



EN

INSTALLATION MANUAL
USER AND MAINTENANCE MANUAL
FREESTANDING DUAL FUEL RANGES, GAS WORKTOP,
ELECTRIC MANUAL CLEAN OVEN MODEL

FROM THE DESK OF OUR PRESIDENT

Dear new owner of a Bertazzoni appliance,

I want to thank you for choosing one of our beautiful products for your home.

My family started manufacturing kitchen appliances in Italy in 1882, building a reputation for quality of engineering and passion for good food.

Today, our products stand out because of their unique blend of authentic Italian design and superior appliance technology. It is our mission to make products that function perfectly and bring joy to their owners.

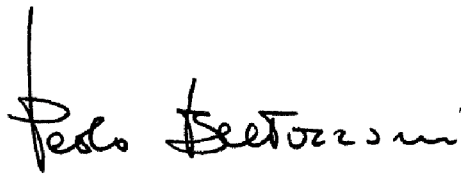
By making beautiful products we respond to our customers' flair for good design. By making them versatile and easy-to-use, cooking with Bertazzoni becomes a real pleasure.

This manual will help you learn to use and care for your Bertazzoni appliance in the safest and most effective way, so that it can give you the highest satisfaction for years to come.

Enjoy!

Paolo Bertazzoni

President

A handwritten signature in black ink, reading "Paolo Bertazzoni". The signature is written in a cursive, flowing style. The first name "Paolo" is written in a larger, more prominent script, followed by "Bertazzoni" in a slightly smaller, more compact script. The signature is positioned below the printed name and title.

USER MANUAL VALIDITY

The following manual is valid for all the product codes mentioned below:

- MAS305DFMNEV
- MAS305DFMBIV
- MAS305DFMXV
- MAS305DFMNG
- MAS305DFMBG
- PRO305DFMXV

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WARNINGS

To ensure proper and safe operation, the appliance must be properly installed and grounded by a qualified technician. DO NOT attempt to adjust, repair, service, or replace any part of your appliance unless it is specifically recommended in this manual. All other servicing should be referred to a qualified servicer.

Have the installer show you the location of the gas shutoff valve and how to shut it off in an emergency. A certified technician is required for any adjustments or conversions to Natural or LP gas.

FOR THE INSTALLER: Before installing the Bertazzoni appliance, please read these instructions carefully. This appliance shall be installed in accordance with the manufacturer's installation instructions.



IMPORTANT

Leave these instructions with the owner, who should save them for local inspector's use and for future reference. DO NOT remove permanently affixed labels, warnings, or plates from product. This may void the warranty.

Installation must conform with all local codes. In the absence of codes:

- United States: installation must conform with the National Fuel Gas Code ANSI Z223.1 NFPA54.
- Massachusetts: All gas products must be installed by a "Massachusetts" licensed plumber or gasfitter. A "T" type handle manual valve must be installed in the gas supply line to the appliance.
- Canada: Installation must be in accordance with the current CAN/CGA B149.1 & 2 Gas Installation codes and/or local codes. Electrical installation must be in accordance with the current CSA C22.1 Canadian Electrical Codes Part 1 and/or local codes.

This range is NOT designed for installation in manufactured (mobile) homes or recreational park trailers.

DO NOT install this range outdoors.



WARNING

This appliance must be properly grounded. Grounding reduces the risk of electric shock by providing a safe pathway for electric current in the event of a short circuit.



WARNING

To avoid risk of property damage, personal injury or death; follow information in this manual exactly to prevent a fire or explosion.



WARNING

If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Do not store or use gasoline or other flammable vapors and liquid 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 suppliers, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.



NOTE

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



DANGER

ELECTRIC SHOCK HAZARD!!!

To avoid risk of electrical shock, personal injury or death, verify that the appliance has been properly grounded in accordance with local codes or in absence of codes, with the National Electrical Code (NEC). ANSI/NFPA 70 - latest edition.



DANGER

GAS LEAK HAZARD!!!

To avoid risk of personal injury or death, leak-testing of the appliance must be conducted according to the manufacturer's instructions. Before placing appliance in operation, always check for gas leaks with water and soap solution.

DO NOT USE AN OPEN FLAME TO CHECK FOR GAS LEAKS.

WARNINGS

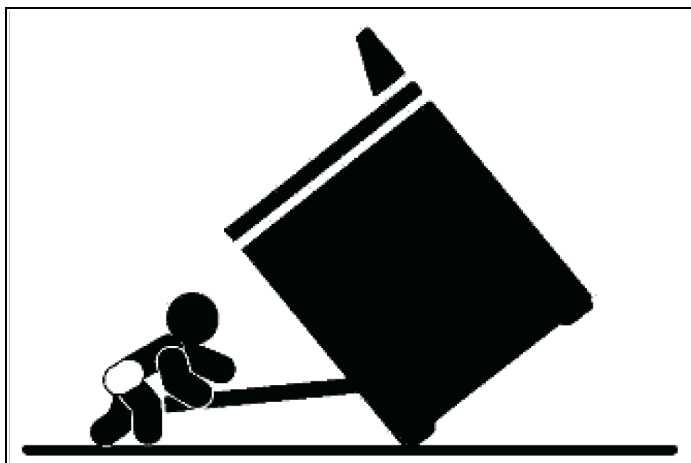


Fig. 1



WARNING

Cancer and Reproductive Harm — www.P65Warnings.ca.gov.

DATA RATING LABEL

The data rating label shows the model and serial number of the range. It is located under the control panel and in the last page of this manual.



WARNING

Warning-tipping hazard

A child or adult can tip over the range and be killed.

Install the anti-tip device to the structure and/or the range. Verify the anti-tip device has been properly installed and engaged.

Engage the range to the anti-tip device by anti-tip brackets or anti-tip chain (see installing the anti-tip device chapter). Ensure the anti-tip device is re-engaged when the range is moved.

Re-engage the anti-tip device if the range is moved. Do not operate the range without the anti-tip device in place and engaged.

See anti-tip device installation instructions for details.

Failure to do so can result in death or serious burns to children or adults.

DO NOT lift the range by the oven door's handle, as this may damage the door hinges and cause the door to fit incorrectly.

DO NOT lift the appliance by the range's control panel.

The unit is heavy and should be handled accordingly. Proper safety equipment such as gloves and adequate manpower of at least two people must be used in moving the range to avoid injury and to avoid damage to the unit or the floor. Rings, watches, and any other loose items that may damage the unit or otherwise might become entangled with the unit should be removed.

Hidden surfaces may have sharp edges. Use caution when reaching behind or under appliance.

DO NOT use a hand truck or appliance dolly on the back or front of the unit. Handle from the side only.

BEFORE INSTALLATION

- This appliance shall only be installed by an authorized professional.
- This appliance shall be installed in accordance with the manufacturer's installation instructions.
- This appliance must be installed in accordance with the norms & standards of the country where it will be installed.
- The installation of this appliance must conform to local codes and ordinances. In the absence of local codes, installations must conform to American National Standards, National Fuel Gas Code ANSI Z223.1 – latest edition/NFPA 54 or B149.1.
- The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70.

If local codes permit, a flexible metal appliance connection conduit with the new AGA or CGA certified design, max. 5 feet (1.5 m) long, ½" I.D. is recommended for connecting this appliance to the gas supply line. Do not bend or damage the flexible connector when moving the appliance.

This appliance must be used with the pressure regulator provided.

The pressure regulator is set for the type of gas to be used. The pressure regulator has ½" female pipe thread. The appropriate fitting must be determined based on the size of your gas supply line, the flexible metal connector and the shutoff valve.

The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 PSI (13.8" w.c. or 3.5 kPa).

All opening and holes in the wall and floor, back and under the appliance shall be sealed before installation of the appliance.

A manual valve shall be installed in an accessible location in the gas line external to the appliance for the purpose of turning on or shutting off gas to the appliance.

TYPE OF GAS

This range can be used with Natural or LP/Propane gas. The range is shipped from the factory for use with the gas indicated on the rating label positioned on the lower face of the control panel and in the last page of this manual. A step by step conversion procedure is also included in this manual and in each conversion kit.

GAS PRESSURE

The maximum inlet gas supply pressure incoming to the gas appliance pressure regulator is 1/2 PSI (13.8" iwc or 3.5 kPa). The minimum gas supply pressure for checking the regulator setting shall be at least 1" iwc (249 Pa) above the inlet specified manifold pressure to the appliance; this operating pressure is 4" iwc (1.00 kPa) for Natural Gas and 10" iwc (2.50 kPa) for LP Gas.

ROOM VENTILATION

An exhaust fan may be used with the appliance; in each case it shall be installed in conformity with the appropriate national and local standards. Exhaust hood operation may affect other vented appliances; in each case it shall be installed in conformity with the appropriate national and local standards.



WARNING

This appliance should not be installed with a ventilation system that directs air in a downward direction toward the range. This type of ventilation system may cause ignition and combustion problems with the appliance resulting in personal injury, property damage, or unintended operation. Ventilating systems that direct the air upwards do not have any restriction.

Do not use aerosol sprays in the vicinity of this appliance while it is in operation.

VENTILATION PREPARATION

This range will best perform when installed with Bertazzoni exhaust hoods. These hoods have been designed to work in conjunction with the Bertazzoni range and have the same finish for a perfect look.

Before installation of the exhaust hood, consult local or regional building and installation codes for additional specific clearance requirements. Refer to the range hood installation instructions provided by the manufacturer for additional information.

SELECT HOOD AND BLOWER MODELS

- For wall installations, the hood should be equal or larger width than the range. Where space permits, a hood larger than the range may be desirable for improved ventilation performance.
- For island installations, the hood width should overhang the range by a minimum of 3" (76 mm) on each side.

HOOD PLACEMENT

- For best removal of smoke and odors, the lower edge of the hood should be installed between 25 1/2" (65 cm) and 31 1/2" (80 cm) above the range cooking surface.
- If the hood contains any combustible materials (i. e. a wood covering), it must be installed at a minimum of 36" (914 mm) above the cooking surface.

CONSIDER MAKE-UP AIR

Due to the high volume of ventilation air, a source of outside replacement air is recommended. This is particularly important for tightly sealed and insulated homes. A qualified heating and ventilating contractor should be consulted.

SPECIFICATIONS

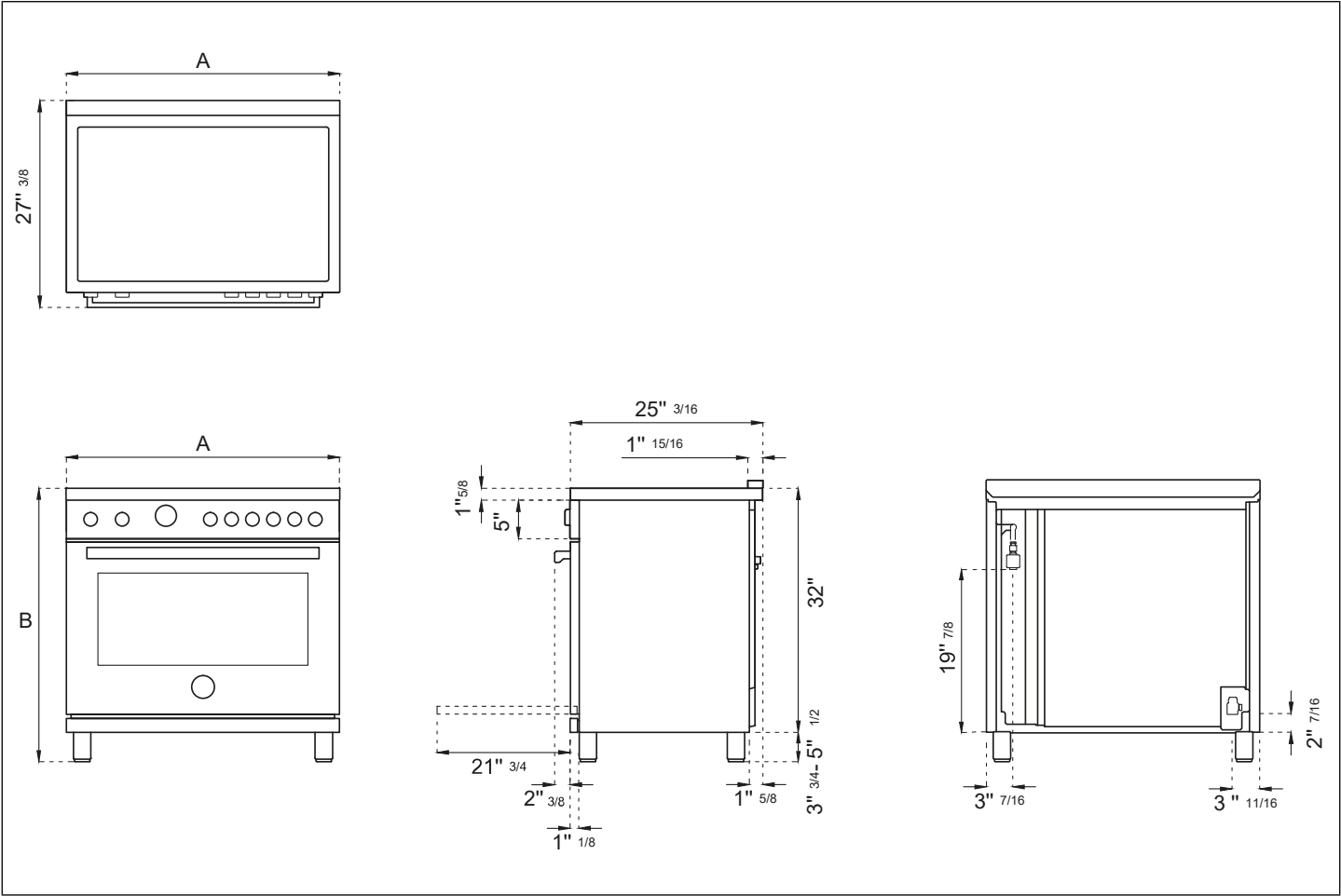


Fig. 2

- A 30"
- B 37"½ MAX

BURNER	INJEC-TOR	GAS	PRES-SURE	MAX RATE		MIN RATE		BY-PASS
	diam.[mm]			[Btu/hr]	[W]	[Btu/hr]	[W]	
Auxiliary	0.90	NG	4"	3,500	1,025	900	264	Regulated
	0.54	LP (Propane)	10"	3,300	967	900	264	0.29
Semi-rapid	1.18	NG	4"	5,900	1,729	1,500	439	Regulated
	0.70	LP (Propane)	10"	5,500	1,611	1,500	439	0.36
Rapid	1.55	NG	4"	10,400	3,047	2,500	732	Regulated
	0.92	LP (Propane)	10"	9,500	2,783	2,500	732	0.47
Dual burner	0.80+2.10	NG	4"	19,000	5,567	1,300	381	Regulated
	0.50+1.20	LP (Propane)	10"	19,000	5,567	1,300	381	0.34/0.65

See use and care manual for the layout of the surface burners of your range



CLEARANCE DIMENSIONS

INSTALLATION ADJACENT TO KITCHEN CABINETS

This range may be installed directly adjacent to existing countertop high cabinets (36" or 91.5 cm from the floor).

For the best look, the worktop should be level with the cabinet countertop. This can be accomplished by raising the unit using the adjustment spindles on the legs.



CAUTION

The range CANNOT be installed directly adjacent to kitchen walls, tall cabinets, tall appliances, or other vertical surfaces above 36" (91.4 cm) high. The minimum side clearance in such cases is 6" (15.2 cm).

Wall cabinets with minimum side clearance must be installed 18" (45.7 cm) above the countertop with countertop height between 35 1/2" (90.2 cm) and 37 1/4" (94.6 cm). The maximum depth of wall cabinets above the range shall be 13" (33.0 cm).

CABINET

A	30"(76.2 cm)
B	36" (91.5 cm) hood with combustible materials
C	13" (33.0 cm)
D	18" (45.7 cm)
E	35" 1/2 (90.2 cm) / 37" 1/4 (94.6 cm)
F	6" (15.2 cm)
G	6" (15.2 cm)

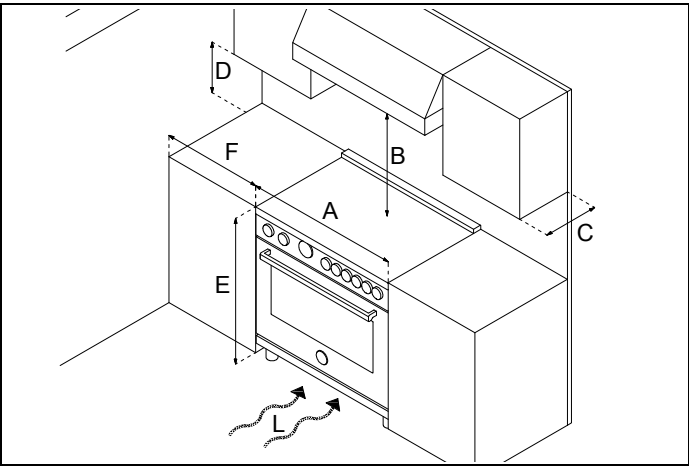


Fig. 3

If installing toekick, verify that the sum of the cut out areas equal the recommended ventilation (L)

30" area 40 sq. inches (25840 mm²).

METAL HOOD

A	30"(76.2 cm)
B	25 1/2"(65 cm) and 31 1/2" (80 cm)
C	13" (33.0 cm)
D	18" (45.7 cm)
E	35" 1/2 (90.2 cm) / 37" 1/4 (94.6 cm)
F	6" (15.2 cm)
G	6" (15.2 cm)
H	1" 9/16 (4 cm)

When installed in combination with a hood manufactured in a metal material or metal surface finish, refer to the hood manufacturer's requirements for installation. In the event the hood manufacturer does not make any specific indication as to installation distances, consider the distance B.

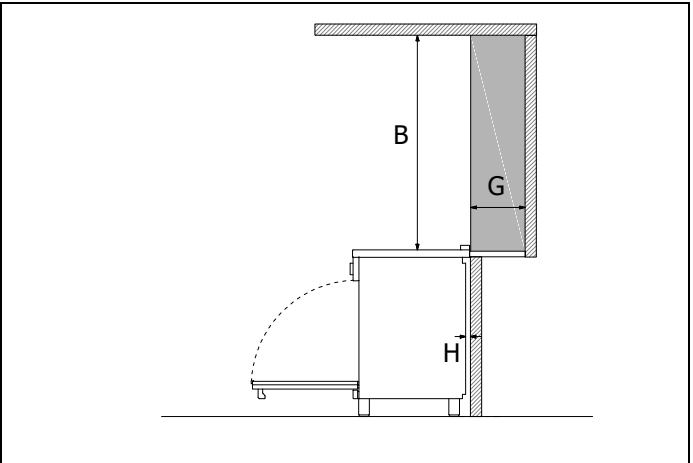


Fig. 4

Shaded area behind range indicates minimum clearance to combustible surfaces, combustible materials cannot be located within this area. 12" (305 mm) min. to combustible surface with Flush Island Trim.

For Flush Island installations, counter surface should have a cantilever edge meeting the back section of the Flush Island Trim accessory. As defined in the "National Fuel Gas Code" (ANSI Z223.1, Current Edition).

Clearances from non-combustible materials are not part of the ANSI Z21.1 scope and are not certified by CSA. Clearances of less than 6" (15,2 cm) must be approved by the local codes and/or by the local authority having jurisdiction.



INSTALLATION REQUIREMENTS

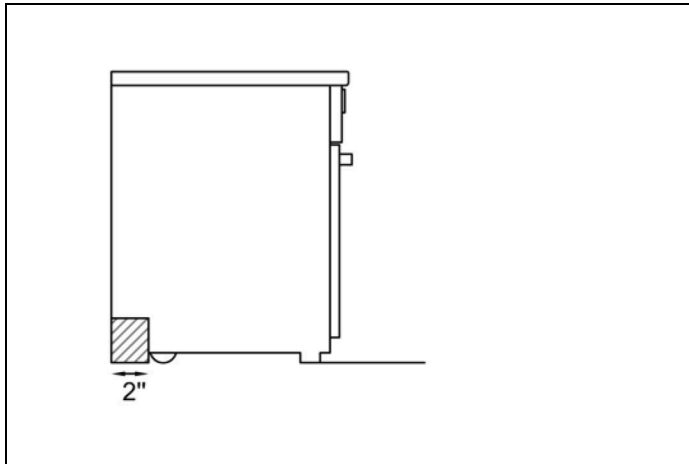


Fig. 5

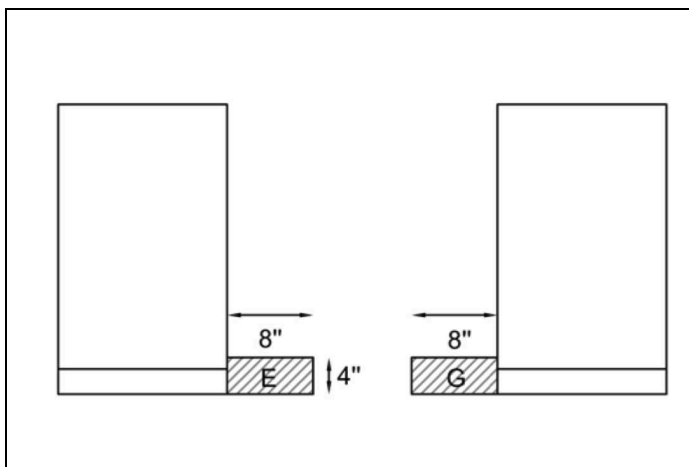


Fig. 6

 installation area for the connection

ELECTRICAL

A properly-grounded horizontally-mounted electrical receptacle should be installed no higher than 3" (7.6 cm) above the floor, no less than 2" (5 cm) and no more than 8" (20.3 cm) from the left side (facing product).

Check all local code requirements.

GAS

An agency-approved, properly-sized manual shut-off valve should be installed no higher than 3" (7.6 cm) above the floor and no less than 2" (5 cm) and no more than 8" (20.3 cm) from the right side (facing product).

To connect gas between shut-off valve and regulator, use agency-approved, properly sized flexible or rigid pipe.

Check all local code requirements.

ELECTRICAL CONNECTION



WARNING ELECTRICAL SHOCK HAZARD

Disconnect electrical power at the circuit breaker box or fuse box before installing the appliance.

Provide appropriate ground for the appliance. Use copper conductors only. Failure to follow these instructions could result in serious injury or death.

ELECTRICAL GROUNDING

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



CAUTION
Label all wires prior to disconnecting when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

The appliance shall be connected to a single phase electric line rated at 120/208 VAC or 120/240 VAC and 60 Hz frequency.

TYPE	VOLTAGE	CIRCUIT RATING	ELECTRICAL SUPPLY
30"	120/208V	2900W 14A	20A
DFM	120/240V	3700W 16A	20A

Install a suitable electric power supply receptacle connection type NEMA 14-50R able to support a load of at least 20 A (per line) according to local code requirements. For four or three wires power supply connection system see diagram below.

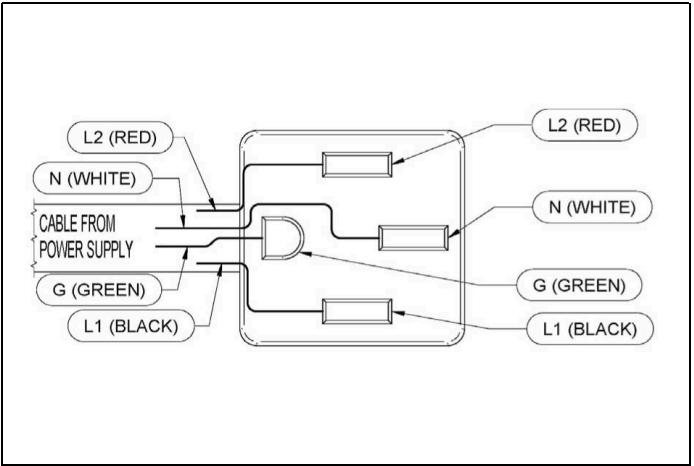


Fig. 7 FOUR-WIRE CONN.RECEPTACLE NEMA 14-50R

Check your local code for which of the options below should be used in grounding the receptacle power supply connections.



ELECTRICAL CONNECTION

FOUR WIRES CONNECTION

- Connect the L1 receptacle terminal to the incoming BLACK electrical supply wire (L1-hot wire)
- Connect the L2 receptacle terminal to the incoming RED electrical supply wire (L2-hot wire)
- Connect the NEUTRAL receptacle terminal to the incoming NEUTRAL (WHITE) electrical supply wire
- Connect the GROUND receptacle terminal to the incoming GROUND (GREEN) electrical supply wire.

DO NOT USE EXTENSION CORDS WITH THIS APPLIANCE AS IT MAY RESULT IN FIRE, ELECTRIC SHOCK OR OTHER type of PERSONAL INJURY.

The appliance is equipped at the factory with an electric supply cord set 4 wires type with ring terminals (L1, L2, N, Ground) suitable for range use UL/CSA listed type SRDT/DRT 2x6AWG (L1, L2)+2x8AWG (N, G) rated 300V, 40 or 50A with fused plug type NEMA 14-50P; cable length 1.5 m.; in case the supply cord set must be replaced, it shall be replaced with an identical set having the same technical specs and following carefully the instructions and diagrams below:

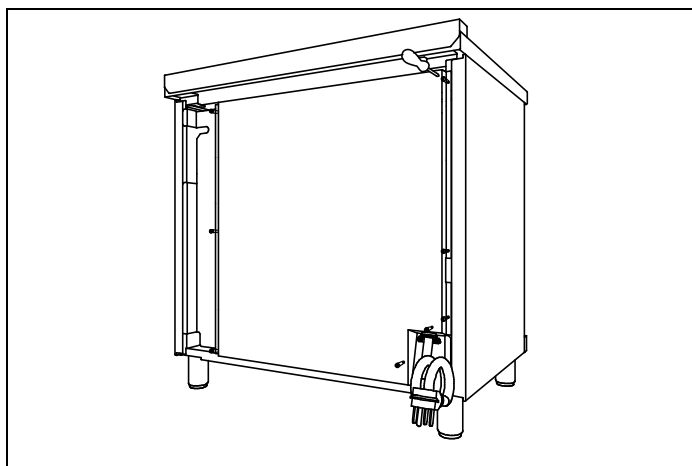


Fig. 8

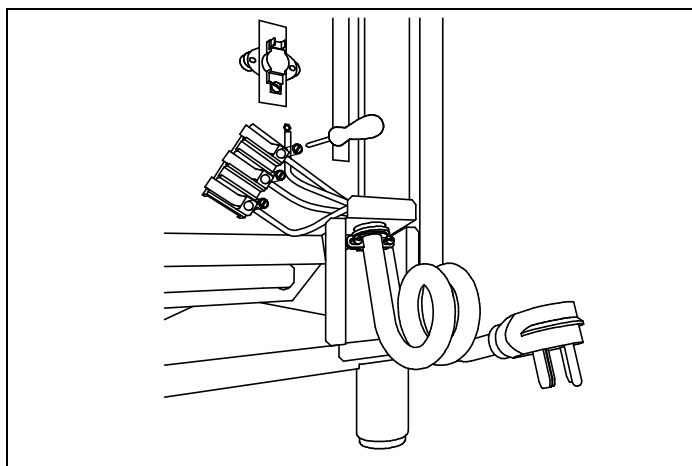


Fig. 9

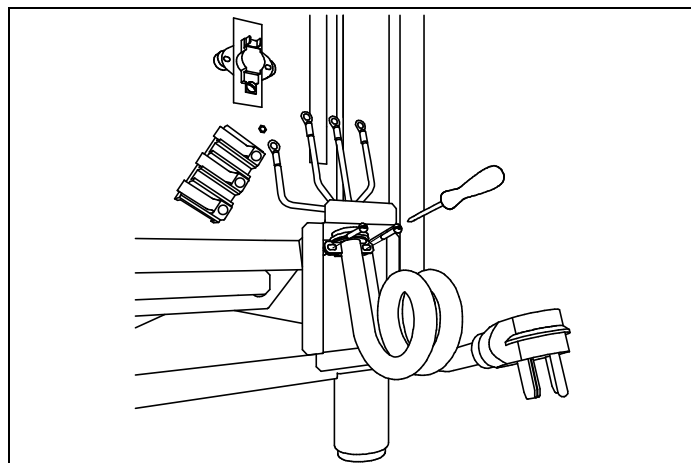


Fig. 10

WIRING DIAGRAM

The electric wiring diagrams and schematics are attached behind the range, and should not be removed except by a service technician, then replaced after service.

DFM

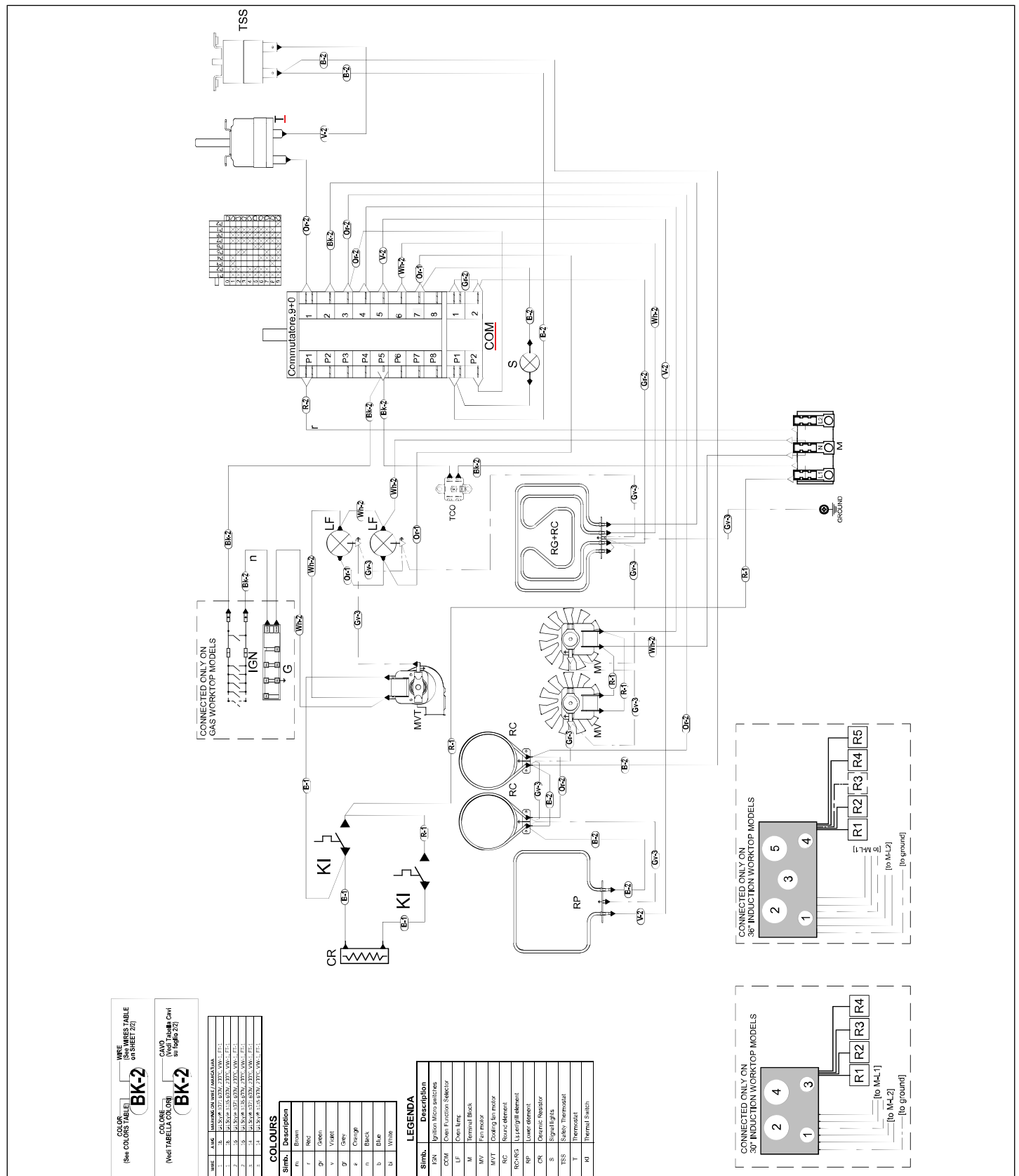


Fig. 11



GAS CONNECTION



WARNING

DO NOT USE AN OPEN FLAME WHEN CHECKING FOR LEAKS!

Leak testing of the appliance shall be conducted according to the manufacturer's instructions. Before placing the oven into operation, always check for leaks with soapy water solution or other acceptable method.

Check for gas leakage with soapy water solution or other acceptable methods in all gas connections installed between inlet gas pipe of the appliance, gas regulator, till to the manual shut-off valve.

All gas connections must comply with national and local codes. The gas supply line (service) must be the same size or greater than the inlet line of the appliance. This range uses a 1/2" NPT inlet (see drawing below for details of gas connection). On all pipe joints use appropriate sealant resistant to gas to joint the adapter to range manifold use only the blue gasket supplied.

If necessary, the appliance must be converted by the dealer, by a factory-trained professional or by a qualified licensed plumber or gas service company.

Gas conversion is important for safe and effective use of the appliance. It is the responsibility of the dealer and the owner of the range to perform the appropriate gas conversion following the directions of the manufacturer.

THE GAS CONVERSION PROCEDURE IS DESCRIBED IN THIS MANUAL AND IN THE PACKAGE CONTAINING THE CONVERSION NOZZLES SHIPPED WITH EVERY RANGE.

Please provide the service person with this manual before work is started on the range.

MANUAL SHUT-OFF VALVE

THIS VALVE IS NOT SHIPPED WITH THE APPLIANCE AND MUST BE SUPPLIED BY THE INSTALLER.

The manual shut-off valve must be installed in the gas service line between the gas hook-up on the wall and the appliance inlet, in a position where it can be reached quickly in the event of an emergency.

In Massachusetts:

A 'T' handle type manual gas valve must be installed in the gas supply line to this appliance.

FLEXIBLE CONNECTIONS

In case of installation with flexible couplings and/ or quick-disconnect fittings, the installer must use a heavy-duty, AGA design-certified commercial flexible connector of at least 1/2" (1.3 cm) ID NPT (with suitable strain reliefs) in compliance with ANSI Z21.41 and Z21.69 standards.

In Massachusetts:

The unit must be installed with a 36" (3-foot) long flexible gas connector.

In Canada:

Use CAN 1-6.10-88 metal connectors for gas appliances and CAN 1-6.9 M79 quick disconnect device for use with gas fuel.

GAS CONNECTION

PRESSURE TEST-POINT STOPPER VALVE

To avoid gas leaks, the pressure test-point stopper valve and gasket supplied with the range is installed on the gas fitting at the back of the range according to the diagram below.

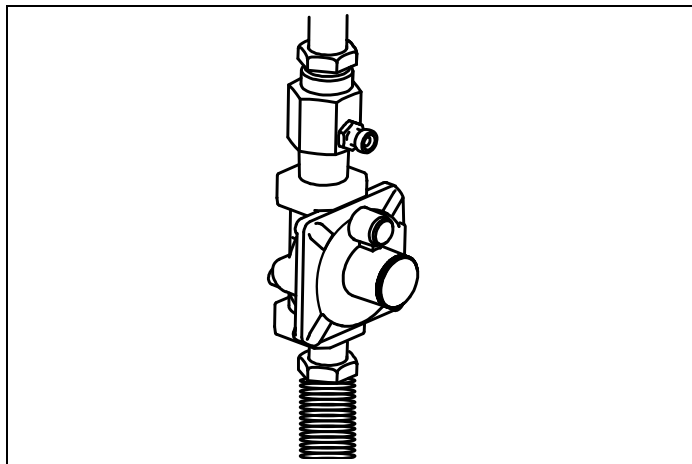


Fig. 12

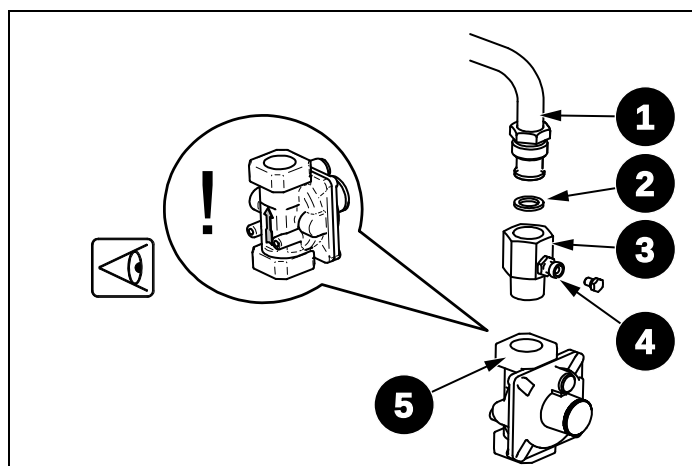


Fig. 13

- 1) Gas Pipe
- 2) Gasket
- 3) Gas connection adaptor 1/2" npt with pressure test point 1/8" npt (to be fixed toward external side of the appliance)
- 4) Pressure test-point
- 5) Pressure regulator

PRESSURE REGULATOR

Since service pressure may fluctuate with local demand, every gas cooking appliance must be equipped with a pressure regulator on the incoming service line for safe and efficient operation.

Manifold pressure should be checked with a manometer and comply with the values indicated below:

Natural gas 4.0" iwc

LP/Propane 10.0" iwc.

Incoming line pressure upstream from the regulator must be 1" iwc higher than the manifold pressure in order to check the regulator.

The regulator used on this range can withstand a maximum input pressure of 1/2 PSI (13.8" iwc or 3.5 kPa). If the line pressure exceeds that amount, a stepdown regulator is required.

The appliance, its individual shut-off valve, and the pressure regulator must be disconnected from the gas line during any pressure testing of that system at pressures in excess of 1/2 PSI (13.8" iwc or 3.5 kPa).

The individual manual shut-off valve must be in the OFF position during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 PSI (13.8" iwc or 3.5 kPa).



WARNING

Before carrying out any servicing operation disconnect the appliance from gas and electric supply and extra appliance from final installation place in order to have access to the appliance for proper servicing intervention.

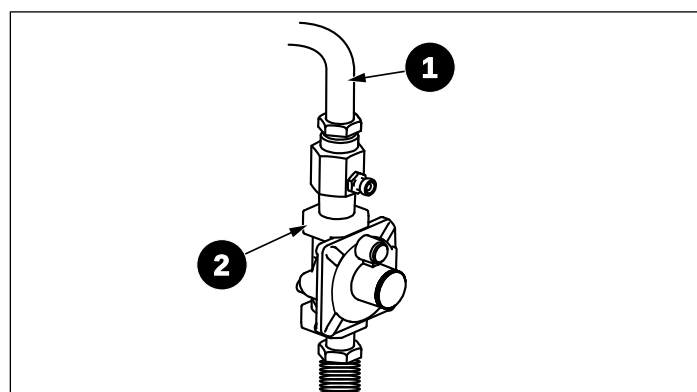


Fig. 14

- 1) Range cooker gas pipe gas entry
- 2) Pressure regulator



IMPORTANT

- THE PRESSURE REGULATOR IS FACTORY-INSTALLED CORRECTLY. THE ARROW ON THE BACK OF THE REGULATOR BODY INDICATES THE DIRECTION OF GAS FLOW AND MUST POINT TOWARD THE APPLIANCE'S GAS PIPE.
- ISSUES RELATED TO IMPROPER INSTALLATION OF THE GAS LINE OR INCORRECT GAS PRESSURE CAN RESULT IN ONE OR MORE OF THE FOLLOWING:
 - LOW FLAMES
 - UNSTABLE OR FLICKERING FLAMES
 - OVEN, BROIL, OR SURFACE BURNERS SHUTTING OFF IMMEDIATELY OR AFTER SOME TIME
 - EXCESSIVELY HIGH FLAMES ON SURFACE BURNERS OR GAS/ BROILER BURNERS
- TO ENSURE PROPER OPERATION AND SAFETY, ALWAYS VERIFY CORRECT INSTALLATION AND GAS PRESSURE ACCORDING TO THE SPECIFICATIONS PROVIDED.

To convert the regulator for use with the other gas, please refer to the *GAS CONVERSION* chapter.

INSTALLATION

APPLIANCE INSTALLATION

UNPACKING THE RANGE

- Remove all packing materials from the shipping pallet but leave the adhesive-backed foam layer over brushed-metal surfaces to protect it from scratches until the range is installed in its final position. Only the film on the side panels should be removed before inserting the range between the cabinets.
- Examine the appliance after unpacking it. In the event of transport damage, do not plug it. Take pictures of the damage and report it immediately to the freight forwarder.
- Remove the oven door(s). This will reduce the weight of the range.
- The grates, griddle plate, burner caps, and oven racks should be removed to facilitate handling.
- Before moving the range, protect the floor to prevent damage.

REMOVING THE OVEN DOOR

Prepare the door for removal. Flip up the locking clamps on each door hinge. Slowly shut the door until the protruding clamps stop the movement.

Pull oven door upwards and remove.

Do not lift or carry the oven door by its handle!

This may damage the hinges.

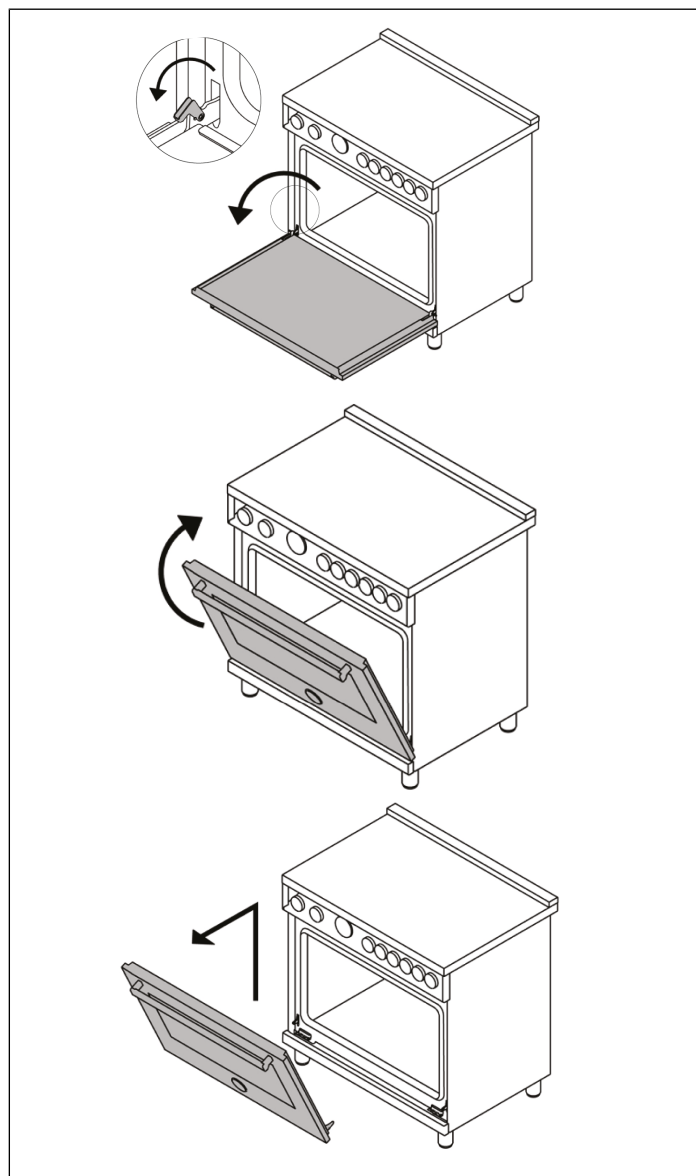


Fig. 15

INSTALLATION

INSTALLING THE LEGS

Bertazzoni ranges must be used only with the legs properly installed.

Four height-adjustable legs are supplied with the range in the polystyrene container situated over the appliance.

Before installing the legs, position the appliance near its final location as the legs are not suitable for moving the appliance over long distances. After unpacking the range, raise it enough to insert the legs in the appropriate receptacles situated on the lower part of the appliance. Lower the range gently to keep any undue strain from legs and mounting hardware. If possible use a pallet or lift jack instead of tilting the unit.

Adjust leg height to the desired level by twisting the inside portion of the leg assembly until the proper height is reached. Check with a level that the cooktop is perfectly level.

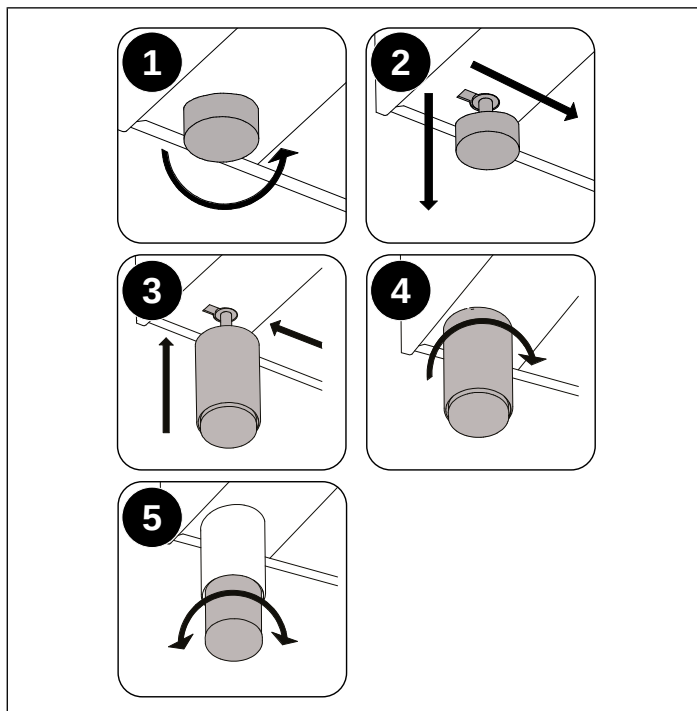


Fig. 16

INSTALLING THE WORKTOP FRONTGUARD

To increase the clearance between the front edge of the worktop and the burners, it is possible to install a front guard for the worktop.

- To install the front guard, locate the two fixing holes on the end of the front guard.
- Locate the two fixing holes on the bottom facet of the worktop.
- Fix the front guard with its two screws.

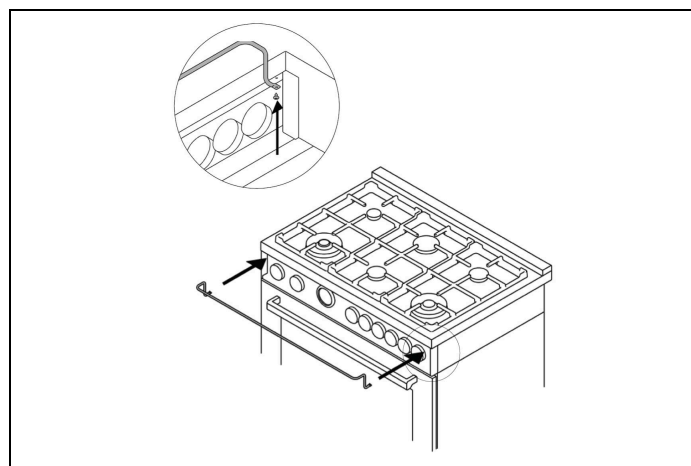


Fig. 17

INSTALLATION

INSTALLING THE ISLAND TRIM

The island trim must be installed prior to operation of the appliance for appropriate ventilation of the oven compartment.

The island trim is only placed on the cooktop, remove all tape and packaging before installing it.

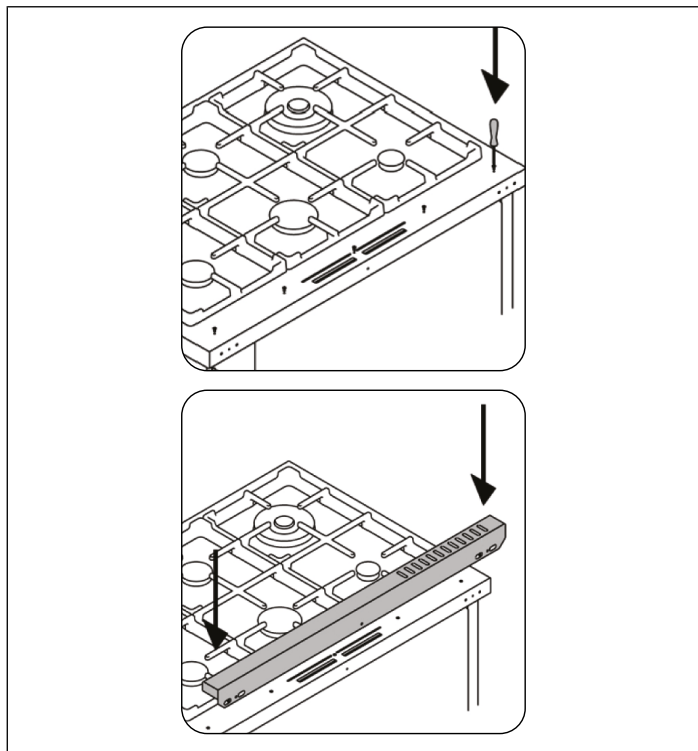


Fig. 18

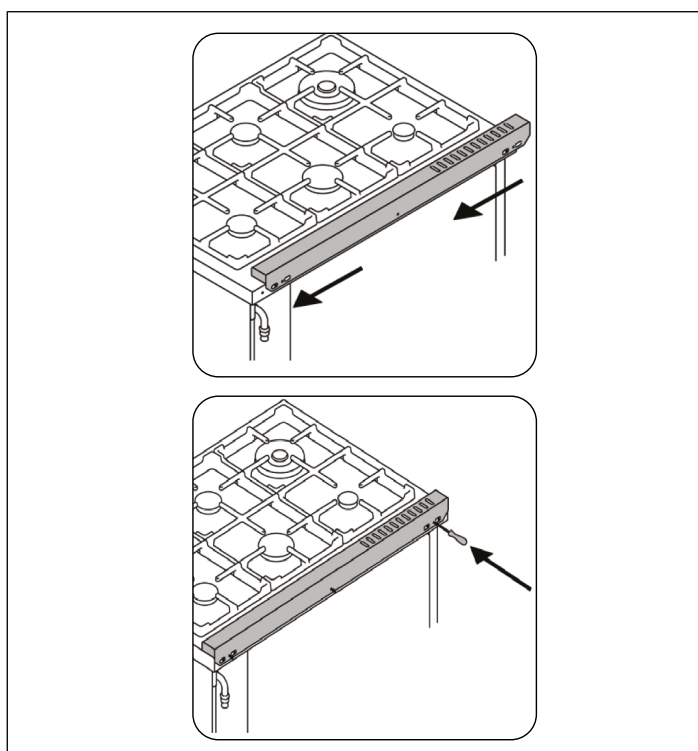


Fig. 19

INSTALLING BACKGUARD (OPTIONAL)

The backguard must be installed prior to operation of the appliance for appropriate ventilation of the oven compartment.

The backguard is an optional contact you dealer for buying it.

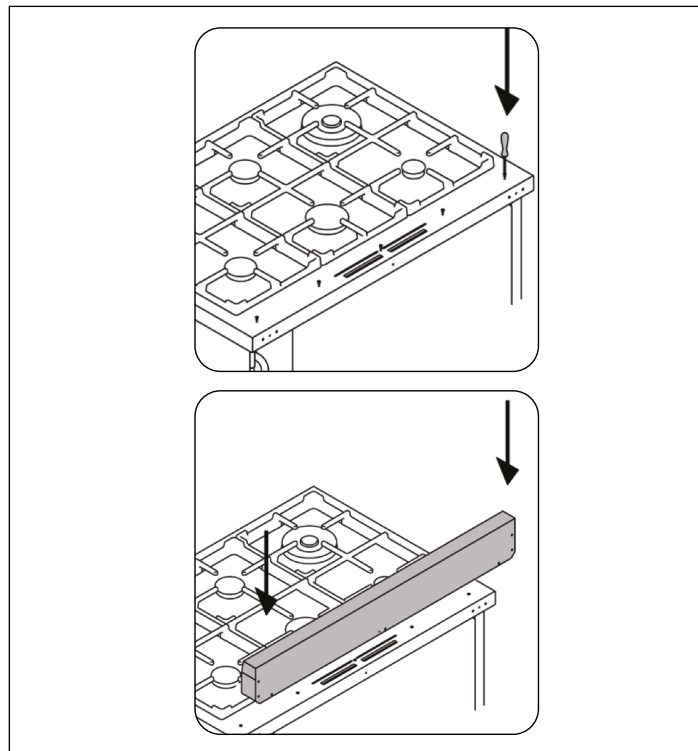


Fig. 20

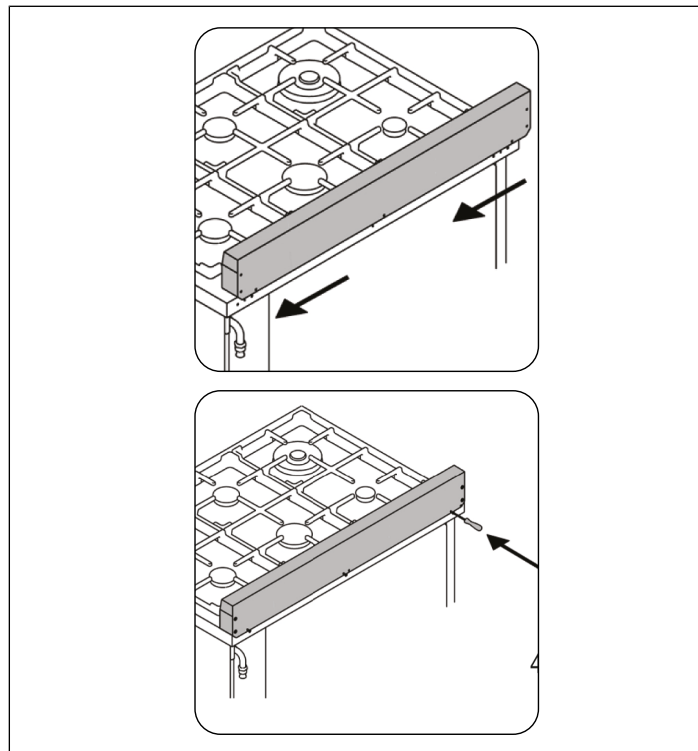


Fig. 21

INSTALLING THE ANTI-TIP DEVICES

ANTI-TIP BRACKETS

The anti-tip bracket shipped with the range must be properly secured to the rear wall as shown in the picture below.

The height of the bracket from the floor must be determined after the range legs have been adjusted to the desired height and after the range has been levelled.

- Measure the distance from the floor to the bottom of the anti-tip bracket receptacle on the back of the appliance.
- Position the anti-tip brackets on the wall at the desired height plus 1/8" (0.32 cm). The brackets must be placed at 2 5/16 (6.0 cm) from the side of the range.
- Secure the brackets to the wall with appropriate hardware.
- Slide the range against the wall until the brackets are fully inserted into their receptacles on the back of the range.

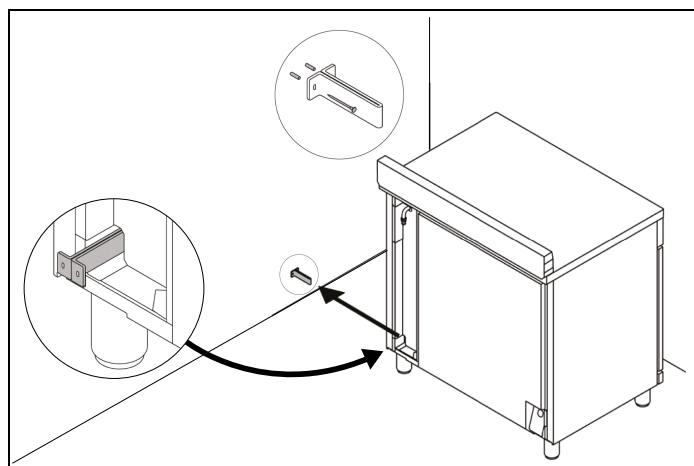


Fig. 22

ANTI/TILT CHAIN

The anti-tilt chain shall be installed on right or left side alternatively according below instructions. The chain shall be hand pulled and fixed to open hook through closed ring.

Disengage the chain prior to moving the appliance for service.



CAUTION

Once servicing operation have been completed the anti-tilt devices (brackets and chain) shall be re-engaged according above instruction/installations.

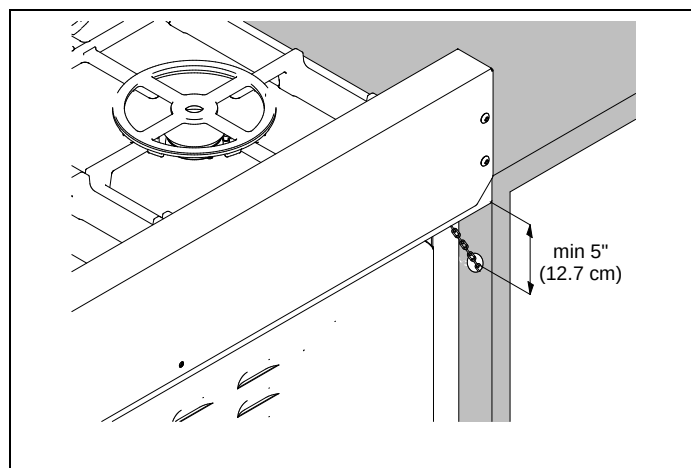


Fig. 23

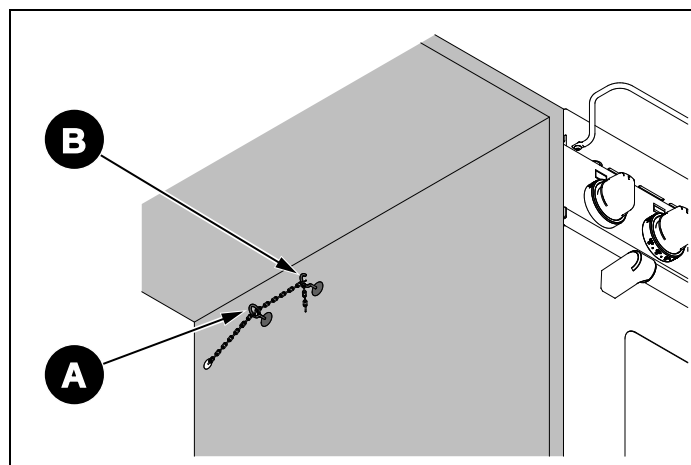


Fig. 24

- **A** CLOSED RING
- **B** OPEN HOOK

GAS CONVERSION



WARNING

Before carrying out this operation, disconnect the appliance from gas and electricity.

Gas conversion shall be conducted by a factory-trained professional.

Call the customer service hotline to identify a factory-trained professional near your home.

The gas conversion procedure for this range includes 6 steps:

- 1) Pressure regulator
- 2) Surface burners
- 3) Oven burner
- 4) Broiler burner
- 5) Visual checks prior to closure of oven bottom panel
- 6) Adjustment of minimum setting.

The conversion is not completed if all 6 steps have not been concluded properly.

Before performing the gas conversion, locate the package containing the replacement nozzle shipped with every range.



IMPORTANT

Each nozzle has a number indicating its flow diameter printed on the body. Consult the table number 1 for matching nozzles to burners.

Save the nozzles removed from the range for future use.

STEP 1: PRESSURE REGULATOR

The pressure regulator supplied with the appliance is a convertible type pressure regulator for use with Natural Gas at a nominal outlet pressure of 4" iwc or LP gas at a nominal outlet pressure of 10" iwc and it is pre-arranged from the factory to operate with one of these gas/pressure as indicated in the labels affixed on the appliance, package and Instruction booklet.

To convert the regulator for use with the other gas: Unscrew by hand the upper cap of the regulator, remove the white plastic attachment from the cap, reverse its direction and screw it again firmly against the cap. The white plastic attachment has arrows indicating the position for natural gas (NAT) and LP gas (LP).

Screw by hand the metal cap in the original position on the regulator.

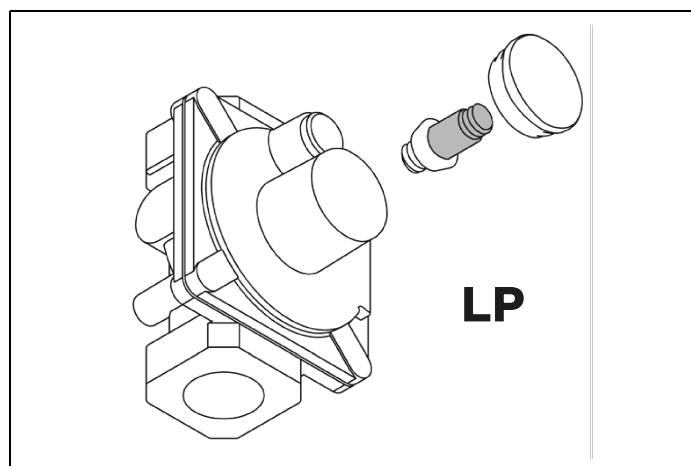


Fig. 25

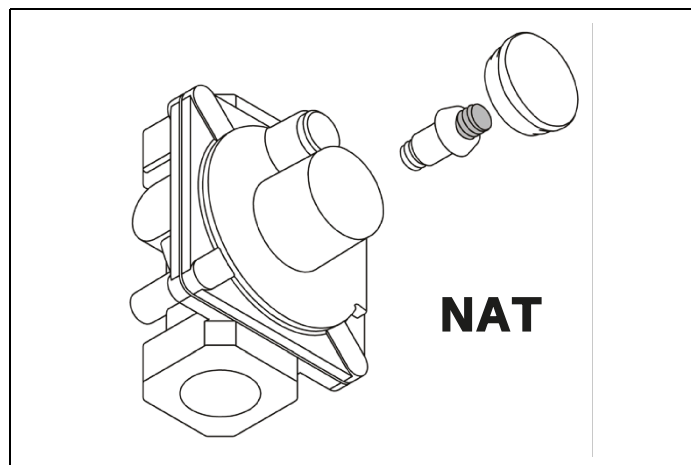


Fig. 26

GAS CONVERSION

STEP 2: SURFACE BURNERS

To replace the nozzles of the surface burners, lift up the burners and unscrew the nozzles shipped with the range using a ring spanner or closed-end wrench.

Replace nozzles using the conversion set supplied with the range or by a Bertazzoni authorized parts warehouse. Each nozzle has a number indicating its flow diameter printed on the body.

Consult the table number 1 and matching nozzles to burners.

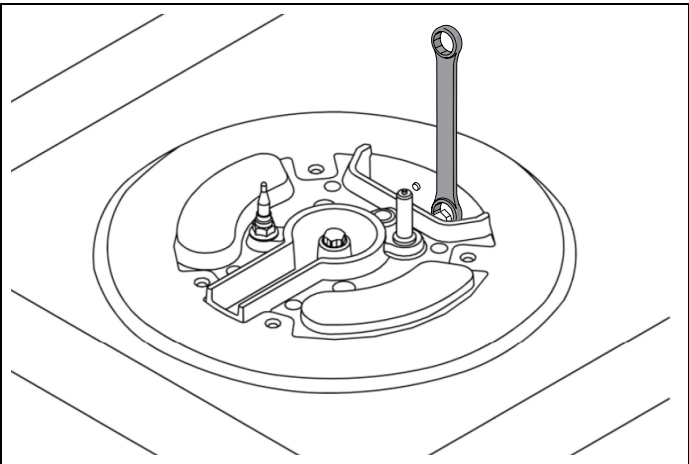


Fig. 27



CAUTION

Do not use an open-ended wrench or pliers. Brass is a soft material, if the Jet is rounded, the whole burner needs to be replaced.

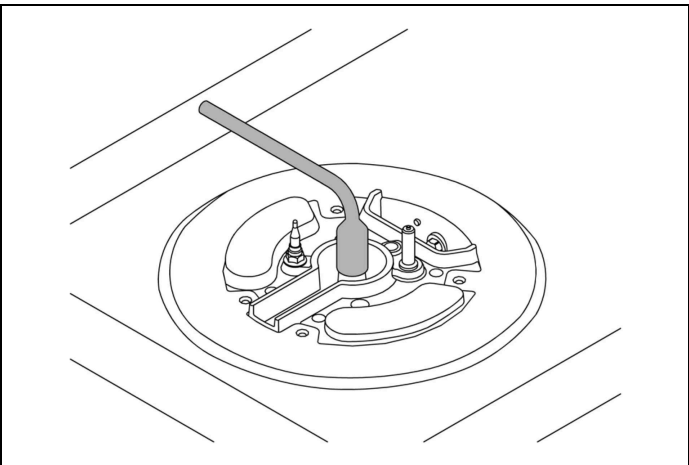


Fig. 28

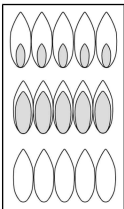
STEP 3: VISUAL CHECKS

SURFACE BURNERS

The burner flame color should be blue with no yellow on the tips. It is not uncommon to see orange in the flame color; this indicates the burning of airborne impurities in the gas and will disappear with use. With propane (LP) gas, slight yellow tips on the primary icon are normal.

The flame should burn completely around the burner cap. If it does not, check that the cap is positioned correctly on the base and that the ports are not blocked.

The flame should be stable with no excessive noise or fluttering.



yellow flames: further adjustment is required

yellow tips on outer cones: normal for LP gas

soft blue flames: normal for natural gas

After performing all these visual checks, reinstall the bottom panel of the oven compartment and proceed to setting the minimum for each burner.

GAS CONVERSION

STEP 4: MINIMUM FLAME ADJUSTMENT



WARNING

These adjustments should be made only for use of the appliance with natural gas. For use with liquid propane gas, the choke screw must be fully turned in a clockwise direction.

SURFACE BURNERS

Light one burner at a time and set the knob to the MINIMUM position (small flame).

Remove the knob.

The range is equipped with a safety valve. Using a small-size slotted screwdriver, locate the choke valve on the valve body and turn the choke screw to the right or left until the burner flame is adjusted to desired minimum.

Make sure that the flame does not go out when switching quickly from the MAXIMUM to the MINIMUM position.

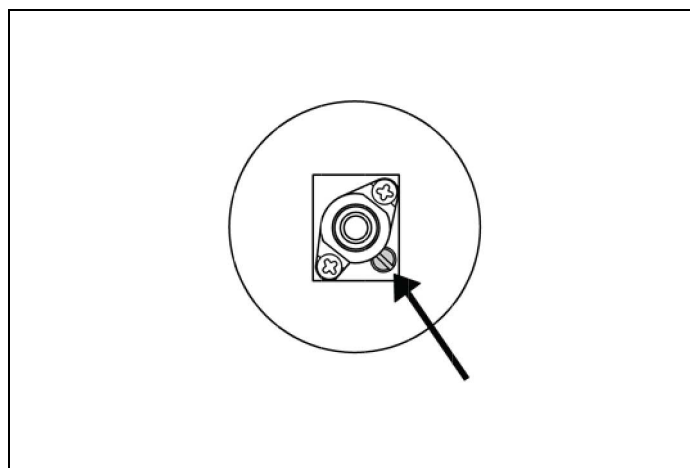


Fig. 29

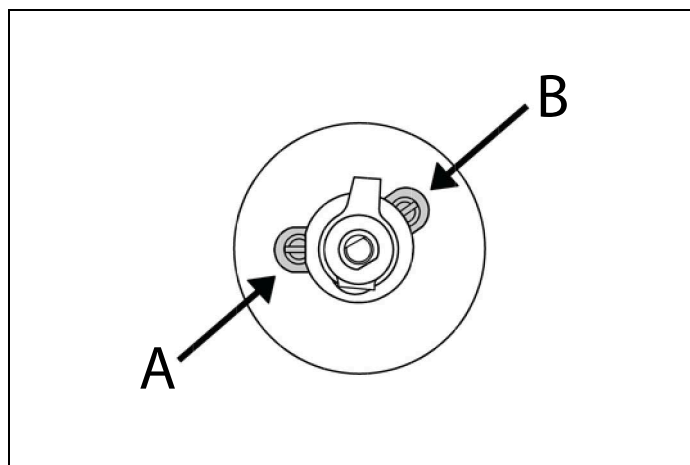


Fig. 30

For the gas valve of dual burner the choke valve is located on the valve body (Fig. 30), the **A** screw adjust the outer ring, the **B** screw adjust the inner ring.

INSTALLATION CHECKLIST

A qualified installer should carry out the following checks:

- ☐ Range mounted on its legs
- ☐ Island trim or Backguard attached according to instruction
- ☐ Anti-tip device properly installed
- ☐ Clearance to cabinet surfaces as manufacturer's guideline
- ☐ Proper ground connection
- ☐ Gas service line connected following manufacturer's guideline
- ☐ Valves, stoppers and gasket installed between the range and the service line
- ☐ Gas connection tested and free of gas leaks
- ☐ Range settled for the type of gas available in the household
- ☐ Each burner lights satisfactorily, both individually and with other burners operating
- ☐ Flame appear sharp blue, with no yellow tipping, shooting or flame lifting
- ☐ Minimum settled for all burners
- ☐ Oven and broiler lights satisfactorily and works properly
- ☐ Oven light works properly.

FINAL PREPARATION

- Before using the appliance, remove any protective wrap from the stainless steel.
- All stainless steel body parts should be wiped with hot, soapy water and with a liquid stainless steel cleanser.
- If buildup occurs, do not use steel wool, abrasive cloths, cleaners, or powders!
- If it is necessary to scrape stainless steel to remove encrusted materials, soak with hot, wet cloths to loosen the material, then use a wood or nylon scraper.
- Do not use a metal knife, spatula, or any other metal tool to scrape stainless steel! Scratches are almost impossible to remove.
- Before using the oven for food preparation, wash the cavity thoroughly with a warm soap and water solution to remove film residues and any dust or debris from installation, then rinse and wiped dry.



CAUTION

When using the oven for the first time it should be operated for 15-30 minutes at a temperature of about 500°F/260°C (main oven) or 440°F/227°C (auxiliary oven) without cooking anything inside in order to eliminate any moisture and odors from the internal insulation.

BERTAZZONI SERVICE

Bertazzoni is committed to providing the best customer and product service. We have a dedicated team of trained professionals to answer your needs.

If you own a Bertazzoni appliance and need service in the US or Canada please use the following contact information:

If located in the USA:

866 905 0010

<https://us.bertazzoni.com/more/support>

If located in CANADA:

800 561 7265

<https://ca.bertazzoni.com/more/support>

Make sure to keep the following information on hand. Our customer service team will require it to open a service ticket or troubleshoot.

- Purchase Date
- Model*
- Serial Number /Production Date*
- *Can be found on data plate

WARNINGS

Warning and Important Safety Instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur.

Common sense, caution, and care must be exercised when installing, maintaining, or operating the appliance.

Read and follow all instructions before using this appliance to prevent the potential risk of fire, electric shock, personal injury or damage to the appliance as a result of improper usage of the appliance. Use appliance only for its intended purpose as described in this manual.

Save this Manual for local electrical inspector's use. Read and save these instructions for future reference. Observe all governing codes, ordinances and regulations.



WARNING

If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Do not store or use gasoline or other flammable vapors and liquid 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 suppliers, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

In Massachusetts:

All gas products must be installed by a "Massachusetts" licensed plumber or gasfitter. A "T" handle type manual gas valve must be installed in the gas line connected to this appliance.

To ensure proper and safe operation: Appliance must be properly installed and grounded by a qualified technician. DO NOT attempt to adjust, repair, service, or replace any part of your appliance unless it is specifically recommended in this manual. All other servicing should be referred to a qualified servicer. Have the installer show you the location of the gas shut-off valve and how to shut it off in an emergency.

A certified technician is required for any adjustments or conversions to Natural or LP gas.

TO PREVENT FIRE OR SMOKE DAMAGE

- Be sure all packing materials are removed from the appliance before operating it.
- Never let clothing, potholders, or other flammable materials come in contact with or too close to any element, top burner or burner grate until it has cooled.
- If appliance is installed near a window, proper precautions should be taken to prevent curtains from blowing over burners.
- Never leave any items on the cooktop. The hot air from the vent may ignite flammable items and may increase pressure in closed containers which may cause them to burst.
- Many aerosol-type spray cans are EXPLOSIVE when exposed to heat and may be highly flammable. Avoid their use or storage near an appliance.

IN CASE OF FIRE

Turn off appliance and ventilation hood to avoid spreading the flame. Extinguish flame then turn on hood to remove smoke and odor.

- Cooktop: Smother fire or flame in a pan with a lid or cookie sheet.
- NEVER pick up or move a flaming pan.
- Oven: Smother fire or flame by closing the oven door. DO NOT use water on grease fires. Use baking soda, a dry chemical or foamtype extinguisher to smother fire or flame, if available, a multipurpose dry chemical or foam type extinguisher.

CHILD SAFETY

- NEVER leave children alone or unsupervised near the appliance when it is in use or is still hot.
- NEVER allow children to sit or stand on any part of the appliance as they could be injured or burned.



CAUTION

Do not store items of interest to children in cabinets above the range or on the backguard of the range. Children climbing on the range to reach those items could be seriously injured.

WARNINGS

COOKING SAFETY

- Once the unit has been installed as outlined in the Installation Instructions, it is important that the fresh air supply is not obstructed. The use of a gas cooking appliance results in the production of heat and moisture in the room in which it is installed.
- Ensure that the kitchen is well-ventilated. Keep natural venting holes open or install a mechanical ventilation device. Prolonged or intensive use of the appliance may call for additional (such as opening a window) or more effective ventilation (such as increasing the level of a mechanical ventilation if present).
- NEVER use aluminum foil to cover oven racks or oven bottom. This could result in risk of electric shock, fire, or damage to the appliance. Use foil only as directed in this guide.
- To eliminate the hazard of reaching over hot surface burners, cabinet storage should not be provided directly above a unit. Temperatures may be unsafe for some items, such as volatile liquids, cleaners or aerosol sprays.
- ALWAYS place a pan on a surface burner before turning it on. Be sure you know which knob controls which surface burner. Make sure the correct burner is turned on and that the burner has ignited. When cooking is completed, turn burner off before removing pan to prevent exposure to burner flame.
- ALWAYS adjust surface burner flame so that it does not extend beyond the bottom edge of the pan. An excessive flame is hazardous, wastes energy and may damage the appliance, pan or cabinets above the appliance. This is based on safety considerations.
- NEVER leave a surface cooking operation unattended especially when using a high heat setting or when deep fat frying. Boilovers cause smoking and greasy spillovers may ignite. Clean up greasy spills as soon as possible. DO NOT use high heat for extended cooking operations.
- DO NOT heat unopened food containers, build up of pressure may cause the container to explode and result in injury.
- ALWAYS let quantities of hot fat used for deep fat frying cool before attempting to move or handle.
- NEVER wear garments made of flammable material or loose fitting or long-sleeved apparel while cooking. Clothing may ignite or catch utensil handles. DO NOT drape towels or materials on oven door handles. These items could ignite and cause burns.
- ALWAYS place oven racks in the desired positions while oven is cool. Slide oven rack out to add or remove food, using dry, sturdy potholders.
- ALWAYS avoid reaching into the oven to add or remove food. If a rack must be moved while hot, use a dry potholder.
- ALWAYS turn the oven off at the end of cooking.
- Use care when opening the oven door. Let hot air or steam escape before moving or replacing food.

- DO NOT cook directly on the oven bottom. This could result in damage to your appliance. Always use the oven racks when cooking in the oven.

Do not connect any appliances to the plugs above or near to the induction cooktop; connection cable insulation can melt if in contact with heat, and this may result in an injury and a property damage.

RECOMMENDED UTENSILS

- Use pans with flat bottoms and handles that are easily grasped and stay cool. Avoid using unstable, warped, easily tipped or loose-handled pans. Also avoid using pans, especially small pans, with heavy handles as they could be unstable and easily tip. Pans that are heavy to move when filled with food may also be hazardous.
- Be sure utensil is large enough to properly contain food and avoid boilovers. Pan size is particularly important in deep fat frying. Be sure pan will accommodate the volume of food that is to be added as well as the bubble action of fat.
- To minimize burns, ignition of flammable materials and spillage due to unintentional contact with the utensil, DO NOT extend handles over adjacent surface burners. ALWAYS turn pan handles toward the side or back of the appliance, not out into the room where they are easily hit or reached by small children.
- NEVER let a pan boil dry as this could damage the utensil and the appliance.
- Follow the manufacturer's directions when using oven cooking bags.
- Only certain types of glass, glass/ceramic, ceramic or glazed utensils are suitable for rangetop surface or oven usage without breaking due to the sudden change in temperature. Follow manufacturer's instructions when using glass.

WARNINGS

INDUCTION COOKING SURFACES

- Surface areas on or adjacent to the unit may be hot enough to cause burns. Do not touch the cooking area as long as the light indicating residual heat on the glass-ceramic cooktop area, is “on”; this indicates that the temperature in the relative area is still high.
- **DO NOT COOK ON BROKEN COOKING SURFACE** – If cooking surface should break, cleaning solutions and spillovers may penetrate the broken cooking surface and create a risk of electric shock. Contact a qualified technician immediately.
- Keep a close eye on children because they are unlikely to see the residual heat warning lights. The cooking zones are still very hot for some time after use, even if they are switched off. Make sure that children never touch them.
- **NEVER** use aluminum foil to hold the food while cooking on a glass-ceramic cooktop area.
- Never place pan with bottoms which are not perfectly flat and smooth on the cooktop area.
- If you drop a heavy pot on your cooktop area it will not break. On the contrary, if a hard object, such as the salt shaker or the spice bottle strikes the edge or the corner of the cooktop area, the cooktop area may break.
- Never use the glass-ceramic cooktop area as support surface.
- Only use cleaning products made specifically for ceramic glass cooking surfaces.

Metal items such as cutlery or lids must never be placed on the surface of the cooktop area since they may become hot.

OVEN HEATING ELEMENTS

- **NEVER** touch oven bake and broil burner areas or interior surfaces of oven.
- Bake and broil burners may be hot even though they are dark in color. Areas near burners and interior surfaces of an oven may become hot enough to cause burns.
- During and after use, **DO NOT** touch or let clothing or other flammable materials contact heating elements, areas near elements, or interior surfaces of oven until they have had sufficient time to cool. Other surfaces of the oven may become hot enough to cause burns, such as the oven vent opening, the surface near the vent opening, and the oven door window.

CLEANING SAFETY

- Turn off all controls and wait for appliance parts to cool before touching or cleaning them. **DO NOT** touch the burner grates or surrounding areas until they have had sufficient time to cool.
- Clean the range with caution. Avoid steam burns; **DO NOT** use a wet sponge or cloth to clean the range while it is hot. Some cleaners produce noxious fumes if applied to a hot surface. Follow directions provided by the cleaner manufacturer.
- **DO NOT** clean, rub, damage, move or remove the door gasket. It is essential for a good seal during baking. If the gasket becomes worn or excessively soiled with food particles, replace gasket to assure a tight seal.

POWER FAILURE WARNING

Due to safety considerations and the possibility of personal injury in attempting to light and extinguish the oven burners, the grill and the oven burner should not be used during a power failure. The oven control knob should always remain in the “OFF” position during a power failure.



WARNING

Never use this appliance as a space heater to heat or warm the room. Doing so may result in carbon monoxide poisoning and overheating of the oven.

ROOM VENTILATION

An exhaust fan may be used with the appliance; in each case it shall be installed in conformity with the appropriate national and local standards. Exhaust hood operation may affect other vented appliances; in each case it shall be installed in conformity with the appropriate national and local standards.

ELECTRICAL SHOCK HAZARD

Make sure all controls are OFF and oven is COOL before cleaning. Failure to do so can result in burns or electrical shock.

DO NOT touch a hot oven light bulb with a damp cloth as the bulb could break. Should the bulb break, disconnect power to the appliance before removing bulb to avoid electrical shock.



WARNING

Never cover any slots, holes or passages in the oven bottom or cover an entire rack with materials such as aluminum foil. Doing so blocks air flow through the oven and may cause carbon monoxide poisoning. Aluminum foil linings may also trap heat, causing a fire hazard.

WARNINGS

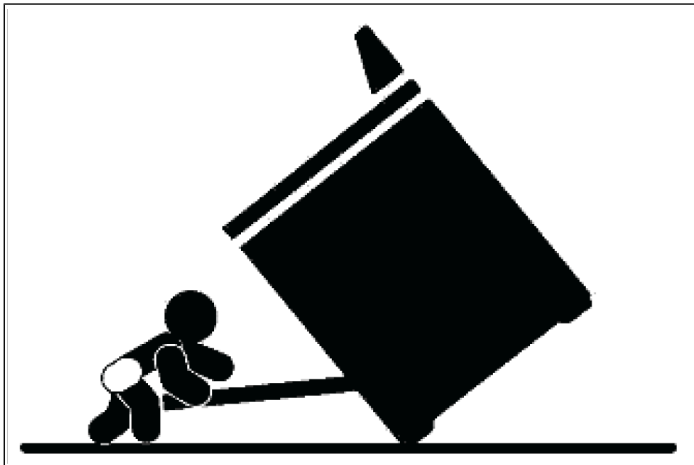
BURN HAZARD

The oven door, especially the glass, can get hot. DO NOT touch the oven door glass!

The instructions shall warn the user of possible hazard or injuries that may result from the misuse of appliance doors such as stepping, leaning or sitting on the doors.

WARNING-TIPPING HAZARD

Children and adults can tip over the range if it has not been secured. This may lead to fatal injuries.



To reduce the risk of the appliance tipping, it must be secured and connected using the anti-tip device according to the installation instructions. Re-engage the anti-tip device if the range is moved.

Do not operate the range without the anti-tip device in place and engaged. Do not use the range if the anti-tip device has not been properly installed and engaged. See installation instructions for details.

Failure to observe the information contained in the installation instructions can lead to serious or fatal injuries for children and adults.



WARNING

Cancer and Reproductive Harm

www.P65Warnings.ca.gov

WORKTOP AND KNOBS LAYOUT

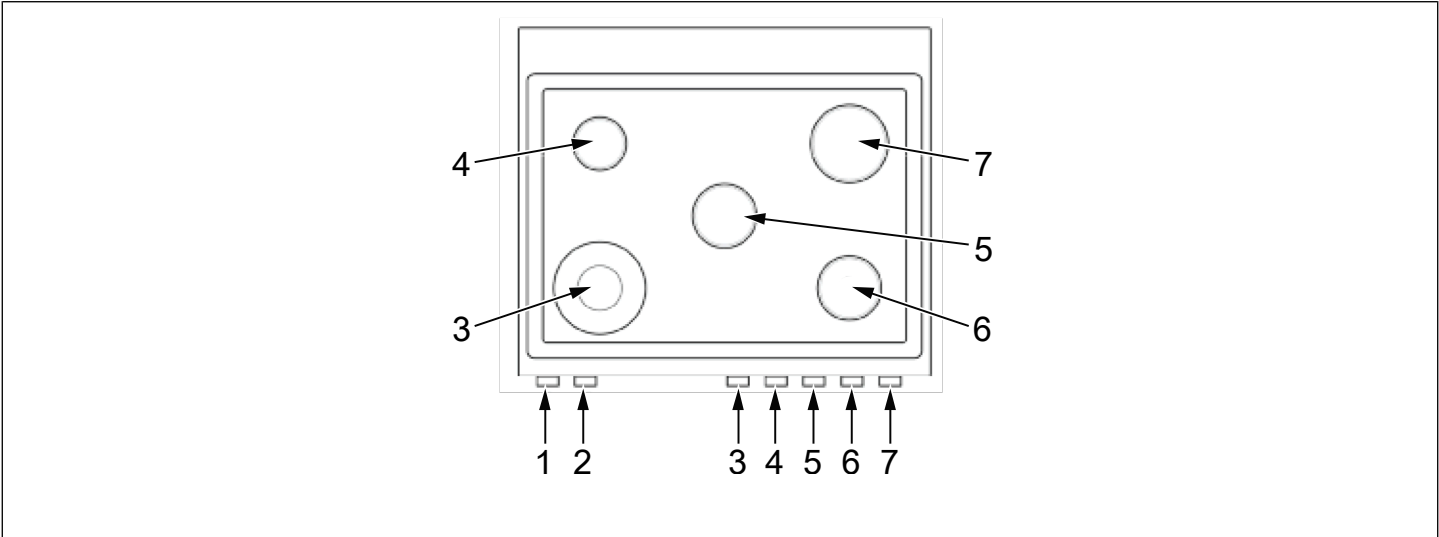


Fig. 31

HEATING ELEMENT	
1	Oven functions selector
2	Oven thermostat
3	Left front burner
4	Left rear burner
5	Central burner
6	Right front burner
7	Right rear burner



BURNER CAPS AND GRATES

The burners and the burner caps must be properly placed for the cooktop to function properly.

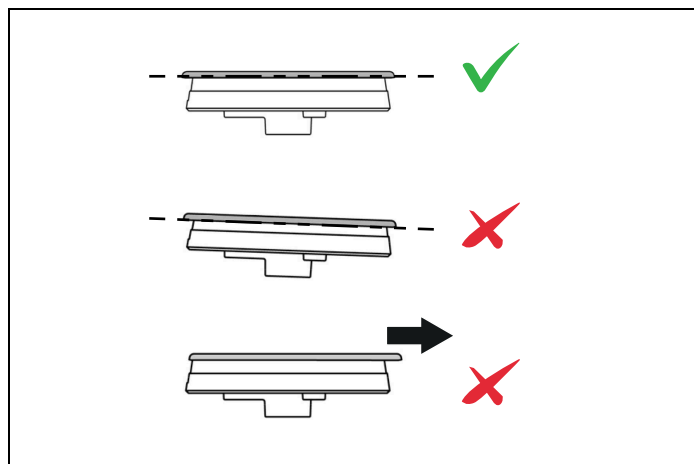


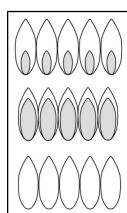
Fig. 32

The burner grates must be properly placed inside the recess on the cooktop.

MAKING SURE THE FLAME IS OPTIMAL

The flame should be stable with no excessive noise or fluttering. The color should be blue with no yellow on the tips. It is not uncommon to see orange in the flame color; this indicates the burning of airborne impurities in the gas and will disappear with use.

- With propane (LP) gas, slight yellow tips on the primary icon are normal.
- The flame should burn completely around the burner cap. If it does not, check that the cap is positioned correctly on the base and that the ports are not blocked.



yellow flames: further adjustment is required

yellow tips on outer cones: normal for LP gas

soft blue flames: normal for natural gas

The correct flame height depends on:

- size and material of pan being used
- food being cooked
- amount of liquid in the pan.

Never extend the flame beyond the base of the pan. Use a low or medium flame for pan materials that conduct the heat slowly, such as porcelain coated steel or glass-ceramic.

Because the edges of the flame are much hotter than its center, the flame tips should stay beneath the bottom of the cookware. Flame tips which extend beyond the sides of the cookware emit unnecessary heat into the room and can also damage cookware handles, which increases the risk of injury.

GAS COOKTOP

USING THE GAS BURNERS

- Press in the control knob and turn it anti-clockwise, to HIGH position.
- Continue to hold the knob in for 5 to 10 seconds after the burner ignition before releasing.
- Adjust flame with the knob as needed.

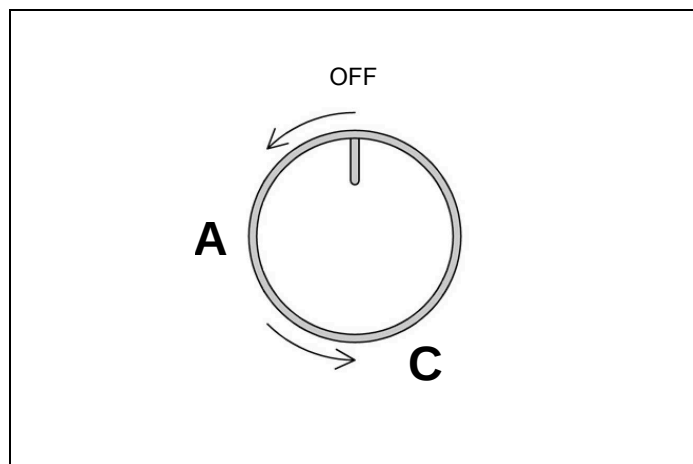


Fig. 33

- A — high
- C — low

USING THE POWER BURNERS

To give further flexibility, the dual power burner can be used as a single simmer burner if the central burner alone is ignited or as a power burner if the outer burner is also ignited.

To light the central burner, press in the control knob and turn it anti-clockwise to the HIGH of the single ring position.

Continue to hold the knob in for 5 to 10 seconds after the burner ignites before releasing.

To also light the outer burner, turn the knob to the HIGH double ring position. Adjust the flame as required.

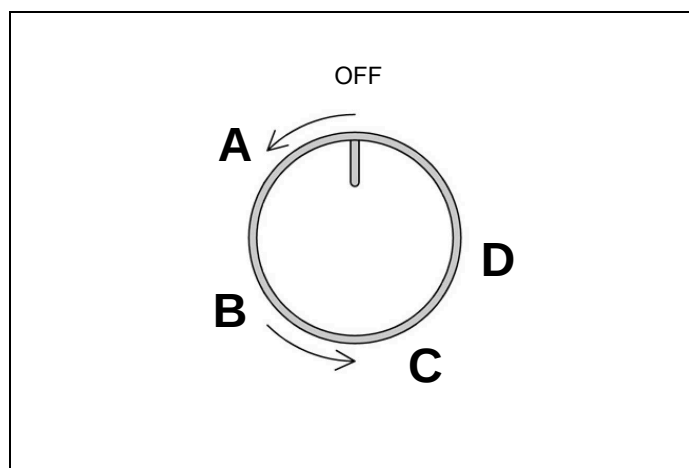


Fig. 34

- A. high central
- B. low central
- C. high central-outer
- D. low central-outer

GAS SHUT-OFF SAFETY - THERMOCOUPLE

A flame failure device (thermocouple) on each burner acts as a safety gas cut-off in case the flame is accidentally blown out. A thermocouple detects the absence of a flame and stops the supply of gas. The thermocouple must be heated for a few seconds when the burner is ignited before the knob is released.

GAS COOKTOP

USING SPECIALTY COOKWARE

WOKS

Either flat-based or round-bottom woks with the accessory ring can be used on all models. Round bottom woks must be used with a support ring. In some models the porcelain-coated cast iron wok support ring must be purchased separately.

SIMMER RING

For very slow cooking the porcelain coated simmer ring should be used. In some models the porcelain-coated cast iron simmer ring must be purchased separately. Simmer ring must be used for pan with diameter less than 4 inches.



NOTE

In the event of a power failure, the burners can be lit with a match or gas lighter. The flame failure devices will continue to function normally.

GAS BURNER DIMENSIONS AND RECOMMENDED PAN SIZE

BURNER	DIAM. IN (MM)	DIAM. OF PAN	UTILIZATION
Auxiliary	ø 2" (50 mm)	ø 3"1/2–5"1/2 (90-140 mm)	Use with smaller pans for boiling and simmering and the preparation of sauces.
Semi-rapid	ø 2"3/4 (70 mm)	ø 5"1/2–10"1/4 (140-260 mm)	Use for normal frying and boiling in medium and small pans.
Rapid	ø 3"3/4 (95 mm)	ø 7"1/8–10"1/4 (180-260 mm)	Use with large and medium pans of water for frying and rapid boiling.
Dual inner/outer	ø 1"11/16–5"1/2 (43-140 mm)	ø 8"2/3–10"1/4 (220-260 mm)	Use with woks, griddles and frying pans or for large pans and rapid boiling.



ELECTRIC CONVECTION OVEN



WARNING

Attention! When using the oven for the first time it should be operated for 15-30 minutes at a temperature of about 500°F/ 260°C without cooking anything inside in order to eliminate any moisture and odors from the internal insulation.

SHELVES POSITIONS

Shelves are mounted on the appropriate guides situated on the sides of the oven compartment. Insert the shelf between top and bottom guide in any of the 7 positions indicated.

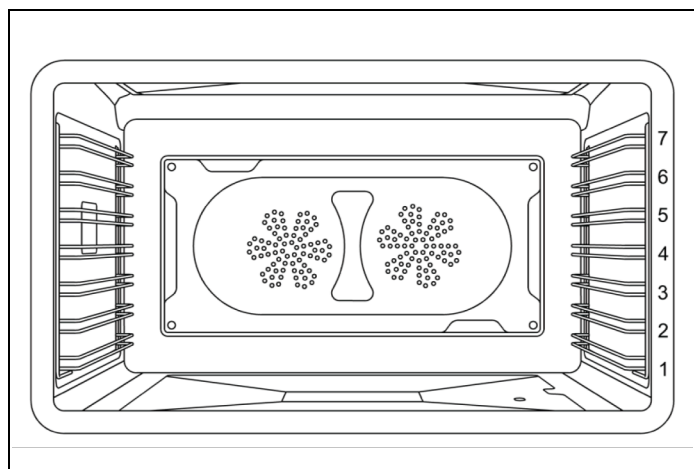


Fig. 35

USING THE OVEN

- 1) Place rack in desired position and shut the door.
- 2) Select the oven function with the dedicated function knob. The light in the cavity will turn on.
- 3) Set the desired temperature with the dedicated selector knob.

This appliance is equipped with 1 indicator light on the front panel. Light on indicates that the oven heating element/s are activated.

COOLING FAN

Automatic operation of the cooling fan. The range cooker is equipped with a thermostatically controlled cooling fan designed to prevent the control panel and knobs from overheating. The cooling fan will operate when the oven temperature rises. It will turn off when the temperature decreases.



NOTE

It is normal for the cooling process to push heated air out into the room when the oven is on.

PREHEATING THE OVEN

Most cooking times in recipes are intended for a preheated oven and require that the oven already be at the set temperature before placing food in the oven. Preheating time depends on the temperature setting and the number of racks in the oven.

ELECTRIC CONVECTION OVEN

OVEN COOKING MODES

The oven is equipped with 4 heating elements, used alone or in combination to create different cooking modes:

- Upper bake element
- Lower bake element
- Broil element
- Convection element.

The temperature setting and cooking times can vary slightly from one oven to another. It is possible that recipes and cooking times need to be adjusted accordingly.

PRE-HEAT

Use this setting for fast pre-heating the oven. This function provides the most efficient and fastest way to preheat the cavity. Preheat function is unsuitable for use as a cooking function.

BAKE

Heat from upper and lower element.

Use this setting for baking, roasting, and casseroles on a single rack.

- Standard bake: level 3 or 4.
- Taller items: level 3.
- Pies: level 2 or 3 to ensure the bottom of the crust is done without over-browning the top.
- Large cuts of meat or poultry: level 2.

BOTTOM BAKE

Heat from lower element only.

Use this setting at low temperatures for slow-cooking casseroles, custards or for warming plates. Use at high temperatures for cooking sweet and savory pastry tarts.

Use at high temperatures for cooking sweet and savory pastry tarts.

Use the same rack position as BAKE mode.

UPPER BAKE

Heat from upper element only.

Use this setting for browning and reheating dishes such as lasagne, moussaka and cauliflower cheese.

The up Bake mode is best for baking on one rack.

- Standard bake, level 3 or 4
- Tall items, level 3
- Pies, level 4 or 5 to ensure the top of the crust is done without over-browning the bottom.

BROIL

Heat from the broil element only.

The BROIL setting creates intense heat from the top of the cavity. The broil mode is effective when food is placed on upper racks.

- Beef steaks, ground meat patties, and lamb chops 1 inch or less: level 6.
- Meat 1 inches or more thick, fish, poultry, pork chops, ham steaks 1 inch or more: level 5.
- Browning food: level 6 (no longer than 15 mins).

CONVECTION BROIL

Heat from broil element and air flow convection with fan.

Use this setting for browning and cooking evenly food on all sides, including bottom. Also recommended for food that is too delicate to turn over such as fish. The fan circulates hot air around the food helping to cook it all the way through. The degree of browning on each side might be different.

The conv broil mode must be used on one rack,

- sausages and chicken portions: level 5 or 6
- foods with high water content such as bacon and chops: level 5 or 6 (door closed 400°F).

CONVECTION BAKE

Heat from upper and lower bake element and air flow convection with fan.

Use this setting to bake and roast different foods at the same time with no taste transfer. The fan circulates the hot air around the oven for uniform cooking of larger quantities of food. Use for roasting vegetables, meat and poultry, or baked fish. This function is the best one for cooking frozen products and breaded/battered chicken or fish. It may be used for cakes, cookies, biscuits and other foods on multiple racks.

Use the same rack position as BAKE. When using 2 racks, use level 3 and 5.

CONVECTION

Heat from the convection element and airflow convection with fan.

Use this mode for most recipes being careful at calibrating the time. Less time is usually required to reach the desired result when using convection. The temperature is kept uniform throughout the oven, which is particularly suitable for baking on several levels or for batch cooking.

- Single rack: use the same rack position as bake
- 2 racks: use level 3 and 5
- 3 racks: use level 2, 4, 6.

ELECTRIC CONVECTION OVEN

PIZZA

Heat from lower bake element and circular element and airflow convection with fan.

Use for cooking pizza, pastry or flat breads to get a perfectly cooked base.

Use level 3 or level 2 to ensure the bottom of the crust is done.

SPECIAL FUNCTIONS

LIGHT

Use this function to light the oven when the oven is off (for example to clean the oven). Turn the function knob to 'bake'. DO NOT turn on Oven Temperature Control Knob.

PROOFING

The proof feature maintains the warm, needed for proofing yeast. It is best to start with a cool oven when using the proofing function. Turn the function knob to 'light'. DO NOT turn on Oven Temperature Control Knob. Do not open the oven door unnecessarily.

CONVECTION DEFROST

Air is circulated by the airflow fans. The fan accelerates natural defrosting of food without heat. DO NOT leave defrosted food in the oven for more than two hours. Place the frozen food on a baking sheet. Turn the function knob to 'CONV'. DO NOT turn on Oven Temperature Control Knob.

CONDENSATION

It is normal for a certain amount of moisture to evaporate from the food during any cooking process. The amount depends on the moisture content of the food. The moisture will condense on any surface cooler than the inside of the oven, such as the control panel.

USING ALUMINUM FOIL IN THE OVEN

Foil can be used to cover food in the oven but this should not come into close proximity with the oven elements. Foil should not be used to line the oven cavity or grill pan. This can cause overheating, buckling and cracking of the enamel surfaces.

GETTING THE BEST RESULTS

- Minimize opening and closing the oven door during operation.
- Use the rack position recommended by the recipe and fine-tune with personal experience.
- Use the bakeware recommended in the recipe.
- Store the broiler pan(s) outside the oven. An extra pan without food will impact browning and cooking.
- For tender, golden brown crusts, use light non-stick/anodized or shiny metal pans.
- For brown crisp crusts, use dark non-stick/anodized or dark, dull metal pans or glass bakeware. These may require lowering the bake temperature 25°F (14°C).
- Allow at least 1" (25.4 mm) of space between the pans and the oven walls so heat can circulate around each pan.
- To keep the oven as clean as possible, cook meat on a pan and not directly on the racks.
- Cooking will continue with residual heat. remove the dish from the oven immediately to avoid overcooking.

ELECTRIC CONVECTION OVEN

OVEN COOKING RECOMMENDATIONS

FOOD	PAN SIZE	CONTROL TEMPERATURE SETTING	TOTAL SUGGESTED COOKING TIME
Cookies	12"x15" Cookie Sheet	375°F	8 to 12 minutes
Layer Cakes	8"or 9" Round	350°F	25 to 35 minutes
Sheet Cakes	9"x13" Pan	350°F	30 to 40 minutes
Bunt Cakes	12 Cup	325°F	60 to 75 minutes
Brownies or Bar Cookies	9"x9" Pan	325°F	20 to 25 minutes
Biscuits	12"x15" Cookie Sheet	425°F or Package Directions	10 to 15 minutes
Quick Bread	8"x4" Loaf Pan	350°F	55 to 70 minutes
Muffins	12 cup Muffin Pan	425°F	14 to 19 minutes
Fruit Pies	9" Diameter	425°F	35 to 45 minutes
Fruit Cobblers	9"x9" Pan	400°F	25 to 30 minutes
Yeast Bread, Loaves	8"x4" Loaf Pan	375°F	25 to 30 minutes
Dinner Rolls	9"x13" Pan	400°F	12 to 18 minutes
Cinnamon Rolls	9"x13" Pan	375°F	25 to 30 minutes
Yeast Cotter and Cake	12"x15" Cookie Sheet	400°F	20 to 30 minutes



ELECTRIC CONVECTION OVEN

BROILING RECOMMENDATION

FOOD ITEM	CONTROL TEMPERATURE SETTING SELECTOR	APPROXIMATE COOKING TIME	SPECIAL INSTRUCTIONS AND TIPS
BEEF Ground Beef Patties, ½" thick	500°F fixed temperature setting	15 to 20 minutes	Broil until no pink in center
T-Bone Steak	500°F fixed temperature setting	12 to 20 minutes	Time depends on rareness of steak
Flank Steak	500°F fixed temperature setting	12 to 20 minutes	Rare to Medium Rare
Eye of Round Roast	325°F	20 to 25 min/lb	Small roasts take more minutes per pound; reduce time by using Convection Bake
PORK Loin Roast	325°F	20 to 25 min/lb	Cook until juices are clear
POULTRY Boneless Skinless Chicken Breasts	500°F fixed temperature setting	20 to 25 minutes	Cook until juices are clear
Chicken Thighs	500°F fixed temperature setting	25 to 30 minutes	Remove skin; Cook until juices are clear
Half Chickens	500°F fixed temperature setting	30 to 45 minutes	Turn with tongs; Cook until juices are clear
Roast Chicken	350°F	75 to 90 minutes	Do not stuff; reduce time by using Convection Bake
Turkey	325°F	20 to 25 min/lb	Do not stuff; reduce time by using Convection Bake

ELECTRIC CONVECTION OVEN

TROUBLESHOOTING COMMON PROBLEMS WITH OVEN COOKING

PROBLEMS	CAUSE	REMEDY
Cakes burned on the sides or not done in center	Oven too hot	Reduce temperature
	Wrong pan size	Use recommended pan size
Cakes crack on top	Batter too thick	Follow recipe or add liquid
	Oven too hot	Reduce temperature
	Wrong pan size	Use recommended pan size
Food too brown on bottom	Oven door opened too often	Use door window to check food
	Incorrect rack position	Use recommended rack position
	Wrong bake setting	Adjust to conventional or convection setting as needed
Food too brown on top	Incorrect rack position	Use recommended rack position
	Oven not preheated	Allow oven to preheat
Cookies too flat	Hot cookie sheet	Allow sheet to cool between batches
Pies burned around edges	Oven too hot	Reduce temperature
	Oven not preheated	Allow oven to preheat
Pies too light on top	Oven not hot enough	Increase temperature
	Oven not preheated	Allow oven to preheat

OVEN TEMPERATURE GAUGE

The oven temperature gauge measures the temperature in the oven cavity, and provides an useful indication of when the cavity is adequately pre-heated and actual baking or roasting may start. The temperature ranges on the dial are:

- BAKE 300-400°F
- ROAST 425-500°F

It is normal that you may see fluctuations in the needle as the oven cycles



Fig. 36



ELECTRIC CONVECTION OVEN

TELESCOPIC GLIDES

The telescopic glides fit any shelf level and work with the wire shelves provided as standard equipment.

FITTING THE GLIDES

- 1) Locate the two spring clips at the front and back of the glides.
- 2) Locate the pin on the glide that indicates the back.
- 3) Choose the right level and position the telescopic glide near the upper wire.
- 4) Gently insert the front spring clip on the glide.
- 5) Insert the rear spring clip on the glide.
- 6) Pull and push each glide to ensure the correct installation and smooth operation.
- 7) Extract both glides to the fully extended position and place the shelf over them, making sure it is accurately placed between the rear pin and the front pin.

REMOVING THE GLIDES

- 1) Locate the two spring clips at the front and back of the glide.
- 2) Gently pull down the front spring clip.
- 3) Pull the glide away from the oven side - be careful not to strain the clip.
- 4) Repeat steps 2 - 3 on rear spring clip to remove glide.

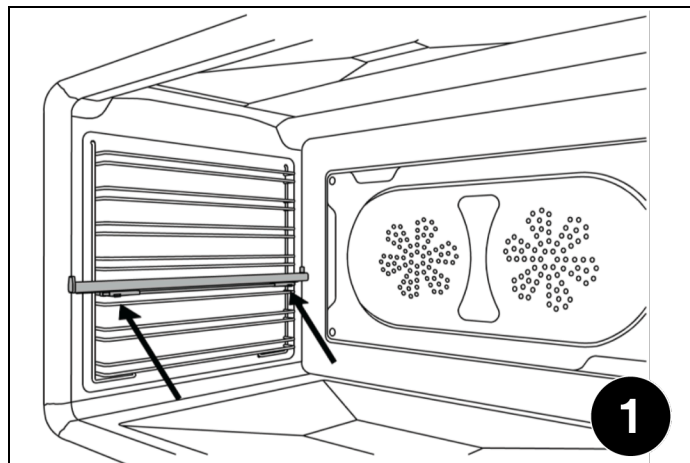


Fig. 37

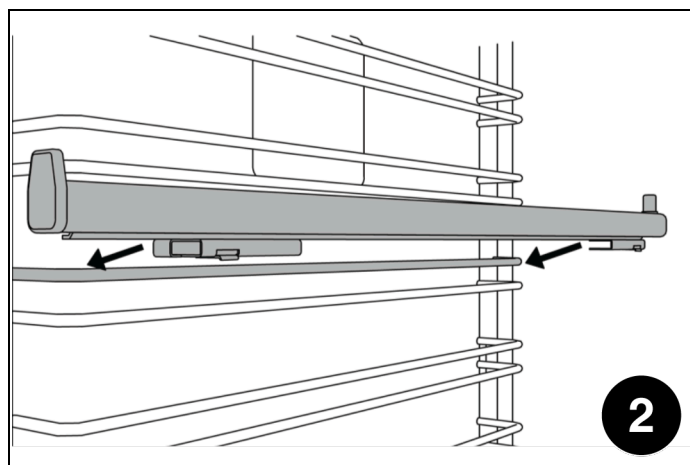


Fig. 38

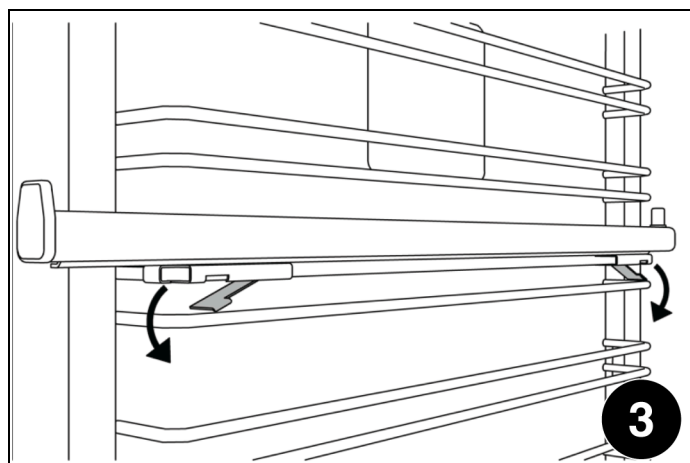


Fig. 39

ELECTRIC CONVECTION OVEN

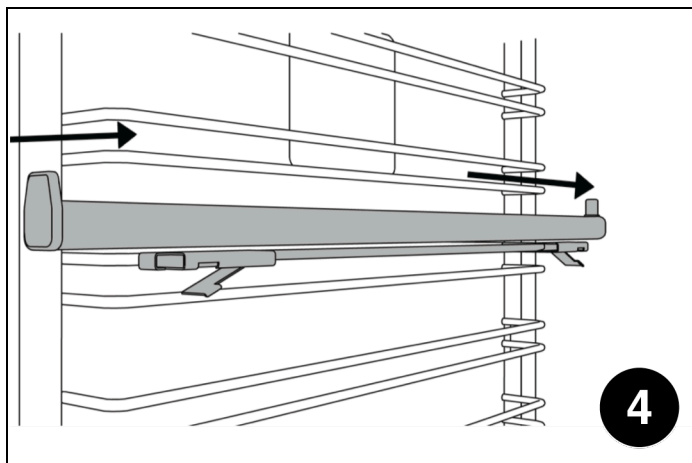


Fig. 40

KEEPING YOUR BERTAZZONI CLEAN

BURN HAZARD

Make sure the heating elements are turned off and allowed to cool completely before any cleaning and/or maintenance operation.

THINGS TO AVOID

- Do not use a steam cleaner to clean the range: the steam could reach electrical components and cause a short.
- Do not spray liquids such as cleaning agents into the openings on the bottom and top of the oven cavity.
- All surfaces can discolor or be damaged if unsuitable cleaning agents are used. The front of the oven, in particular, will be damaged by oven cleaners and descalers. All surfaces are susceptible to scratching. Scratches on glass surfaces may cause a breakage. Immediately remove any residues by using suitable cleaning products.
- The heating elements in the oven do not require cleaning. The elements burn off any residue when the oven is in use.

CLEANING STAINLESS STEEL

All stainless steel parts should be wiped with hot water and soap solution at the end of each cycle. Wipe up spills and boilovers immediately. Use suitable, non-abrasive stainless cleaning products when water and soap solution will not do the job. **DO NOT use steel wool, abrasive cloths, cleansers, or powders.** If necessary, scrape stainless steel to remove encrusted materials, soak the area with hot towels to soften the residue, then use a wooden or nylon spatula or scraper. **DO NOT use a metal knife, spatula, or any other metal tool to scrape stainless steel.** DO NOT permit citrus or tomato juice to remain on stainless steel surface, as citric acid will permanently discolor stainless steel.

CLEANING PAINTED SURFACES

Clean with a soft cloth, warm water and non-abrasive dishwashing liquid. Whilst still damp, polish dry with a clean soft cloth.

CLEANING GLASS SURFACES

Clean with cleaning detergent and warm water. Glass cleaner can be used to remove fingerprints. If using glass cleaner containing ammonia, make sure that it does not drip on exterior door surface.

CLEANING THE BROILER PAN

Clean with detergent and hot water. For stubborn spots, use a soap-filled steel wool pad.

The porcelain enamel finish is acid resistant, but not acid proof. Acidic foods, such as citrus juices, tomatoes, rhubarb, vinegar, alcohol or milk, should be wiped up and not allowed to bake onto the porcelain during the next use.

CLEANING THE INDUCTION COOKTOP

Allow the glass to cool down until the residual heat indicator is off before cleaning. Never use scouring powders or paste, metal scourers, oven cleaners or any abrasive cleaning products on the hotplate. Clean spillovers before using the cooktop again. For light cleaning, wipe with a soft cloth, warm water and dishwashing liquid. For a streak free finish, polish dry with a microfiber cloth. For more stubborn marks and to condition the surface, use a good quality cooktop cleaner/conditioner, following the manufacturer's instructions. For spillages with high sugar content such as jam, or the accidental melting of plastic or alloy materials, turn off the heating zone and remove the spillage immediately.

Use caution because the heating area may be very hot.

CLEANING THE OVEN CAVITY

- Always allow the oven interior to cool before cleaning.
- Do not allow vinegar, wine, coffee, milk, salt water or fruit juices to remain in contact with enamelled surfaces for prolonged periods as they may stain or discolor the surface.
- Never use sharp utensils to remove stains as this could scratch the surface.
- Never use steam cleaners on the oven interiors as steam may damage electronic parts.
- For light cleaning, wipe with a soft cloth, using warm water and washing up liquid. For heavier residues, use a cream cleaner and a nylon scourer.
- Oven cleaning products can be used according to the manufacturer's directions but care should be taken that they do not come in contact with any stainless steel, chrome, painted or alloy parts of the range or the door seals and elements.

CLEANING OVEN RACKS AND SUPPORTS

Clean with detergent and hot water. Stubborn spots can be scoured with a soap-filled steel wool pad.

SIMPLE MAINTENANCE

Keeping appliance area clear and free from combustible materials, gasoline and other flammable vapors or liquids.

Not obstructing the flow of combustion and ventilation air.

These simple tasks can be performed by the owner. For any other maintenance task, we recommend employing a trained service technician. Please call our toll free line to identify service technicians in your area:

If located in the US, BC, B, Sk and MB

866 905 0010

<https://us.bertazzoni.com/more/support>

If located in CANADA, ON, QC, PE, NU, NS, NL, NB

800 561 7265

<https://ca.bertazzoni.com/more/support>

REPLACING OVEN LIGHTS



WARNING

Electric shock hazard!

Disconnect the electric power at the main fuse or circuit breaker before replacing bulb. DO NOT touch bulb with bare hands. Clean off any signs of oil from the bulb and handle with a soft cloth.

SIMPLE MAINTENANCE

SIDE OVEN LIGHT

Bulb type: halogen G9 120 V, 40 W

- Make sure the heating elements are turned off and allowed to cool completely. Disconnect the appliance from the power supply. Remove the oven rack if it interferes with the light housing.
- Slide the tip of a flat screw driver between the glass cover and the lamp housing. Gently twist the screw driver tip to loosen the glass lens cover, holding it in place with your fingers to prevent it from falling and breaking.
- Remove the glass lens cover and then remove the halogen bulb.

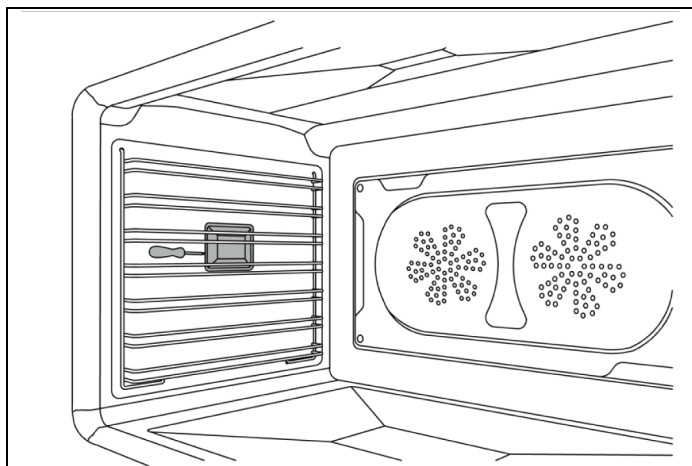


Fig. 41

- Place a new halogen bulb in its slot. DO NOT touch bulb with bare hands.
- Press the glass cover back into place and replace the oven rack.
- Reconnect the oven to the electrical supply.

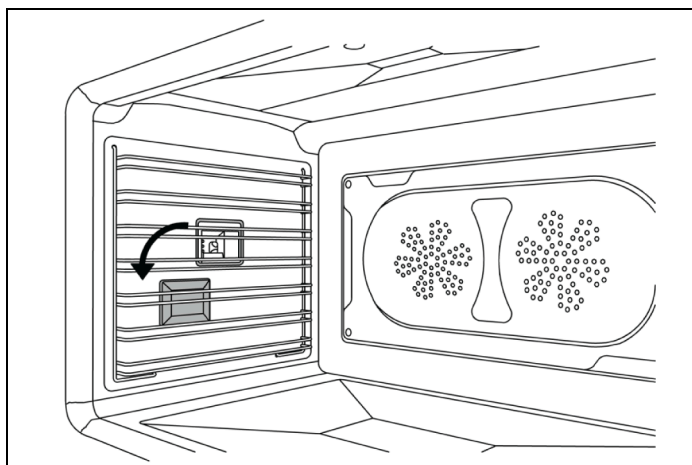


Fig. 42

TOP OVEN LIGHT

Bulb type: halogen G9 120 V, 40 W

- Make sure the heating elements are turned off and allowed to cool completely. Disconnect the appliance from the power supply.
- Unscrew the glass cover and remove the halogen bulb.
- Place a new halogen bulb in its slot. DO NOT touch bulb with bare hands.
- Screw the glass cover back in place.
- Reconnect the oven to the electrical supply.

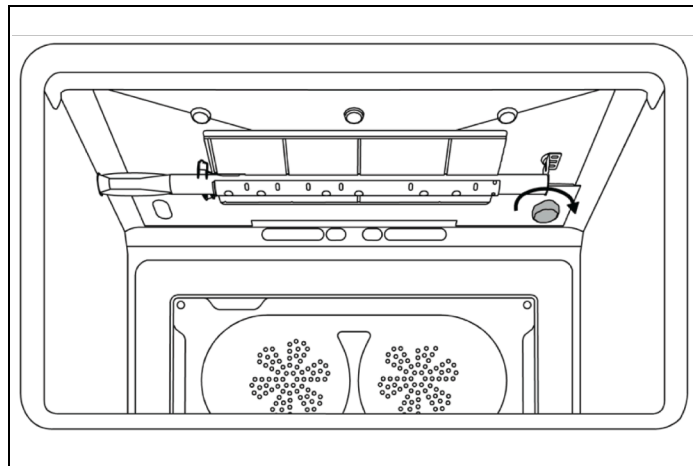


Fig. 43

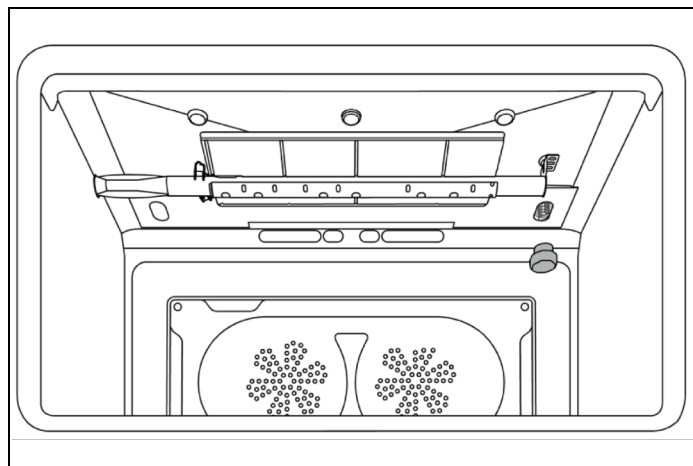


Fig. 44

TROUBLESHOOTING

Here are answer to common problems you may experience. You are also welcome to call our toll free Customer Service line to troubleshoot any issue with your Bertazzoni.

If located in the USA

866 905 0010

<https://us.bertazzoni.com/more/support>

If located in CANADA

800 561 7265

<https://ca.bertazzoni.com/more/support>

THE OVEN WILL NOT OPERATE

Is there power to the range? Check the switch fuse or circuit breaker.

THE CONTROL KNOBS ARE GETTING TOO HOT

Are you cooking with the oven door open? Keep the oven door shut when not in use or when grilling/broiling.

A CONTROL KNOB IS LOOSE ON ITS SHAFT

The knob retaining spring clip may have been damaged. Call our service department for advice and a replacement if necessary.

FOOD IS COOKING TOO QUICKLY

Are you using a convection mode?

When using a fan-assisted oven cooking mode, it is recommended to reduce the cooking temperature by 70°F (20°C) compared to conventional cooking.

FOOD IS NOT COOKING EVENLY

Are you cooking large amount of food or are you using large bakeware?

Air needs to circulate through the oven for even cooking. Remove the grill pan from the oven when not in use and always allow a gap on all four sides of dishes. You may need to turn your bakeware during the cooking cycle. Oversized baking sheets, roasting pans and cakeware will act as a baffle and prevent hot air from moving evenly around the cavity. Choose cooking equipment that allows a minimum of 1 inch (2.5 cm) space on all sides to allow the free movement of heat inside the cavity.

GRILLING IN THE OVEN IS SLOW

Have you selected the correct function?

CONDENSATION FORMS IN THE OVEN

Have you pre-heated the oven?

Condensation is less likely to form when the oven or grill is pre-heated before use.

SMOKE IS GENERATED IN THE OVEN

Have you selected the right cooking temperature? Are you cooking food with high fat? Do you rarely use the grill? Have you cooked fat under the grill? Does the oven interior need to be cleaned?

Remember to reduce the oven temperature by 70°F (20°C) if using a fan function with a recipe designed for conventional cooking. Use high-sided dishes to contain fats and splashes. Leave the grill on for a few minutes after grilling or roasting to burn off fat deposits from the oven roof. Oven surfaces should be cleaned regularly to prevent build-up of cooking residues.

Please kindly register on our web site www.bertazzoni.com to validate your new product warranty and help us to assist you better in case of any inconvenience.

For any warranty information and service request, contact us:



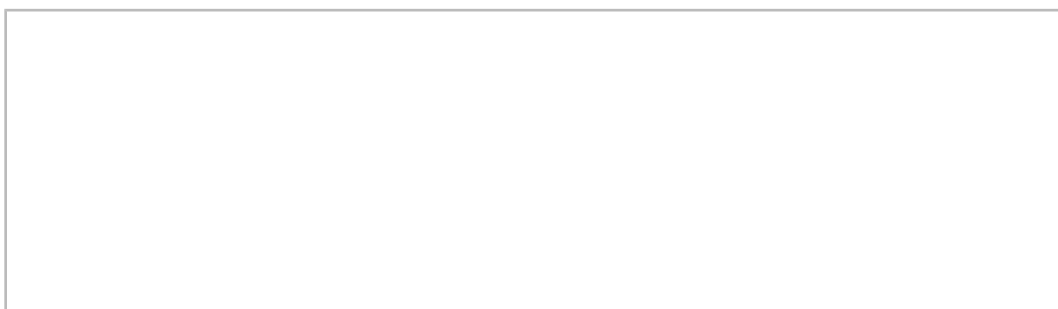
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