GLEN DIMPLEX
AUSTRALASIA LTD

INSTALLATION AND OPERATING INSTRUCTIONS

Masport Geneva^2

INSTALLER: PLEASE LEAVE THIS MANUAL WITH THE CUSTOMER
CUSTOMER: PLEASE KEEP MANUAL FOR FUTURE REFERENCE

WARNING: If the information in these instructions are not followed exactly, a fire or explosion may result causing property damage and personal injury may result.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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Your Masport gasfire serial number is located on the stove label inside the door on the left hand side of the stove.

Mail your warranty card TODAY, and SAVE your RECEIPT. This card is included with the accessory package inside each firebox.

In order to receive full warranty coverage and to expedite service, Masport recommends that you save your receipt and attach it to this page.

By doing this you will have all the necessary information in the event that your stove may need warranty service.

Dealer _____

Installer _____

_____

Phone _____

Installation Date _____

Serial Number _____

_____

Introduction

Thank you for purchasing a *Masport gasfire* and welcome to the *Masport* family. Your new *Masport gasfire* will give you many hours of warmth and comfort. Please make sure you take a few minutes to read this owner's manual. It explains the steps required to safely assemble, install, operate, and maintain your new appliance. Proper installation, operation and maintenance will keep your *Masport gasfire* burning for years to come.

The *Geneva²* is one of the most advanced free standing gas stoves on the market. It is designed using the latest technology and manufactured to our highest quality standards.
Some of the many features are:

- Compact and easy to install.
- Adjustible flame control for varying flame aesthetics and heat output.
- Gas valve with remote capability, i.e. Standard wall mounted room thermostat or optional hand held remote control (check with your local dealer for availability).
- Heat activated convection fan with variable speed controller.
- Standard simulated brick firebox lining.
- Certified as a heating appliance. Therefore, the *Geneva²* is suitable for continuous operation for zone heating.
- Realistic three dimensional glowing flames with glowing three piece log set viewed through high temperature ceramic glass.
- Heavy-duty construction for long life and durability.
- Comprehensive warranty policy.

Listing & Codes

The *Masport gasfire Geneva²* is listed and certified for installation in New Zealand under the following standards:

- ANSI Z21.88b-2003/CSA 2.33b-2003, *Vented Gas Fireplace Heater.*
- CAN/CGA-2.17 M-91, *Gas-Fired Appliances for Use at High Altitudes*
- *NZS5262:2003*
- *NZS 4553-3.5.1*

Please contact *Masport* if you have any questions regarding the certification of this appliance.
This appliance, when installed must be electrically grounded in accordance with local codes

This appliance is for use only with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

Note: A copy of the certification label is provided here for your review. Due to constant upgrades it is possible that the information shown here may not coincide with the label as attached to the unit. In the event of a discrepancy between the labels, the label on the unit is considered as the correct one.

MASPORT GENEVA² GAS FIRE

	MODEL	FREESTANDING	
	GAS TYPE	NG	ULPG
GAS SUPPLY PRESSURE Max (kPa)		3.5	3.5
GAS SUPPLY PRESSURE Min (kPa)		1.2	3.0
GAS INPUT (MJ/h)		29.5	28
INJECTOR (mm)		# 37	# 53
PILOT JET (mm)		NAT	LP
MANIFOLD PRESSURE Max (kPa)		0.87	2.74
MANIFOLD PRESSURE Min (kPa)		0.37	0.87

MAXIMUM APPLIANCE INPUT PRESSURE: 3.5 kPa

SERIAL NO. 4 O

DISTRIBUTED BY:
GLEN DIMPLEX AUSTRALASIA LTD
38 HARRIS RD, EAST TAMAKI, AUCKLAND, NZ

N16269

589017

Lighting Instructions

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which is lit with a pushbutton piezo lighter. When lighting the pilot, follow these instructions exactly.
B. BEFORE LIGHTING, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier then air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:

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

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it; call a qualified service technician. Force or attempted repair may result in a fire or explosion.
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

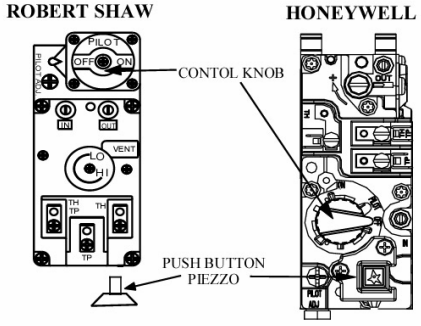
LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above.
2. Set the thermostat to the lowest setting.
3. Valve Controls are accessed by opening the panel on the right hand side of the pedestal.
4. Set the manual burner switch (located on the back of the unit) to the "OFF" position.
5. Push in gas control knob slightly and turn clockwise ↻ to "OFF".
6. Open Viewing Door. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
7. Turn control knob counterclockwise ↺ to "PILOT" position.
8. Depress control knob and push in Piezo ignitor button. Once pilot ignites, continue to hold the control knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 6 through 8.
   - If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
9. Close Viewing Door. Turn gas control knob counter clockwise ↺ to "ON". Turn on all electric power to the appliance. Set thermostat to the desired setting or set the manual burner switch to the "ON" position.

TO TURN OFF GAS TO THE APPLIANCE

1. Set the thermostat to the lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Push in gas control knob slightly and turn clockwise ↻ to "OFF". Do not force.

Note: Honeywell valve is equipped with a safety lock out, once in the off position you must wait until the thermopile has cooled down before attempting to light pilot. (Approximately 3 minutes)



WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency or your gas supplier

P/N 0092

Specifications

MODEL *Geneva²*	Natural Gas (NG)	LPG
Manifold Pressure high	0.87 kPa	2.74 kPa
Manifold Pressure low	0.37 kPa	0.87 kPa
Min. Supply Pressure for Purpose of Input Adjustment	1.2 kPa	3.0 kPa
Max. Supply Pressure for Purpose of Input Adjustment	3.5 kPa	3.5 kPa
Orifice Size	37# DMS	53# DMS
Nominal Input Rating	29.5 MJ/h	28 MJ/h
Primary Air Opening	3mm (Minimum).	3mm (Minimum).
Electrical Rating	240 V.A.C. System	240 V.A.C. System
Circulating fan	Variable Speed	Variable Speed
Vent System	100 x 170 mm	100 x 170 mm

	Geneva²—Stove Dimensions
WIDTH	22” / 559mm
HEIGHT	29.5” / 749mm
DEPTH	18” / 457mm

Warnings—Caution

IF THIS APPLIANCE IS NOT PROPERLY INSTALLED, A HOUSE FIRE OR EXPLOSION MAY RESULT. FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS. CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION REQUIREMENTS IN YOUR AREA. PLEASE READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW APPLIANCE. FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY OR DEATH.

Safe installation and operation always require common sense.

INSTALLATION AND REPAIR SHOULD BE DONE BY A QUALIFIED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC...

IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE APPLIANCE ARE KEPT CLEAN.

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

DO NOT USE THIS HEATER IF ANY PART HAS BEEN UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE HEATER AND TO REPLACE ANY PART OF THE CONTROL SYSTEM AND ANY GAS CONTROL WHICH HAS BEEN UNDER WATER.

"WARNING" Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.

YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE .

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

THE FLEXIBLE CORD PROVIDED MUST BE CONNECTED TO A LINE VOLTAGE ELECTRICAL SUPPLY.

ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING A ROOM HEATER MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE.

NEVER VENT THE APPLIANCE INTO OTHER ROOMS OR BUILDINGS. THE APPLIANCE MUST BE VENTED TO THE OUTSIDE ONLY.

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

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

Natural gas & LPG gas have odor additives for the purpose of leak detection through smell. This odor can fade with time. If the odor is reduced, it is possible to have a dangerous buildup of gas without your being able to smell it. If you are using any gas appliances in your home the manufacturer recommends that you have one or more UL approved gas detectors installed in your home. They should be installed by a qualified gas installer for safety purposes.

Installation Instructions—Safety

GENERAL SAFETY (HOMEOWNER)

- To clean the stove, make sure the appliance is off and cold. Remove the logs and embers. **The logs must be handled with extreme care, they are fragile.** Use a vacuum to clean burner and air openings in the bottom and back of the appliance. Carefully replace the logs and embers.
- Fire Extinguisher: Every home should have at least one fire extinguisher. An approved Class A-B-C extinguisher should be mounted on the wall near an exit and close to the appliance, but not so close that accessibility to the extinguisher could be blocked by a fire. Your local Fire Department can advise you concerning the most appropriate location.
- Smoke Detectors & Carbon Monoxide Detectors: Install at least one smoke detector on each floor of your home to ensure your safety. It should be located away from the gas appliance and close to the sleeping areas. Follow the smoke detector manufacturers placement installation and maintenance instructions. Your local Fire Department may provide assistance in selecting smoke detectors and CO-detectors. It is strongly recommended, for your family's protection, that a CO-detector be placed in all homes that utilize gas in any form.

FOR THE INSTALLER

1) Wear gloves and safety glasses for protection.
2) Exercise extreme caution when using ladders or when on roof tops.
3) Be aware of electric wiring locations in walls and ceilings.
4) **Use a back support when doing any heavy lifting.**

VENTING SAFETY

- The appliance vent should be enclosed when installed in or passing through a living area, where children may come in contact with it.
- Only vent terminations specified may be used with this stove.
- Venting terminals shall not be recessed into a wall or siding.

PLANNING YOUR INSTALLATION

Please note the following key points regarding the location of your appliance:

- A sufficient gas pressure is required to supply the unit with a minimum inlet pressure
- Allow adequate accessibility clearances for servicing and proper operation.
- Allow adequate clearance to combustibles.
- Consider the termination location.
- A suitable power outlet is required to provide power to the fan.

CLEARANCES TO COMBUSTIBLES

IMPORTANT: All clearances listed are the MINIMUM required and must be strictly followed.

This appliance is certified for installation on a solid combustible surface, such as a wood floor, vinyl or carpeting.

The following pages provide diagrams for safe clearances to combustibles.

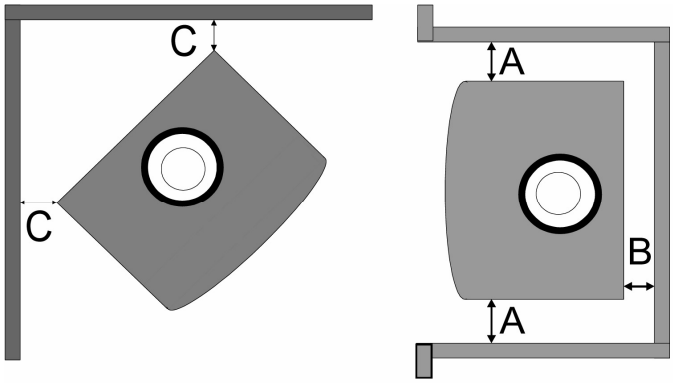
Ensure, as in any installation, that structural members are not cut or weakened during installation .

When installing the appliance in a mobile or manufactured home, it must be securely anchored to the floor by means of the anchor provided in the mobile home kit. Also ensure that proper grounding is provided by using a #8 grounding lug, wire and a star washer.

Installation Instructions

CLEARANCES TO COMBUSTIBLES

MODEL *Geneva²*		
A	Side Wall to unit side	275mm
B	Back wall to unit back	100mm
C	Corner to side wall	50mm



LOCATING YOUR STOVE

Minimum clearances listed above must be maintained. Also ensure that you have left clearance for servicing and that that the proposed termination location is correct.

VENTING

IMPORTANT: This appliance's venting system is room sealed, which means that there should be no provision to allow room air to be used in the combustion process.

Note: Only approved venting systems may be used with the Geneva².

PLANNING YOUR VENT INSTALLATION

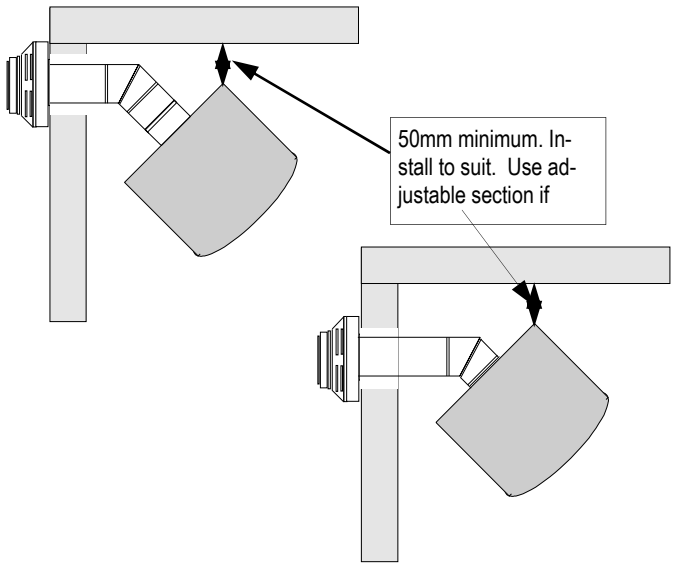
This type of direct vent system may terminate in one of two ways: Vertical termination using a vent cap, or Horizontally using a wall termination. There are limitations to the vertical and/or horizontal lengths. When calculating the length of the vent pipe from the outlet of the appliance to termination, allow for ceiling thickness, vertical rise in the attic or second story and sufficient vertical height above the roof.

Fire stops are required at each floor level the vent passes through.

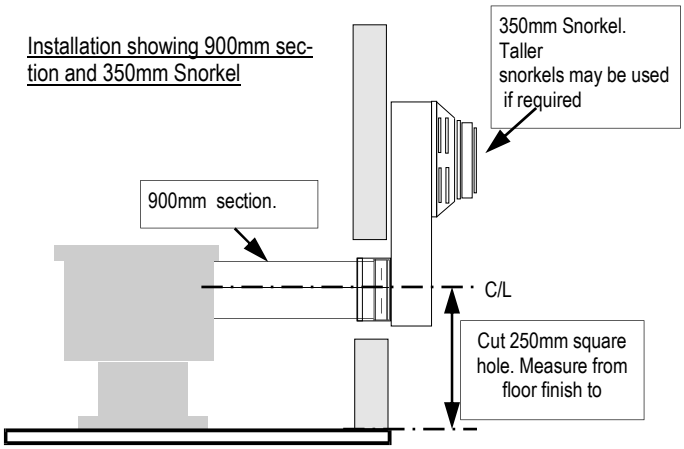
When carrying out vertical installations that require 45° elbows add additional pipe to allow for the offset.

REAR VENT—SNORKEL TERMINATION

Corner install showing 45° elbow either straight off back of unit or in mid section with snorkel kit.



MINIMUM VERTICAL RISE	350mm
MAXIMUM HORIZONTAL RUN	900mm When using 350mm Snorkel One 45° elbow may be used for corner installs.

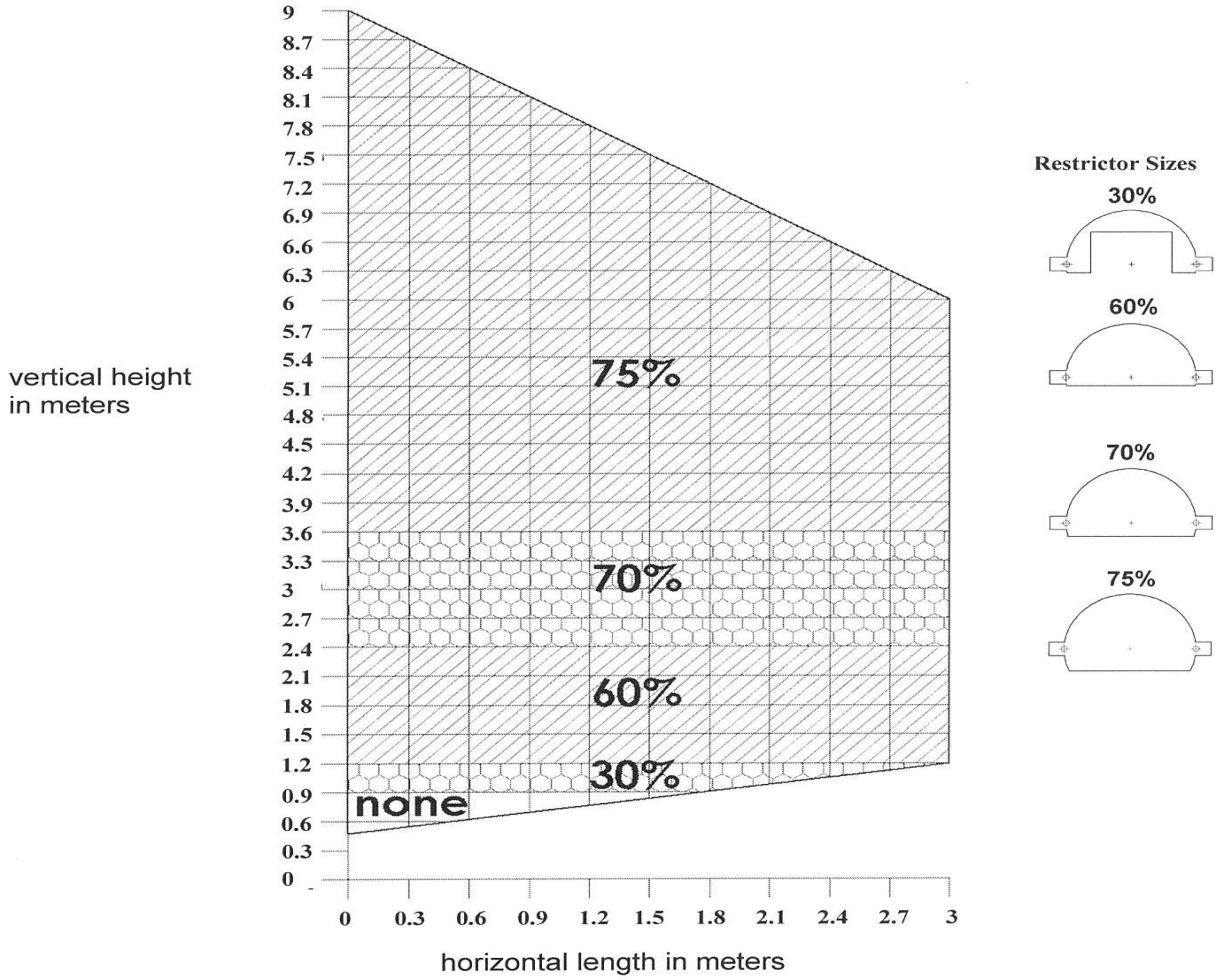


Follow venting manufacturer 's instructions and adhere to all local codes, authorities and standards for your installation.

MAXIMUM VERTICAL RISE	9 m Using (measured from the top of the stove)
MAXIMUM HORIZONTAL RUN	3 m with minimum 1.2 m vertical rise (measured from the top of the stove).

Top Vent with 1 - 90 Degree Elbow, 2 - 45 Degree Elbows or Straight Vertical Installations

Vent Chart (ft)



Installation Instructions

WARNING: A minimum clearance of 50mm to combustibles must be maintained around the vent pipe on horizontal pipe runs and 25mm on vertical runs.

Install the flue in accordance with the instructions accompanying it, taking care to provide safety clearances specified in the instructions. The installation must meet the requirements of AS5601 (AG 601) or NS5261 as appropriate..

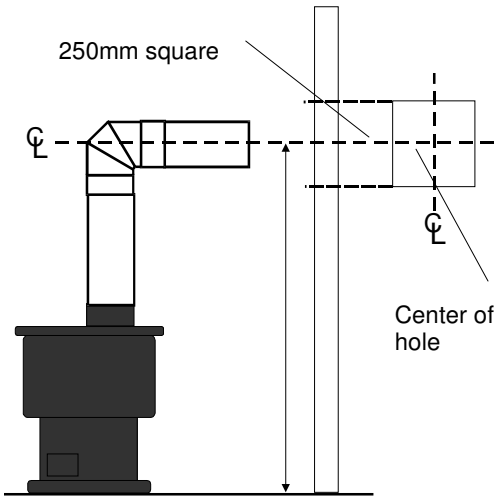
Assemble the vent system using the desired combination of sections and fittings required for your particular installation. While you are assembling the pipe bear in mind the best visual appearance. Seams should be aligned and hidden as much as possible.

Note: As this system is a sealed system, a high temperature sealing compound must be used to seal the metal to metal joint.

Horizontal Wall Vent Terminations

The position of the horizontal vent termination must be positioned to meet all local building codes (see termination chart on page 15)

Attach the correct length of vertical section pipe and an elbow fitting to the stove. Mark the center line of the pipe facing the wall (allowing for a 3mm rise per 100mm of horizontal run). Example 3m of horizontal would require a rise of approximately 90mm.
NOTE: ALLOWING THE VENT PIPE TO SLOPE DOWN TOWARDS THE VENT TERMINATION COULD CAUSE POOR COMBUSTION AND/OR HIGH TEMPERTURES THAT MAY PRESENT A FIRE HAZARD. Mark a 250mm x 250mm square around the center mark (inside dimensions).
Cut and frame the exterior wall to accept the wall penetration heat shield. Install the penetration shield using wood screws. If the wall being penetrated is constructed of non-combustible material a 180mm hole sufficient for the vent.



Complete the installation by applying a bead of mastic around the outer edge of the vinyl standoff. With the termination cap installed you can now connect the completed vent assembly by sliding the unit back towards the wall and carefully inserting the pipe into the terminal. Before the final connection is made slide on the decorative wall thimble. Secure the termination cap by securing the termination straps to the pipe as close to the exterior wall as possible using sheet metal screws. Ensure that the straps are hidden by the wall thimble cover. Apply decorative trim if required.

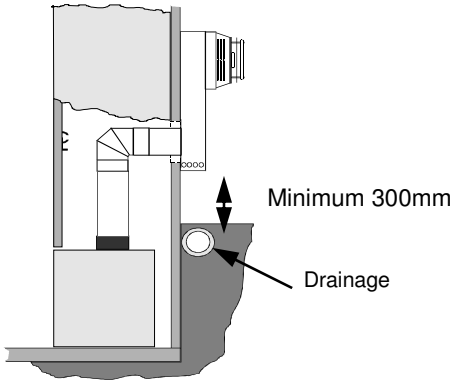
Installation Instructions

Before sliding the pipe into the termination ensure that you slide the decorative wall thimble cover and penetration heat shield over the pipe.

Slide the pipe into the vent, making sure there is at least 25mm overlap between the pipe and the terminal. Attach the pipe by attaching two sheet metal screws through the termination straps and into the pipe.

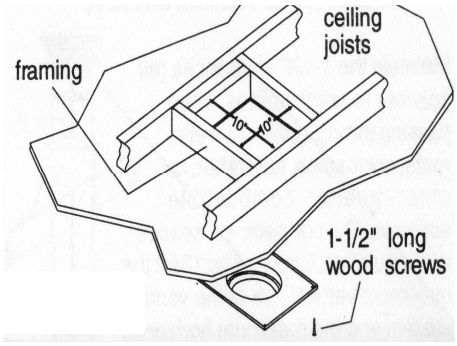
Basement Installations

To achieve the minimum vertical rise a 350mm or 900mm snorkel may be used. Where the bottom of the terminal may be blocked by snow etc ensure provision is made for adequate drainage.

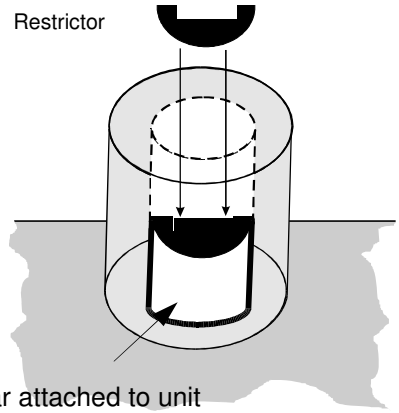


Vertical Installations

Always maintain the 25mm clearance around the vent pipe (vertical), when passing through ceilings, walls, roofs, enclosures, attic rafters or any combustible surfaces.
DO NOT PACK AIR SPACES WITH INSULATION.
Refer to the vent chart for maximum allowable vertical and horizontal installations.
When planning your installation determine if ceiling joists, roof rafters or other framing will obstruct the vent system. You may have to use 45° elbows to navigate around any obstacles. When passing through a flat ceiling install a Box/Wall thimble. Cut a 250mm square hole and frame as shown in the diagram opposite.



NOTE: ALWAYS CHECK YOUR LOCAL CODES BEFORE INSTALLING VENTING. NECESSARY CLEARANCES AND REQUIRMENTS MAY VARY

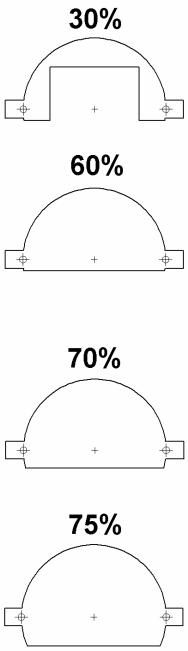


100mm Collar attached to unit

Vent Restrictors

Due to the extra flow produced by certain venting configurations vent restrictors must be placed in the vent to maintain performance. The vent restrictors come in four sizes. When your installation requires a vent restrictor the correct restrictor is placed inside the vent adaptor collar on the unit. Proper instructions for installing a vent restrictor are included in the vent restrictor kit.

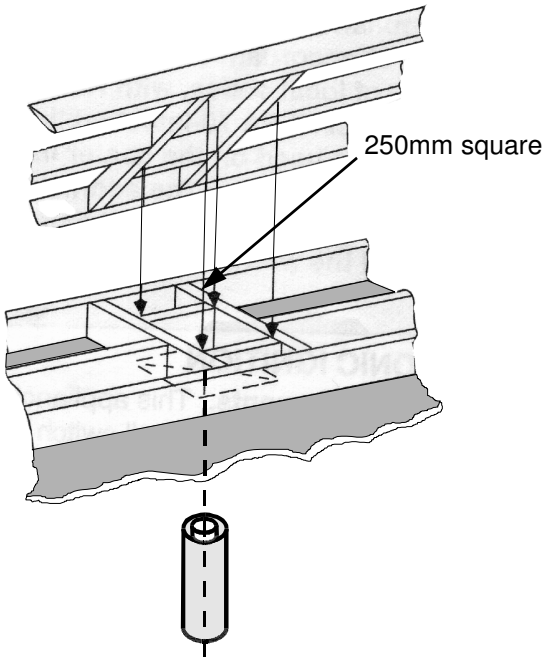
Restrictor Sizes



Installation Instructions

Through Roof Framing

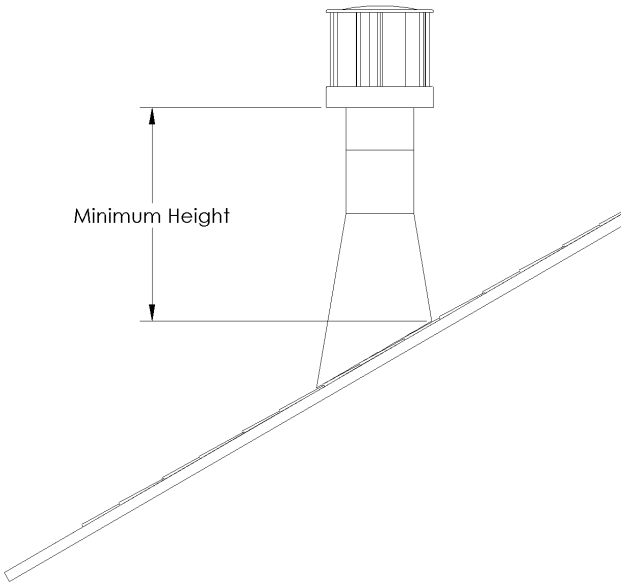
Maintain 250mm opening relative to the pitch of the roof.



Use a suitable round or square support through the roof. Ensure adequate heat shield protection is provided.

Termination Above Roof

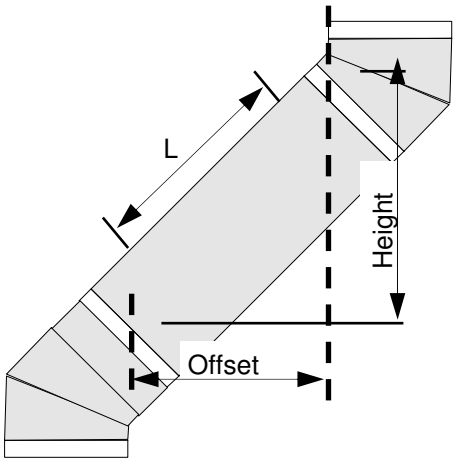
Consult local codes for minimum vent cap height above the roof, vent must be a minimum 50mm from any wall.



To prevent water seepage install the flashing with upper portion slid under the roofing material and the lower portion over the roofing material.
Note: Do not fasten down until the final adjustments to the vent have been made.

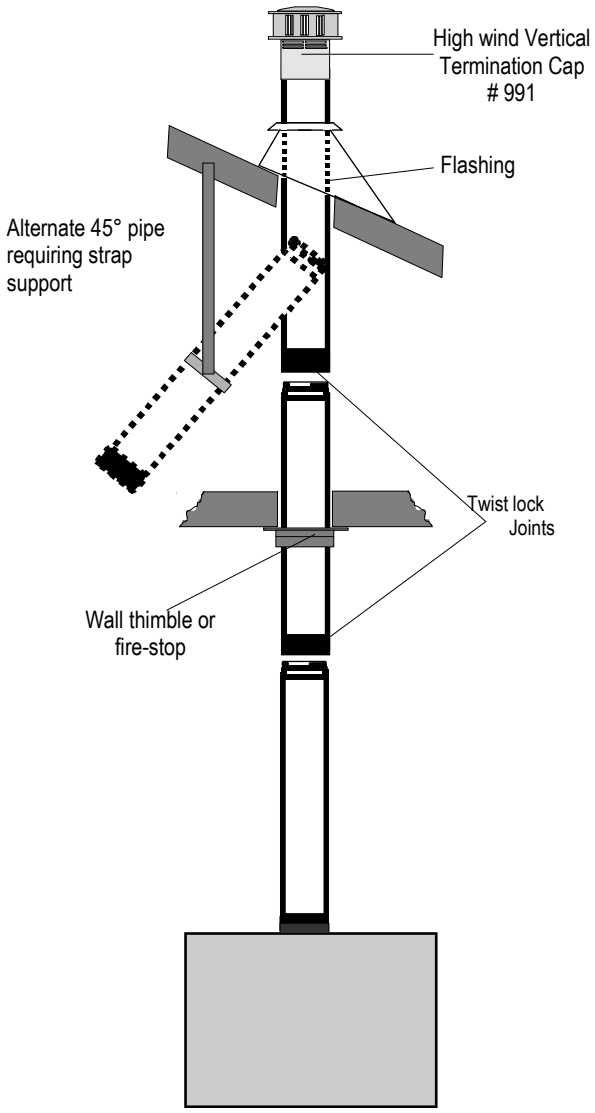
Installation Instructions

Offset Chart



Offset chart for 45° Elbows					
Offset		**Pipe Length (L)**		**Height**	
inches	**mm**	**inches**	**mm**	**inches**	**mm**
4 3/4	121	0	0	13 1/4	337
9	229	6	152	17 1/2	445
11 1/4	286	9	229	19 1/2	495
13 1/4	337	12	305	21 3/4	552
21 3/4	552	24	610	30 1/4	768
30 1/4	768	36	914	39	991
38	965	48	1219	47	1194

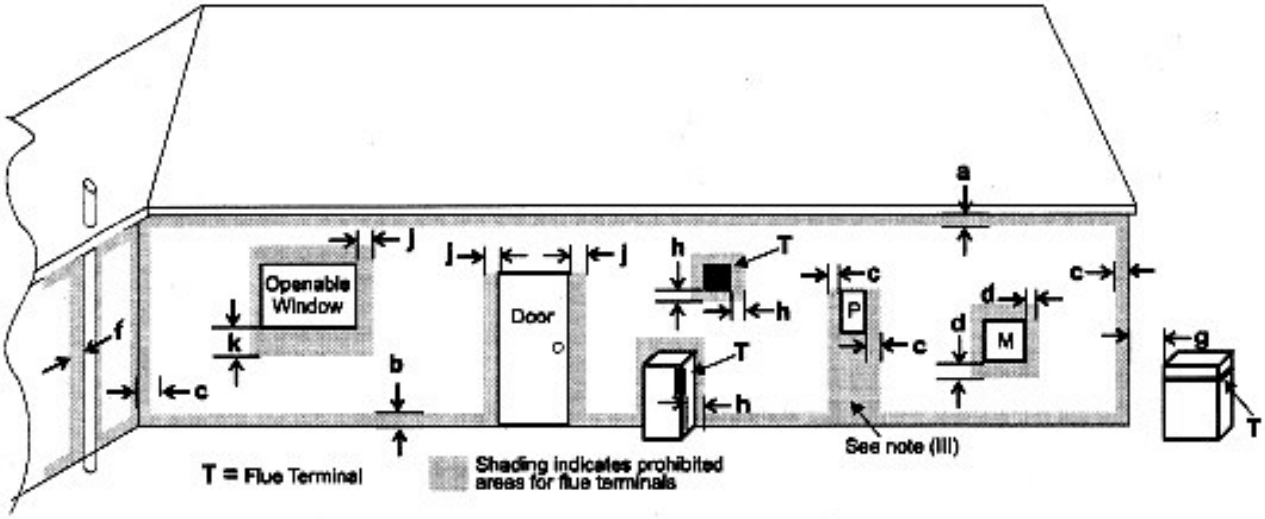
Typical vent Installation



Seismic Restraint

New Zealand Regulations require that flued gas heaters be secured to prevent shifting in the event of an earthquake. This is done by fastening the heater to the floor right through the floor protector if one is fitted. Fasten with two screws not less than 6mm diameter.

EXTERIOR FLUE TERMINATION LOCATIONS



Minimum clearances required for balanced flue terminals or the flue terminals of outdoor appliances according to AG 601 (AGA gas installation code) or NZS 5261 (New Zealand)

		Minimum Clearance (mm)
a	Below eaves, balconies or other projections:	
	- Appliances up to 50 MJ/h input	300
	- Appliances over 50 MJ/h input	500
b	From the ground or above a balcony	300
c	From a return wall or external corner	500
d	From a gas meter (M)	1000
e	From an electricity meter or fuse box (P)	500
f	From a drain or soil pipe	150
g	Horizontal from any building structure (unless appliance is approved for closer installation) or obstruction facing a terminal	500
h	From any other flue terminal, cowl or combustion air intake	500
j	Horizontally from an openable window, door, or non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation (see also Note (I)):	
	- Appliances up to 150 MJ/h input	500
	- Appliances over 150 MJ/h input	1500
k	Vertically below an openable window, door, or non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation (see also Note (I)): see table below	

Clearance 'k' in mm			
Space Heaters	All Other Appliances		
Up to 50 MJ/h input	Up to 50 MJ/h input	Over 50 MJ/h input to 150 MJ/h input	Over 150 MJ/h input
150	500	1000	1500

NOTES:
(I) For mechanical air inlets, including spa blowers, the clearance 'j' and 'k' shall be 1500 mm in all cases.
(II) All distances shall be measured vertically or horizontally along the wall to a point in line with the nearest part of the terminal.
(III) Prohibited area below electricity meter or fuse box extends to ground level.
(IV) A flue terminal of this type shall not be located under a roofed area unless the roofed area is fully open on at least two sides and a free flow of air at the appliance is achieved.

Installation Instructions (Gas Supply)

Pedestal Cover Removal

The pedestal cover must be carefully removed to access the gas valve and connections. To remove the pedestal cover remove the 4 screws on the sides of the pedestal. Carefully lift the pedestal cover slightly as you pull it forward off of the unit. The lifting is required so that you do not scratch up the base. When the cover is removed you should have easy access for connections and testing purposes. When placing the pedestal cover back on the unit, use the same caution. Carefully lift the cover and slide it over the pedestal, so that you do not scratch the base. Then replace the 4 screws on the sides of the pedestal.

ONLY PERSONS LICENSED TO WORK WITH GAS PIPING MAY MAKE THE NECESSARY GAS CONNECTION TO THIS APPLIANCE. YOU ARE NOW READY TO HOOK UP THE GAS SUPPLY. BE SURE GAS PLUMBING INSTRUCTIONS AND ALL STATE/PROVINCIAL AND LOCAL CODES ARE CAREFULLY FOLLOWED. USE APPROVED FLEXIBLE GAS CONNECTIONS OR RIGID PIPING, DEPENDING ON PROVINCIAL AND LOCAL CODES, TO ATTACH BURNER TO GAS SUPPLY. BE SURE TO USE PROPER SIZE GAS SUPPLY LINE. CAREFULLY CHECK ALL CONNECTIONS FOR GAS LEAKS WITH SOAP AND WATER SOLUTION.
EACH INSTALLATION MUST CONFORM TO ALL LOCAL, STATE/PROVINCIAL AND NATIONAL CODES. REFER TO THE NATIONAL FUEL GAS CODE, LOCAL ZONING AND CODE AUTHORITIES FOR DETAILS ON INSTALLATION REQUIREMENTS.

EXISTING GAS SUPPLY

Before interrupting the existing gas supply it is recommended that the following be checked.

- Shut down all gas appliances and carry out a pressure test to insure there are no existing leaks in the system.
- Before connecting the appliance to the gas supply line, double check that the appliance you have purchased is designed for the gas type you are using. The gas type markings are located on the certification label and also on the appliance's gas valve.
- Check the gas pressure to insure you will be able to supply the minimum inlet pressure for the appliance.
- Check your pipe sizing to insure sufficient volume will be supplied to the appliance.

GAS SUPPLY INSTALLATION

Provide adequate clearance for proper installation and checking of the gas connections.
Have your gas supplier or a qualified gas fitter run a gas supply line into the gas appliance. The line must be properly sized and fitted according to the installation codes. The installation must provide an easily accessible manual shut-off valve, upstream of the appliance supply connection.
When test pressures in excess of 3.5 kPa are used, the appliance and its individual shut-off valve must be disconnected from the gas supply piping system. When test pressures are equal to or less than 3.5 kPa, the appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve. Failure to follow these instructions will damage the appliance's gas valve. **Such damage is not covered by the manufacturer's warranty.**

Check for proper gas supply pressure by loosening the set-screw on the inlet pressure tap (marked **IN**) on the gas valve with a small screw driver and placing a test gauge on the tap.
The minimum permissible gas supply pressure is 1.24 kPa for natural gas and 3.00 kPa for LPG. Maximum gas supply pressure should never exceed 3.5 kPa for both natural gas and LPG.

BE SURE TO TIGHTEN THE PRESSURE TAP SET-SCREW AFTER CHECKING THE PRESSURE. CHECK ALL GAS CONNECTIONS FOR GAS LEAKS.

Installation Instructions

PIPING DETAIL

Gas Connection:

- ***Masport recommends that gas connections be made by a licensed and qualified installer.***
- The gas connection supplied is 1/2". The supply pipe can be either rigid or listed flexible connection and/or copper tubing if allowed by state/provincial and local codes.
- For installation and piping requirements, refer NZS 5261
- Provide a union downstream of the appliance shut-off valve to allow disconnection of the burner assembly for servicing.

AERATION ADJUSTMENT

IMPORTANT: Aeration adjustment is critical to the correct functioning of the appliance. Carbon build up, flame lift or any malfunction due to the aeration not being correctly adjusted during installation is NOT covered under the warranty

CAUTION: Parts requiring adjustment during operation may be hot.

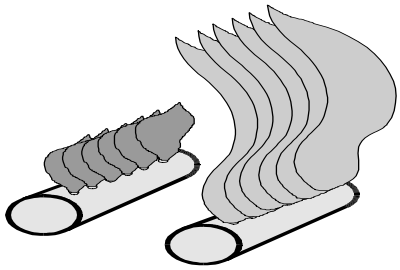
Adjust the air shutter (lever hanging under firebox) as follows:

- Remove fan plate from the back of the pedestal.
- Loosen the Robertson (square drive) screw nearest to where the main gas line attaches to the burner.
- Slide the lever forward for more air and backward for less air. This lever is coupled to the air adjust plate near the main orifice.
- Tighten the Robertson screw when the setting is correct.
- Replace the fan plate.

Note: Aeration is factory set but may need adjustment for altitude or movement during shipping.

FACTORY SETTING	
Natural Gas	3.0 mm Open
LP GAS	3.0 mm Open

Flame Picture



Open -Soft blue flame Closed - tall yellow flame

GAS SUPPLY PRESSURE			
Natural Gas	Minimum 1.24	Maximum 3.50	
LP GAS	Minimum 3.00	Maximum 3.50	

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

Installation Instructions

THERMOSTAT

WARNING: The gas valve of this appliance operates on a millivolt system and is not intended to be connected to any other power source.

If required, a wall thermostat may be installed. Masport provides a thermostat but any CSA, ULC or UL approved 250-750 millivolt rated, non-anticipator type, thermostat may be used.
It is important to use the correct gauge wire when installing your thermostat.

OPTIONAL REMOTE

A remote control device may be available from your local dealer. Follow the directions supplied with the remote. It is important to keep the receiver away from extreme heat. Remote devices may be used with appliance, however Masport does not guarantee the operation of such units or the effect they may have on the performance of this

See wiring diagrams for details on valve connections.

Note: When installing a remote control or wall switch use the correct gauge of wire. See table below.

Wire Size	Max. Length
2.0mm	15m
1.6mm	10m
1.0mm	6m
0.9mm	4m
0.7mm	3m

WARNING
Electrical Grounding Instructions

This appliance is equipped with a three prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three prong receptacle . Do not cut or remove the grounding prong from this plug.

LOGSET INSTALLATION

CAUTION: Only the log set supplied by the manufacturer may be used with this appliance. The log set MUST be installed as described in this manual.
WARNING: Dangerous operating conditions may occur if these logs are not positioned in their approved locations. If logs are broken, do not operate the unit until they are replaced.

The Masport *Geneva²* comes complete with the following Logs.

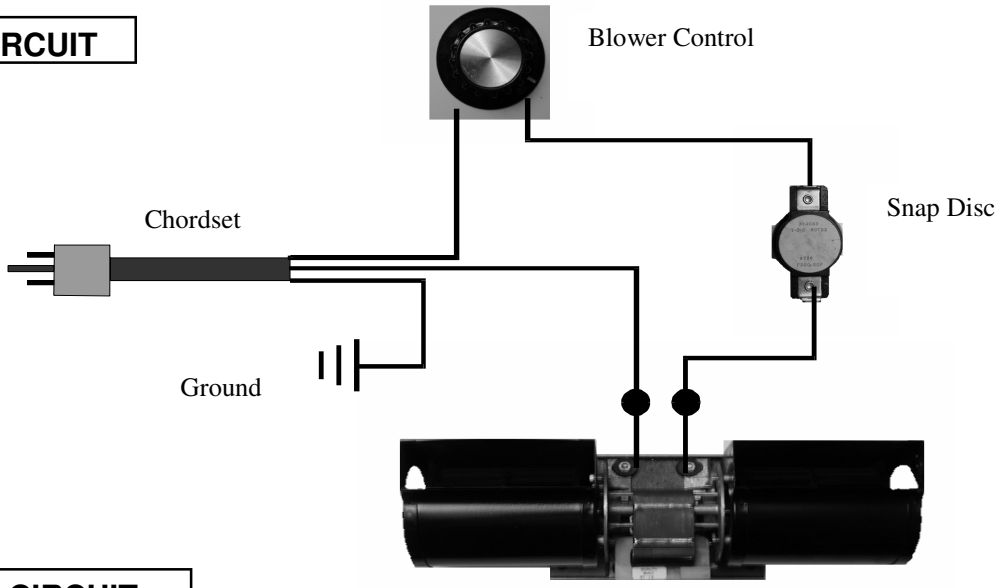
Install the logs in the following order:
1. Place the rear log on the back support shelf. Ensure it is pushed back against the rear brick panel

2. Locate the front log onto the pins provided on the front log support.

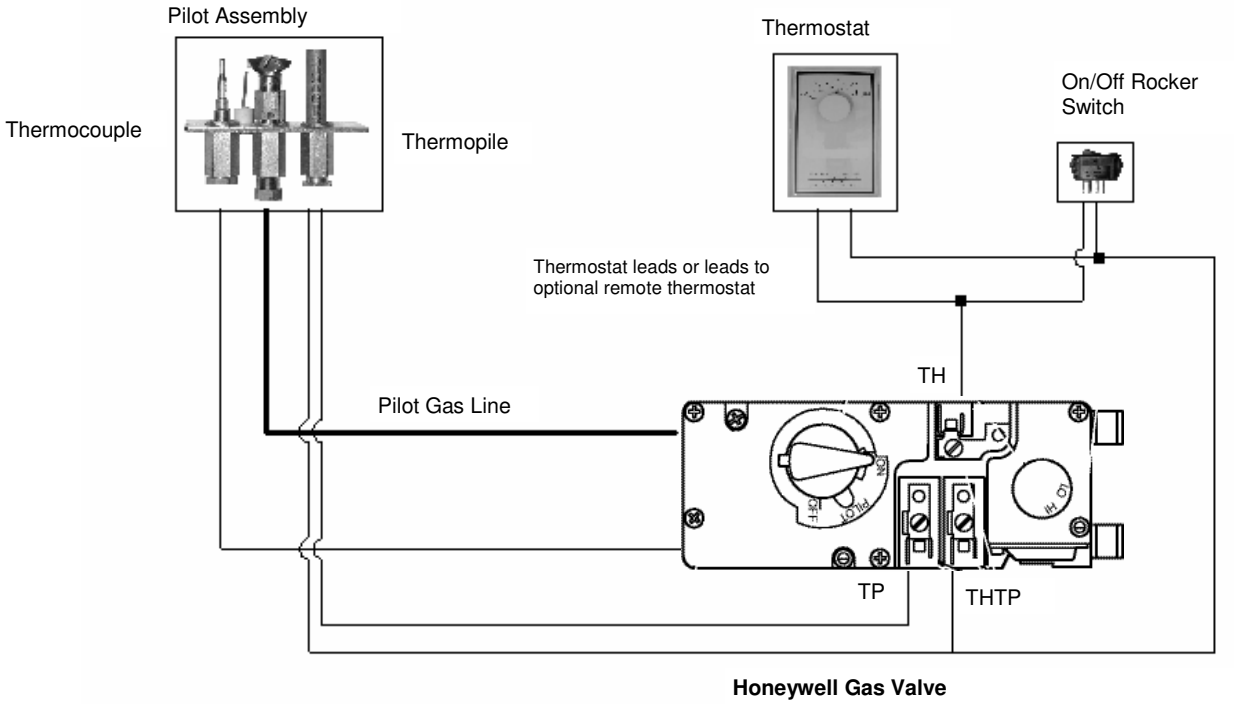
Wiring Diagrams

Observe good wiring practice: Label all wires prior to disconnection when servicing controls. Wiring errors can be dangerous and cause damage to the unit.

240 VOLT CIRCUIT



MILLIVOLT CIRCUIT



Honeywell Gas Valve

Operating Instructions

Pre– Start Up Checks

FOR YOUR SAFETY READ - BEFORE LIGHTING

WARNING
IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY AND/OR PERSONAL INJURY

DO NOT: Use tools to operate controls, only use your hand to push in and turn the controls.

DO NOT: Try to repair the appliance. Call a qualified service technician.

DO NOT: Use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and replace any part of the gas control system which has been under water.

DO NOT: Use this appliance if you smell gas.

WHAT TO DO IF YOU SMELL GAS:

- OPEN WINDOWS.
- DO NOT TOUCH ANY ELECTRICAL SWITCH; DO NOT USE THE PHONE IN YOUR BUILDING.
- EXTINGUISH ANY OPEN FLAME.
- IMMEDIATELY CALL YOUR GAS SUPPLIER FROM A NEIGHBOR'S PHONE AND FOLLOW THE GAS SUPPLIER'S INSTRUCTIONS.
- IF YOU CANNOT REACH YOUR GAS SUPPLIER, CALL THE FIRE DEPARTMENT.

WARNING—Do not operate appliance with the viewing glass removed, cracked or broken. Viewing glass must be replaced / repaired by MASPORT . For replacement please contact your local dealer or Masport to make arrangements to have your viewing glass replaced / repaired. Glass breakage due to slamming the viewing door or abusing your unit, is not covered under warranty.

Operating Instructions

FINAL CHECK

INSTALLER: Before leaving the appliance with the customer, you must check the operation of the appliance:

- **Check correct BTU rating by clocking the appliance at 15 minutes (see certification label).**
- **Check flame picture. Adjust primary air if required (see page 16).**
- **Take time to go through the operation of this unit with the customer.**

- NOTE: When first fired, the unit will produce an odor. This is normal and is part of the paint curing process, it may be noticeable for at least 4 hours. It is recommended that you open a few windows to ventilate the room. During the first hour smoke detectors in the house may be set off.
- Following the initial burn-in period, the glass panel may require cleaning.
- **CAUTION: Do not clean the glass when the appliance is hot!**
- When the appliance is cold, firing may cause the glass to fog up. This is due to condensation and is normal.
- Make yourself familiar with these instruction before operating the appliance.
- Check any loose electrical wires that may cause a shock.
- Check around the appliance for gas leaks. IF YOU SMELL GAS, follow the instructions on the front cover of this manual.
- Check to see that logs are correctly positioned. The pilot light should be visible.
- Check to make sure that venting is secure.
- Check all external parts, such as grills, doors and control cover are properly attached and fastened.
- **CAUTION: Do not turn the unit off and on again without a minimum of a 60 second wait between firing.**

Make sure you read this entire manual, especially the lighting instructions on page 5, before you begin stove operation.

Keep in mind that your thermostat will only work to control your stove if the ON/OFF rocker switch is set to the "OFF" position. The "ON" position will prevent the thermostat from controlling the stove. When you are lighting your pilot your thermostat should be set to the lowest level and the ON/OFF rocker switch should be set to "OFF".

ON/OFF rocker switch

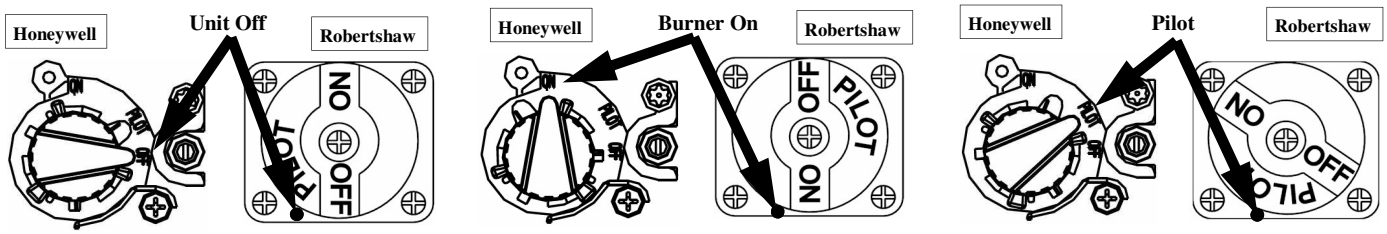
TEMPORARY SHUT-DOWN

To turn off the main burner only, set the thermostat to the lowest setting or turn remote switch to **OFF**. Press and turn the knob clockwise ↻ to **PILOT** position.

COMPLETE SHUT-DOWN

Press and turn the knob clockwise ↻ to the **OFF** position.

CONTROL KNOB POSITIONS



Operating Instructions

FAN OPERATION

- The convection fan speed control is located on the back of the unit. Turning the control knob all the way counterclockwise will turn off the convection fan. Adjust the blower to the desired speed.

NOTE: The fan will turn on once the unit has reached operating temperature. This prevents the discharge of cold air.

NORMAL OPERATING SOUNDS

- FIREBOX: You may hear some cracking or ticking sounds on start-up and shut-down. This is due to the expansion and contraction of the steel in the firebox.
- BLOWER: We use high efficiency fans in our appliances. You may hear a whirring sound when the fan turns on. This will decrease or increase depending on the speed setting of the fan.
- PILOT FLAME: You may detect a very slight whisper sound from the pilot when it is turned on.
- **These are all normal sounds associated with this type of appliance and should not be considered as defects.**

IMPORTANT - GLASS CLEANING - WHITE MINERAL DEPOSITS

One of the byproducts of the combustion process in a gas appliance, is a mineral which can show up as a white film on the ceramic glass of the viewing door. The composition of the deposit varies widely from various locations and also from time to time in the same location. You may have the problem for a time and then not see it for many months when it will reappear in your area. It seems this is associated with the varying sulfur content of the gas. We have discussed this problem with ceramic glass manufacturers and they cannot give us a definitive answer to this problem. Dealers have tried various cleaning products with varying results. The following recommendations will not guarantee results in your particular case. **Ensure the stove is completely cooled before any glass service work is attempted.**

1. Clean the glass regularly as soon as you notice the buildup (white film). If the film is left for a long period of time build up will bake on. It is then much harder, if not impossible, to remove.
2. NEVER use an abrasive cleaner on the ceramic glass. Any abrasion of the surface has the immediate effect of lessening the strength of the glass. An emulsion type cleaner is recommended.
3. Use a soft damp cloth to apply the cleaner. Dry the glass with a soft, dry, preferably cotton cloth. Most paper towels and synthetic materials are abrasive to ceramic glass and should be avoided.
4. Our dealers have had good results from the products listed below. We can not however guarantee the results of these products.
   a) BRASSO
   b) POLISH PLUS by KEL KEM
   c) COOK TOP CLEAN CREME by ELCO
   d) WHITE OFF by RUTLAND

NOTE: This is a problem beyond Masport 's control and is not covered under warranty.

NOTICE: COLD WEATHER OPERATION

When using any gas appliance (LPG or NAT Gas) water is a byproduct of the combustion process. Under normal conditions this moisture is expelled through the vent into the atmosphere and does not cause any harm. In extreme cold weather the vapor may condense and freeze on any exposed surface it comes into contact with. This can cause a problem by restricting or blocking the vent, particularly with direct vent wall terminations as the exhaust is only a few inches away from the outside wall surface. What happens to the moisture after it leaves the vent cannot be controlled by the manufacturer. To extend the vent further out from the wall can sometimes but not always be an advantage. Extending the vent out from the wall may present other design problems such as ice falling from the eaves above. It is the homeowners responsibility to ensure that there is not an excessive build-up of ice on the termination.

CAUTION: WHEN OPERATING YOUR APPLIANCE DURING COLD WEATHER YOU MUST FREQUENTLY CHECK THE EXHAUST CAP FOR EXCESSIVE ICE BUILD UP.

If the appliance begins to operate abnormally—Poor flame pattern, shutting down, etc…, this could be an indication of ice build up.

Maintenance

CAUTION: NEVER CLEAN THE APPLIANCE WHEN IT IS HOT. ANY SAFETY SCREEN OR GUARD REMOVED FOR SERVICING MUST BE REPLACED PRIOR TO OPERATING THE APPLIANCE. DO NOT USE ANY SUBSTITUE MATERIALS.

FREQUENCY OF SERVICE

Regularly:

- Clean and remove any lint accumulations or debris from the grills and combustion or convection air passage ways.
- Keep the appliance area free from combustible materials, such as paper, wood, clothing, gasoline, flammable solids, liquids and vapors.
- Visually check the height and color of the burner and pilot flames.
- Check for unusual noises or odors during operation of the appliance.
- Check the vent terminal for any damage, or obstruction by plants or debris accumulation.

Once a Year:

- Open the door assembly and clean the inside of the glass with a soft, non-abrasive cloth and water or a suitable, mild, non-abrasive cleaner.
- Carefully remove the logs and gently brush off any loose carbon deposits. This job is best done outside the house, wearing a dust mask.**The logs are very fragile, take care not to break them**. After cleaning, the logs must be replaced as per the instructions in this manual.

Have a qualified service technician:

- Completely inspect the appliance and the venting system.
- Clean and remove any lint accumulations or debris in the firebox, on the burners, on the pilot, at the primary air opening, on the convection air blower and in any combustion and convection air passage ways.
- Check the safety system of the gas valve.

Pedestal Cover Removal

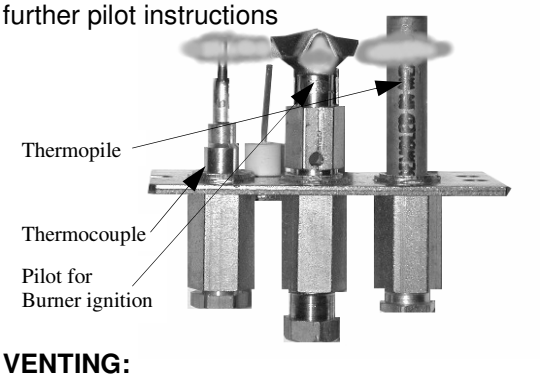
The pedestal cover must be carefully removed to access the gas valve and connections. To remove the pedestal cover remove the 4 screws on the sides of the pedestal. Carefully lift the pedestal cover slightly as you pull it forward off of the unit. The lifting is required so that you do not scratch up the base. When the cover is removed you should have easy access for connections and testing purposes. When placing the pedestal cover back on the unit, use the same caution. Carefully lift the cover and slide it over the pedestal, so that you do not scratch the base. Then replace the 4 screws on the sides of the pedestal.

REMOVING THE BURNER ORIFICE

1. Use a 1/2" wrench to loosen and remove the burner orifice.
2. Change the orifice.

TECHNICAL INSTRUCTIONS

- **PILOT ASSEMBLY:** The correct flame pattern should have three strong blue flames. One flows around the thermopile, one around the thermocouple and one flows over the burner. See page 26 for further pilot instructions



- **VENTING:**

1. Check the venting system for any signs of corrosion.
2. Remove the vent termination and check the inside of the vent by shining a light down the pipe.
3. Inspect pipe seams and joints and ensure they are still tight.
4. Check wall straps and all vent supports.

- **LOGS:**

1. Check logs are correctly positioned (see installation instructions).
2. Check there are no cracked logs.
3. Clean off any soot deposits using a soft brush.

NOTE: Incorrect log positioning may cause carbon build up and discoloration. This may void the warranty.

GAS VALVE REPLACEMENT:

1. Disconnect electricity to the appliance.
2. Shut off the gas to the appliance and disconnect the gas line to the appliance.
3. If the appliance has a remote switch or thermostat, disconnect the wires at the front of the valve.
4. Undo the four screws holding the valve plate to the pedestal assembly.
5. Gently rotate the valve to gain access to the millivolt wiring, pilot tube nut and burner supply tube nut.
6. Carefully undo the pilot and burner supply tubes and remove the valve.
7. Replacing the assembly is the reverse of the above instructions.

Maintenance

GOLD PLATING:

1. Gold plating requires little maintenance and needs only to be cleaned with a soft damp cloth. **Do not use any abrasive cleaning materials.**
2. Avoid fingerprints on gold. Wipe off fingerprints before firing.

DOOR :

Check the gasket to see that it is still forming a seal. Replace gasket if there is any sign of wear.

VIEWING GLASS REPLACEMENT:

This appliance is supplied with high temperature 5mm high temperature ceramic glass that will easily withstand the heat your unit was designed to produce. In the event the glass breaks, contact your dealer or MASPORT to arrange for your glass to be replaced / repaired.

REMOVING THE BLOWER:

1. Turn the gas off to the unit.
2. Turn off/unplug the electric supply.
3. Remove the back panel on the pedestal.
4. Remove the 4 screws on the back panel that attach the blower.
5. Replacing the assembly is the reverse of the above instructions

Optional Conversion Kits

" This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authorities having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of the kit. The installation is not complete until the operation of the converted appliance is checked as specified in the instruction manual supplied with the kit." Before performing this or any service procedure, make sure that the gas supply to the unit and the electrical supply are shut off.

CONVERSION KIT CONTENTS

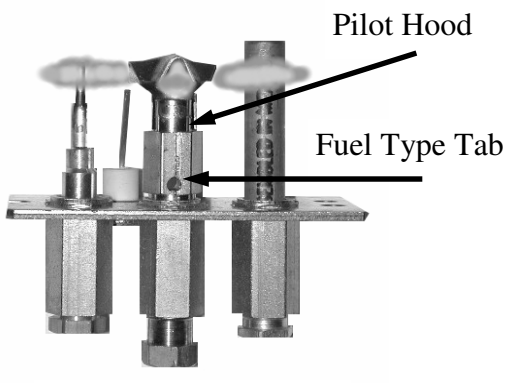
1. Main Burner orifice.
2. Valve Kit.
3. Conversion Sticker

The model *Geneva²* is designed to burn either Natural Gas or LPG Fuel. Each heater leaves the factory equipped for one specific fuel but it is a simple operation to convert the heater to an alternate fuel in the field. The original fuel type is marked on the rating label:

☐ NATURAL GAS ☐ LPG

To convert to an alternate fuel, follow these steps:

1. Open the front viewing door.
2. Remove the log set and brick panels.
3. Remove the log support plate screws.
4. Remove the burner assembly.
6. Remove the pedestal wrap
7. Using a 1/2" socket, unscrew the main burner orifice and replace with alternate gas orifice. Note That the primary air bracket can be rotated to removed orifice
8. See the separate gas valve manufacturers instructions supplied in the kit.
9. Replace in reverse.



See page 27 for pilot instructions.

To Convert the Pilot fuel, follow these steps:

1. Use a 7/16" wrench to loosen the pilot hood
2. Push the little silver tab in and the little red tab should pop out.
3. The red tab out is used for LPG
4. The silver tab out is for Natural Gas
5. Re-tighten the pilot hood.

LEAK TESTING:

CAUTION: DO NOT TEST FOR LEAKS WITH AN OPEN FLAME.

- With the main burner "ON", test the new pressure regulator using a soap solution
- Check all fittings for leaks using the soap solution.

FUEL CONVERSION LABEL:

- Fill out and attach the fuel conversion label #0630 provided in the kit and attach it to the stove near the upper right hand corner of the approval label inside the left hand side door of the unit.

AERATION ADJUSTMENT

IMPORTANT: IF YOU CHANGED THE FUEL THE AERATION WILL REQUIRE ADJUSTMENT - SEE PAGE 18

ALLOW THE UNIT TO BURN FOR AT LEAST 15 MINUTES TO CHECK THE FLAME PICTURE.

- If you have converted from Natural gas to LPG you will have to INCREASE the aeration opening as LPG requires more primary air to burn correctly.
- If you have changed from LPG to Natural gas you may have to REDUCE the aeration opening as Natural gas requires less primary air to burn correctly.

Troubleshooting

Please check to make sure the instructions are followed exactly before attempting trouble shooting of the appliance.
WARNING: Trouble shooting and servicing of gas and electrical devices of the appliance should only be conducted by a qualified service technician.
CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Pilot will not light after pressing the sparker many times.	*Air in gas line.* *No gas supply.* *Piezo wire loose.* *Defective Piezo.* *Piezo wire grounding.* *Electrode grounding.* *Electrode gap* *Incorrect.*	• Purge air out of gas line. • Check to make sure the gas supply to the appliance is turned on and there is adequate gas supply pressure to the appliance. • Check for sparks between the spark electrode and the pilot head when the sparker is pressed. If there are no sparks: • Check for broken or poor connection from the sparker to the electrode. • Check for the spark shorting or arcing at other locations. • Check for defective piezo. • Check for defective/cracked spark electrode. • With the viewing door open, try lighting the pilot with a match. • Note: If there is no gas or air coming out of the pilot and there is gas pressure to the appliance, the pilot orifice may be blocked or the gas valve maybe defective.
Pilot will not remain on after being lit.	*Poor Pilot flame.* *Faulty thermocouple.* *Thermocouple and/or Thermopile grounding.* *Loose TP-THTP on gas valve.* *Faulty gas valve.* ***Note: This is very rare and faults blamed on the gas valve are usually incorrect.***	• Check to see if the pilot flame is large enough to reach and surround the thermocouple. If the flame is too small, check for correct gas supply pressure. If pressure is good, adjust the pilot flame size with the adjustment screw on the valve. If the flame cannot be adjusted, there might be some debris obstructing the pilot orifice. • Check for correct millivolts at the thermocouple. The thermocouple should generate at least 30 mv. • Check for poor connection of the thermocouple and thermopile to the valve. • If readings are correct for thermopile and thermocouple replace gas valve.
The main burner does not turn on with the pilot lit.	*Gas valve not in **on** position.* *Faulty thermopile.* *Faulty unit **on/off** switch.* *Faulty thermostat.* *Faulty Gas Valve*	• Check to make sure the control knob is turned to the '**ON**' position. • Check for correct millivolts at the thermopile, it should generate at least 250mv. • Place jumper wire across terminals **TH-THTP**, if burner comes on this will indicate you have a poor connection or faulty appliance **on/off** switch, wall switch or wall thermostat. • Check the minimum inlet gas supply pressure, if the minimum pressure is present then try changing the gas valve.
Frequent pilot outage problems.	*Pilot adjusted too low.* *Switch wires may be grounding out.* *Thermocouple worn.* *Adverse wind conditions.*	• Adjust pilot and clean if required. • Check switch wires. • Check thermocouple millivolts (see above). • Check termination location is not subject to adverse environmental conditions.
The main burner shuts off when the appliance is warm.	*Pilot flame lifting of thermopile.*	• Check thermopile voltage from start up. If the millivolts drop dramatically it is an indication that the pilot is lifting. Check the vent is correctly attached.
Excessive soot on burner or logs.	*Incorrect aeration adjustment.* *Incorrect venting.*	• Check aeration setting. • Check that venting is correctly attached.
Sharp blue flames lifting off burner.	*Incorrect aeration adjustment.*	• Reduce primary aeration adjustment.
Convection blower does not operate.	*No power supply.* *Thermal snap switch lose or defective.* *Loose electrical connection.* *Defective speed controller.* *Defective blower.*	• Check electrical supply to unit. • Turn the fan speed control to a different setting, make sure it is not in the off position • Check for correct positioning of the snap disc. You can by-pass the snap disc to check it's operation. • Check all electrical connections are secure. • By-pass the speed controller to check for defective operation. • With the speed control by-passed check for 240VAC to the motor. If you have 240VAC and the motor is not working, the blower motor is defective.

GAS CONVERSION INSTRUCTIONS FOR CONVERTIBLE ORIFICE IN END MOUNT BRACKET PILOT ("C" SERIES)

NOTE:IT IS NOT NECESSARY TO REMOVE THE PILOT TUBE FOR GAS CONVERSION

1) LOOSEN (CCW ROTATION) THE PILOT TARGET HEX FITTING 1/4 TURN WITH A 7/16" END WRENCH AS SHOWN IN FIGURE A. USE CAUTION TO AVOID BENDING ORIFICE STRIP BY IMPROPER PLACEMENT OF END WRENCH.

2) PUSH ORIFICE STRIP TAB ALL THE WAY AGAINST THE HEX FITTING AS SHOWN IN FIGURE B1 & B2.

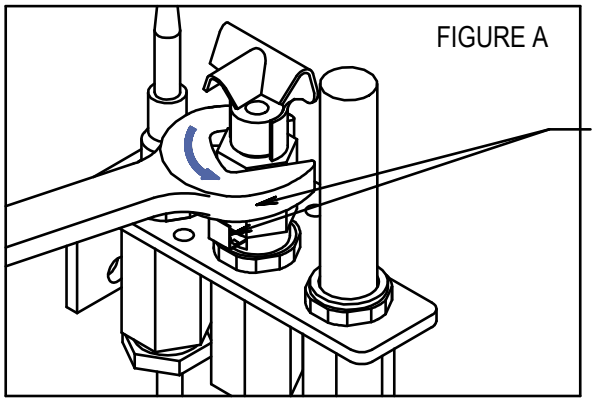


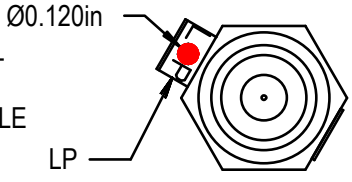
FIGURE A

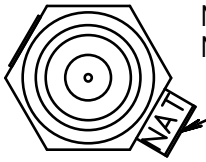
AVOID CONTACTING ORIFICE STRIP WITH END WRENCH. FAILURE TO DO THIS CAN CAUSE DISTORTION OF THE ORIFICE STRIP WHEN LOOSENING OR TIGHTENING.

NOTE:ORIFICE STRIP MAY BE RANDOMLY LOCATED ON ANY SIDE OF HEX FITTING

VIEWING DOWN ON PILOT

L.P. GAS POSITION - Ø1/16 HOLE & RED COLOR CODE VISIBLE





NATURAL GAS POSITION - NO Ø1/16 HOLE VISIBLE

NAT

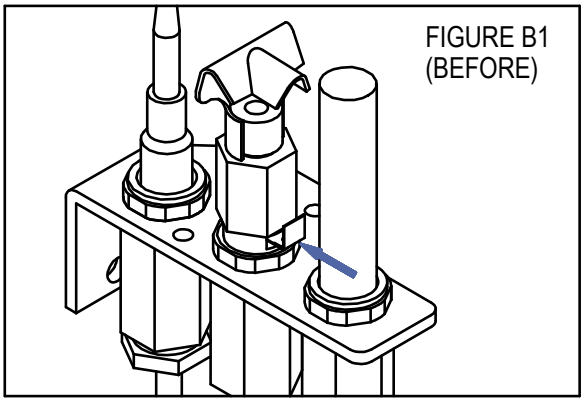


FIGURE B1 (BEFORE)

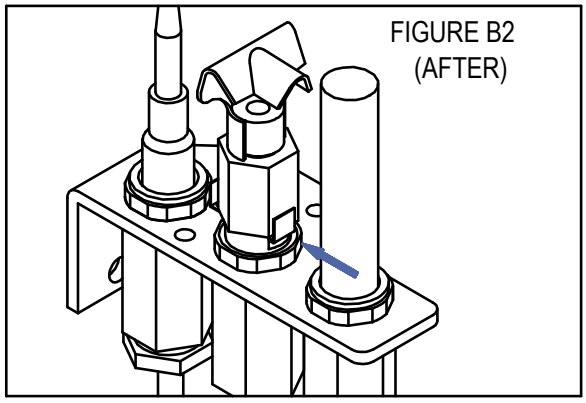


FIGURE B2 (AFTER)

3) RE-TIGHTEN THE PILOT TARGET HEX FITTING UNTIL THE PILOT TARGET ALIGNS WITH THE THERMOCOUPLE & THERMOPILE AS SHOWN IN FIGURE C. USE CAUTION TO AVOID BENDING ORIFICE STRIP BY IMPROPER PLACE-MENT OF END WRENCH.

4) INSTALLATION IS COMPLETE.

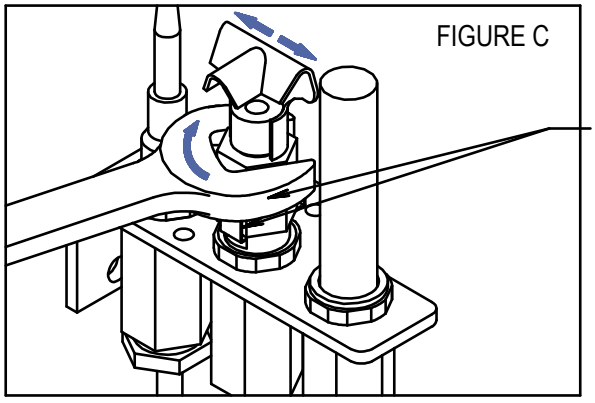


FIGURE C

AVOID CONTACTING ORIFICE STRIP WITH END WRENCH. FAILURE TO DO THIS CAN CAUSE DISTORTION OF THE ORIFICE STRIP WHEN LOOSENING OR TIGHTENING.

NOTES

SERVICE HISTORY

DATE	CORRECTIVE ACTION (INCLUDE REPLACEMENT PARTS)

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