RANGEmaster

Britain's No.1 Range Cooker









USER GUIDE & INSTALLATION INSTRUCTIONS

Classic 90 Dual Fuel
Rangemaster 90 Dual Fuel
Toledo 90 Dual Fuel



RANGEMASTER COOKWARE

Our range cookers are well known for providing the best possible cooking performance and years of faithful service. However, a great cooker alone cannot guarantee perfect results every time. The other vital ingredients are of course enthusiasm and quality cookware.

We offer cookware to work perfectly with all fuel types manufactured by Rangemaster, including induction hobs. You can be assured of functionality with style, as well as the quality and meticulous attention to detail you expect from the pioneers of range cooking.

Visit: www.rangemastercookshop.co.uk

FRUITY BAKED PUDDING

Serves 4–6

Ingredients

- Oil for greasing
- 100 g strawberries
- 100 g raspberries
- 100 g redcurrants
- 100 g blackberries
- or a 400 g mixture of any soft fruits
- 2 medium eggs
- 30 g caster sugar
- 80 ml skimmed milk
- 2 tsp vanilla extract
- 60 g plain flour (sifted)
- 1 tsp baking powder
- Icing sugar to dust

Method

1. Preheat the oven to 200 °C (for a conventional oven), 180 °C (for a fan oven) or gas mark 6.
2. Lightly grease a dish 26 cm wide x 4 cm deep.
3. Thickly slice any large strawberries and place them with the other fruits into an ovenproof dish, deep enough so the berries are about 2 deep.
4. Whisk the eggs and caster sugar until pale and fluffy. Beat the milk and vanilla extract into the mixture and then fold in the sifted flour and baking powder.
5. Pour the cake mix over the fruit and bake on the centre shelf of the oven for 15-20 minutes, or until the mixture is cooked through and golden on the top.
6. Dust with icing sugar and serve immediately with cream or crème fraiche.





ROAST LOIN OF PORK WITH PROSCIUTTO & BAY LEAVES

Ingredients

- 3 kg (6½ lb) skinned and boned loin of pork
- 2 x 70 g packs prosciutto
- Grated zest of 2 lemons
- Bay leaves
- Salt and freshly ground black pepper

For the sauce:

- 1 tablespoons plain flour
- 4 tablespoons lemon juice
- Chicken stock/water

Method

1. Preheat the oven to 220 °C (for a conventional oven), 200 °C (for a fan oven) or gas mark 7.
2. Spread one of the packs of prosciutto over a chopping board; place the pork on top with the outer (fat) part of the pork resting on the prosciutto.
3. Sprinkle the lemon zest onto the inside of the meat and season well. Lay the remaining prosciutto on top of the zest and roll up.
4. Secure the pork with string or silicone bands and thread bay leaves under the string, covering the whole piece of pork. Put the meat on to a trivet over a large roasting tin containing enough water to cover the base.
5. Place into the oven and cook for 30 minutes. Reduce the heat to 180 °C conventional oven/160 °C fan oven/gas 4 and continue roasting for a further 25 minutes per 500 g. Should the prosciutto start becoming too brown, cover with some foil.
6. When the pork is cooked, place onto a warm plate, cover with foil and allow to rest for at least 20 minutes.
7. Spoon off most of the fat from the roasting tin and stir the flour into the remaining. Gradually add the stock and lemon juice, adding more stock until the desired consistency is reached and simmer for 5 minutes. Check the seasoning, adding more pepper or lemon juice as necessary.
8. Remove the string or bands from the pork and carve into slices, serve with the sauce.

Contents

1. Before You Start... 1

Important! 1
Installation and Maintenance 1
Peculiar Smells 1
If You Smell Gas 1
Ventilation 1
Personal Safety 1
Cooker Care 2
Cleaning 2

2. Cooker Overview 3

Hotplate Burners 3
Wok Burner ***(Classic and Toledo Models only)*** 4
The Wok Cradle ***(Optional Extra)*** 5
The Griddle ***(Optional Extra)*** 5
The Grill 6
The Ovens 6
Operating the Ovens 6
The Clock 7
Accessories 9
Main Oven Light 9

3. Cooking Tips 10

Tips on Cooking with the Timer 10
General Oven Tips 10

4. Cooking Table 11

5. Cleaning Your Cooker 12

Essential Information 12
Hotplate Burners 12
Grill 13
Control Panel and Doors 13
Ovens 13
The Tall Oven 13
Cleaning Table 14

6. Troubleshooting 15

7. Installation 17

Dear Installer 17
Provision of Ventilation 17
Location of Cooker 17
Conversion 17
Positioning the Cooker 19
Moving the Cooker 19
Completing the Move 20
Fitting the Stability Bracket or Chain 20
Repositioning the Cooker Following Connection 20
Conversion to Another Gas 21
Levelling 21
Fitting the Handles and Handrail 21
Gas Connection 22
Electrical Connection 23
Final Checks 23
Fitting the Plinth 23
Fitting the Splashback ***(Classic only)*** 23
Customer Care 23

8. Conversion to LP Gas 24

Injectors 24
Tap Adjustment 24
Stick on Label 25
Pressure Testing 25

9. Circuit Diagram 26

10. Technical Data 27

1. Before You Start...

This User Guide covers a number of different models. Although some of the illustrations will look different to your particular model the functions will be the same. We hope the meaning is clear.

Your cooker should give you many years of trouble-free cooking if installed and operated correctly. It is important that you read this section before you start, particularly if you have not used a dual fuel cooker before.

Important!

⚠ **This appliance is designed for domestic cooking only. Using it for any other purpose could invalidate any warranty or liability claim. In particular, the oven should NOT be used for heating the kitchen – besides invalidating claims this wastes fuel and may overheat the control knobs.**

⚠ **This appliance is for use in Great Britain and the Republic of Ireland. It is a Cat II_{2H3+} cooker and is set for G20 at 20 mbar. (A conversion kit for LPG is supplied with the cooker.)**

Installation and Maintenance

In the UK, the cooker must be installed by a Gas Safe registered engineer. The electrical installation should be in accordance with BS 7671. Otherwise, all installations must be in accordance with the relevant instructions in this booklet, with the relevant national and local regulations, and with the local gas and electricity supply companies' requirements.

Make sure that the gas supply is turned on and that the cooker is wired in and switched on (the cooker needs electricity).

Set the clock to make sure that the oven is functional – see the relevant section in this manual.

Only a qualified service engineer should service the cooker, and only approved spare parts should be used.

Always allow the cooker to cool and then switch it off at the mains before cleaning or carrying out any maintenance work, unless specified otherwise in this guide.

Peculiar Smells

When you first use your cooker it may give off an odour. This should stop after use.

Before using your cooker for the first time, make sure that all packing materials have been removed and then, to dispel manufacturing odours, turn all the ovens to 200 °C and run for at least an hour.

Before using the grill for the first time you should also turn on the grill and run for 30 minutes with the grill pan in position, pushed fully back, and the grill door open.

Make sure the room is well ventilated to the outside air (see *'Ventilation'* below). People with respiratory or allergy problems should vacate the area for this brief period.

If You Smell Gas

- DO NOT turn electric switches on or off
- DO NOT smoke
- DO NOT use naked flames
- DO turn off the gas at the meter or cylinder
- DO open doors and windows to get rid of the gas
- DO keep people away from the area affected
- Call your gas supplier

If you are using natural gas in the UK, ring the National Grid on: 0800 111 999.

Ventilation

⚠ **CAUTION: The use of a gas cooking appliance results in the production of heat and moisture in the room in which it is installed. Therefore, make sure that the kitchen is well ventilated: keep natural ventilation holes open or install a powered cooker hood that vents outside. If you have several burners on, or use the cooker for a long time, open a window or turn on an extractor fan.**

Personal Safety

⚠ **DO NOT modify this appliance.**

⚠ **This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.**

⚠ **WARNING: The appliance and its accessible parts become hot during use and will retain heat even after you have stopped cooking. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.**

⚠ **This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to make sure that they can use the appliance safely.**

⚠ **CAUTION: A long term cooking process has to be supervised from time to time. A short term cooking process has to be supervised continuously.**

⚠ **Danger of fire: DO NOT store items on the cooking surfaces.**

⚠ **To avoid overheating, DO NOT install the cooker behind a decorative door.**

Accessible parts will become hot during use and will retain heat even after you have stopped cooking. Keep babies and children away from the cooker and never wear loose-fitting or hanging clothes when using the appliance.

DO NOT use a steam cleaner on your cooker.

Always be certain that the controls are in the OFF position when the oven is not in use, and before attempting to clean the cooker.

When the oven is on, DO NOT leave the oven door open for longer than necessary, otherwise the control knobs may become very hot.

When using the grill, make sure that the grill pan is in position and pushed fully in, otherwise the control knobs may become very hot.

DO NOT use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass or glass lid since they can scratch the surface, which may result in shattering of the glass.

Always keep combustible materials, e.g. curtains, and flammable liquids a safe distance away from your cooker.

DO NOT spray aerosols in the vicinity of the cooker while it is on.

Use dry oven gloves when applicable – using damp gloves might result in steam burns when you touch a hot surface. Do not use a towel or other bulky cloth in place of a glove – it might catch fire if brought into contact with a hot surface.

NEVER operate the cooker with wet hands.

DO NOT use aluminium foil to cover shelves, linings or the oven roof.

DO NOT use hotplate protectors, foil or hotplate covers of any description. These may affect the safe use of your hotplate burners and are potentially hazardous to health.

NEVER heat unopened food containers. Pressure build up may make the containers burst and cause injury.

DO NOT use unstable saucepans. Always make sure that you position the handles away from the edge of the hotplate.

DO NOT use cooking vessels on the hotplate that overlap the edges.

Never leave the hotplate unattended at high heat settings. Pans boiling over can cause smoking, and greasy spills may catch on fire. Use a deep fat thermometer whenever possible to prevent fat overheating beyond the smoking point.

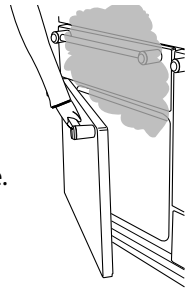
WARNING!
Unattended cooking on a hob with fat or oil can be dangerous and may result in fire.

NEVER leave a chip pan unattended. Always heat fat slowly, and watch as it heats. Deep fry pans should be only one third full of fat. Filling the pan too full of fat can cause spill over when food is added. If you use a combination of oils or fats in frying, stir them together before heating, or as the fats melt.

Foods for frying should be as dry as possible. Frost on frozen foods or moisture on fresh foods can cause hot fat to bubble up and over the sides of the pan. Carefully watch for spills or overheating of foods when frying at high or medium high temperatures. Never try to move a pan of hot fat, especially a deep fat fryer. Wait until the fat is cool.

Do not use the top of the flue (the slots along the back of the cooker) for warming plates, dishes, drying tea towels or softening butter.

DO NOT use water on grease fires and never pick up a flaming pan. Turn the controls off and then smother a flaming pan on a surface unit by covering the pan completely with a well fitting lid or baking tray. If available, use a multi-purpose dry chemical or foam-type fire extinguisher.



Cooking high moisture content foods can create a 'steam burst' when the oven door is opened. When opening the oven stand well back and allow any steam to disperse.

Take care that no water seeps into the appliance.

This appliance is heavy so take care when moving it.

Cooker Care

As steam can condense to water droplets on the cool outer trim of the oven, it may be necessary during cooking to wipe away any moisture with a soft cloth. This will also help to prevent soiling and discolouration of the oven exterior by cooking vapours.

Cleaning

In the interests of hygiene and safety, the cooker should be kept clean at all times as a build up in fats and other food stuff could result in a fire.

Clean only the parts listed in this guide.

Clean with caution. If a wet sponge or cloth is used to wipe spills on a hot surface, be careful to avoid steam burns. Some cleaners can produce noxious fumes if applied to a hot surface.

2. Cooker Overview

Fig.2-1



The 90 dual fuel cooker **(Fig.2-1)** has the following features:

A. 5 hotplate burners including:
– A wok burner *(Classic & Toledo models) or*
– A high burner *(Rangemaster model)*

B. A control panel

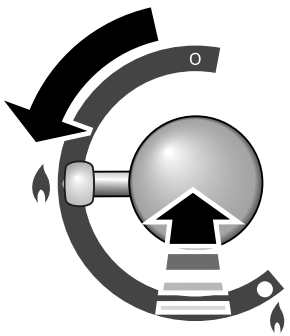
C. A grill

D. Main fan oven

E. Tall fan oven

F. Splashback (*Classic only)*

Fig.2-2



Hotplate Burners

The drawing by each of the central knobs indicates which burner that knob controls.

Each burner has a Flame Supervision Device (FSD) that prevents the flow of gas if the flame goes out.

When the igniter button is pressed in, sparks will be made at every burner – this is normal. Do not attempt to disassemble or clean around any burner while another burner is on, otherwise an electric shock could result.

To light a burner, press the igniter button, and push in and turn the associated control knob to the high position as indicated by the large flame symbol (), **(Fig.2-2)**.

Fig.2-3

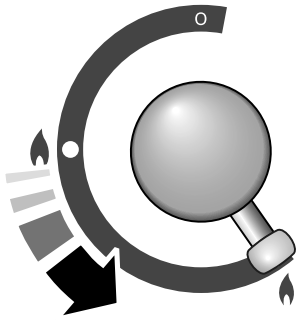


Fig.2-4

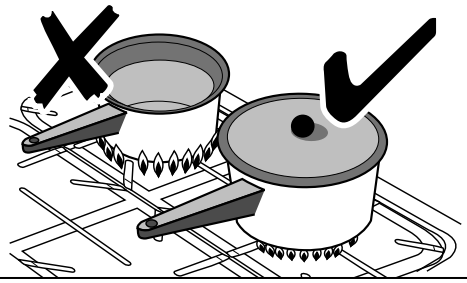


Fig.2-5

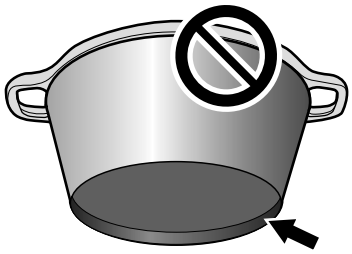


Fig.2-6

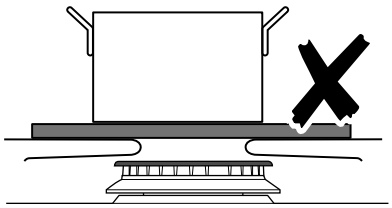


Fig.2-7

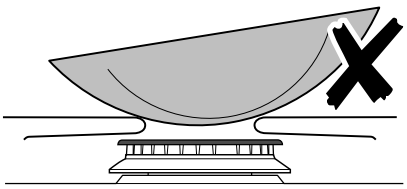
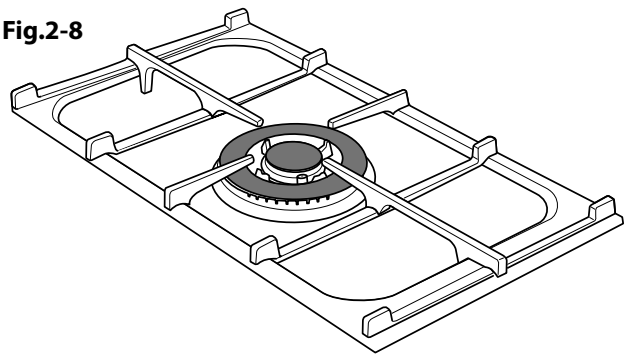


Fig.2-8



The igniter should spark and light the gas. Keep holding the knob pressed in to let the gas through to the burner for about ten seconds.

If, when you let go of the control knob, the burner goes out, then the FSD has not been bypassed. Turn the control knob to the OFF position and wait for one minute before you try again, this time making sure to hold in the control knob for slightly longer.

Adjust the flame height to suit by turning the knob counter-clockwise **(Fig.2-3)**.

If a burner flame goes out, turn off the control knob and leave it for one minute before relighting it.

Make sure that the flames are under the pans. Using a lid will help the contents boil more quickly **(Fig.2-4)**.

Large pans should be spaced well apart.

Pans and kettles with concave bases or down-turned base rims should not be used **(Fig.2-5)**.

Simmering aids, such as asbestos or mesh mats, are NOT recommended **(Fig.2-6)**. They will reduce burner performance and could damage the pan supports.

You should also avoid using unstable and misshapen pans that may tilt easily, and pans with a very small base diameter, e.g. milk pans, single egg poachers **(Fig.2-7)**.

The minimum recommended pan diameter is 120 mm. The maximum allowable pan base diameter is 260 mm.

DO NOT use cooking vessels on the hotplate that overlap the edges.

Wok Burner *(Classic and Toledo Models only)*

The wok burner is designed to provide even heat over a large area. It is ideal for large pans and stir frying **(Fig.2-8)**.

For heating smaller pans, the aforementioned hotplate burners may be more efficient.

You should wipe the enamel top surface of the cooker around the hotplate burners as soon as possible after spills occur. Try to wipe them off while the enamel is still warm.

Note: The use of aluminium pans may cause metallic marking of the pan supports. This does not affect the durability of the enamel and may be cleaned off with an appropriate metal cleaner.

The Wok Cradle *(Optional Extra)*

The wok cradle is designed to fit a 35 cm wok. If you use a different wok, make sure that it fits the cradle. Woks vary very widely in size and shape. It is important that the wok sits down on the pan support – however, if the wok is too small, the cradle will not support it properly **(Fig.2-9)**.

The cradle should be used on the triple ring wok burner only. When you fit the cradle, make sure that it is supported properly on a pan support and the wok is sitting level in the cradle **(Fig.2-10)**.

The cradle will get very hot in use – allow plenty of time for it to cool before you pick it up.

The Griddle *(Optional Extra)*

The griddle fits a single pan support, front to back **(Fig.2-11)**. It is designed for cooking food on directly. DO NOT use pans of any kind on it. The griddle surface is non-stick and metal cooking utensils (e.g. spatulas) will damage the surface. Use heat resistant plastic or wooden utensils.

⚠ **DO NOT put it crossways – it will not fit properly and will be unstable (Fig.2-12).**

⚠ **DO NOT put it on any other burner – it is not designed to fit in any of the other pan supports.**

Position the griddle over the hotplate burners resting on the pan support. Check that it is securely located.

The griddle can be lightly brushed with cooking oil before use **(Fig.2-13)**. Light the hotplate burners. Adjust the flame heights to suit.

Preheat the griddle for **a maximum of 5 minutes** before adding food. Leaving it longer may cause damage. Turn the control knobs towards the low position, marked with the small flame symbol, to reduce the burner flames.

⚠ **Always leave space around the griddle for the gases to escape.**

⚠ **NEVER fit two griddles side by side (Fig.2-14).**

After cooking, allow the griddle to cool before cleaning.

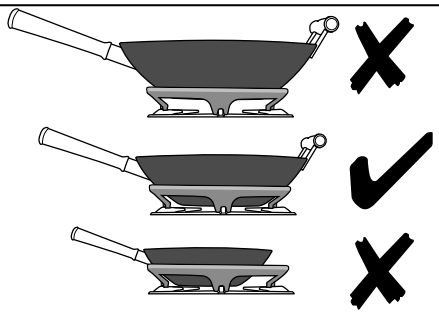


Fig.2-9

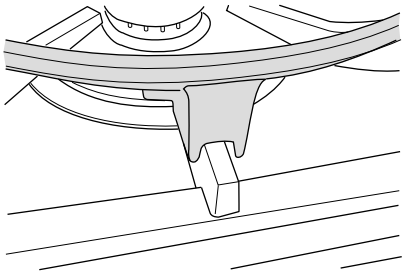


Fig.2-10

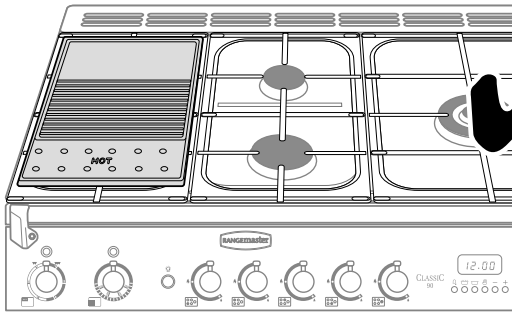


Fig.2-11

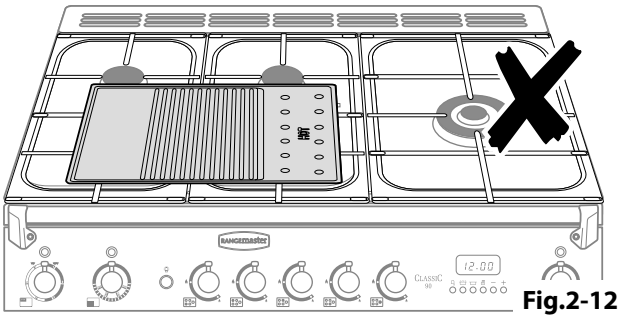


Fig.2-12

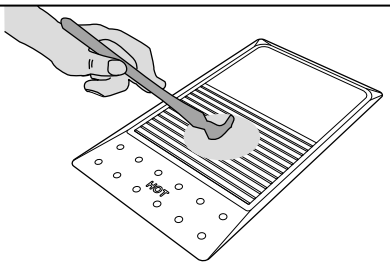


Fig.2-13

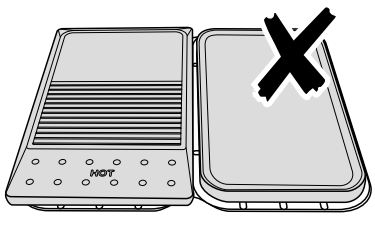


Fig.2-14

Fig.2-15

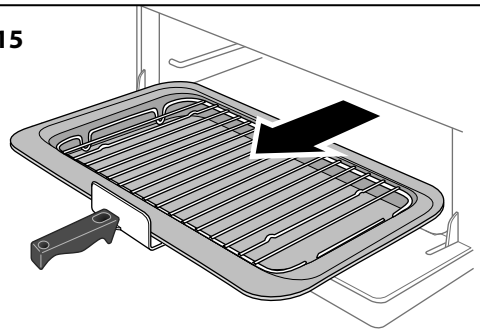


Fig.2-16

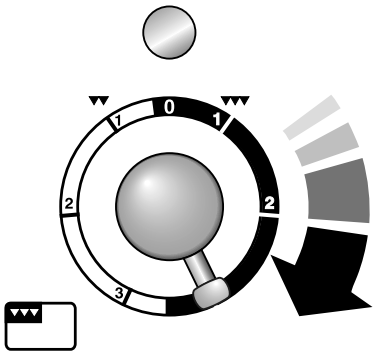


Fig.2-17

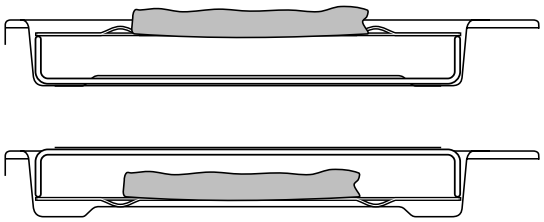


Fig.2-18

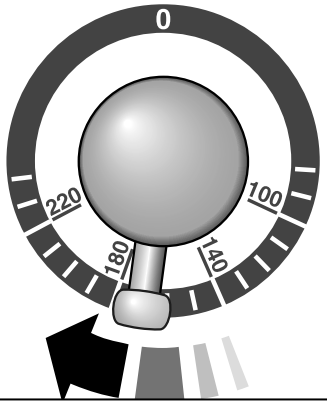
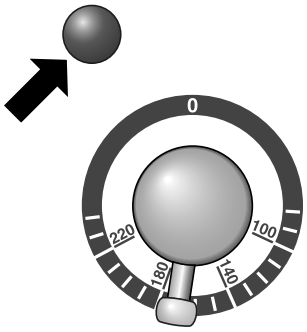


Fig.2-19



The Grill

⚠ **CAUTION: This appliance is for cooking purposes only. It must not be used for other purposes, for example room heating.**

⚠ **CAUTION: Accessible parts may be hot when the grill is in use. Young children should be kept away.**

Open the door and pull the grill pan forward using the handle **(Fig.2-15)**.

The grill has two elements that allow either the whole area of the pan to be heated or just the right-hand half.

Adjust the heat to suit by turning the control knob. To heat the whole grill, turn the control knob clockwise **(Fig.2-16)**.

To heat the right-hand half, turn the knob counter-clockwise. The neon indicator light by the grill control will come on.

For best results, slide the grill pan back into the grill chamber and preheat the appropriate part(s) of the grill for two minutes. The grill trivet can be removed and the food placed on it while you are waiting for the grill to preheat.

⚠ **DO NOT leave the grill on for more than a few moments without the grill pan underneath it, otherwise the knobs may become hot.**

Once the grill has preheated, slide the grill pan out again. With the trivet back in place with the food on it, slide the pan back into the grill chamber. Make sure that it is pushed right in.

The grill pan trivet can be turned over to give two grilling positions **(Fig.2-17)**.

Do not leave the grill on for more than a few moments, without the grill pan underneath it.

⚠ **Never close the grill door when the grill is on.**

The Ovens

The clock must be set to the time of day before the ovens will work. See the following section on '*The Clock*' for instructions on setting the time of day.

References to 'left-hand' and 'right-hand' ovens apply as viewed from the front of the appliance.

Both ovens are fan ovens.

Fan ovens circulate hot air continuously, which means faster, more even cooking.

The recommended cooking temperatures for fan ovens are generally lower than for non-fan ovens.

Note: Please remember that all cookers vary so temperatures in your new ovens may differ to those in your previous cooker.

Operating the Ovens

Turn the oven knob to the desired temperature **(Fig.2-18)**.

The oven indicator light will glow until the oven has reached the temperature selected **(Fig.2-19)**. It will then cycle on and off during cooking.

The Clock

You can use the timer **(Fig.2-20)** to turn the ovens on and off. The clock must be set to the time of day before the ovens will work.

Setting the Time of Day

When the clock is first connected the display flashes (*0.00*) and ( ) alternately.

Press and hold both the [🔔] and [≋] buttons down **(Fig.2-21)**. Now press the [+] button *(or the [–] button)* until the correct time shows.

Do not forget that it is a 24-hour clock.

If you need to reset the cooker, turn off the power supply and wait for a couple of minutes and start again.

Minute Minder

Press and hold the [🔔] button **(Fig.2-22)**, and then press the [+] button until the length of time you want to cook for is shown **(Fig.2-23)**.

You can check the time remaining by pressing [🔔]. When the beeper sounds cancel it by pressing [🔔].

- The *'cook period'*, which is the length of time you want the oven to cook for.
- The *'stop time'*, which is the time of day you want the oven to stop cooking.

To Stop the Ovens Automatically

Press and hold the '*stop time*' [▭] button **(Fig.2-24)** and then press the [+] button *(or [–] button)* until the required *'stop time'* shows **(Fig.2-25)**. AUTO will show in the display.

Once the *'stop time'* is reached, the beeper sounds. To stop the beep turn the oven control knob to 0 first and then press [✋] once; press [✋] again to return to manual cooking.

To Start and Stop the Ovens Automatically

Before you set the clock you must have two numbers clearly in mind – the *'cook period'* and the *'stop time'*.

Note: You cannot set a start time directly – this is set automatically by setting the *'cook period'* and the *'stop time'*.

Press and hold the [≋] button **(Fig.2-26)** and then press the [+] button *(or [–] button)* until the required *'cook period'* shows **(Fig.2-27)**.

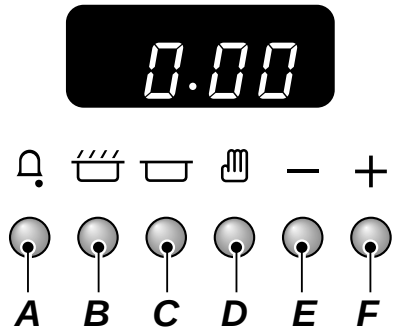
Now press and hold the [▭] button **(Fig.2-28)** and then press the [+] button *(or [–] button)* until the required *'stop time'* shows **(Fig.2-29)**. Release the buttons.

AUTO will now show in the display.

Set the oven to the required temperature. When cooking is finished the beeper will sound. Turn the oven knob to the OFF position first, and then press the [✋] button once to stop the beep; press it again to return to manual cooking.

If you are out, do not worry about the beeper going off, it stops after a while. When you return, turn the oven knob to 0 first, and then press [✋] twice to return to manual cooking.

Fig.2-20



A – Minute minder, B – 'Cook' time, C – 'Stop' time, D – Manual, E & F – Time setting buttons

Fig.2-21

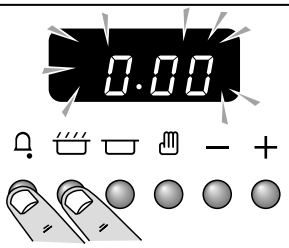


Fig.2-22

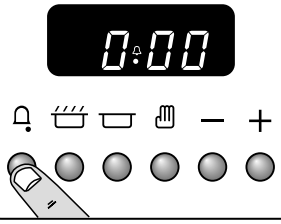


Fig.2-23

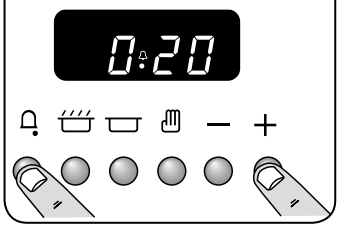


Fig.2-24

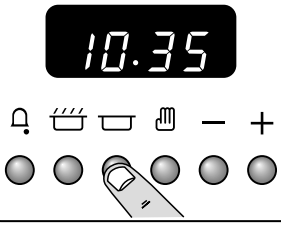


Fig.2-25

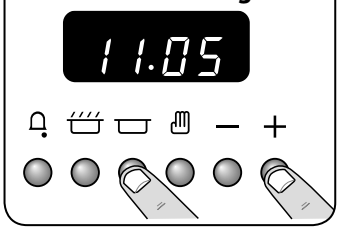


Fig.2-26

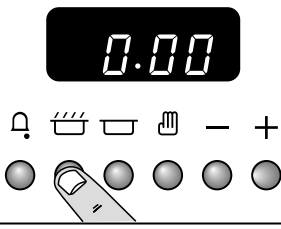


Fig.2-27

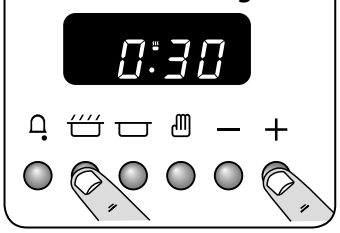
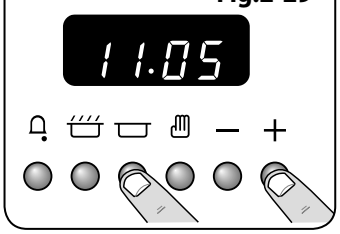
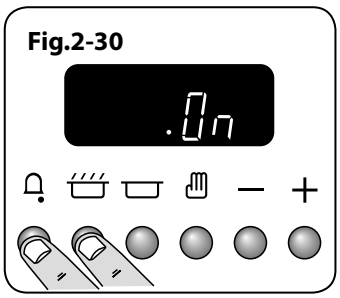


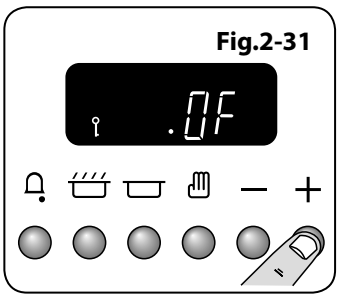
Fig.2-28

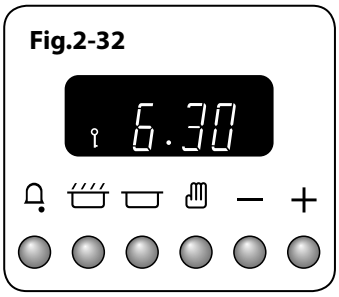


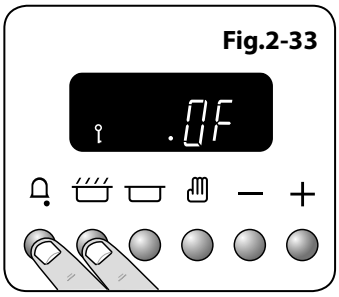
Fig.2-29

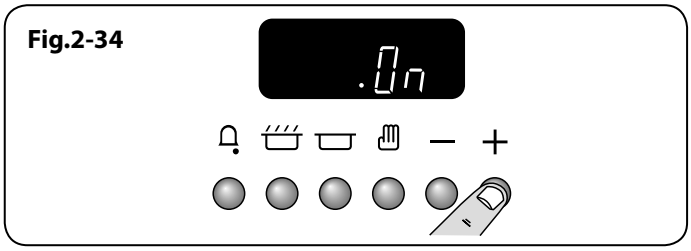












AUTO is Showing, But you Want to Reset to Manual Cooking

To return to manual cooking from any automatic setting, the *'cook period'* must be cancelled. Press and hold the [▭] button and then press the [–] button until the display reads (*0.00*).

Press the [✋] button to return to manual cooking.

Key Lock

When the key lock is activated, the ovens are locked and will not come on.

To Activate the Key Lock

Make sure that the clock is in manual mode and cancel any active programs.

Hold the Minute Minder [🔔] and Cook period [▭] buttons. When 'On' appears on the display **(Fig.2-30)** press the [+] button once. The key symbol [🔑] and 'OF' will now show on the display **(Fig.2-31)**. Release the buttons.

The ovens are now locked, as confirmed by the display showing the time of day alongside the key symbol **(Fig.2-32)**.

To Turn Off the Key Lock

Hold the Minute Minder [🔔] and Cook period [▭] buttons. When 'OF' appears on the display **(Fig.2-33)** press the [+] button once. The key symbol [🔑] will go out and 'On' will show on the display **(Fig.2-34)**. Release the buttons.

After a few seconds, the display reverts to showing the time of day.

The ovens can now be used normally.

Accessories

Oven Shelves – Left-hand (Main) Oven

The oven shelves **(Fig.2-35)** can be easily removed and refitted.

Pull the shelf forward until the back of the shelf is stopped by the shelf stop bumps in the oven sides **(Fig.2-36)**.

Lift up the front of the shelf so the back of the shelf will pass under the shelf stop and then pull the shelf forward **(Fig.2-37)**.

To refit the shelf, line up the shelf with a groove in the oven side and push the shelf back until the ends hit the shelf stop. Lift up the front so the shelf ends clear the shelf stops, and then lower the front so that the shelf is level and push it fully back **(Fig.2-38)**.

Oven Shelves – Right-hand (Tall) Oven

The tall oven is supplied with four flat cooking shelves **(Fig.2-39)**, and a plate-warming shelf **(Fig.2-40)**.

When using the tall oven, you can cook on all four shelves at the same time, but make sure that they are well spaced out to allow the hot air to circulate.

The Handyrack (Main Oven)

The Handyrack **(Fig.2-41)** fits to the left-hand oven door only. Food cooking on it is easy to attend to, because it is accessible when the door is open.

The maximum weight that can be held by the Handyrack is 5.5 kg (12 lb). It should only be used with the supplied roasting tin, which is designed to fit the Handyrack. Any other vessel could be unstable.

It can be fitted at two different heights. One of the oven shelves must be removed and the other positioned to suit.

When the Handyrack is used in its highest position, other dishes can be cooked on the bottom shelf position or base of the oven.

When the Handyrack is used in its lowest position, other dishes can be cooked on the second shelf position or base of the oven.

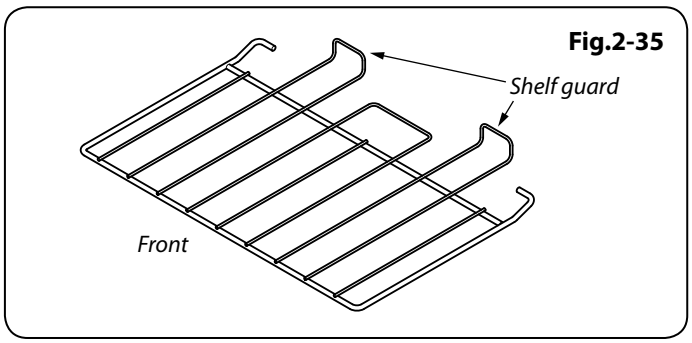
To fit the Handyrack, locate one side of it on the door bracket **(Fig.2-42)**.

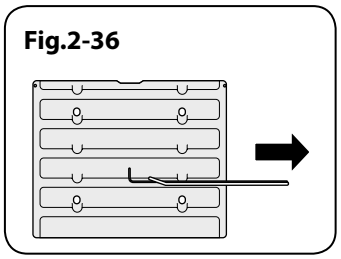
Then spring the other side out to clip it onto the other bracket **(Fig.2-43)**.

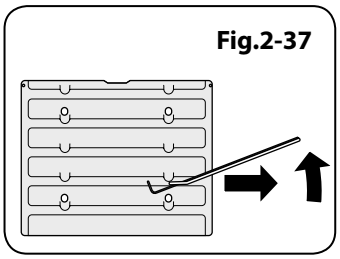
Main Oven Light

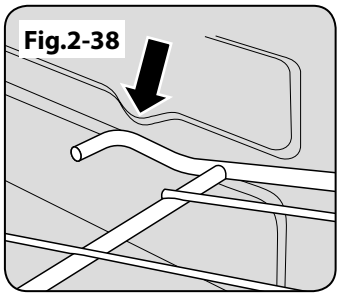
Press the button to turn the light on **(Fig.2-44)**.

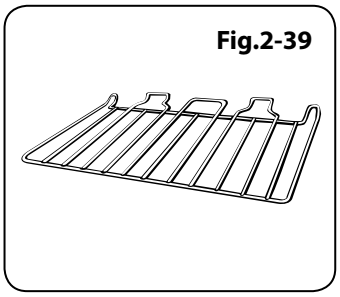
If the oven light fails, turn off the power supply before changing the bulb. See the *'Troubleshooting'* section for details on how to change the bulb.

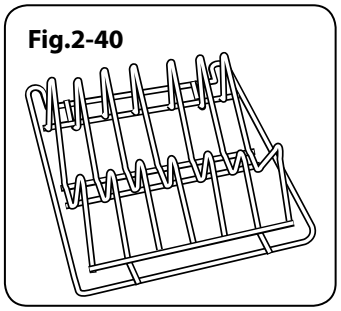


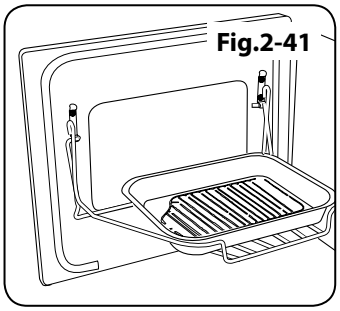


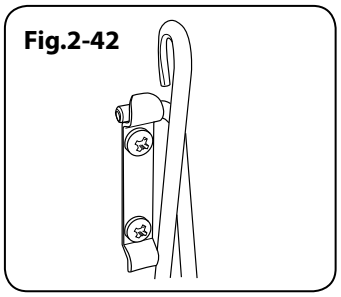


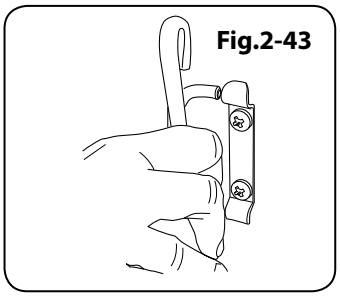


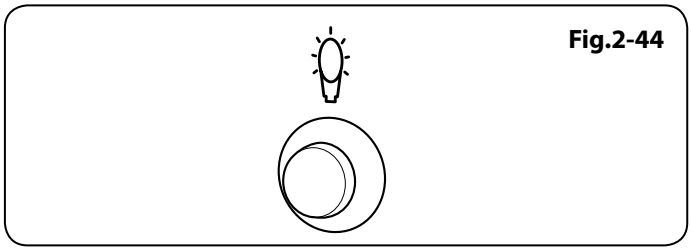












3. Cooking Tips

Tips on Cooking with the Timer

If you want to cook more than one dish, choose dishes that require approximately the same cooking time. However, dishes can be 'slowed down' slightly by using small containers and covering them with aluminium foil, or 'speeded up' slightly by cooking smaller quantities or placing them in larger containers.

Very perishable foods such as pork or fish should be avoided if a long delay period is planned, especially in hot weather.

⚠ **DO NOT place warm food in the oven to be timed.**

⚠ **DO NOT use a timed oven that is already warm.**

⚠ **DO NOT use the timed oven if the adjoining oven is already warm.**

Whole poultry must be thoroughly defrosted before being placed in the oven. Check that meat and poultry are fully cooked before serving.

General Oven Tips

The wire shelves should always be pushed firmly to the back of the oven.

Baking trays with food cooking on them should be placed level with the front edge of the oven's wire shelves. Other containers should be placed centrally. Keep all trays and containers away from the back of the oven, as overbrowning of the food may occur.

For even browning, the maximum recommended size of a baking tray is 340 mm (13½") by 340 mm (13½") in the main oven and 232 mm (9 1/8") and 321 mm (12 5/8") in the tall oven.

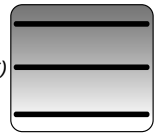
When the oven is on, do not leave the door open for longer than necessary, otherwise the knobs may get very hot.

- Always leave a "finger's width" between dishes on the same shelf. This allows the heat to circulate freely around them.
- To reduce fat splashing when you add vegetables to hot fat around a roast, dry them thoroughly or brush lightly with cooking oil.
- Where dishes may boil and spill over during cooking, place them on a baking tray.
- The 'Cook & Clean' oven liners (see *'Cleaning Your Cooker'*) work better when fat splashes are avoided. Cover meat when cooking with foil or use a roasting bag.
- Sufficient heat rises out of the oven while cooking to warm plates in the grill compartment.
- If you want to brown the base of a pastry dish, preheat the baking tray for 15 minutes before placing the dish in the centre of the tray.

4. Cooking Table

*The oven control settings and cooking times given in the table below are intended to be used **AS A GUIDE ONLY**. Individual tastes may require the temperature to be altered to provide a preferred result.*

Food is cooked at lower temperature in a fan oven than in a conventional oven. When using recipes, reduce the fan oven temperature by 10 °C and the cooking time by 5-10 minutes. The temperature in the fan oven does not vary with height in the oven so you can use any shelf.



Oven Shelf Positions

T - Top; C - Centre; B - Base

Food	Conventional Oven Temperature °C (Shelf Position)	Fan Oven Temperature °C	Approximate Cooking Time
Meat			
Beef (no bone)	160 (C)	150	30-35 minutes per 500g +30-35 minutes.
	200 (C)	190	20-25 minutes per 500g +20-25 minutes.
Lamb	160 (C)	150	30-35 minutes per 500g +30-35 minutes.
	200 (C)	190	25-30 minutes per 500g +25-30 minutes.
Pork	160 (C)	150	35-40 minutes per 500g +35-40 minutes.
	200 (C)	190	25-30 minutes per 500g +25-30 minutes.
Poultry			
Chicken	160 (C)	150	20-25 minutes per 500g +20-25 minutes.
	200 (C)	190	15-20 minutes per 500g +15-20 minutes.
Turkey	160 (C)	150	20 minutes per 500g +20 minutes.
	200 (C)	190	15 minutes per 500g +15 minutes.
Duck	160 (C)	150	25-30 minutes per 500g.
	200 (C)	190	20 minutes per 500g.
Casserole	140-150 (C)	130-140	2-4 hours according to recipe.
Yorkshire Pudding	220 (C)	210	Large tins 30-35 minutes; individual 10-20 minutes.
Cake			
Very rich fruit - Christmas, wedding, etc.	140 (C/B)	130	45-50 minutes per 500g of mixture.
Fruit 180 mm tin	150 (C/B)	140	2-2½ hours.
Fruit 230 mm tin	150 (C/B)	140	Up to 3½ hours.
Madeira 180 mm	160 (C/B)	150	80-90 minutes.
Queen cakes	190 (C/B)	180	15-25 minutes.
Scones	220 (C/B)	210	10-15 minutes.
Victoria sandwich			
180 mm tin	180 (C/B)	170	20-30 minutes.
210 mm tin	180 (C/B)	170	30-40 minutes.
Desserts			
Shortcrust tarts	200 (C/B)	190	20-30 minutes on a preheated tray.
Fruit pies	200 (C/B)	190	35-45 minutes.
Tartlets	200 (C/B)	190	10-20 minutes according to size.
Puff pastry	210 (C/B)	200	20-40 minutes according to size.
Meringues	100 (C/B)	90	2-3 hours.
Baked egg custard	160 (C/B)	150	45-60 minutes.
Baked sponge pudding	180 (C/B)	170	40-45 minutes.
Milk pudding	140-150 (C/B)	130-140	2 to 3 hours.
Bread	210 (C)	200	20-30 minutes.
Fish	Fanned Grilling		
Fillet	190 (C/B)	190 (C/B)	15-20 minutes.
Whole	190 (C/B)	190 (C/B)	15-20 minutes per 500g.
Steak	190 (C/B)	190 (C/B)	Steaks according to thickness.

Thoroughly thaw frozen joints before cooking. Meat may be roasted at 220°C (210°C for fan oven) and the cooking time adjusted accordingly. For stuffed and rolled meats, add approximately 10 minutes per 500g, or cook at 200°C (190°C) for 20 minutes then 160°C (150°C) for the remainder.

For stuffed poultry, you could cook at 200°C (190°C) for 20 minutes then 160°C (150°C) for remainder. Do not forget to include the weight of the stuffing.
For fresh or frozen prepacked poultry, follow instructions on the pack. Thoroughly thaw frozen poultry before cooking.

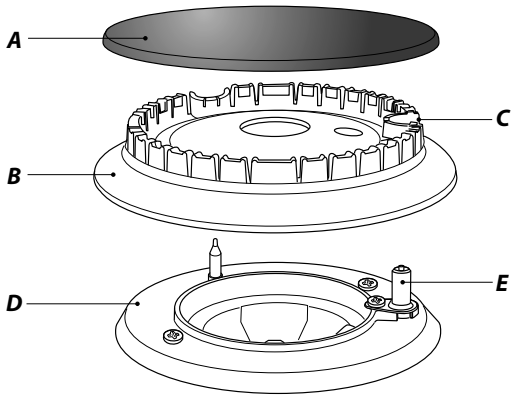
Using the conventional oven: when two tier cooking leave at least one runner space between shelves. Position the baking tray with the front edge along the front of the oven shelf.

Up to three tiers can be cooked in a fan oven at the same time but make sure to leave at least one runner space between each shelf being cooked on.

Using the conventional oven: for even browning the maximum size of baking tray recommended is 340 mm x 340 mm. This ensures free heat circulation.
If cooking a two tier load, the trays should be interchanged approximately halfway though the cooking time.

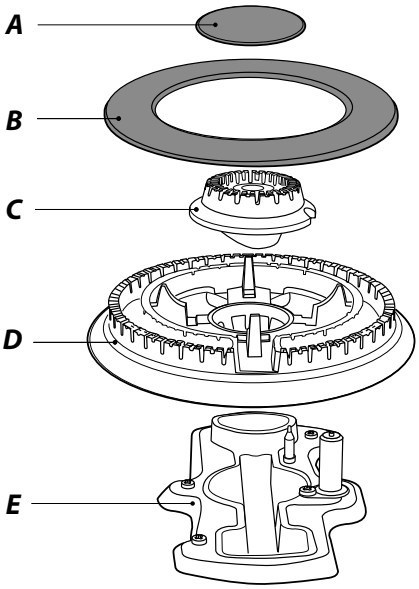
5. Cleaning Your Cooker

Fig.5-1



A – Cap, B – Head, C – Notch, D – Base, E – Electrode

Fig.5-2



A – Inner burner cap, B – Outer burner cap, C – Inner burner head, D – Outer burner head, E – Wok burner base

Fig.5-3

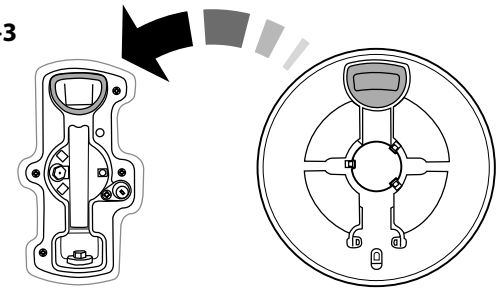
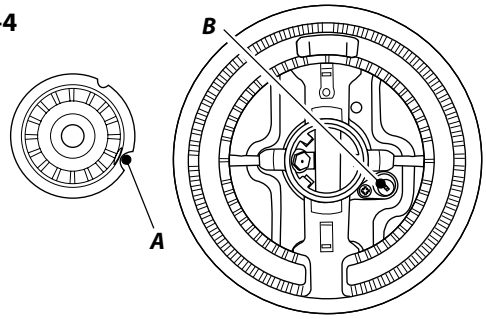


Fig.5-4



A – Electrode notch, B – Ignition electrode

Essential Information

Isolate the electricity supply before carrying out any thorough cleaning. Allow the cooker to cool.

⚠ **NEVER use paint solvents, washing soda, caustic cleaners, biological powders, bleach, chlorine based bleach cleaners, coarse abrasives or salt.**

⚠ **DO NOT mix different cleaning products – they may react together with hazardous results.**

All parts of the cooker can be cleaned with hot soapy water – **but take care that no surplus water seeps into the appliance.**

Remember to switch on the electricity supply and reset the clock before re-using the cooker.

Hotplate Burners

The burner heads and caps can be removed for cleaning. Make sure they are absolutely dry before replacing them.

The Single Ring Burners

When refitting the burner head, make sure that the notch lines up with the electrode or hole in the base. Check that the burner head is level and that the cap is fitted centrally on the burner head **(Fig.5-1)**.

The Wok Burner *(Classic and Toledo Models only)*

The wok burner can also be taken apart for cleaning.

When reassembling the wok burner **(Fig.5-2)**, turn over the large base ring and find the 'D' shaped area **(Fig.5-3)**. Turn the head until the 'D' matches the one on the burner base. Flip the burner over once again and place it on the burner base.

To fit the small inner burner, find the larger electrode notch in the burner rim. Line this up with the white ignition electrode and place the inner burner on the large base ring **(Fig.5-4)**.

Now fit the two burner caps, making sure that they are seated properly.

Check the burner ports are not blocked. If a blockage occurs, remove stubborn particles using a piece of fuse wire.

The Wok Cradle *(Classic and Toledo Models only)*

Recommended cleaning materials are hot soapy water, a moistened soap pad, cream cleaner or a nylon scourer.

The Griddle *(Optional extra)*

Always clean the griddle after use. Allow it to cool completely before removing. Immerse the griddle plate in hot soapy water. Use a soft cloth or, for stubborn stains, a nylon washing up brush.

Note: If the griddle is washed in a dishwasher then some dishwasher residue may appear on the back. This is normal and will not affect the performance of your griddle.

Grill

⚠ **Before you remove any of the grill parts for cleaning. make sure that they are cool, or use oven gloves.**

The grill pan can be easily removed for cleaning **(Fig.5-5)**.

The grill pan and trivet should be washed in hot soapy water.

After grilling meats or any foods that soil, leave to soak for a few minutes in the sink immediately after use. Stubborn particles may be removed from the trivet by using a nylon brush.

Alternatively, the grill pan can be washed in a dishwasher.

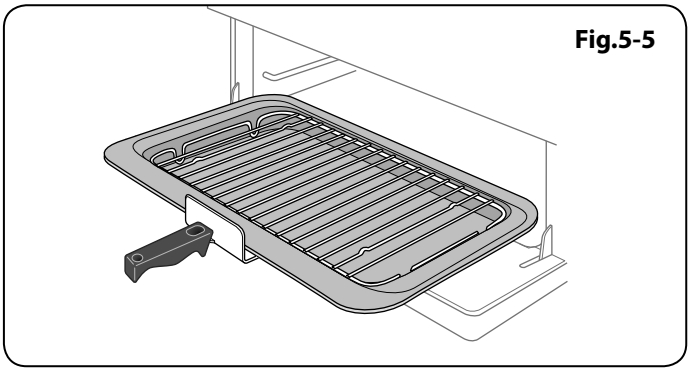


Fig.5-5

Control Panel and Doors

Avoid using any abrasive cleaners including cream cleaners. For best results, use a liquid detergent.

The control panel, knobs and doors should only be cleaned with a soft cloth wrung out in clean hot soapy water – but take care that no surplus water seeps into the appliance.

After cleaning, polish with a dry cloth.

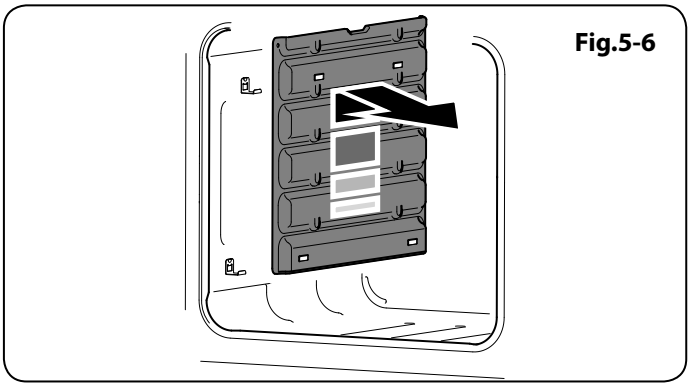


Fig.5-6

Ovens

'Cook & Clean' Panels

The main oven has panels which have been coated with a special enamel that partly cleans itself. This does not stop all marks on the lining, but helps to reduce the amount of manual cleaning needed.

The 'Cook & Clean' panels work better above 200 °C. If you do most of your cooking below this temperature, occasionally remove the panels and wipe with a lint free cloth and hot soapy water. The panels should then be dried and replaced and the oven heated at 200 °C for about one hour. This will make sure the 'Cook & Clean' panels are working effectively.

Do not use steel wool, oven cleaning pads, or any other materials that will scratch the surface.

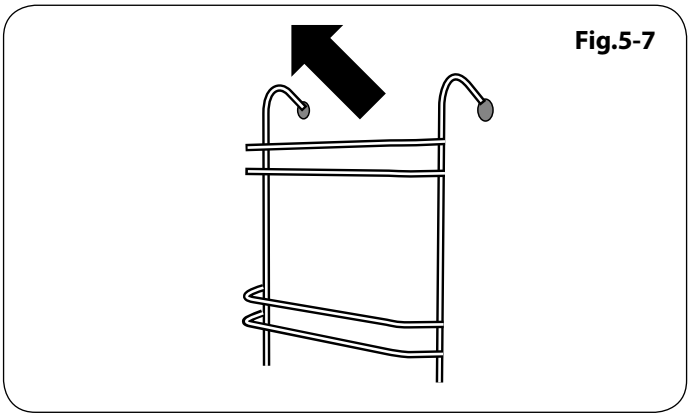


Fig.5-7

Removing the Main Oven Linings

Some of the lining panels can be removed for cleaning.

If you wish to clean the enamel interior of the oven, you will need to remove the shelves before removing the 'Cook & Clean' panels. You do not have to remove the support brackets to remove the panels. Lift each panel upward and slide forward off the support brackets **(Fig.5-6)**.

Once the panels have been removed, the oven enamel interior can be cleaned.

Refit in the reverse order.

The Tall Oven

To clean the oven sides, slide out the shelves, unhook the supports from the oven sides, and lift out **(Fig.5-7)**.

Cleaning Table

Cleaners listed **(Table 5-1)** are available from supermarkets or electrical retailers as stated.

For enamelled surfaces use a cleaner that is approved for use on vitreous enamel.

Regular cleaning is recommended. For easier cleaning, wipe up any spillages immediately.

Hotplate		
Part	***Finish***	***Recommended Cleaning Method***
Hob top	Enamel or stainless steel	Hot soapy water, soft cloth. Any stubborn stains remove gently with a nylon scourer.
Ceramic/Induction hob	Toughened glass	Hot soapy water; cream cleaner/scourer if necessary.
Griddle plate (some models only)	Non-stick surface	Allow to cool. Wash in hot soapy water. Do not use abrasive cleaners/scourers. Dishwasher.
Warming zone (some models only)	Toughened glass	Hot soapy water, cream cleaner/scourer if necessary.
Outside of Cooker		
Part	***Finish***	***Recommended Cleaning Method***
Door, door surround and storage drawer exterior	Enamel or paint	Hot soapy water, soft cloth. Any stubborn stains, remove gently with a liquid detergent.
	Stainless steel	E-cloth *(electrical retailers)* or microfibre all-purpose cloth *(supermarket)*.
Sides and plinth	Painted surface	Hot soapy water, soft cloth.
Splashback/rear grille	Enamel or stainless steel	Hot soapy water, soft cloth. Cream cleaner, with care, if necessary.
Control panel	Paint, enamel or stainless steel	Warm soapy water. Do not use abrasive cleaners on lettering.
Control knobs/handles & trims	Plastic/chrome, copper or lacquered brass	Warm soapy water, soft cloth.
	Brass	Brass polish.
Oven door glass	Toughened glass	Hot soapy water, cream cleaner/scourer if necessary.
Oven and Grill		
Part	***Finish***	***Recommended Cleaning Method***
Sides, floor & roof of oven **NOT** COOK & CLEAN OVEN PANELS (see below)	Enamel	Any proprietary oven cleaner that is suitable for enamel. CAUTION: CORROSIVE/CAUSTIC OVEN CLEANERS: FOLLOW MANUFACTURER'S INSTRUCTIONS. Do not allow contact with the oven elements.
Cook & Clean oven panels (some models only)	Special enamel that partly cleans itself	This surface cleans itself at 200 °C and above, or the panels can be removed and washed with hot soapy water and a nylon brush (see *'The Ovens'* in *'Cleaning Your Cooker'*).
Oven shelves, Handyrack, grill trivet, Handygrill rack (some models only)	Chrome	An oven interior cleaner that is suitable for chrome. Soap filled pad. Dishwasher.
Grill pan/meat tin (some models only)	Enamel	Hot soapy water. Soap filled pad. Dishwasher.

Table 5-1

6. Troubleshooting

Hotplate ignition or hotplate burners faulty

Is the power on? Is the clock illuminated?

If not, there maybe something wrong with the power supply.

Are the sparker (ignition electrode) or burner slots blocked by debris?

Are the burner trim and caps correctly located? See the section on *'Cleaning'.*

Hotplate burners will not light

Make sure that the burner parts have been replaced correctly after wiping or removing for cleaning.

Check that there is not a problem with your gas supply. You can do this by making sure that other gas appliances you may have are working.

Do the burners spark when you push the button?

If not, verify that the power is on by checking that the clock is illuminated.

Steam is coming from the oven

When cooking foods with high water content (e.g. oven fries) there may be some steam visible at the rear grille.

Take care when opening the oven door, as there may be a momentary puff of steam when the oven door is opened. Stand well back and allow any steam to disperse.

What cleaning materials are recommended for the cooker?

See the *'Cleaning'* section for recommended cleaning materials.

⚠ **Never use caustic or abrasive cleaners as these will damage the surface.**

An oven fan is noisy

The note of the oven fan may change as the oven heats up – this is perfectly normal.

The knobs get hot when I use the oven or the grill. Can I avoid this?

Yes, this is caused by heat rising from the oven or the grill, and heating them up. Do not leave the oven door open.

Make sure that the grill pan is pushed right back to the 'back stop' when grilling.

Always grill with the grill compartment door open.

If there is an installation problem and I don't get my original installer to come back to fix it who pays?

You do. Service organizations will charge for their call outs if they are correcting work carried out by your original installer. It is in your interest to track down your original installer.

Power failure

In the event of a failure in the electrical supply, remember to reset the clock to make sure that the timed oven continues to operate.

Food is cooking too slowly, too quickly, or burning

Cooking times may differ from your previous oven.

Check that you are using the recommended temperatures and shelf positions – see the oven cooking guide. The oven control settings and cooking times are intended to be used **only** as a guide.

Individual tastes may require the temperature to be altered either way, to get the results you want.

The oven is not cooking evenly

Do not use a baking tray with dimensions larger than those specified in the section on *'General Oven Tips'*.

If you are cooking a large item, be prepared to turn it round during cooking.

If two shelves are used, check that space has been left for the heat to circulate. When a baking tray is put into the oven, make sure that it is placed centrally on the shelf.

Check that the door seal is not damaged and that the door catch is adjusted so that the door is held firmly against the seal.

A dish of water when placed on the shelf should be the same depth all over. (For example, if it is deeper at the back, then the back of the cooker should be raised up or the front lowered.) If the cooker is not level arrange for your supplier to level it for you.

Oven not coming on

Is the power on? Is the clock illuminated? If not, there may be something wrong with the power supply.

Is the cooker supply on at the isolator switch?

Has the time of day been set?

Is the key symbol [⚿] showing in the display to signify that the oven is locked? See the *'Clock'* section of the instructions for more information on the key lock feature.

The timed oven is not coming on when automatic cooking

Has the oven knob been left in the OFF position by mistake?

Is the oven locked *(see above)*?

Oven temperature getting hotter as the cooker gets older

If turning the temperature down using the oven control knob has not worked, or has only worked for a short time, then you may need a new thermostat. This should be fitted by a service person.

Fig.6-1

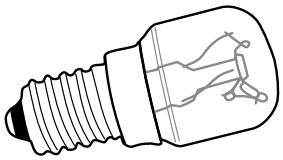


Fig.6-2

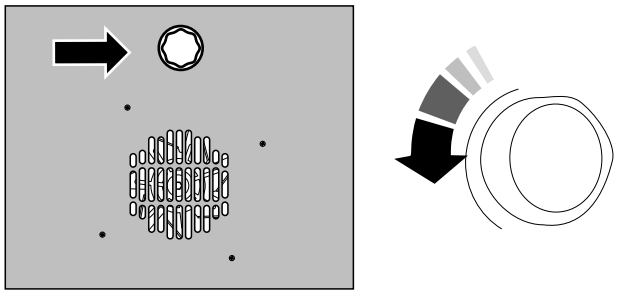
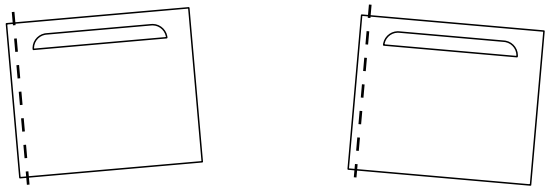
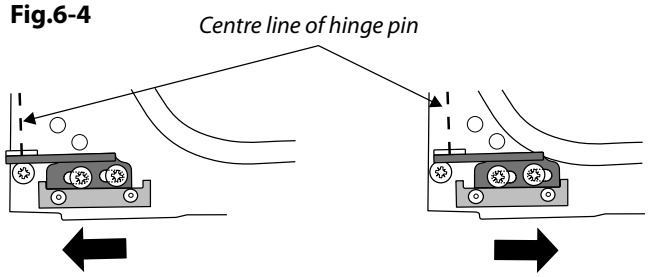


Fig.6-3



Effect of hinge adjustment – exaggerated for clarity

Fig.6-4



Oven door omitted for clarity

An oven light is not working

The bulb has probably burnt out. You can buy a replacement bulb (which is not covered under the warranty) from a good electrical shop. Ask for a 15W – 230V lamp, FOR OVENS. It must be a special bulb, heat resistant to 300°C **(Fig.6-1)**.

Turn off the power at the circuit breaker.

Before removing the existing bulb, turn off the power supply and make sure that the oven is cool. Open the oven door and remove the oven shelves.

Unscrew the bulb cover by turning counter-clockwise. It may be very stiff **(Fig.6-2)**. Taking care to protect your fingers with a glove in case the bulb should shatter.

Screw in the new bulb; screw back the bulb cover. Turn on the circuit breaker and check that the bulb now lights.

The oven door is misaligned

The bottom hinge of either oven door can be adjusted to alter the angle of the door **(Fig.6-3)**. Loosen the bottom hinge fixing screws and use the notch and a flat bladed screwdriver to move the position of the hinge to set the hinge position **(Fig.6-4)**.

Retighten the hinge screws.

7. Installation

Dear Installer

Before you start your installation, please complete the details below, so that, if your customer has a problem relating to your installation, they will be able to contact you easily.

Installer's Name
Installer's Company
Installer's Telephone Number
Appliance Serial Number

Safety Requirements and Regulations

You must be aware of the following safety requirements & regulations.

⚠ **Before installation, make sure that the local distribution conditions (nature of the gas and gas pressure) and the adjustment of the appliance are compatible.**

⚠ **This cooker is a Class 2 Subclass 1 appliance.**

⚠ **This appliance can be converted for use on another gas.**

⚠ **The appliance must be installed in accordance with the regulations in force and only in a well-ventilated space.**

⚠ **Read the instructions before installing or using this appliance.**

⚠ **Failure to install the appliance correctly could invalidate any warranty or liability claims and lead to prosecution.**

Provision of Ventilation

This appliance is not connected to a combustion products evacuation device. Particular attention shall be given to the relevant requirements regarding ventilation.

Location of Cooker

The cooker may be installed in a kitchen/kitchen diner but NOT in a room containing a bath or shower.

This appliance is designed for domestic cooking only. Use for any other purpose could invalidate any warranty or liability claim.

Note: An appliance for use on LPG must not be installed in a room or internal space below ground level, e.g. in a basement.

Conversion

This appliance is supplied set for G20 20 mbar Cat II_{2H3+}.

A conversion kit for another gas is included with the cooker.

If the appliance is to be converted to another gas we recommend that this is carried out before installation. See the instructions that are supplied with the conversion kit.

After converting the appliance, please attach the Gas Conversion sticker over the appropriate area of the data badge – this will identify the gas type for which the appliance is now set.

INSTALLATION
Check the appliance is electrically safe and gas sound when you have finished.

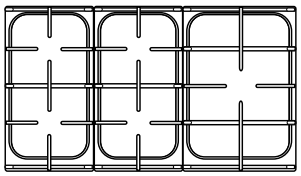
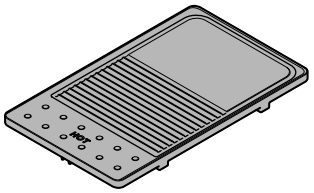
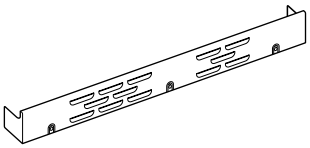
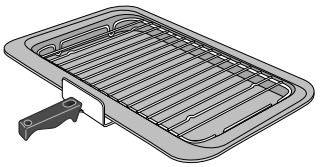
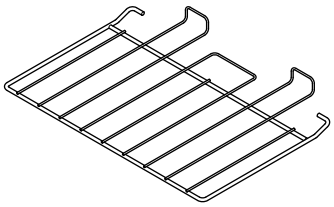
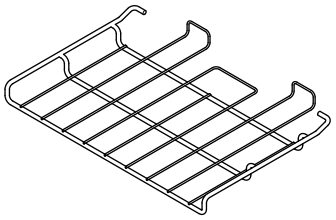
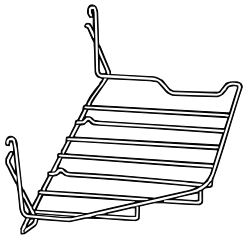
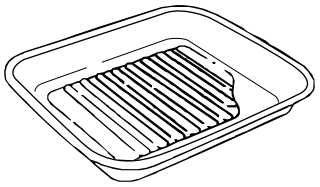
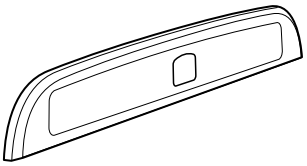
You will need the following equipment to complete the cooker installation satisfactorily:

- Stability bracket: If the cooker is to be supplied with gas through a flexible hose, a stability bracket or chain MUST be fitted.
  These are not supplied with the cooker but are available at most builders' merchants.
- Gas pressure tester/manometer.
- Flexible gas hose: Must be in accordance with the relevant standards.
- Multimeter: For electrical checks.

You will also need the following tools:

1. Electric drill
2. Masonry drill bit (only required if fitting the cooker on a stone or concrete floor)
3. Wall plugs (only required if fitting the cooker on a stone or concrete floor)
4. Steel tape measure
5. Cross head screwdriver
6. Flat head screwdriver
7. Spirit level
8. Pencil
9. Adjustable spanner
10. Screws for fitting stability bracket
11. 4 mm & 3 mm Allen keys
12. 13 mm spanner or socket wrench

Checking the Parts:

3 pan supports	*Griddle plate (some models)*
	
Plinth	*Grill pan & trivet*
	
Flat shelves	*1 drop shelf (some models)*
	
Handyrack	*Roasting tin*
	
Tall oven shelves and shelf supports	*Splashback (Classic only)*
	

Positioning the Cooker

Fig.7-1 and **Fig.7-2** show the minimum recommended distance from the cooker to nearby surfaces.

The cooker should not be placed on a base.

Above hotplate surround should be level with, or above, any adjacent work surface.

A gap of 75 mm should be left between each side of the cooker **ABOVE** the hotplate level and any adjacent vertical surface.

For non-combustible surfaces (such as unpainted metal or ceramic tiles), this can be reduced to 25 mm.

A minimum space of 650 mm is required between the top of the hotplate and a horizontal combustible surface.

**Any cookerhood should be installed in accordance with the hood manufacturer's instructions.*

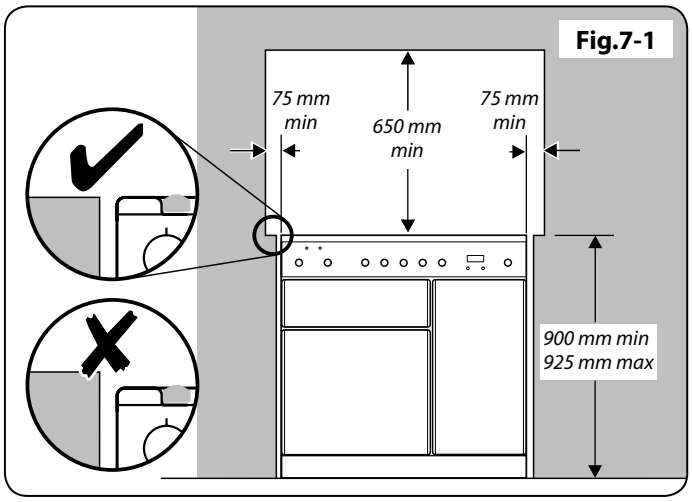
***Any splashback must be fitted in accordance with the manufacturers instructions. Allowance should be made for the flue trim, which is fitted to the cooker hob.*

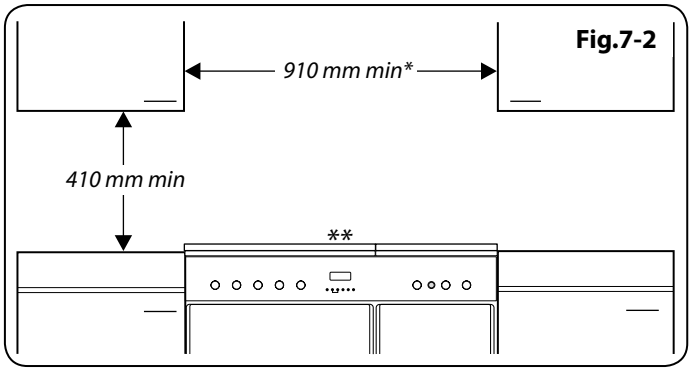
Surfaces of furniture and walls at the sides and rear of the appliance should be heat, splash and steam resistant. Certain types of vinyl or laminate kitchen furniture are particularly prone to heat damage and discolouration.

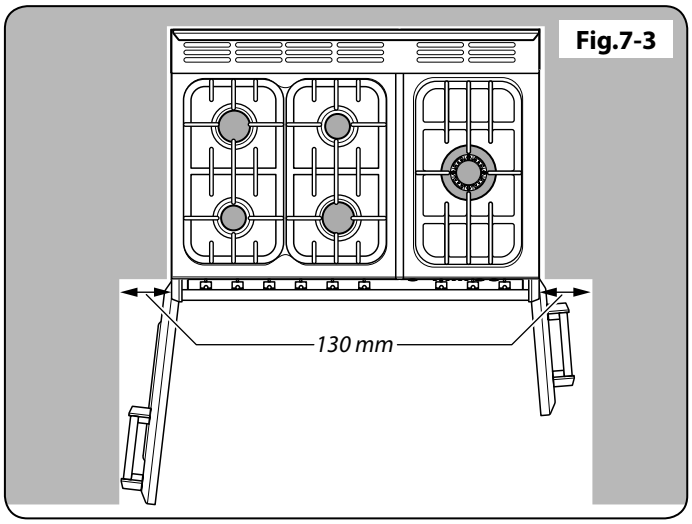
We cannot accept responsibility for damage caused by normal use of the cooker to any material that de-laminates or discolours at temperatures less than 65 °C above room temperature.

We recommend a gap of 910 mm between units to allow for moving the cooker. Do not box the cooker in – it must be possible to move the cooker in and out for cleaning and servicing.

If the cooker is near a corner of the kitchen, a clearance of 130 mm is required to allow the oven doors to open **(Fig.7-3)**. The actual opening of the doors is slightly less but this allows for some protection of your hand as you open the door.







Moving the Cooker

⚠ **On no account try and move the cooker while it is plugged into the electricity supply.**

⚠ **The cooker is very heavy, so take great care.**

We recommend that two people manoeuvre the cooker. Make sure that the floor covering is firmly fixed, or removed, to prevent it being disturbed when moving the cooker around.

To help you, there are two levelling rollers at the back, and two screw-down levelling feet at the front.

Remove the polystyrene base pack. From the front, tilt the cooker backwards and remove the front half of the polystyrene base **(Fig.7-4)**.

Repeat from the back and remove the rear half of the polystyrene base.

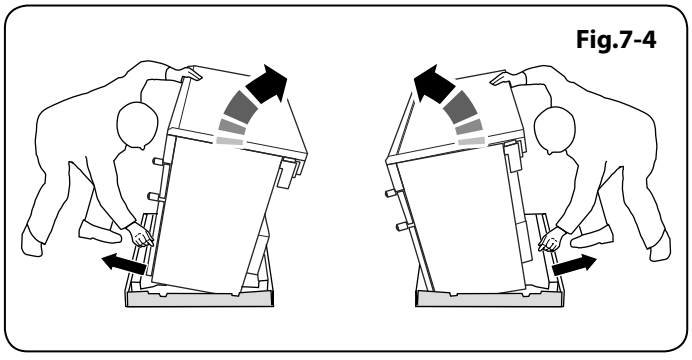


Fig.7-5

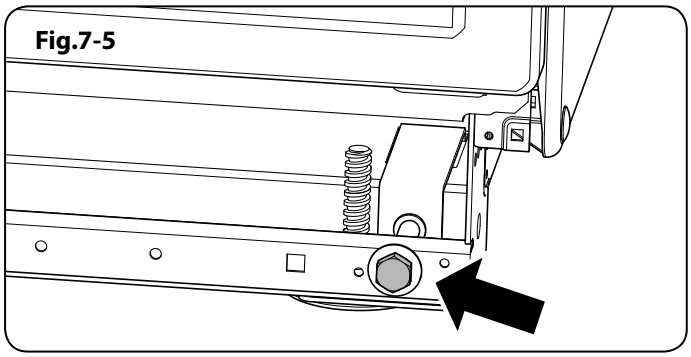


Fig.7-6

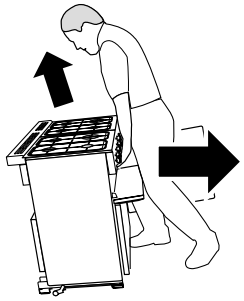
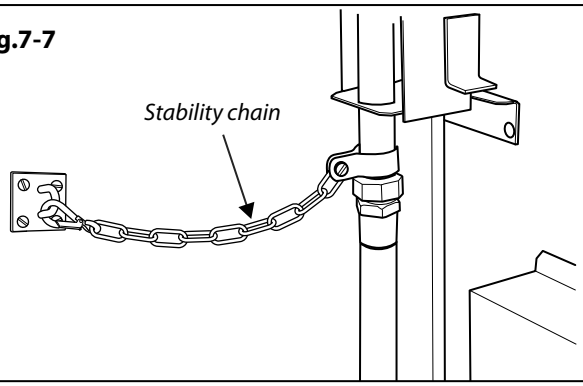


Fig.7-7



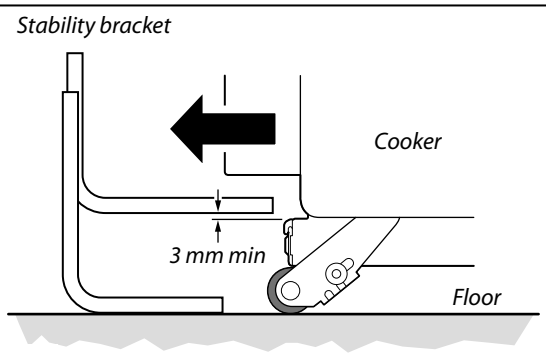
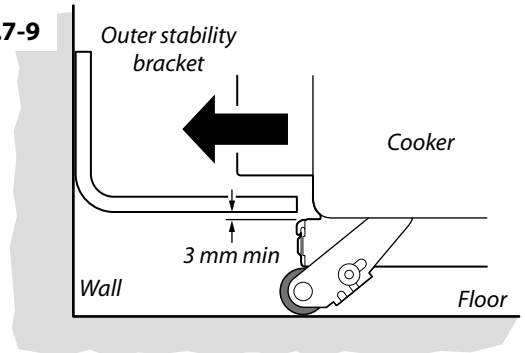


Fig.7-8 *Typical floor mounting*

Fig.7-9



Typical wall mounting

Lowering the Two Rear Rollers

To adjust the height of the rear of the cooker, first fit a 13 mm spanner or socket wrench onto the hexagonal adjusting nut **(Fig.7-5)**. Rotate the nut – clockwise to raise – counter-clockwise to lower.

Make 10 complete (360°) turns clockwise.

Make sure you lower BOTH REAR ROLLERS.

Completing the Move

Unfold the rear edge of the cardboard base tray. Open the grill door and right-hand oven door so that you can get a good grip on the bottom of the fascia panel as you move the oven **(Fig.7-6)**.

Carefully push the cooker backwards off the cardboard base. Remove the base tray.

Position the cooker close to its final position, leaving just enough space to get behind it.

⚠ **DO NOT use the door handles or control knobs to manoeuvre the cooker.**

Fitting the Stability Bracket or Chain

Unless otherwise stated, a cooker using a flexible gas connector must be secured with a suitable stability device.

Suitable stability devices are shown in **Fig.7-7**, **Fig.7-8** and **Fig.7-9**.

If you are using a stability chain **(Fig.7-7)** then the chain should be kept as short as is practicable and fixed firmly to the rear of the cooker.

If you are using a stability bracket (**Fig.7-8** and **Fig.7-9**), then adjust the bracket to give the smallest practicable clearance between the bracket and the engagement slot in the rear of the cooker.

Fit the bracket so that it engages as far as possible over the chassis of the cooker.

Repositioning the Cooker Following Connection

If you need to move the cooker once it has been connected then you need to unplug it and, having gripped under the fascia panel and lifted the front of the cooker slightly **(Fig.7-6)**, you need to check behind the cooker to make sure that the gas hose is not caught.

As you progress, make sure that both the electricity cable and gas hose always have sufficient slack to allow the cooker to move.

With a stability chain fitted, release it as you ease the cooker out. Do not forget to refit it when you replace the cooker.

When you replace the cooker, again check behind to make sure that the electricity cable and gas hose are not caught or trapped.

Conversion to Another Gas

If the appliance is to be converted to another gas do the conversion at this point. See the conversion section of these instructions and see the instructions in the conversion kit.

Levelling

You are recommended to use a spirit level on a shelf in one of the ovens to check for level.

Place the cooker in its intended position taking care not to twist it within the gap between the kitchen units as damage may occur to the cooker or the units.

The front feet and rear rollers can be adjusted to level the cooker.

To adjust the height of the rear of the cooker use a 13 mm spanner or socket wrench to turn the adjusting nuts at the front bottom corners of the cooker.

To set the front, turn the feet bases to raise or lower.

Fitting the Handles and Handrail

Remove the 4 mm Allen screws from the doors **(Fig.7-10)**. Fit the door handles and secure using the 4 mm screws **(Fig.7-11)**.

⚠ **The handles should be above the fixings.**

Remove the 4 mm Allen screws from the top corners of the fascia **(Fig.7-12)**. Fit the handrail in position and secure using the 4 mm screws.

Fig.7-10

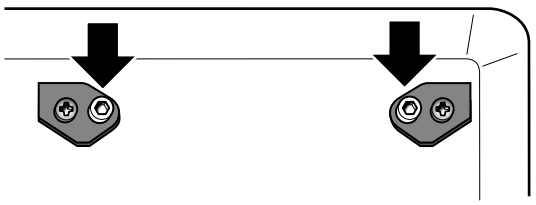


Fig.7-11

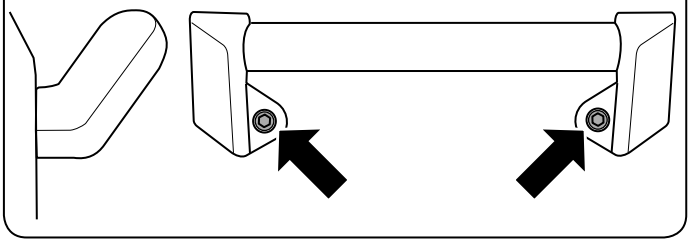


Fig.7-12

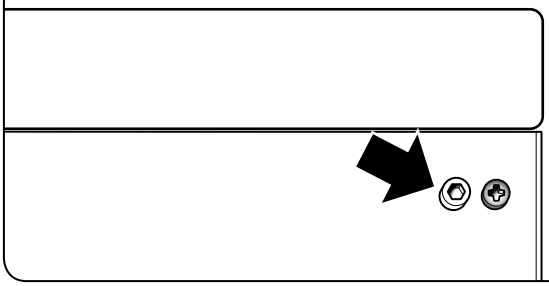
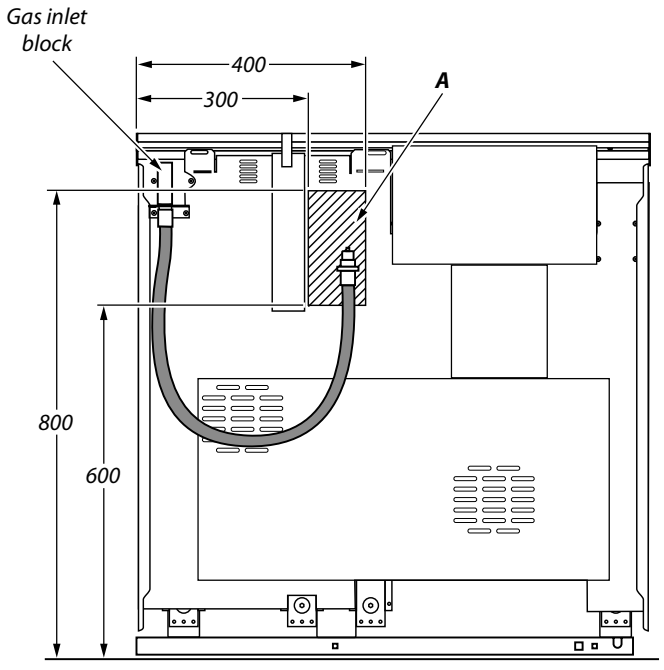


Fig.7-13



All dimensions in millimetres

Gas Connection

This must be in accordance with the relevant standards.

The flexible hose (not supplied with the cooker) must be in accordance with the relevant standards. Hoses may be purchased at most builders' merchants.

The gas supply needs to terminate with a down-facing threaded fitting 1/2".

The connector is located just below the hotplate level at the rear of the cooker. If in doubt contact your supplier.

The rear cover boxes limit the position of the supply point.

Because the height of the cooker can be adjusted and each connection is different, it is difficult to give precise dimensions.

Although a 900 mm hose can be used, a 1250 mm hose will allow slightly more flexibility in the positioning of the bayonet and make moving the cooker easier.

The hose should be fitted so that both inlet and outlet connections are vertical so that the hose hangs downwards in a 'U' shape.

Ideally the hose supply connection should be within the area shown **(Fig.7-13)**.

For Natural Gas, the flexible hose must be in accordance with BS 669. For LP Gas, it should be capable of 50 mbar pressure, 70 °C temperature rise, and carry a red stripe, band or label. If in doubt contact, your supplier.

Screw connect the threaded end of the hose into the gas inlet.

After completing the gas connection, make sure that the cooker is gas sound with a pressure test.

Pressure Testing

The gas pressure can be measured at one of the hotplate burner injectors (not a wok burner).

Lift off a burner head. Fit the pressure gauge to the injector. Turn on and light one of the other hotplate burners.

Turn on the control knob for the burner with the pressure gauge fitted to let gas through.

See the data badge for test pressures.

Turn off the burners. Make sure that you reassemble the burner top in the correct way on the burner body.

⚠ **The cooker MUST NOT be connected to an ordinary domestic power point.**

Electrical Connection

The cooker must be installed by a qualified electrician, in accordance with all relevant Standards/Codes of Practice with the relevant national and local regulations.

Current Operated Earth Leakage Breakers

The combined use of your cooker and other domestic appliances may cause nuisance tripping, so we recommend that the cooker is protected on an individual RCD (Residual Current Device) or RCBO (Residual Current Breaker with Overload).

IF IN DOUBT, PLEASE CONSULT A SUITABLY QUALIFIED ELECTRICIAN.

Note: The cooker must be connected to the correct electrical supply as stated on the voltage label on the cooker, through a suitable cooker control unit incorporating a double-pole switch, having a contact separation of at least 3 mm in all poles.

⚠ **The cooker MUST NOT be connected to an ordinary domestic power point.**

Access to the mains terminal is gained by removing the electrical terminal cover box on the back panel. Connect the mains cable to the correct terminals for your electrical supply type (**Fig.7-14** and **Fig.7-15**). Check that the links are correctly fitted and that the terminal screws are tight. Secure the mains cable using the cable clamp.

Fig.7-14

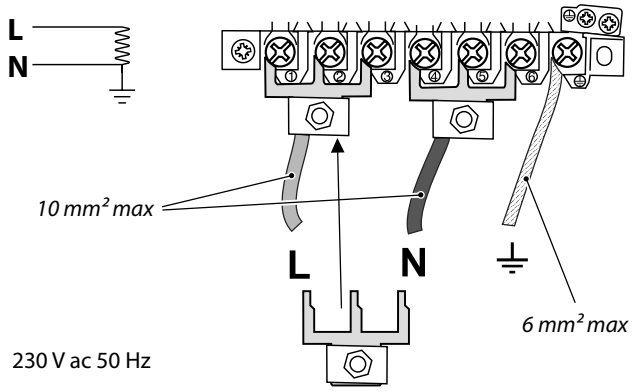
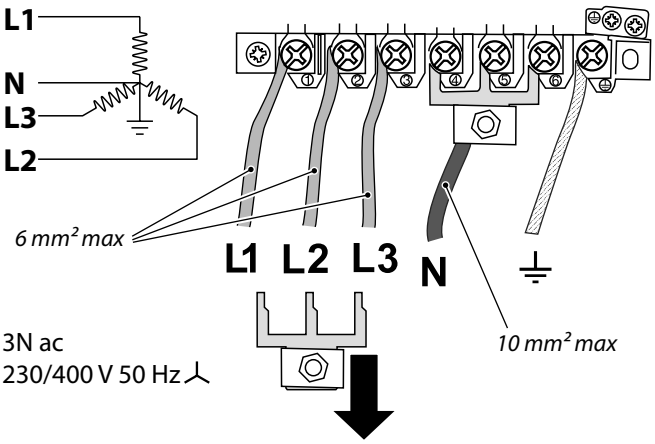


Fig.7-15



Final Checks

Hotplate Check

Check each burner in turn (refer to the *'Hotplate Burners'* section at the front of the instructions).

Grill Check

Turn on the grill control and check that the grill heats up.

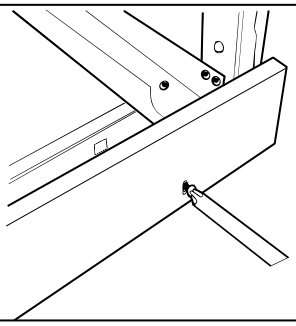
Oven Check

Set the clock as described earlier in the instructions, and then turn on the ovens. Check that the oven fans start to turn and that the ovens start to heat up. Turn off the oven.

Fitting the Plinth

Loosen the 3 screws along the front bottom edge of the cooker. Hook the central keyhole over the central screw. Twist and fit each end keyhole over their respective screws. Tighten the fixing screws **(Fig.7-16)**.

Fig.7-16



Fitting the Splashback *(Classic only)*

Position the splashback on the rear of the hotplate and secure with the screws supplied.

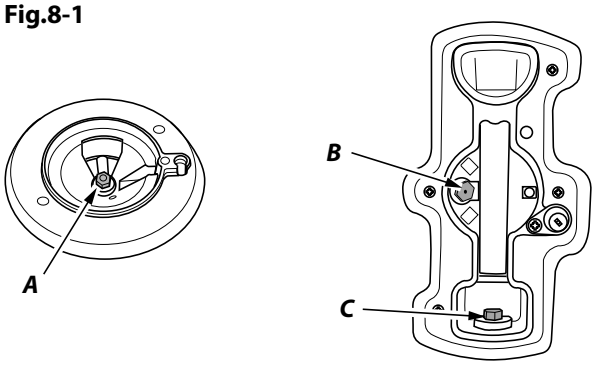
Customer Care

Installer: Please complete your details in this guide, inform the user how to operate the cooker and hand over the instructions.

Thank you.

8. Conversion to LP Gas

Fig.8-1



A – Injector, B – Internal injector, C – External injector

Fig.8-2

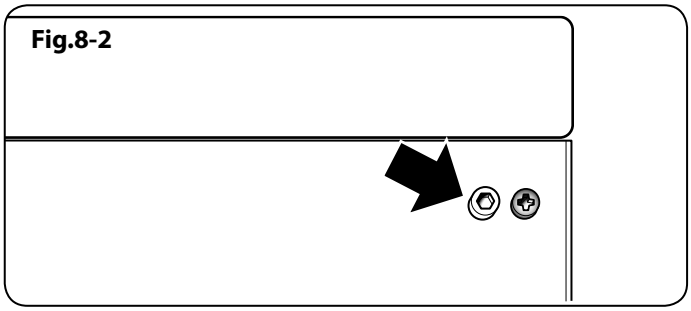
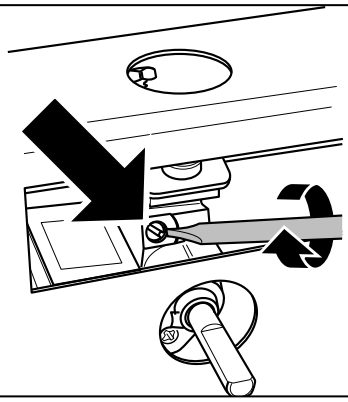


Fig.8-3



Check the '*Technical Data*' section at the back of the book that the hob is convertible to the gas you want to use.

A suitably competent person must perform the conversion. After conversion the installation must comply with the relevant regulations and also the local electricity supply company requirements. Read the instructions before converting this appliance.

Failure to convert the appliance correctly could invalidate any warranty or liability claims and lead to prosecution.

When servicing or replacing gas-carrying components disconnect from the gas supply before starting operation. Check the appliance is gas sound after completion.

DO NOT use reconditioned or unauthorised gas controls.

Disconnect from the electricity and gas supply before servicing.

Before electrical reconnection, check that the appliance is electrically safe.

Injectors

Remove the burner caps and heads. Remove the old jets **(Fig.8-1)**. Fit the new jets (see the *'Technical Data'* section at the back of this book for the correct jets). Reassemble in the reverse order.

Tap Adjustment

Classic – Removing the Control Panel

Remove the handrail. Now remove the 2 cross-headed screws hidden behind the handrail end brackets **(Fig.8-2)**

Pull off all the control knobs and remove the fixing screws underneath the control panel.

Lift the control panel and pull forwards, taking care not to damage or strain the wiring.

Rangemaster and Toledo – Removing the Control Panel

Pull off all the control knobs and remove the fixing screws underneath the control panel.

Slide the control panel to the right and then pull forwards, taking care not to damage or strain the wiring.

Bypass Screw Adjustment

Turn the bypass screw on each control clockwise to the stop **(Fig.8-3)**.

Refit the control panel.

WARNING – SERVICING TO BE CARRIED OUT ONLY BY AN AUTHORISED PERSON
Disconnect from electricity and gas before servicing. Check appliance is safe when you have finished.

Stick on Label

Stick the LP gas label over the natural gas part of the appliance data label.

Pressure Testing

Connect the appliance to the gas supply.

Check the appliance is gas sound.

The gas pressure can be measured at one of the hotplate injectors (not the wok burner).

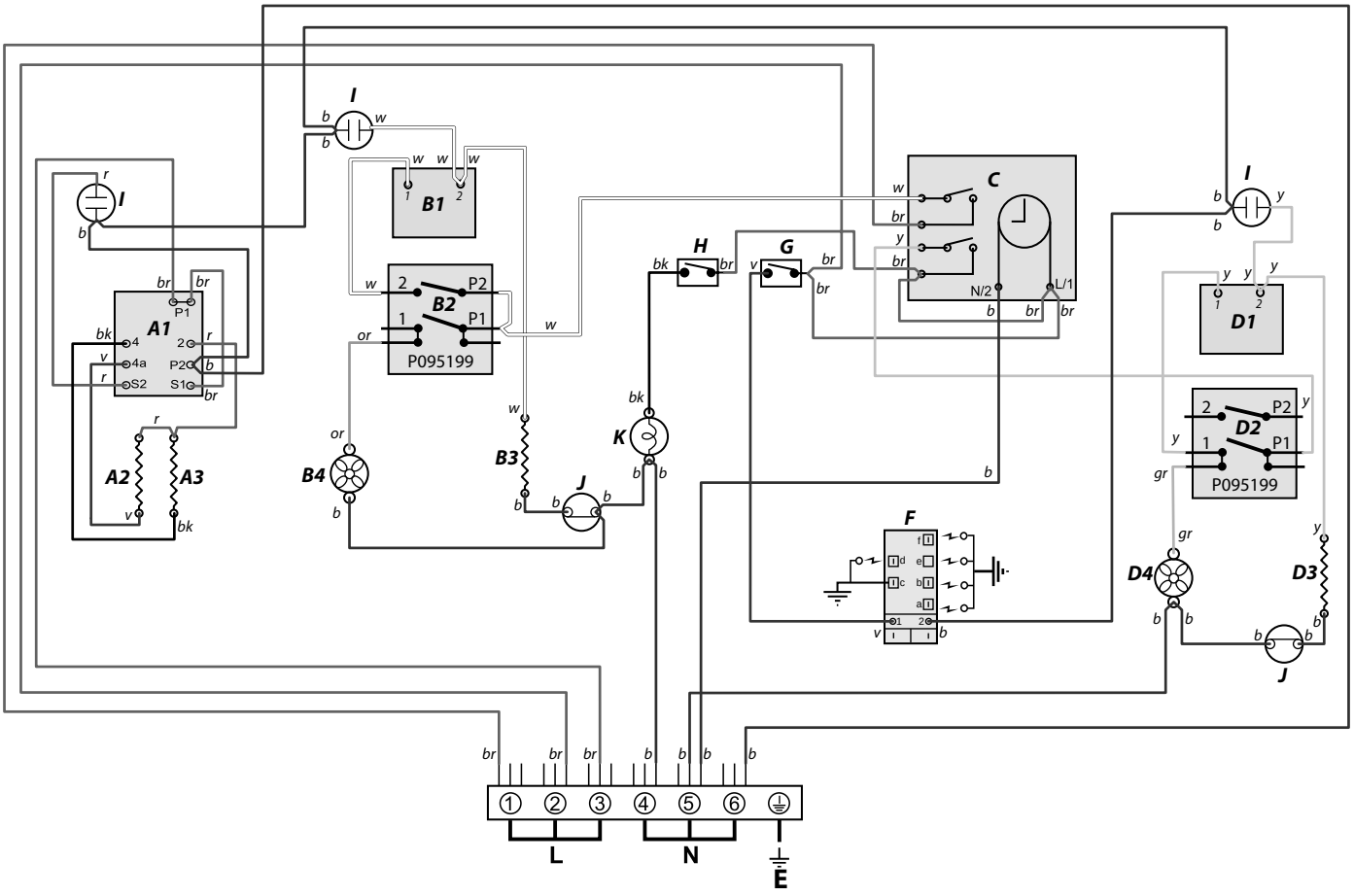
Lift off a burner head. Fit the pressure gauge to the jet. Turn on and light one of the other burners. Turn on and press in the control knob for the burner with the pressure gauge fitted.

The pressure should be 29 mbar for Butane and 37 mbar for Propane. After checking the pressure, turn off the taps and replace the burner head.

Reassemble burner top, making sure it is reassembled in the correct way on the burner body.

Check operation of all the burners.

9. Circuit Diagram



Key

The connections shown in the circuit diagram are for single-phase. The ratings are for 230 V 50 Hz.

Code	Description
A1	Grill control
A2	Grill element left-hand side
A3	Grill element right-hand side
B1	Left-hand oven thermostat
B2	Left-hand oven control
B3	Left-hand oven element
B4	Left-hand oven fan
C	Clock
D1	Right-hand oven thermostat
D2	Right-hand oven control
D3	Right-hand oven element
D4	Right-hand oven fan

Code	Description
F	Ignition spark generator
G	Ignition switch
H	Oven light switch
I	Neon
J	Thermal cut-out
K	Oven light

Code	Colour
b	Blue
br	Brown
bk	Black
or	Orange
r	Red
v	Violet
w	White
y	Yellow
g/y	Green/yellow
gr	Grey

10. Technical Data

THE COOKER IS CATEGORY: CatII_{2H3+}.
It is supplied set for group H natural gas. A conversion kit from NG to LP is packed with the cooker.

INSTALLER: Please leave these instructions with the User.

DATA BADGE LOCATION: Cooker back, serial number repeater badge below oven door opening.

COUNTRY OF DESTIONATION: GB, IE.

Connections

Gas (Rp ½ at rear right-hand side)		**Electric**
Natural gas	20 mbar	230/400 V 50 Hz
Butane	29 mbar	
Propane	37 mbar	

See the appliance badge for test pressures.

Dimensions

Overall height	minimum 900 mm	maximum 925 mm
Overall width	900 mm	
Overall depth	600 mm (to fascia); 650 mm (over handles)	
Minimum space above the hotplate	650 mm	

Refer to '*Positioning the Cooker*'.

Ratings

Hotplate	**Bypass Screw***	**Natural Gas 20 mb**		**L.P. Gas**	
			Injector		**Injector**
Wok burner *(Classic & Toledo)*	57	3.5 kW	internal 80	3.5 kW (246 g/h)	internal 54
			external 129		external 77
Large burner	40	3.0 kW	134	3.0 kW (210 g/h)	87
Medium burner	32	1.7 kW	109	1.7 kW (119 g/h)	68
Small burner	28	1.0 kW	75	1.0 kW (70 g/h)	51

* The valves in this cooker are fitted with adjustable bypass screws. The cooker is supplied with the bypass screws set for Natural gas. For LPG conversion the bypass screws must be screwed all the way down.

Oven Efficiency

Ovens	**Main Oven**	**Tall Oven**
	Forced Air Convection	**Forced Air Convection**
Maximum power output @ 230 V 50 Hz	2.5 kW	2.5 kW
Energy efficiency class on a scale of A (more efficient) to G (less efficient)	A	A
Energy consumption based on standard load	0.90 kWh	0.99 kWh
Usable Volume (litres)	69	66
Size	Large	Large
Time to cook standard load	38 minutes	49 minutes
Surface area of the grid	1400 cm^2	790 cm^2

Grill	2.3 kW

Maximum total electrical load at 230 V (approximate total including oven lights, oven fan, etc.)**:** 7.4 kW.

Name of Appliance & Colour*				
Appliance Serial Number*				
Fuel Type*	**Natural Gas**	☐	**LP Gas**	☐
	Dual Fuel	☐	**Electric**	☐
Retailer's Name & Address				
Date of Purchase				
Installer's Name & Address				
Installer's Telephone Number				
Date of Installation				

* This information is on the appliance data badge - look in the appliance instructions to find out where the data badge is located.

CONSUMER SERVICE

If you have any product enquiries, or in the event of a problem with your appliance once it has been installed, please telephone 0870 789 5107.

CONSUMER SERVICE LINES OPEN:

Monday to Thursday 8am–6pm
Friday 8am–5pm
Saturday 9am–1pm

WARRANTY

Your manufacturer warranty covers goods of our own brand for defective workmanship and materials for a period of 1 year from the date of purchase. This warranty covers mechanical breakdown and proven cosmetic and manufacturing defects.

You will receive an additional FREE full 12 months guarantee by registering your purchase using the FREEPOST form provided. Alternatively, call free on 0800 587 5747, quoting reference RMGX57A, or register online at www.rangemaster.co.uk.

Any damage, blemishes or chips identified upon receipt of the product must be reported within 90 days – proof of purchase may be required to establish validity. Scratches on the surface of ceramic hobs must be reported within 14 days. Scratches caused by usage are not covered. Accidental damage is not covered by the manufacturer's warranty.

For warranty compliance, the requirements are that the appliance:

- Has been correctly installed in accordance with current legislation, relevant British and European Standards and Codes of Practice, by a suitably competent person registered with Gas Safe or equivalent body and, where applicable, a qualified electrician.
- Has been used solely for domestic cooking purposes.
- If in use in the UK*, has not been taken abroad as a personal export. (In the Republic of Ireland conditions may vary, so consult your retailer.)
- Is not second-hand or a refurbished appliance. The manufacturer's warranty is not transferable.
- Has not been subject to misuse, accidental damage or modification, and has not deteriorated due to normal domestic wear and tear, and the manufacturer's recommendations concerning cleaning materials have been followed.
- Has not been repaired by persons or organisations other than those authorised to act on behalf of AGA Rangemaster.

Exceptions:

- Items not included under the free 1 year guarantee include pan supports, griddles, wok rings, baking trays, grill pans, trivets, filters, light bulbs and other consumable accessories.
- Any damage caused other than through normal use.
- Breakdowns associated with cooking spillage.
- Cosmetic deterioration deemed to be normal wear and tear.

This warranty is in addition to your Statutory Rights.

* Only certain models can be adapted for use with Mains Gas supplied in the Channel Islands and Isle of Man.

OUT OF WARRANTY

Service work should only be carried out by technically competent and suitably qualified personnel.

For your own safety, always make sure that work is carried out by a Gas Safe registered engineer for gas appliances or an approved electrician for electrical models.

For a competitive quote and to arrange for a Rangemaster approved engineer to attend, call Consumer Services on: 0870 7895107.

SPARE PARTS

To maintain optimum and safe performance, we recommend that only genuine Rangemaster spare parts are used. These are available from most major spares stockists, including ourselves.

Contact Consumer Services on 0870 7895107, who will be happy to help.

STANDARDS

Rangemaster cookers are designed and manufactured to a recognised international quality standard, which meets the requirements of BS EN ISO 9001, BS EN ISO 14001 and OHSAS 18001 for continually improving environmental procedures.

Rangemaster cookers comply with the essential requirements of the appropriate European Directives, and carry the CE mark.

ALSO PART OF THE RANGEMASTER COLLECTION...









Clarence Street
Royal Leamington Spa
Warwickshire
CV31 2AD
England

Tel: +44 (0) 1926 457400
Fax: +44 (0)1926 450526
E-mail: consumers@rangemaster.co.uk
Consumer Services Tel: +44 (0) 870 7895107
www.rangemaster.co.uk

For ROI Enquiries Tel: 1850 302 502

RANGEmaster

Britain's No.1 Range Cooker

Search Rangemaster UK

Registered in England and Wales. Registration No. 354715 Registered Office: Juno Drive, Leamington Spa, Warwickshire, CV31 3RG

Rangemaster continuously seeks improvements in specification, design and production of products and thus, alterations take place periodically. Whilst every effort is made to produce up-to-date literature, this booklet should not be regarded as an infallible guide to current specification, nor does it constitute an offer for the sale of any particular appliance.

CE