner (Inner and outer ring) operating at full setting.
- NAT, LPG & Butane Only Operating pressure is ex-factory set and is not to be adjusted, apart from when converting between gasses, if required.
- (**) TOWN GAS Only Burner operating pressure is to be adjusted using adjustable gas regulator supplied. Town Gas Option is only available with specific ex-factory built Town Gas models, which can also be converted to any other gas. Standard models can only be converted between Nat. Gas, LP Gas and Butane, but not Town Gas.
- Refer to the information in this section for further 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. (Refer to 'Dimensions' section for location of rating plates for all model types).

Target Top

Controls

228853 230511 235347 017800 227378 229699 229695	Burner. Pilot Burner. Thermocouple Kit. Gas Control Valve Gas Control Knob Gas Control Valve Gas Control Knob	(Nat / LPG / Butane). (Nat / LPG / Butane). (Town Gas). (Town Gas).	
031170	Injector Inner Ring	(Nat)	Ø 1.70mm.
031110	Injector Inner Ring	(LPG)	Ø 1.10mm.
031100	Injector Inner Ring	(Butane)	Ø 1.00mm.
031420	Injector Inner Ring	(Town Gas)	Ø 4.20mm.
031260	Injector Outer Ring	(Nat)	Ø 2.60mm.
031155	Injector Outer Ring	(LPG)	Ø 1.55mm.
031145	Injector Outer Ring	(Butane)	Ø 1.45mm.
031630	Injector Outer Ring	(Town Gas)	Ø 6.30mm.
227985	Pilot Injector	(Nat)	0.35.
227984	Pilot Injector	(LPG / Butane)	0.25.
232310	Pilot Injector	(Town Gas)	0.70.

Regulator

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

General

227012	Centre Casting.
22/012	•
227013	Half Plate Casting.
014997	Casting Removal Tool.
227850	Adjustable Leg - 150mm.
229674	Rear Roller Assy. (Not Bench Models).
232351	Rear Roller Assy 3" - (Refrigeration Base).

For Refrigeration Cabinet Replacement Parts, refer to Refrigeration Cabinet Installation and Operation Manual supplied with appliance.

Gas Conversion and Specifications

Gas Regulators

Gas Type	Gas Regulators		
	Part No.	Description	
Nat. Gas LPG (Propane) Butane	228531	¾" BSP F/F Convertible.	
Town Gas	230185	3/4" BSP F/F Adjustable.	

Accessories

228801 Refrigerator Base Plinth Kit.

228799 Cabinet Base / Leg Stand 900mm Plinth Kit.

Gas Conversion Kits

Madal	Gas Type to Convert to			
Model	Nat. Gas	LPG	Butane	Town Gas
G57	231972	231971	231973	N/A (*)

NOTE: (*) Town Gas Option is only available with specific ex-factory built Town Gas models, which can also be converted to any other gas. Standard models can only be converted between Nat. Gas, LP Gas and Butane, but not Town Gas.