

# Thor Gas Hot Plate

## Installation and Operation Instructions

Model: GE756-P, GE756-N, GE757-P, GE757-N



### IMPORTANT FOR FUTURE REFERENCE



Please complete this information and retain this manual for the life of the equipment. For Warranty Service and/or parts, this information is required.



Model Number

Serial Number

Date Purchased

 **WARNING:** For your safety, do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other appliances. Keep the area free and clear of combustible. 

 **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 equipment. 

 **WARNING:** Instructions must be posted in a prominent location. All safety precautions must be taken in the event the user smells gas. Safety information can be obtained from your local gas supplier. 

# thor

15 Badgally Road, Campbelltown

NSW 2560

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## Introduction

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We are confident that you will be delighted with your Thor Gas Hot Plate, and it will become a most valued appliance for you. To ensure you receive the utmost benefit from your new Gas Hot Plate, there are two important things you can do.

### Firstly:

Please read the instruction book carefully and follow the 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 dealer promptly.

### CE Only:

These instructions are only valid if the country code appears on the appliance. If the code does not appear on the appliance, refer to the supplier of this appliance to obtain the technical instructions for adapting the appliance to the 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 THE 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 TO BE USED BY QUALIFIED PERSONS ONLY.
- ONLY QUALIFIED SERVICE PERSONS ARE TO CARRY OUT INSTALLATION, SERVICING AND GAS CONVERSION OPERATIONS.
- COMPONENTS HAVING ADJUSTMENTS PROTECTED BY THE MANUFACTURER SHOULD NOT BE ADJUSTED BY THE USER/OPERATOR.
- DO NOT OPERATE THE APPLIANCE WITHOUT THE LEGS SUPPLIED FITTED.

# SPECIFICATION

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## General

Commercial heavy duty hot plate with cast iron trivets and burners, and fitted with full pilot and flame failure protection.

## Pack Contents

The following is included:

- Thor Gas Hot Plate
- Feet
- Instruction Manual

## Gas Supply Requirements

	Natural Gas		Propane	
	GE756-N	GE757-N	GE756-P	GE757-P
Single burner Heat Input	32.5 MJ	32.5 MJ	32.5 MJ	32.5 MJ
Heat Total	65 MJ	195 MJ	65 MJ	195 MJ
Burner Operating	1.0kPa	1.0kPa	2.75kPa	2.75kPa
Supply Pressure	1.0kPa	1.0kPa	2.75kPa	2.75kPa
Gas Connection	3/4" BSP	3/4" BSP	3/4" BSP	3/4" BSP

The burner operating pressure is to be measured at the manifold test point with two burners operating at full setting. The operating pressure is ex-factory set, through the appliance regulator and is not to be adjusted.

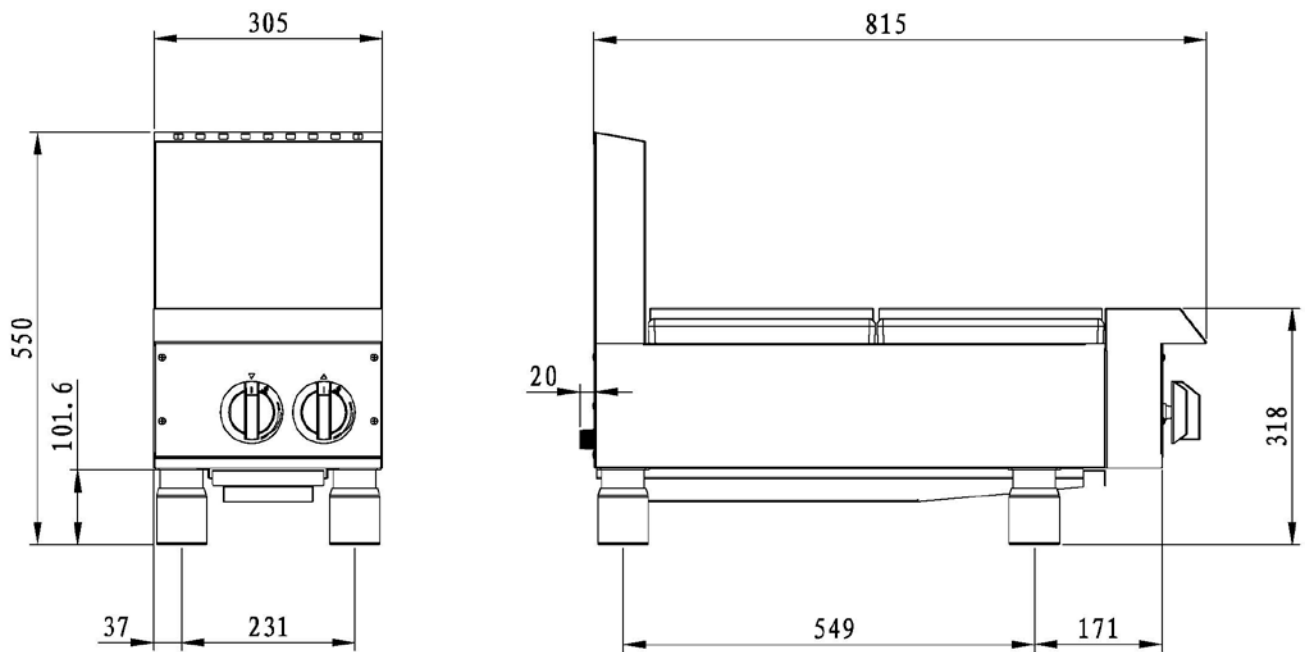
**Minimum input Heat of burner:** 21MJ for LPG AND LPG

**Size of the pan:** The biggest pan for open burner is 280mm.

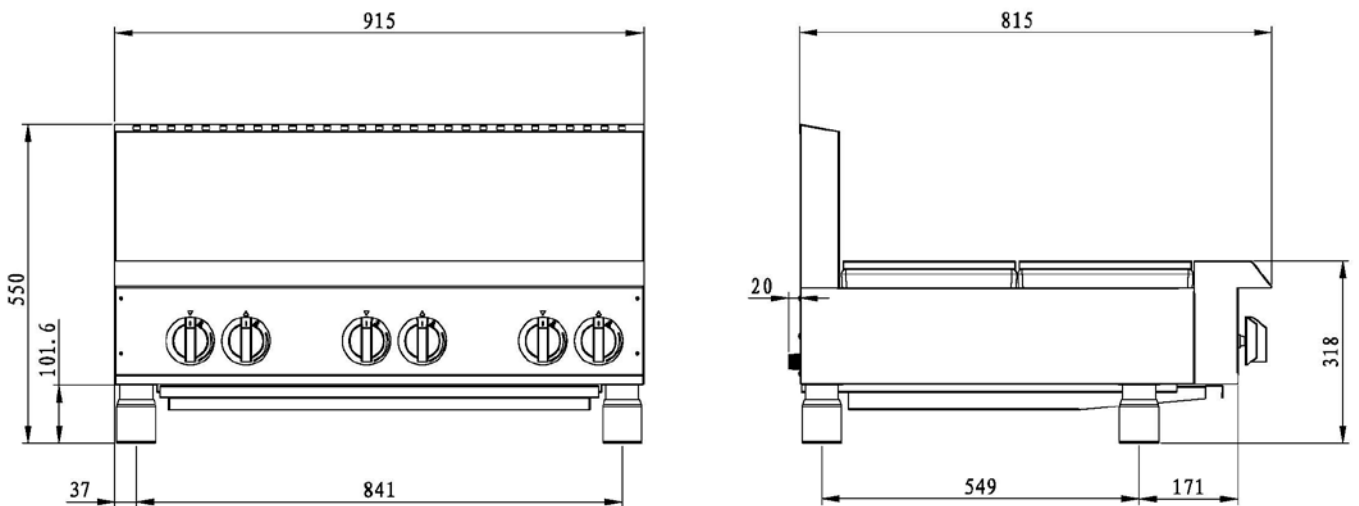
## Dimensions

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### GE756-P / GE756-N



### GE757-P / GE757-N



# Installation

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## 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, health and safety requirements.**
- **This appliance shall be installed with sufficient ventilation to prevent the occurrence of unacceptable concentrations of substances harmful to health.**

Our Gas Hot Plates 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/AG 601 (to be AS 5601)- Gas Installations

### **New Zealand:**

NZS 5261 - Gas Installation.

### **United Kingdom:**

Gas Safety (Installation and Use) Regulations 1998

BS 6173-Installation of Catering Appliances.

BS 5440-1&2 Installation Flueing & Ventilation.

### **Ireland:**

IS 820-Non Domestic Gas Installations.

**Installations must be carried out by qualified 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 by the manufacturer are only to be adjusted by an authorized service agent. They are not to be adjusted by the installation person.**

## Unpacking

- Remove all packaging and transit protection from the appliance including all protective plastic coating from the exterior stainless steel panels.
- Check equipment and parts for damage. Report any damage immediately to the carrier and distributor.
- Ensure that the 4 adjustable feet are fitted with the protruding centre screw.
- Report any deficiencies to the distributor who supplied the appliance.
- Check that the available gas supply is correct to that shown on the rating plate located on the right hand panel.

## Location

1. Installation must allow for a sufficient flow of fresh air for the combustion air supply.
2. Installation must include adequate ventilation means, to prevent dangerous build-up of combustion products.
3. Any gas burning appliance requires adequate clearance and ventilation for optimum and trouble-free operation. The minimum installation clearances shown below are to be adhered to.
4. Position the appliance in its approximate working position.
5. All air for burner combustion is supplied from underneath the unit. The legs must always be fitted and no obstructions placed on the underside or around the base of the unit, as obstructions will cause incorrect operation and / or failure of the appliance.
6. Components having adjustments protected by manufacturer are only allowed to be adjusted by an authorized service agent. They are not to be adjusted by the installation person.

## Installation

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### Clearances

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

	Combustible Surface	Non Combustible Surface
Left / Right Hand Side	250mm	0mm
Rear	250mm	0mm

### Assembly

**NOTE:**

- This appliance is assembled before delivery except feet.
- This appliance is fitted with adjustable feet to enable the appliance to be positioned securely and level. This should be carried out on completion of the gas connection. Refer to the 'Gas Connection' section.
- IM will be stated that the appliance shall be installed in such a way that side body surfaces are not accessible in the installed position.

### Gas Connection

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

1. The Gas Hot Plates do not require an electrical connection, as they function totally on the gas supply only.
2. It is essential that the gas supply is correct for the appliance to be installed and that adequate supply pressure and volume are available. The following checks should therefore be made before installation:-
  - a. Gas Type required for the appliance is shown in the rating label. Check that this is correct for the gas supply the appliance is being installed for. The gas conversion procedure is detailed in this manual.
  - b. Supply Pressure required for this appliance is shown in the 'Gas supply requirements' section of this manual. Check the gas supply to ensure adequate supply pressure exists.
  - c. Input Rate of this appliance is stated on the Rating label .The input rate should be checked against the available gas supply line capacity. Particular note should be taken if the appliance is being added to an existing installation.

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

**NOTE:** Ensure the regulator is converted to the correct gas type that the appliance will operate on. The regulator outlet pressure is fixed ex-factory for the gas type .

3. Correctly locate the appliance into its final operating position and using a spirit level, adjust the legs so that the unit is level and at the correct height.
4. Connect the gas supply to the appliance through the regulator. (refer to the picture of "Install the Regulator"). A suitable jointing compound which resists the breakdown action of propane must be used on every gas line connection, unless compression fittings are used.
5. Check all gas connections for leakages.

**WARNING:**

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

## Installation

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6. Check that the gas operating pressure.

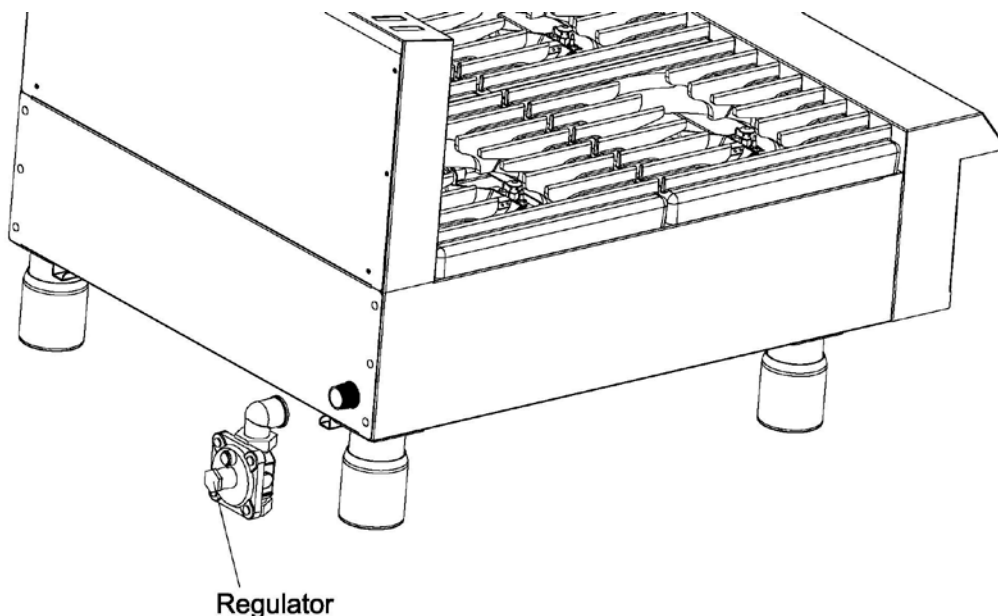
NOTE: The operating pressure to be measured at the manifold test point and with 2 burners operating at the 'High Flame' setting.

7. Turn off the mains gas supply and bleed the gas out of the appliance gas lines.
8. Turn on the gas supply and the appliance.
9. Verify that the operating pressure remains correct.

## Commissioning

1. Before leaving the new installation;
  - a. Check the following functions in accordance with the operating instructions specified in the 'Operation' section of this manual.
    - Light the Pilot Burner.
    - Light the Main Burner.
    - Turning 'Off' the Main Burner/Pilot.
  - b. Ensure that the operator has been instructed in the areas of correct lighting, operation, and shutdown procedure for the appliance.
2. This manual must be kept by the owner for future reference and a record of the Date of Purchase, Date of Installation and the Serial Number of the Appliance must be recorded and kept with this manual. (These details can be found on the Rating label, refer to the 'Gas Connection' section).

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



Install the Regulator



# Operation

## Operation Guide

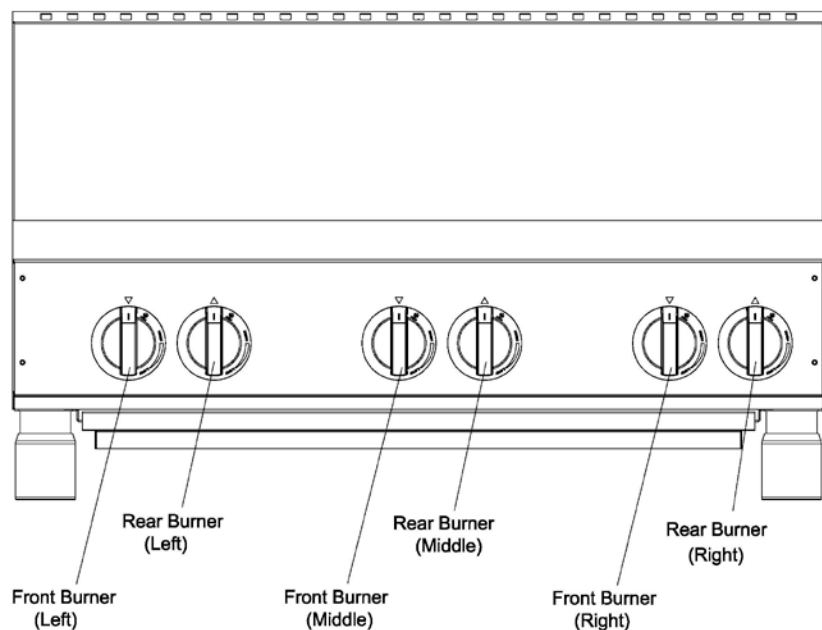
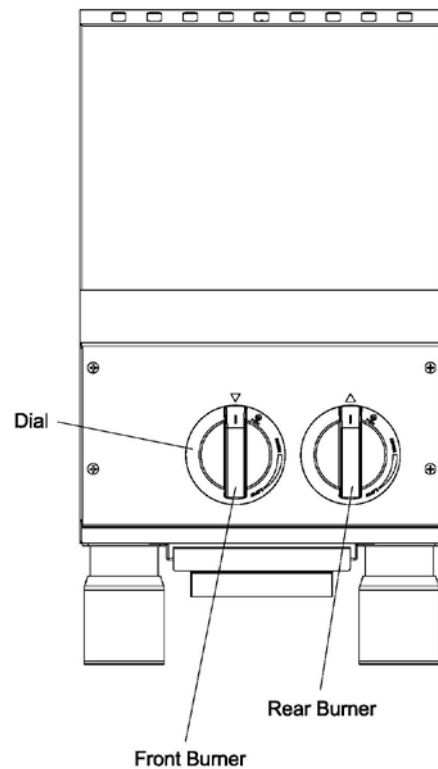
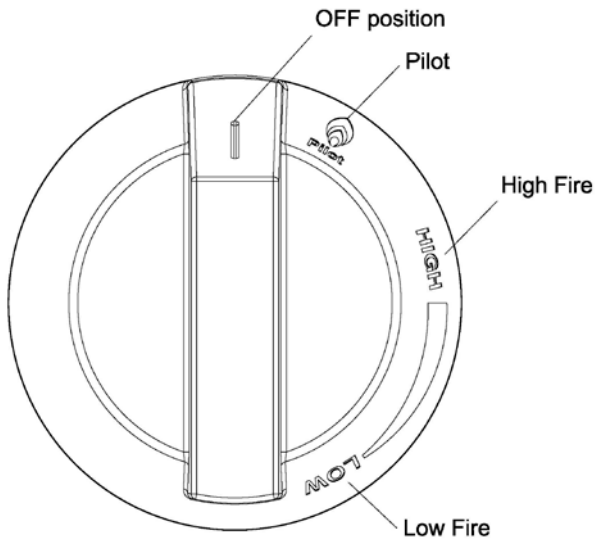
### **CAUTION:**

- This appliance is for professional use and is only to be used by qualified persons.
- Only authorized service persons are to carry out installation, servicing or gas conversion operation operations.
- Components having adjustments protected by the manufacturer should not be adjusted by the user/operator.

1. The Gas Hot Plates have been designed to provide simplicity of operation and 100% safety protection.
2. Improper operation is therefore almost impossible, however bad operation practices can reduce the life of the appliance. To use this appliance correctly please read the following sections carefully:

- Lighting the Main Burner.
- Turning off the Main Burner / Pilot.

3. Please use wok with diameter of 240-280mm.



### 1. Lighting the Main Burners

The hot plates are fitted with individual standing pilots for each open burner which allows the main burners to be turned ON- OFF without the need to manually re-light the burner each time that it is turned ON, as the burner will be automatically lit itself by the pilot burner.

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

1. Select the burner required, depress and turn the corresponding gas control knob anti-clockwise to the 'PILOT' position.
2. With the gas control knob depressed, manually light the pilot burner or use the piezo igniter provided (optional).
3. Release the gas control knob after approximately 10-20 seconds after lighting the pilot burner.
4. The pilot burner should stay alight - if not, repeat Steps (b. to c. above.)
5. 'Full Flame' can now be achieved by depressing and rotating the gas control knob anti-clockwise to the first stop 'HIGH' flame position.
6. Low flame can be achieved by depressing the gas control knob and rotating fully anti-clockwise to the 'LOW' flame position.
7. To achieve simmer control, depress the gas control knob and rotate between the 'HIGH' and 'LOW' positions to achieve the temperature required.

### 2. Turning 'OFF' the Open Burners / Pilots

1. To turn 'LOW' the main burner, but keep the pilot burner alight, rotate the gas control knob to the 'PILOT' position. The main burner will extinguish and the pilot will remain alight.
2. To turn 'LOW' the 'PILOT', depress and turn the gas control knob clockwise back to the ' | ' position. The 'PILOT' burner will extinguish.

## Operation

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### Main burner air supply:

1. For efficient burner operation, a proper balance of gas volume and primary air supply must be maintained which will result in complete combustion. Insufficient air supply results in a yellow streaming flame. Primary air supply is controlled by an air shutter on the front of the burner.
2. Loosen the screws on the front of the burner and adjust the air shutter to just eliminate the yellow tips of the burner flame. Lock the air shutter in place by tightening the screws.

### CAUTION

The space between the legs at the bottom admits combustion air. **DO NOT BLOCK THIS SPACE.**

All burners are lit from constantly burning pilots. Turning the valve to the desired flame height is all that is required to put the unit in service.

Do not permit fans to blow directly at the unit. Wherever possible, avoid open windows next to the units' sides or back. Avoid wall type fans which create air cross-currents within a room.

It is also necessary that sufficient air should be allowed to enter the room to compensate for the amount of air removed by any ventilating system. Otherwise, a subnormal atmospheric pressure will occur, affecting operation and causing undesirable working conditions.

A properly designed and installed hood will act as the heart of the ventilating system for the room or area in which the unit is installed, and will leave the unit independent of changing draft conditions.

All valves must be checked and lubricated periodically. This must be done by an authorized service representative in your area.

### Note:

Please wait at least 15 seconds to restart the main burners to maintain the best function of the thermostat valve after turning off the main burners.

### 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, the appliance requires IMMEDIATE service by a qualified service person and should not be used until such service is carried out.

## Cleaning and Maintenance

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### **CAUTION:**

Always turn off the gas supply before cleaning.  
This appliance is not water proof.  
Do not use water jet spray to clean this appliance.

### **GENERAL**

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

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

The entire trivets burner can be dismantled for cleaning.

### **NOTE:**

- DO NOT use abrasive detergents, strong solvents or caustic detergents as they could corrode or damage the Gas Hot Plate.
- In order to prevent the forming of rust on the trivets, and burners, ensure that any detergent or cleaning material has been completely removed after each cleaning.

### **DAILY CLEANING**

1. The drip tray should be checked and emptied frequently to prevent overflow and spillage. Remove the drip tray while still warm so that the grease is in a liquid state. Empty any grease from the trays and wash thoroughly in the same manner as any cooking utensil.
2. Remove the burner, the trivets and thoroughly clean the splash back, interior and exterior surfaces of the range with hot water, a detergent solution and a soft scrubbing brush.
3. Dry the Gas Hot Plate thoroughly with a dry cloth and polish with a soft dry cloth.

### **NOTE:**

- If the Hot Plate usage is very high, we recommend that the weekly cleaning procedure is carried out on a more frequent basis.
- Ensure that protective gloves are worn during the cleaning process.
- DO NOT use harsh abrasive detergents, strong solvents or caustic detergents as they will damage the grate and burners.
- Allow these items castings to cool and remove for cleaning.
- Parts protected by the manufacturer or his agent are not to be adjusted by the installer, unless the installer is an authorized service agent.

### **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.

## Cleaning and Maintenance

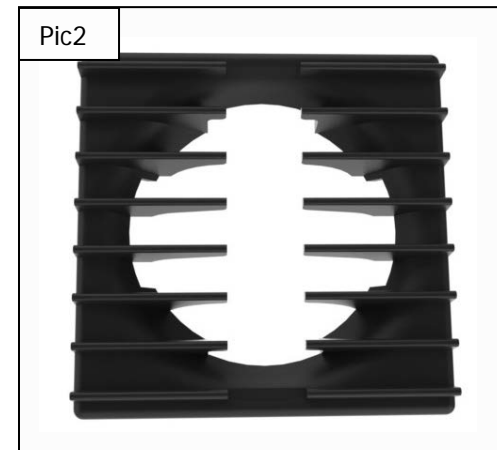
### Trivets and Burners

- a. Remove the trivets from the top of the appliance (Refer to pic1).
- b. Remove the burner from the top of the bracket of appliance (Refer to pic2).
- c. The 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.



### Stainless Steel Surfaces

- a. With the trivet and burners removed, clean the interior and exterior surfaces of the Gas Hot Plate with hot water, a mild detergent solution and a soft scrubbing brush. Note that the gas control knobs are a push fit onto the gas control valve spindles and can be removed to allow cleaning of the front of the control panel.
- b. Baked on deposits or dis-colouration may require a good quality stainless steel cleaner or stainless steel wool. Always apply cleaner when the appliance is cold and rub in the direction of the grain.
- c. Dry all components thoroughly with a dry cloth and polish with a soft dry cloth.



- d. To remove any dis-colouration, use an approved stainless steel cleaner or stainless steel wool. Always rub in the direction of the grain.
- e. Remove the drip tray and clean with a mild anti-bacterial detergent and hot water solution using a soft bristled brush.
- f. Dry the drip tray thoroughly with a dry cloth.

## Trouble Shooting

This section provides an easy reference guide to the more common problems that may occur during the 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 authorized 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 Code and the Serial Number of the appliance. (Both of them can be found on the Rating Plate located on the appliance).**

Fault	Possible Cause	Remedy
Pilot won't light.	No gas supply.	Ensure gas isolation valve is turned on, and that bottles are not empty.  Call the service provider.
Pilot goes out when gas control knob released.	Releasing knob before the thermocouple has heated.  Pilot flame too small. - Gas pressure too low. - Partially blocked pilot injector.  Thermocouple connection to the gas control is loose or faulty.  Thermocouple faulty.  Electromagnet in the rear of the gas control unit is faulty.	Hold knob in for at least 20 seconds following ignition of the pilot.  Clean or replace the pilot injector.  Tighten the thermocouple connection.  Check that the thermo couple is producing between 20-30mV.  Inspect and replace if not in good working order.  Call the service provider.
Main burner will not light.	Incorrect supply pressure.  Faulty gas control.	Call the service provider.  Call the service provider.

**NOTE:** Components having adjustments protected by the manufacturer are only to be adjusted by an authorized service agent. They are not to be adjusted by an unauthorized service person.

## Replacement Parts List

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### **IMPORTANT:**

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

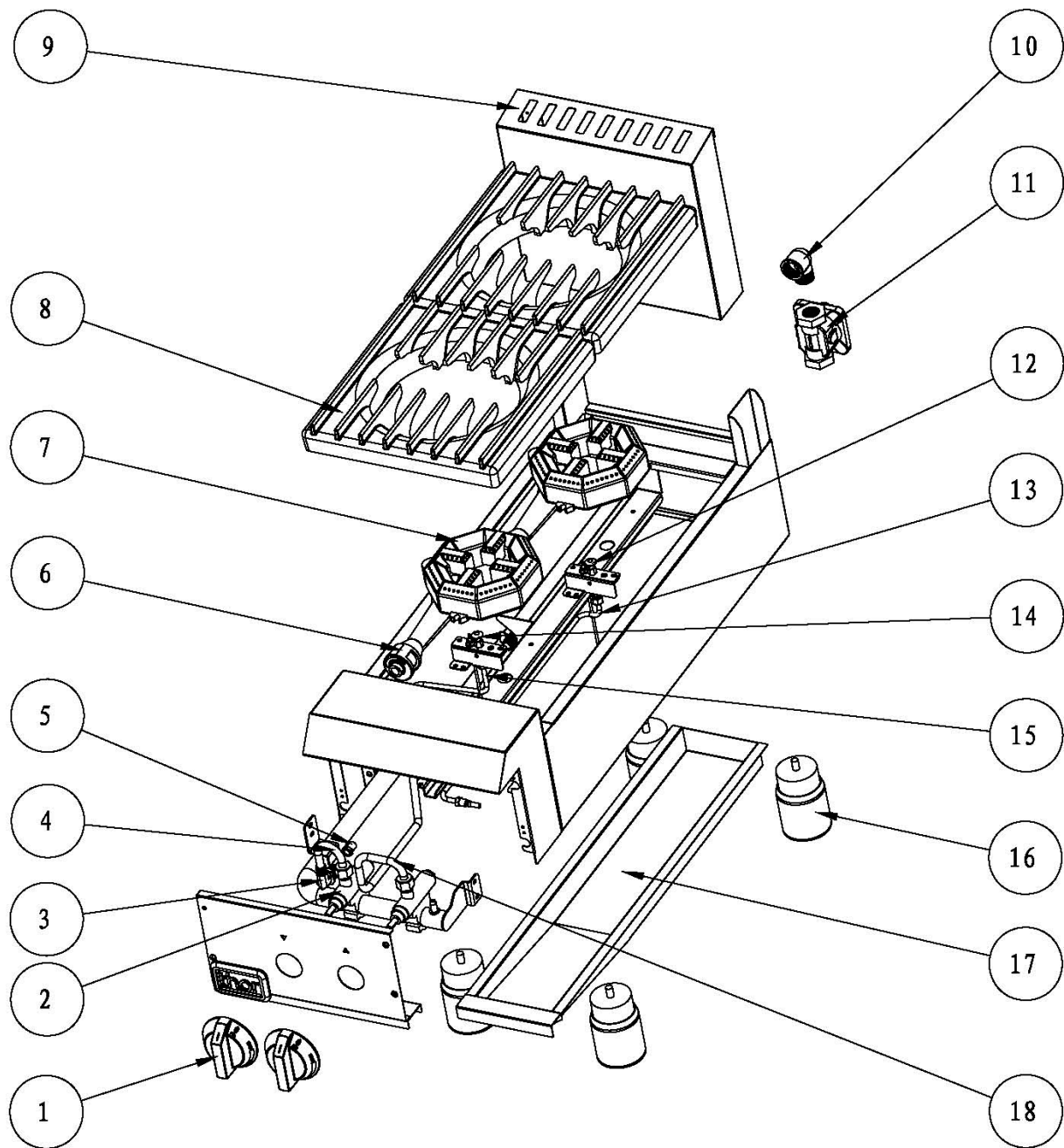
For further information and servicing instructions, contact your nearest authorized service branch.

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

**CAUTION: Please replace the corresponding warning label that shows the gas type operated when the qualified person will convert to another gas in order not to cause death or injury or damage.**

# Explosion Drawing

GE756-P / GE756-N



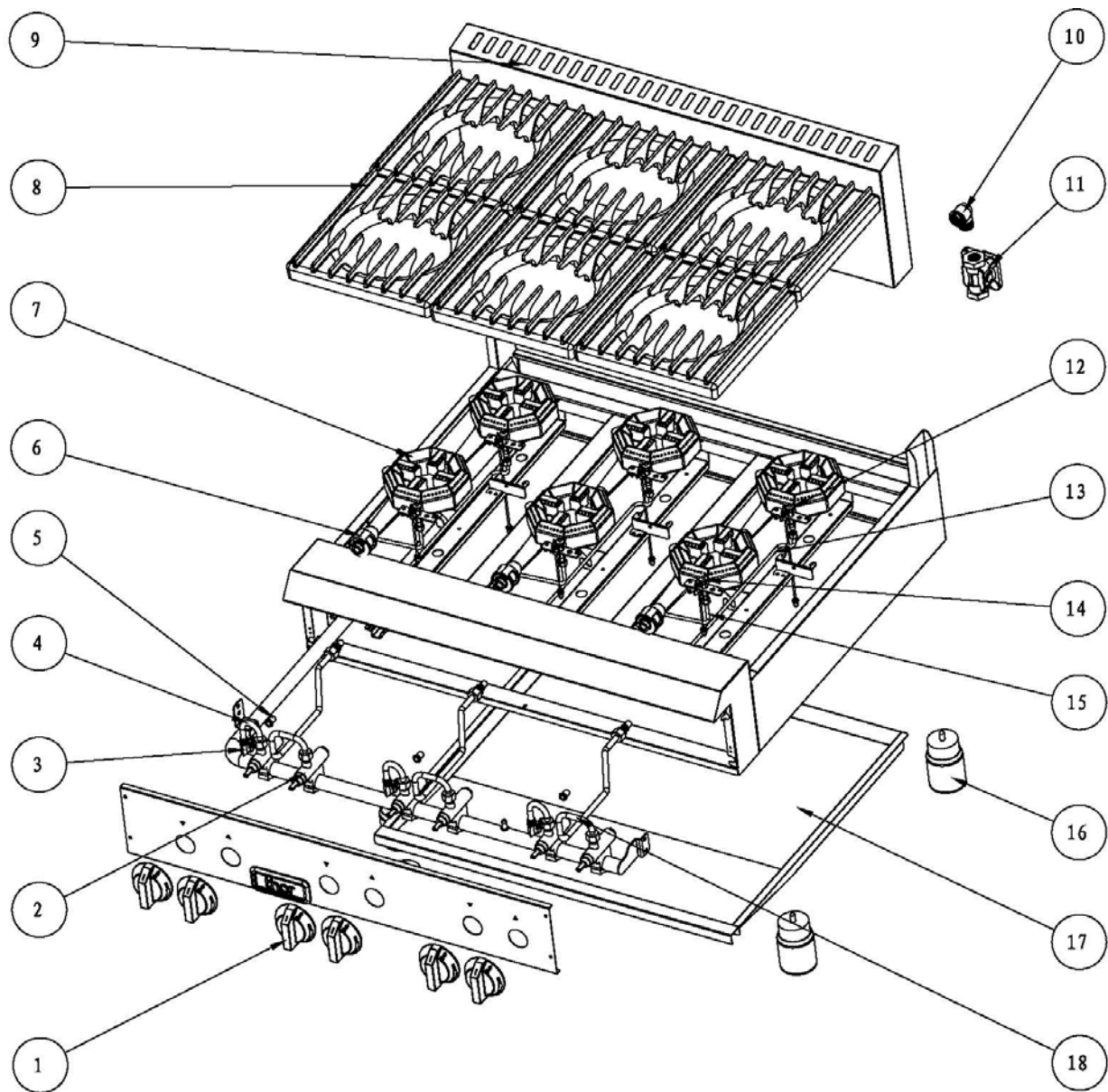


## Spare Parts List

NO.	DESCRIPTION	MODEL	CODE	QTY
1	Dial	GE756-P GE756-N	06.05.1471455	2
2	Safety Valve	GE756-P GE756-N	01.20.1068524	2
3	L Connector For Orifice	GE756-P GE756-N	01.18.1067404	1
4	Main Pipe Assy.- Front	GE756-P GE756-N	01.24.1070902	1
5	Orifice	GE756-P	01.20.1068652	2
		GE756-N	01.20.1068637	
6	Air Shutter	GE756-P GE756-N	01.02.1005356	2
7	Burner	GE756-P GE756-N	01.03.1015066	2
8	Trivet	GE756-P GE756-N	01.11.1062047	2
9	Flue Assy.	GE756-P GE756-N	06.05.1472409	1
10	L Connector For Manifold	GE756-P GE756-N	01.02.1005351	1
11	Regulator	GE756-P GE756-N	01.22.1069526	1
12	Flame Device System– Rear (No include injector)	GE756-P GE756-N	01.22.1069540	1
	ODS Injector-0.20	GE756-P	01.20.1068546	1
	ODS Injector-0.40	GE756-N	01.20.1068547	1
13	Pilot Pipe Assy.- Rear	GE756-P GE756-N	01.24.1070904	1
14	Flame Device System– Front (No include injector)	GE756-P GE756-N	01.22.1069539	1
	ODS Injector-0.20	GE756-P	01.20.1068546	1
	ODS Injector-0.40	GE756-N	01.20.1068547	1
15	Pilot Pipe Assy.- Front	GE756-P GE756-N	01.24.1070903	1
16	Foot	GE756-P GE756-N	01.02.1005187	4
17	Tray	GE756-P GE756-N	01.05.1029822	1
18	Main Pipe Assy.- Rear	GE756-P GE756-N	01.24.1070901	1

# Explosion Drawing

GE757-P / GE757-N



## Spare Parts List

NO.	DESCRIPTION	MODEL	CODE	QTY
1	Dial	GE757-P GE757-N	06.05.1471455	6
2	Safety Valve	GE757-P GE757-N	01.20.1068524	6
3	L Connector For Orifice	GE757-P GE757-N	01.18.1067404	3
4	Main Pipe Assy.- Front	GE757-P GE757-N	01.24.1070902	3
5	Orifice	GE757-P	01.20.1068652	6
		GE757-N	01.20.1068637	
6	Air Shutter	GE757-P GE757-N	01.02.1005356	6
7	Burner	GE757-P GE757-N	01.03.1015066	6
8	Trivet	GE757-P GE757-N	01.11.1062047	6
9	Flue Assy.	GE757-P GE757-N	06.05.1471865	1
10	L Connector For Manifold	GE757-P GE757-N	01.02.1005351	1
11	Regulator	GE757-P GE757-N	01.22.1069526	1
12	Flame Device System– Rear (No include injector)	GE757-P GE757-N	01.22.1069540	3
	ODS Injector-0.20	GE757-P	01.20.1068546	3
	ODS Injector-0.40	GE757-N	01.20.1068547	3
13	Pilot Pipe Assy.- Rear	GE757-P GE757-N	01.24.1070904	3
14	Flame Device System– Front (No include injector)	GE757-P GE757-N	01.22.1069539	3
	ODS Injector-0.20	GE757-P	01.20.1068546	3
	ODS Injector-0.40	GE757-N	01.20.1068547	3
15	Pilot Pipe Assy.- Front	GE757-P GE757-N	01.24.1070903	3
16	Foot	GE757-P GE757-N	01.02.1005187	4
17	Tray	GE757-P GE757-N	01.05.1029024	1
18	Main Pipe Assy.- Rear	GE757-P GE757-N	01.24.1070901	3

**Please keep this manual in a safe place for future use!**

**thor**

15 Badgally Road, Campbelltown

NSW 2560