



GLEN DIMPLEX
AUSTRALIA PTY LTD

BELLING DB4 90E
SERVICE MANUAL



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THIS MANUAL COVERS THE FOLLOWING MODELS :-

BELLING DB4 90E

PRODUCT IDENTIFICATION

Appliance rating plate location

The appliance rating plate is located on the right-hand side of the front frame and also on the rear service panel

9	10	1	8	4	3	2	8
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YEAR

MONTH

NUMBER OF PRODUCTION
FOR THE MONTH

4	4	4	4	4	0	0	2	8
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PRODUCT IDENTIFICATION CODE

It is important that during all service calls the model and serial numbers are recorded on all paper work.



Whatever the occasion

bellini[®]

think of everything

Our Warranty

Should you need it

2 YEARS PARTS & LABOUR

Your appliance is covered by a 2 year warranty on Parts & Labour. You will not be billed for work or parts undertaken should your appliance be faulty, terms and conditions do apply, so please read through the literature carefully.

Our Customer Care Centre can be called on:

1300 556 816 - AUS
09-2748265 - NZ

We aim to answer calls as quickly as possible, and in strict rotation as soon as one of our Customer Care team becomes free.

Please ensure that you have available your appliances model number and serial number, there is a space at the back of this book for recording that information.

Outside the UK and Northern Ireland, please contact your local supplier.

Glen Dimplex Australia,
Unit 2, 205 Abbots Road
Dandenong South
Victoria 3175
Australia

Ph 1300 556 816
Fx 1800 058 900

Glen Dimplex NZ
38 Harris Road
East Tamaki
Auckland
New Zealand

Ph 09-2748265
Fx 09-2748472

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IMPORTANT NOTICE

Please note the cooling fan fitted to this appliance is an integral part of its safety and functionality.

When the appliance is installed care must be taken that the cooling fans performance is not impeded by any objects coming into contact with it. (Installation pipes, leads etc)

Care must also be taken that there is sufficient air flow at the rear of the appliance for the cooling fan to run at its optimum efficiency. (Particularly Built In appliances) See clearance dimensions in the installation section of the booklet.

During use the Appliance must never be disconnected from the Mains supply as this will seriously affect the safety and performance of the appliance, particularly in relation to surface temperatures becoming hot and gas operated parts not working efficiently.

The cooling fan is designed to run on after the control knob has been switched off to keep the front of the appliance and the controls cool until the appliance has naturally cooled itself.

Before Using Your Cooker



Before using this appliance please make sure that you have removed all packaging and wrapping. Some of the furniture inside this appliance may have additional wrapping.



It is also advised that you turn the ovens and/or grill on for a short while, this will burn off any residues left from manufacturing. There may be a smell which accompanies this process - but this is nothing to worry about and is harmless.



We also recommend that you wash the oven shelves, the baking tray, the grill pan, and the grill pan trivet before their first use in hot soapy water, this will remove the protective oil coating.



Although every care has been taken to ensure this appliance has no burrs, or sharp edges, we recommend that you wear protective gloves when installing and moving this appliance. This will prevent any injury.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.



Our policy is one of constant development and improvement. Strict accuracy of illustrations and specifications cannot be guaranteed. Modification to design and material may be necessary subsequent to publication.



Please bear in mind that not all the sections inside this handbook are relevant to your appliance, but you should read carefully the sections which are relevant before installation and use. This will save you time.



Always use an authorised person for this appliance. Environmental protection:



Glen Dimplex Home Appliances brands are committed to protecting the environment. All packaging with this appliance is recyclable and environmentally friendly.

Please recycle whenever possible - contact your local authority for your nearest recycling centre.



This appliance is for use in a domestic kitchen only, it is not designed, or intended, for commercial use.



The appliance is not intended for use by young children or infirm persons without supervision.



Young children should be supervised to ensure that they do not play with the appliance.

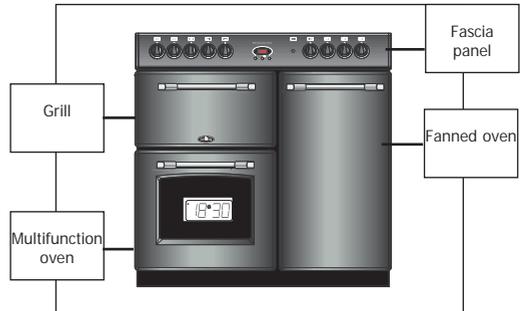
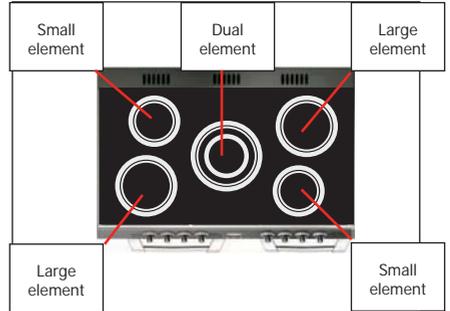
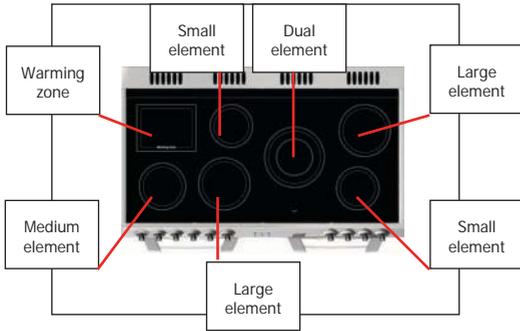


WARNING - If the surface is cracked, switch off the appliance to avoid the possibility of electric shock.

About Your Cooker

The illustrations below show the different cavity and hob layouts available within dual fuel ranges.

 = Programmeable oven
(see timer section)



Hob & Cooker Safety

- ✓ Always ensure that pan bases are dry, and flat before using them on the hob.
- ✓ Always position pans over the centre of the element, and turn the handles to a safe position so they cannot be knocked or grabbed.
- ✓ Always use pans which are no smaller than 100mm (4"), or larger than 250mm (10").
- ✓ Always take care when removing food from the oven as the area around the cavity may be hot.
- ✓ Always use oven gloves when handling any utensils which have been in the oven as they will be hot.
- ✓ Always make sure that the oven shelves are resting in the correct position in between two runners. Do not place the oven shelves on top of the highest runner, this will lead to spillage and injury if the baking tray, or dish falls.
- ✗ Never use double pans, rimbased pans, old or misshapen pans, or any pan which is not stable on a flat surface.
- ✗ Never leave cooking fat, or oil, unattended.
- ✗ Never use commercial simmering aids, or heat diffusers, as they create excessive heat and can damage the surface of the hob.
- ✗ Never use the hob for any other purpose than cooking food.
- ✗ Plastic cooking utensils can melt if they come into contact with a warm hob. Never leave them close to, or on top of the hob.
- ✗ Never leave the element alight without a pan covering it. This causes a fire hazard.
- ✗ Do not place items on the door while it is open.
- ✗ Do not wrap foil around the oven shelves, or allow it to block the flue.
- ✗ Do not drape tea towels near the oven while it is on, this will cause a fire hazard.
- ✗ Do not pull heavy items, such as turkeys, or large joints of meat, out from the oven on the shelf, as they may overbalance and fall.
- ✗ Do not use this appliance to heat anything other than food items, and do not use it for heating the room.



WARNING: Parts of the appliance may become hot while in use, always make sure that children are supervised when they are near to the appliance.



Call Customer Care for a service engineers visit if:

- You find over a period of time that the oven becomes hotter at a particular temperature - the thermostat may need replacing.
- The cooling fan fails to work.

Always use the Minute Minder (if fitted) if you are leaving the oven unattended, this reduces the risk of food burning.



Warning (ceramic glass): Never use the hob if the ceramic surface is cracked, broken or shattered. This creates a high risk of injury. Switch off the electric supply and call for a service engineer to come out.



Warning (ceramic glass): Do not stare at the halogen elements (if fitted). This may impair your vision!

Aluminium foil:
Do not leave foil on the hob top, it reflects heat back into the element which leads to damage.

Slow cooking time?
Check the base of your pan. Shiny pans can often reflect heat back into the element causing it to cycle on and off more.

Chip Pan Fires

What causes a chip pan fire?

- Chip pan fires start when oil or fat overheats and catches fire, or when oil or fat spills on to the cooker because the pan has been filled too high.
- They can also start when wet chips are put into hot oil, making it bubble up and overflow.

Preventing a chip pan fire

- Never fill the pan more than a third full with oil or fat.
- Never leave the pan alone with the heat on - even for a few seconds.
- Dry chips before putting them in the pan.
- Never put chips in the pan if the oil has started smoking. Turn off the heat and leave the oil to cool down, or else it could catch fire.

In the event of a chip pan fire

- If your chip pan does catch fire - don't panic, and don't move the pan. Serious burns are often caused by picking up the pan and running outside with it.
- If it is safe to do so, and you don't have to reach across the pan, turn off the heat.
- Never throw water, or use a fire extinguisher.
- If you can, drape a damp cloth or towel over the pan to smother the flames.
- Leave the pan to cool down for at least half an hour.
- If you can't control the fire yourself, close the door, get out and tell everybody else to get out.
- Call the fire brigade. Don't go back inside whatever the reason.

Using The Programmer/Clock

Through your programmer you will be able to set the time of day, set the minute minder, and use the semi and fully automatic cooking functions. The programmer is vital to the working of your appliance, and reading this section will make sure that you get the most out of your ovens.

The programmer buttons (push button timer)
There are three buttons on this type of timer. The table below shows you what their symbols look like, depending on the model type, and what they do.

Symbol	Symbol	What is it?
	-	Down / Minus Used to decrease cook / end time, remove minutes from the minute minder and adjust the time of day. Also for listening to and setting the alarm tone. There are 3 tones to choose from.
	+	Up / Plus Used to increase cook / end time, add minutes to the minute minder and adjust the time of day.
	FUNCTION 	Function button Used to select the functions available on this timer. Press once for: Minute Minder. Press twice for: Cook time Press three times for: End time. How to use these functions is explained later on in this section.

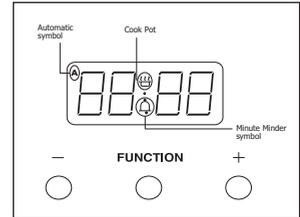
Setting the time of day (push button timer)

- Press the Plus and Minus buttons together for a few seconds, and release.
- The '●' in between the numbers on the LED Display will begin to flash.
- While the '●' is flashing it is possible to adjust the time using the Plus and Minus buttons.
- Once the time has been set, allow approximately 30 seconds before using any of the other timer functions. This ensures that the time will remain correct.

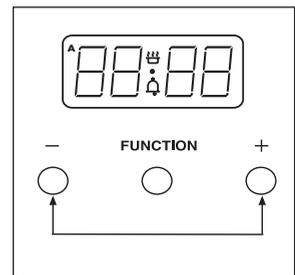
Setting an alarm tone (push button timer)

- Press and release the minus button.
- Once the minus button is released, the tone is selected.

What your timer symbols mean.



i This is a 24 hour clock. Before you do anything with your appliance - you must set the correct time of day.



Using The Programmer/Clock

Through your programmer you will be able to set the time of day, set the minute minder, and use the semi and fully automatic cooking functions. The programmer is vital to the working of your appliance, and reading this section will make sure that you get the most out of your ovens.

The programmer buttons (touch control timer) There are three icons on this type of timer. The table below shows you what their symbols look like, depending on the model type, and what they do.

Symbol	Symbol	What is it?
	-	Down / Minus Used to decrease cook / end time, remove minutes from the minute minder and adjust the time of day. Also for listening to and setting the alarm tone. There are 3 tones to choose from.
	+	Up / Plus Used to increase cook / end time, add minutes to the minute minder and adjust the time of day.
	FUNCTION 	Function icon Used to select the functions available on this timer. Press once for: Minute Minder and to set the time of day. Press twice for: Cook time Press three times for: End time. How to use these functions is explained later on in this section.

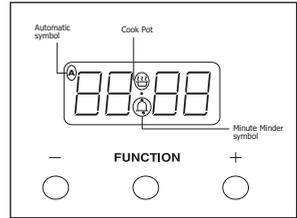
Setting the time of day (touch control timer)

- Press the centre icon for a few seconds, and release.
- The '●' in between the numbers on the LED Display will begin to flash.
- While the '●' is flashing it is possible to adjust the time using the Plus and Minus icons. Please note: the hours and minutes adjust quickly.
- Once the time has been set, allow a few seconds before using any of the other timer functions. This ensures that the time will remain correct.

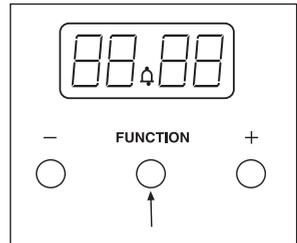
Setting an alarm tone (touch control timer)

- Press and release the Plus and Minus icons, then press the centre icon. Use the minus icon to listen to the tones.
- Once the minus icon is released, the tone is selected.

What your timer symbols mean.



i This is a 24 hour clock. Before you do anything with your appliance - you must set the correct time of day.



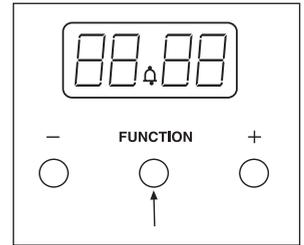
Using The Programmer/Clock

Setting the minute minder (touch control timer)

- To set the Minute Minder, touch the centre icon. The bell symbol will appear and start flashing. The flashing only lasts for 5 seconds so the time must be set within this time frame.
- Use the Plus and Minus icons to set the length of time required. Once this has been done, the Minute Minder is set.
- When the desired length of time has counted down the alarm will sound. To cancel the tone, press any of the icons.
- To cancel the Minute Minder at any time, press the Plus and Minus icons together.

Setting the minute minder (push button timer)

- To set the Minute Minder, press the centre button once. The bell symbol will appear and start flashing. The flashing only lasts for 5 seconds so the time must be set within this time frame.
- Use the Plus and Minus button to set the length of time required. Once this has been done, the Minute Minder is set.
- When the desired length of time has counted down the alarm will sound. To cancel the tone, press any of the buttons.
- To cancel the Minute Minder at any time, press the Plus and Minus buttons together.



Using The Programmer/Clock

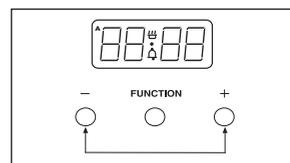
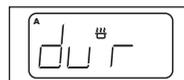
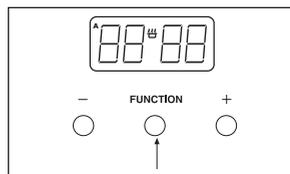
When using the automatic cooking functions, the touch control and push button operate in the same way.

Semi - Automatic Cooking

The Duration method

Switch off after a set time period

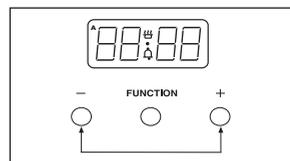
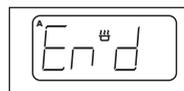
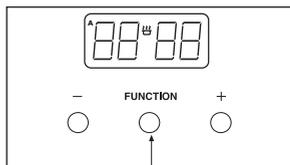
- Press the Function button / icon twice, which will skip past the Minute Minder.
- The display will flash the word 'dur', and the 'A' will flash on the left hand side of the display.
- Use the Plus and Minus buttons / icons to set the length of time you want to cook for. This must be done within 5 seconds or the time of day will show again.
- Once this is done the oven will automatically switch off once the time has elapsed, and the alarm will sound. To switch off the alarm, press any button.
- To view any remaining time press the function button / icon twice.



The End Time method

Switch off at a set end time

- Press the Function button / icon three times, which will skip past the Minute Minder and the Duration programmer.
- The display will flash the word 'End' and the 'A' will flash on the left hand side of the display.
- Use the Plus and Minus buttons / icons to select the time the oven is required to turn off.
- Once this is done the oven will turn itself off at the time you have selected. To switch off the alarm, press any button / icon.



Setting the Programmer

Fully Automatic Cooking

Switch on and off automatically

This requires both the duration and the end time to be entered. The timer will work out the start time and begin cooking.

- Press the Function button / icon twice, which will skip past the Minute Minder.
- The display will flash the word 'dur', and the 'A' will flash on the left hand side of the display.
- Use the Plus and Minus buttons / icons to set the length of time you want to cook for. This must be done within 5 seconds or the time of day will show again.
- Press the Function button / icon three times, which will skip past the Minute Minder and the Duration programmer.
- The display will flash the word 'End' and the 'A' will flash on the left hand side of the display.
- Use the Plus and Minus buttons / icons to select the time the oven is required to turn off.
- Once this is done the oven will turn itself off at the time you have selected. To switch off the alarm, press any button / icon.
- Set the temperature of the oven and place the food inside.
- The timer will calculate the appropriate start time.

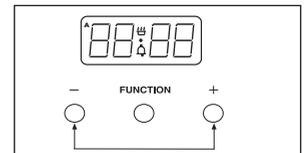
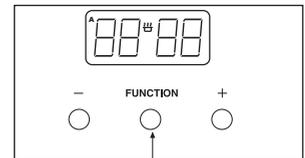
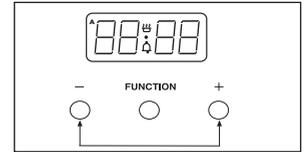
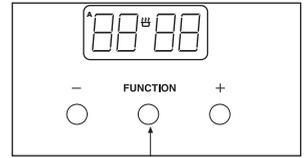
When using the Programmer:

✓ Do:

- Familiarise yourself with the use of the programmer.
- Select foods which are as fresh and as cold as possible preferably straight from the refrigerator.
- Choose foods which are suitable for cooking from a cold start, as some dishes will be affected by being left uncooked, at room temperature.
- Make sure that meat, poultry and uncooked food are thoroughly thawed before placing them in the oven.
- Cover dishes with lids or foil.
- Try to keep the end time as close to your return as possible.

✗ Do not:

- Place warm food in the oven for delayed cooking foods must be thoroughly cooled before placing in the oven, the oven must also be cool before you start.
- Cook dishes containing left over cooked meat or poultry, or pastry dishes with wet fillings, they are not suitable!
- Over-fill dishes containing liquids.



i The automatic cooking symbol will appear to show that the oven is no longer in manual mode but in automatic mode.

i Important: Once the oven has switched itself off please make sure you turn to oven controls to the 'off' position and set the oven to manual by pressing the Cook Time and Ready Time buttons / icons together.

i Important: Remove food as soon as it is cooked.

Using Your Ceramic Hob

About your hob

Your hob may have halogen element (s) as well as the standard ceramic elements. In terms of care and use the procedure remains the same as with the other elements.

The hot hob light

The hot hob light will come on when one of the hotplates is switched on, or when it has begun to warm up. It will remain on for a short time after the last element has been switched off to serve as a reminder that the hob top may still be warm to the touch.

Switching on - rotary control

- Select the element you wish to use, place the pan on and turn the control knob clockwise to the heat you wish to use.
- The temperature settings on the hob do not indicate any set temperature and cannot be used to judge one element against another.
- During cooking, the elements will cycle on and off, this is to prevent the hob from overheating.
- In addition for your safety, there may be a 'hot hob' light, this will indicate that the hob has been recently used and may still be hot to touch.
- To switch off, turn the selected control knob anti-clockwise to the 'OFF' position.

Energy Saving

- Position pans centrally over the elements.
- Only heat the amount of liquid you need.
- Once liquids have been brought to the boil, reduce the heat setting to a simmer.
- Consider using a pressure cooker if possible.
- Vegetables in small pieces will cook quicker.
- Use a pan which is a close match to your element size.
- Smaller elements are ideal for simmering and stewing in smaller pans, while the larger elements are ideal for frying and boiling.



Always make sure that children are supervised when they are near to the appliance when it is in use.



Before use:
Apply a thin coat of ceramic hob cleaner to the hob to help maintain and protect it. Supplies can be purchased from our Customer Parts Centre. The part number and contact number are towards the back of this guide.



Use flat based pans which are the correct size for your burners and suitable for your hob type.
We recommend the following sizes:
100mm or 4" min.
250mm or 10" max.
Smaller or larger pan sizes may lead to slower cooking times.



Try to avoid spillages of salty substances or sugary substances onto your hotplate spillage well, as this may cause staining and damage your hob.
Clean the hob top as regularly as possible, this will prevent any build up of grease which may be a fire hazard.

Using Your Ceramic Hob

Notes for Ceramic / Halogen hobs:

- Warning: Do not stare at the halogen hob element while it is in use - doing so may temporarily impair your vision.
- Do not use the ceramic glass surface of the hob as a work surface or chopping board, this will cause damage to the glass.
- Do not use commercial simmering aids as they cause excess heat which can damage your hob top and cause a hazard.
- Plastic utensils may melt onto the hob top if they come into contact with it while it is warm.
- Please be aware that the surface of this hob is smooth. If pans are knocked they will move on the hob top. Make sure pans are not overhanging the edge of the hob to prevent this wherever possible.
- Use pans which are large enough for the foods inside to avoid overflowing - this may cause damage to your hob.
- Pans with dull or dark coloured bases give the quickest results. All pans used on ceramic/halogen hobs should have thick, flat, smooth bases to ensure maximum contact with the element.
- Aluminium pans will give good results, but please take care when using them. If they are slid across the hob top they tend to leave visible marks which can be difficult to remove.
- Foods in salted water, or with a high sugar or syrup content may cause damage if they are spilled onto the hob during cooking.
- Aluminium foil must not be placed onto the hob, it will reflect any heat back into the element - which can damage it.
- Pans with highly polished bases may also reflect heat back into the element causing the hotplate to cycle on and off rapidly, which slows down cooking.
- Do not leave the element on without it being covered by a pan as this can cause overheating.

Using Your Grill

Before you start grilling. . . .

Before you use the grill, make sure you have placed the grill shelf in the position you need as once the grill is on you may injure yourself if you try to move the shelf.

- Do not close the door while the grill is in use.
- Turn the selector control knob to the heat setting you require.
- To switch off, return the control knob to the 'off' position.
- The cooling fan will come on during use, and may continue to run for some time afterwards.
- To adjust your results, you can turn the grid over, or remove it altogether.

If your grill is a dual grill:

- The dual grill uses all of the top element and is ideal for grilling large quantities of food.
- The single grill uses part of the element only, and is better suited to grill smaller amounts of food.

The grill pan

This appliance comes with a grill pan, grill pan handle and a grid.

The handle of the grill pan is detachable to allow you to remove it while the pan is in use, this stops it from getting hot.

To attach the handle:

Place the handle over the narrow edge of the grill pan and slide to the centre as shown in the diagrams.

Shelf & Grid adjustments

Speed of grilling can be adjusted by changing the shelf position or the turning the grill pan grid.

- High: For thin foods and toasting.
- Low: For thicker meat pieces.

Aluminium Foil

Never cover the grill pan or grill grid with foil, or allow fat to build up in the grill pan, as this creates a fire hazard.

i Warning: Accessible parts may become hot when the grill is in use. children should be kept away.

i Types of grill

Fixed rate grill: has a full 'on' setting and 'off'.

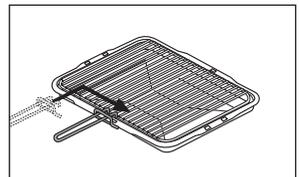
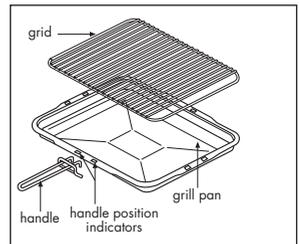
Variable rate grill: has adjustable heat settings 1 (low) to 8 (high) or 5 (high) - depending on the model.

Single grill: has one grill element.

Dual grill: has two grill elements which can be used together, or as a single grill.

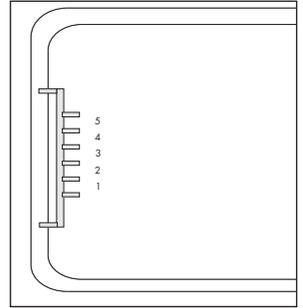
i For best results: Pre-heat the grill for about 3 minutes.

i Please note: the grill pan handle is designed for sliding the grill pan into and out of the grill cavity. It is not to be used for lifting the pan.



Grilling Guide

Food Type	Shelf Position	Time Approx (mins)
Bacon	5	8 - 15
Sausages	5	12 - 15
Chops ● Lamb ● Pork	4 3	10 - 15 15 - 25
Toast ● 2 rounds ● 4 rounds	5 5	1 - 2 (per side) 1 - 2 (per side)
Bread products ● Buns ● Tea cakes	4 4	1 - 2 (per side) 1 - 2 (per side)
Cheese on toast ● 2 rounds ● 4 rounds	5 5	4 - 5 4 - 5
Fish: ● fillets	2	10 - 15
Chicken: ● fillets	Depends on thickness 1 - 2	20 - 30
Beef Steaks: ● rare ● medium ● well done	5 4 4	7 - 10 10 - 15 15 - 20
Gammon Steaks	5	12 - 15



i Note:
Shelf positions are counted from the bottom up.

i As with any cooking guide, all times are approximate and can be adjusted to suit personal taste.

Using Your Multifunction Oven

The main oven may be controlled by the programmer (see The Programmer/Clock for details).

The programmer, if fitted must be set to manual before it can be used, or programmed.

Switching on the multifunction oven

- Use the function control knob to select the function you wish to use - see the functions table for details.

Note: You can change function during cooking if you wish, as long as the oven is in manual mode.

- Turn the temperature control knob to the temperature you wish to use.
- The thermostat indicator will come on to show that the oven is heating, and once the temperature is achieved, it will go out.
- To switch off the main oven, simply turn the control knob back to the '●' position.
- The cooling fan will come on during use, and may continue to run for some time afterwards.

i **Important:** Never place food, or dishes on the base of the main oven, the element is here and it will cause over heating.

i **WARNING:** Accessible parts will become hot when in use. To avoid burns and scalds children should be kept away.

i During use, the appliance becomes hot. Care should be taken to avoid touching heating elements inside the oven.

Using Your Fanned Oven (if fitted)

The main oven may be controlled by the programmer (see The Programmer/Clock for details).

The programmer, if fitted, must be set to manual before it can be used, or programmed.



Important: Never place food, or dishes on the base of the main oven, the element is here and it will cause over heating.

Switching on the fanned oven

- Use the main oven control to turn your oven on, and select your temperature.
- The thermostat indicator will come on to show that the oven is heating, and once the temperature is achieved, it will go out.
- To switch off the main oven, simply turn the control knob back to the '●' position.
- The cooling fan will come on during use, and may continue to run for some time afterwards.

Oven & Grill Functions

The chart below details all of the functions which are available. Your oven may not have all of the functions shown here.

Main Oven Function		Recommended Uses
	Base Heat Only	Used to finish off the bases of food following cooking using the conventional or fanned modes. The base heat can be used to provide additional browning for pizzas, pies and quiche. Use this function towards the end of cooking.
	Top Heat Only	The heat is ideal from browning off the tops of food as it is not as fierce as the grill following conventional or fanned cooking. Provides additional browning for dishes like Lasagna or Cauliflower cheese. Use this function towards the end of cooking.
	Conventional Oven	This function is ideal for traditional roasting. The meat is placed in the middle of the oven, roast potatoes towards the top.
	Intensive Bake	Suitable for food with a high moisture content, such as quiche, bread and cheesecake. It also eliminates the need for baking pastry blind.
	Fanned Grill	The fan allows the heat to circulate around the food. Ideal for thinner foods such as bacon, fish and gammon steaks. Foods do not require turning. Use with the oven door closed.
	Fanned Oven	The even temperature in the oven makes this function suitable for batch baking, or batch cooking foods.
	Defrost	To defrost foods, such as cream cakes/gateaux, use with the oven door closed. For cooling dishes prior to refrigeration, leave the door open.
	Dual Grill	This function cooks food from the top and is ideal for a range of food from toast to steaks. As the whole grill is working, you can cook larger quantities of food.
	Single Grill	For smaller quantities of food, but is still ideal for anything from toast to steaks.
	Base Heat with Fan	Used to cook open pies (such as mince pies) the base element ensures that the base is cooked while the fan allows the air to circulate around the filling - without being too intensive.
	Lights only	Use when the oven is switched off and cold to aid cleaning the oven cavity.

Fanned Oven Guide

- Some adjustment will have to be made to conventional cooking temperatures.
- The table below shows conventional cooking temperatures, fanned temperatures and gas marks.
For optimum results using the fanned oven setting, conventional temperatures need to be converted to the fanned oven temperatures.
- For example an item which would cook at 180°C will now cook at the fanned oven temperature of 160°C.
- This is a high efficiency oven, you may notice an emission of steam when the door is opened.
- When cooking chilled or frozen foods, use the recommended cooking times and temperature on the packaging. Always make sure the food is piping hot throughout before serving.
- There are no zones of heat, and no flavour transfer when using a fanned oven - allowing you to cook a greater variety of foods together.
- If you are cooking on more than one shelf, you may need to slightly increase the cooking time.
- Always make sure that there is enough space between dishes, to allow food to rise, and to air to circulate.

Conventional temp (°C)	'A' Efficiency oven - Fanned (°C)	Gas mark
100	100	1/4
110	110	1/4
130	120	1/2
140	130	1
150	140	2
160	150	3
180 - 190	160	4 - 5
200	170	6
220	180	7
230	190	8
250	200	9

Cooking Guide

Pre-heating

To get the best results from your oven, we recommend pre-heating for around 5 to 15 minutes before placing your dishes in. This is especially important for items which are chilled, frozen, batter based, yeast based or whisked sponges.

If you are using a fanned function, you should still pre-heat but for a shorter time.

The items in the cooking guide below are based on a pre-heated oven, but can be adjusted to take into account personal taste.

Oven and bakeware

Always use high quality trays and tins for cooking. Poor quality tins and trays can warp in the oven producing uneven results.

Never use dishes which are cracked, damaged or not oven proof as heating may lead to shattering inside the oven.

Food Type	Temp. Setting °C			Time Approx.	Shelf Position
	Conv 	Fanned 	Intensive 		
Cakes					
Small cakes	190	160	-	15 - 25	7 & 13
Victoria sandwich	180	160	-	20 - 30	7
Semi rich fruit cake	150	125	-	2 1/2 - 3hrs	5
Christmas cake	150	125	-	2 1/2 - 3hrs	3
Puddings					
Bread & butter pudding	170	150	-	45 - 1hr	9
Fruit crumble	200	175	-	40 - 1hr	9
Miscellaneous					
Yorkshire pudding: large	220	200	200	40 - 45	11
small	220	200	200	15 - 20	12
Shortcrust pastry	200	180	180	depends on filling	top - middle

Roasting Guide

- Roasting times depend on the weight, shape and texture of the meat and personal preference. In order to calculate the roasting time, weigh the meat or poultry, including the stuffing, and follow the times given below.

Meat joints (including chicken) should be roasted at 180 - 200°C Conventional/ 160 - 180°C Fanned for 20 - 30 mins per 450g/1lb, plus 20 minutes on shelf position 2.

- Frozen meat must be thoroughly thawed before cooking. For large joints, it is advisable to thaw overnight.
- Frozen poultry must be thoroughly thawed before cooking. The time required depends on the size of the bird - eg: a large turkey may take up to 48 hours to thaw.
- When cooking stuffed meat or poultry, calculate the cooking time from the total weight of the meat plus the stuffing.
- Cooking joints in foil, covered roasters, lidded casseroles, or roasting bags will help to reduce meat shrinkage, give a more moist result and may reduce fat splashing. However, a slightly longer cooking times will be required, add 5 - 10 minutes per 450g (1lb) to the calculated cooking time. When using roasting bags do not exceed the temperatures recommended by the manufacturer, and do not allow the roasting bag to touch the sides or top of the oven.
- Use of a trivet with the roasting tin will reduce fat splashing during open roasting, and will help to keep the oven interior clean.
- The use of a roasting tin larger than that supplied is not advised, as this may impair performance and lead to extended cooking times.

Roasting Guide

Roast turkey

- Roasting turkey perfectly involves cooking two different types of meat - the delicate light breast meat, which must not be allowed to dry out, and the darker leg meat, which takes longer to cook.
- The turkey must be roasted long enough for the legs to cook, so frequent basting is necessary. The breast meat can be covered once browned.

Turkey should be roasted at 180 - 200°C Conventional/ 160 - 180°C Fanned for 20 - 30 mins per 450g/1lb, plus 20 minutes.

- The turkey can be open roasted, breast side down, for half of the cook time, and then turned over for the remainder of the cooking time.
- If the turkey is stuffed, add 5 minutes per 1lb to the cooking time.
- If roasting turkey covered with foil, add 5 minutes per 1lb to the cooking time.
- To test if the turkey is cooked, push a fine skewer into the thickest part of the thigh. If the juices run clear, the turkey is cooked. If the juices are still pink, the turkey will need longer cooking. Always make sure that the turkey is cooked properly before serving.

Turkey Roasting times.

Most Turkeys are measured by the kilogram. Timing should be calculated in either of these ways:

40 minutes per 1kg plus 10 minutes per 1/4 kg.

or

20 minutes per 1lb, plus 20 minutes.

The maximum size Turkey for this appliance is: 20lbs approximately 9kgs.

Please do not attempt to roast a Turkey larger than this, as the results cannot be guaranteed.

General Baking Guide

Trouble-shooting - Fruit Cakes

PROBLEM	POSSIBLE CAUSE
Fruit sinking to the bottom	Low oven temperature which may cause the cake to take longer to set, allowing the fruit to sink. Or, too much liquid, or raising agent. The fruit may not have been properly washed and dried.
Cake sinking / dipping in the centre	Too much raising agent in the mixture. Too hot, or too cool an oven. Or, not enough liquid or insufficient creaming.
Surface cracks	Too small a tin, or too much mixture in the tin. Too much raising agent in the mix, plus not enough liquid or insufficient creaming. The oven may be too hot.
Hard outer crust with a damp patch inside	Oven too hot, therefore the cake baked too quickly. Too much sugar, or insufficient liquid.
Burnt outside	Oven temperature too high. Oven too small for the size of cake. Insufficient protection around the tin. Cake baked on too high a shelf.
Texture with pronounced holes.	Too much raising agent. Flour unevenly mixed.
Texture too close and cake insufficiently risen.	Not enough raising agent. Not enough liquid. Too cool an oven. Insufficient creaming.
Cake crumbles when cut	Not enough liquid. Baked for too long. Not enough sugar. Too much baking agent.
Too dry	Over baking. Insufficient egg or liquid. Too much raising agent.

Trouble-shooting - Sponge Cakes

Domed top	Insufficient creaming of mixture. Cake baked on too high a shelf position, or at too high a temperature. Paper liners can cause the outer edge not to rise and the centre to peak.
Hollowed / sunken top	Too much raising agent. Oven temperature too low, or incorrect shelf position. Cake removed from oven before it's cooked. Use of soft tub margarine.
Very pale, but cooked	Oven temperature too low. Baked too low in the oven
Overflowing tin	Tin too small for the amount of mixture

Using Your Slow Cook Oven (if fitted)

Introduction

One of your oven compartments is an electric oven which provides a gentle heat suitable for slow cooking or keeping food warm. The slow cook element is positioned in the base of the lower compartment - always make sure that the cooking pot is placed centrally on the base of this compartment.

- Do not use the compartment to store food or canned items.

Cooking times

The cooking time varies according to the type of food being cooked, and experience will show how long foods should be cooked for, according to personal taste and preference.

In general foods should be cooked for at least 5 hours, and may be left up to 8 - 10 hours without spoiling if covered. Foods cooked using the slow cook oven will take about three times longer than they would in a conventional oven.

Utensils

Any oven proof utensils may be used for slow cooking - provided they have a close fitted lid.

To rectify a badly fitting lid a piece of cooking foil may be placed over the dish, under the lid.

The most useful utensils for slow cooking are the flame proof type which can be used over direct heat and for oven cooking, and are sufficiently attractive to use as serving dishes.

Benefits of Slow Cooking

Slow cooking has always been the best way to prepare hot meals with the minimum of preparation and maximum time away from the kitchen.

The advantages of slow cooking are as follows:

- Food can be left to cook unattended for several hours and will keep hot for several hours if left covered.
- Inexpensive cuts of meat become deliciously tender when slow cooked. There is also a reduction in meat shrinkage.
- Dishes such as soups, vegetables, puddings, savoury dishes and preserves are also suitable for slow cooking.
- There is no topping up of steamers, steam filled kitchens or constant checking to do.

Using Your Slow Cook Oven (if fitted)

Keeping food warm

Turn the oven control knob to the on position, and place the food in the oven. If food is to be kept moist then it is important to cover the dish or plate to prevent food from drying out. This can be done using aluminium foil if the dish does not have a lid.

- Do not use cling film to cover food.
- Some foods are best left uncovered if you wish to keep the food dry and crisp.
- Do not add gravy to plated meals until serving.
- Carved meat should be placed on one plate and covered, adding just one tablespoon of gravy to keep it moist.
- When keeping plated meals warm it is recommended that the food is placed on hot rather than cold plates.

Slow Cooking

Turn on the slow cook oven and place the prepared cooking pot centrally on the base of the oven. Follow the guide lines for the best results.

- The maximum capacity of ovenproof dishes should be no more than 2.5 litres (4.5 pints). Please note: The more you fill the dish/pot the longer it will take to cook.
- All meat and poultry recipes need a minimum of 5 hours to cook.
- Make sure all frozen ingredients are well thawed out.
- Cut root vegetables into smaller pieces as they take longer than meat to cook. If possible they should be sauteed for 2 - 3 minutes before slow cooking.
- Ensure that root vegetables are always at the bottom of the pan immersed in the cooking liquid.
- A meat thermometer should be used when cooking pork joints and poultry. The internal temperature of the food should reach 88 °C,
- Stuffed meat or stuffed poultry should not be slow cooked. Cook any stuffing separately.
- Cover casseroles with a lid, or foil to prevent loss of moisture.
- Adjust seasoning and thickening at the end of cooking time.
- Opening the door during cooking, leads to heat loss, and will lead to increased cooking times.

Cleaning Your Electric Hob

Ceramic glass hobs (if fitted)

- The ceramic hotplates, and hob top can be cleaned using a clean, damp cloth or kitchen paper. Please ensure that the elements are cooled fully to avoid steam burns.
- You can use a specialist ceramic cleaner to restore the surface, but use sparingly to avoid coating the hob top too thickly, too much cream cleaner will lead to discolouration. Use a dry, clean cloth to polish the surface.
- For stubborn marks, a little cream cleaner and a specialist hob scraper can be used.
- Do not use steam cleaners.
- Regular cleaning will prevent any salts or minerals from accumulating on your hob and discolouring the glass.

Solid plate hobs (if fitted)

- Prime and Season - this helps maintain the finish of the elements.
- Use a damp, clean cloth to wipe the solid plate, making sure that you follow the circular grooves and avoid damaging the 'red spot(s)'. Make sure that you allow the hotplate to dry before use by switching on the elements at a low heat.
- You can restore the hotplates by using a solid plate cleaner.

Plastic & Painted parts

- Only use a clean cloth wrung out in hot soapy water.

Vitreous enamel surfaces (enamel hobs only)

- Use a mild cream cleaner on a clean cloth.

Stainless steel & Aluminium surfaces

- Only use a clean cloth wrung out in hot, soapy water.
- Stubborn marks can be removed by using a specialist cleaner, we also recommend that you clean the whole area, to maintain a uniform finish.
- Some foods are corrosive, eg: vinegar, fruit juices and especially salt, these can damage and leave marks on the surface. Wipe any spillage of these substances as safely, and as quickly as possible.
- Do not use steam cleaners



Always allow your appliance to cool down, and switch off the electricity before you clean any part of it.



Take care when cleaning over symbols on fascia panels, excessive cleaning can lead to the symbols fading.



Keep a separate cloth aside for cleaning your glass hob - this will prevent greases being transferred which can cause discolouration of the glass surface.

To prime: Switch on each element in turn for a short while (with no pan on it) at a medium - high setting. This will harden and burn off the coating.

To season: Heat the element for 30 seconds at a medium setting then switch off. Use a minimum amount of unsalted vegetable oil on a dry cloth or paper towel, and apply a thin coat of oil to the element surface.

Wipe off the excess and heat the element for 1 minute.



Baby oil can be used to restore stainless steel finishes - but only use a few drops. Don't use cooking oils as they can contain salts which will damage the metal.



Don't use:
Abrasive powder cleaners, wire wool, soap filled wire pads, detergents, bleaches, bath stain remover or chemical oven cleaners.

Cleaning your Cavities

Cleaning the oven cavities

- Some foods can cause fat to spit, especially if you have open roasted, this leaves the inside of the cavity greasy.
- It is important to clean the oven cavity as a build up of fat can damage the appliance and may invalidate your guarantee.

Chrome plated parts.

- Use a moist soap filled pad, or place in a dishwasher.
- Shelf runners can be removed to enable you to clean then thoroughly. Make sure they are cool to touch and then grasp the runners and slide out of their hanging holes.

Pristine enamel surfaces

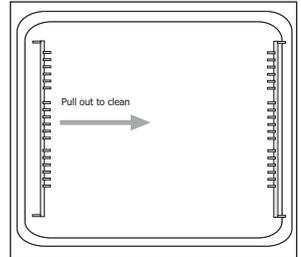
- The enamel can be cleaned by wiping the surfaces with a clean cloth which has been wrung out in hot, soapy water.
- If larger splashes of fat do not readily disappear, you can use a mild cream cleaner to remove them. More stubborn marks can be removed using a soap filled pad.
- Rinse well, and allow to dry before use.

Vitreous enamel surfaces

- The enamel can be cleaned by wiping the surfaces with a clean cloth which has been wrung out in hot, soapy water.
- Stubborn marks can be cleaned using a moistened soap filled pad, or a mild cream cleaner.
- Rinse well, and allow to dry before use.



Always allow your appliance to cool down, and switch off the electricity before you clean any part of it.



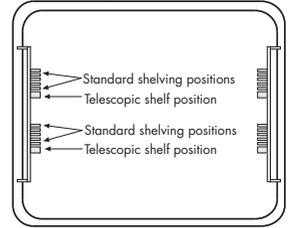
Don't use: Caustic or abrasive cleaners, bleaches, coarse wire wool or hard implements, these will damage your appliance.



Using a trivet while roasting meat may help to reduce fat splashes.

Telescopic Shelving System (if fitted)

- In addition to the traditional shelving fitted into your appliance, the telescopic shelving system is fitted in the most commonly used location in your cavity.
- The shelves with the telescopic system are easier to pull out than traditional shelving, which means the oven door stays open for a shorter period of time. The smooth action also reduces the likelihood of fat, or food, spillage, and gives you extra security.
- You do not have to use the telescopic shelves all of the time, you can place the shelves in the traditional positions if you would like more choice.
- The telescopic shelves remove easily from the runner for re-positioning or cleaning, but we recommend that you reposition your shelving before cooking, and remove the shelving for cleaning when the shelves are cold to prevent burning yourself.

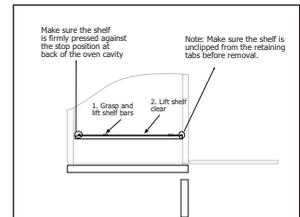


To remove the telescopic shelves

- Make sure the shelf is cool enough to touch.
- Push the oven shelf back into the cavity, until it hits the stop position.
- Grasp the shelf bars in the centre, and lift the back of the shelf clear of the stop position.
- You can then lift the front of the shelf clear of the retaining tabs.

To replace the telescopic shelves

- Make sure the oven runners are pushed all the way back into the cavity.
- Tilt the shelf and make sure the front of the shelf is against the stop position.
- Carefully place the shelf back onto the runner and snap in place firmly.
- Make sure the back of the self is inside the retaining tabs and slide it in and out of the oven to make sure it works correctly.



Standard shelves

- Standard shelves are removed by pulling them straight out towards you and are replaced by sliding them straight into the oven to the back of the cavity.
- These shelves can be cleaned in the dishwasher.

Cleaning your Appliance

Painted & Plastic parts

- Only use a clean cloth wrung out in hot soapy water.
- Do not use abrasive cleaners, such as "Cif", wire or nylon cleaning pads on these parts.

Stainless steel & Aluminium surfaces

- Only use a clean cloth wrung out in hot soapy water, and dry with a soft cloth.
- Stubborn marks can be removed using a stainless steel cleaner. Supplies can be purchased from the Customer Care Centre.
- Sharp objects can mark the surface of stainless steel, but will become less noticeable with time.
- Wipe any spillage immediately, taking care to avoid burning your hands.
- Some foods are corrosive eg; vinegar, fruit juices and especially salt - they can mark or damage the metal if they are left on the surface.

Enamel surfaces & parts

- Clean with warm, soapy water and a clean cloth.
- Dry with a soft clean towel or cloth.
- Do not use steam cleaners.

Glass parts

- Only use a clean cloth wrung out in hot soapy water, or a specialist glass cleaner.
- Rinse away any excess cleaner and dry with a soft cloth.
- Do not use abrasives or polishes as they will scratch and damage the glass.
- The inner door glass panel can be removed for cleaning but it must be replaced the right way up. If there is any writing on the glass, you must be able to read it clearly when the cavity doors are open.
- Always make sure that the glass is pushed fully into the Stop position.
- To remove the glass panel, open the door wide, hold the top and bottom edges and slide out.
- Warning: *Do not* operate the appliance without the glass panel correctly fitted.
- DO NOT use harsh abrasive cleaners or sharp metal scrapers to clean the oven door glass since they can scratch the surface, which may result in shattering of the glass.



Always allow your appliance to cool down, and switch off the electricity before you clean any part of it.



Take extra care when cleaning over symbols on fascia panels, excessive cleaning can lead to the symbols fading.



Baby oil can be used to restore stainless steel finishes - but only use a few drops. Don't use cooking oils as they can contain salts which will damage the metal.



Don't use: undiluted bleaches, products containing chlorides or abrasive cleaners on aluminium or stainless steel, they can damage the appliance.

Glass door panels

For your safety, glass door panels are made of toughened glass. This ensures that, in the unlikely event that a panel breaks, it does so into small fragments to minimise the risk of injury.

Please take care when handling, using or cleaning all glass panels, as any damage to the surfaces or edges may result in the glass breaking without warning or apparent cause at a later date.

Should any glass panel be damaged, we strongly recommend that it is replaced immediately.

Cook Shop

To order or enquire about any of these products, please call the Spares Sales team on:
1300-556-816 - AUS
09-2748265 - NZ

Product description	Product code	Quantity	Where used
Rectangular carbon filters	082612620	2	Hoods
Round carbon filters	082611571	1	Hoods
Ceramic hob scraper kit	082606781	1	All ceramic glass hobs including induction.
Ceramic hob cleaner and conditioner	082606780	1	All ceramic glass hobs including induction
Sealed hotplate conditioner	082606783	1	All sealed / solid plate hobs.
Stainless steel cleaner	082606764	1	All stainless steel parts
Oven cleaner spray	082606786	1	All cookers, inside cavities and on glass.
Multi-purpose kitchen cleaner	082606782	1	General kitchen cleaner.
E-cloth	082813300	1	All cookers, for cleaning glass and stainless steel

Before you call. .

Problem?	Advice
There's condensation on the doors.	<p>Condensation is caused by hot, moist air meeting a cooler surface (i.e. the oven door). You cannot always prevent it, but you can minimise it when it happens by doing the following:</p> <ul style="list-style-type: none">● Pre-heat the oven at a high temperature before putting food in the oven, and cover the food you are cooking wherever possible.● Whenever you can, cook wet foods at higher temperatures.● Don't leave food in the oven to cool down. <p>Automatic cooking will normally produce condensation when the oven is cooling down with food inside.</p>
There's been a power failure and the oven won't work. (models with clocks and automatic programmers)	<ul style="list-style-type: none">● Switch off the electricity supply.● When the power returns - re-set the programmer/Clock to the correct time of day. <p>This will allow you to use your appliance.</p>

Changing Light Bulbs

Warning: There is a risk of electric shock, so always make sure you have turned off and unplugged your appliance.

Not all appliances have the same number and type of bulbs. Before replacing your bulb, open the top/main oven door and see which type you have. Then use the table to help you change your bulb correctly.

Please remember that bulbs are not covered by your warranty.

Bulbs can be purchased from hardware stores (always take the old bulb with you).

No. of lamps	Bulb Location	Oven type	Instruction for changing the bulb
2 (@25W)	side	All	Wait until the oven is cool, then remove the oven shelves. Grasp the lens cover on the light fitting and pull it away from the side of the oven. Unscrew the bulb.
1 (@25W)	rear	Fanned / Multifunction	Wait until the oven is cool, then remove the shelves. The oven light is at the rear of the oven cavity. Remove the loose oven back - unscrew the 4 securing screws (one at each corner). Unscrew the lens cover (turn anticlockwise). Unscrew the bulb and replace. Replace lens cover and replace oven back.
1 (@25W)	rear	Conventional	Wait until the oven is cool, then remove the oven shelves. The oven light is at the rear of the oven cavity. Unscrew the lens cover (turn anticlockwise). Unscrew the bulb and replace. Replace lens cover.

There is no need to remove the oven back on the 90E model.

Installing Your Cooker

Always make sure that your appliance is fitted correctly, by a competent electrician. This is a type X appliance regarding installation requirements, and must be earthed.

Before you start

- Always make sure that you have carefully read through the installation pages of this book - careful planning at the beginning will ensure a quick and easy installation.
- Take care when moving this appliance, it may be heavier than it looks! If you need to lift the appliance, make sure you use an appropriate lifting method.
- Soft, or uneven flooring may be damaged unless the appliance is moved with care.
- Do not attempt to move the cooker by pulling on the handles or doors, we recommend that you open the door and grasp the frame of the cooker. Please wear protective gloves for this, and make sure the door cannot trap your fingers.

Please make sure that you have enough space for your appliance. Clearances and more installation details are given on the following page.

This appliance should NOT be installed on a base or platform.

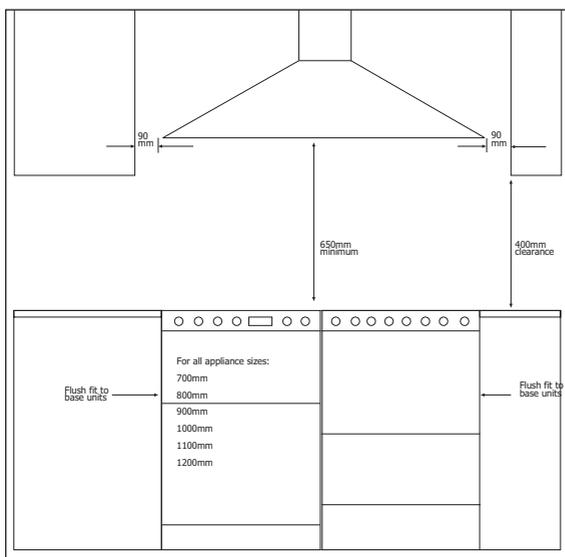
Data Label - Make sure that the voltage and capacity of the power supply are in accordance with the data label adhered to the appliance. DO NOT remove the data label for any reason.

Installing Your Cooker

Clearances

This cooker may be fitted flush to the base units of your kitchen.

- No shelf, overhang, cupboard, or cooker hood should be less than 650mm above the hob top, but please check this with the hood manufacturers instructions.
- If your appliance has a side opening door, we recommend a side clearance of 60mm to allow the oven door to fully open.
- The cooker must have a side clearance above hob level of 90mm up to a height of 400mm.
- The important dimensions are those around the appliance.



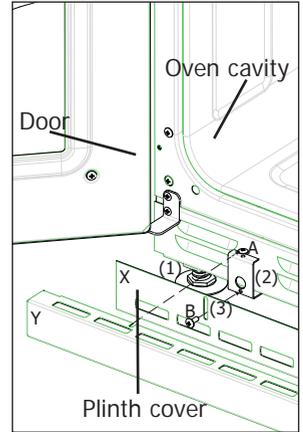
Installing Your Cooker

Fitting the plinth (if applicable)

- Make sure the appliance is raised to a height of 915mm or above before beginning. If the appliance is below 915mm - you can only fit the plinth cover labelled X. You can adjust the height using the feet (1) of the appliance.

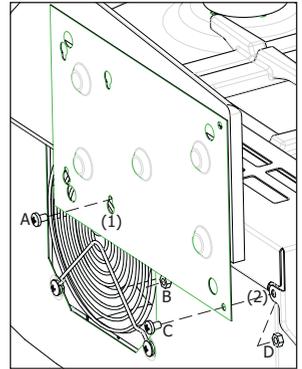
If your appliance has a storage drawer at the bottom, you access the required holes through the base of the drawer after lifting the mat.

- Open the appliance doors, and loosen screw A located on bracket (2). Do not remove this screw entirely.
- Insert screw B, through slot (3) and screw into the small hole at the bottom of bracket (2). Make sure that the plinth cover is flush to the appliance, but not over tightened.



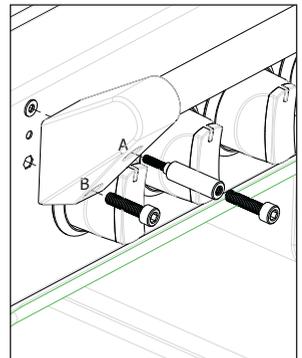
Fitting the splashback (if applicable)

- loosely fit screw A and nut B into hole 1 at both ends of the rear surface of the appliance.
- Locate fitted screw A through the slots in both of the metal splashback plates.
- Tighten screw A and nut B.
- Now locate and tighten screw C and nut D through hole (2) at both ends of the rear surface of the appliance. Make sure that the splashback is securely attached, but avoid over tightening.



Fitting the towel rail (if applicable)

- On the towel rail there are two hole, top (A) and bottom (B), these holes have corresponding holes on the fascia at each end.
- The screw for the top hole (A), must be screwed into the supplied adaptor, whereas the remaining screw just goes through the bottom hole (B). Both screws are M6 screws. Using the allen key provided, tighten the screws making sure that the towel rail is flush to the fascia, but not over tightened.



Installing Your Cooker

Stabilising and Securing

Your cooker may come with a stability chain, if it does not we recommend that you buy a stability bracket from your local supplier, this will keep the cooker from moving and will prevent damage to the flexible hosing at the back of the cooker.

Your stability chain

Your cooker must be secured to a wall or a solid partition behind the cooker.

Your stability bracket

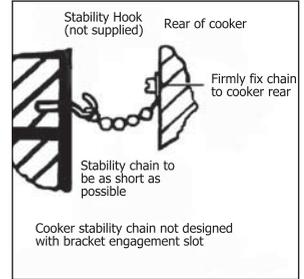
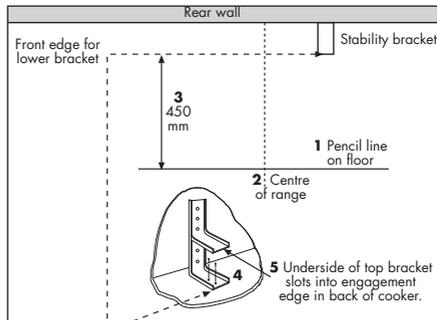
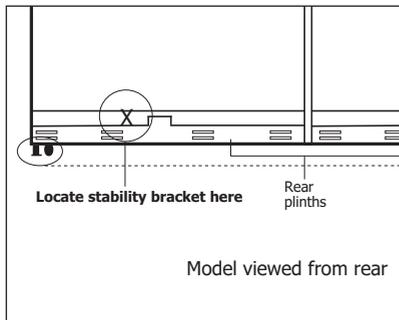
You can buy a stability bracket from your supplier and it can fitted as follows:

- Place the cooker in position and draw a pencil line level with the front edge.
- Remove the cooker and mark off 450mm from the pencil line to locate the front edge of the lower bracket.
- Fix the bracket to the floor. Measure from floor level to engagement edge in the back of the cooker and add 3mm.
- Assemble the underside of the top part of the bracket to this height.
- See the drawings for the location of the bracket and the recommended positioning.

Levelling

Once your cooker is secure:

Place a spirit level onto a baking tray, on an oven shelf. These cookers are fitted with adjustable feet which will allow you to adjust the height of the appliance until it is level. The adjustable feet are at the rear of the cooker.



WARNING: In order to prevent accidental tipping of the appliance, for example by a child climbing onto the open door, the stabilizing means must be installed.

Installing Your Cooker

Connecting the electricity supply

- For your own safety, we recommend that your cooker be installed by an authorised person. The cooker should be installed in accordance with AS/NZS 3000:2007.
- Ensure that you route all mains electrical cables well clear of any adjacent heat source, such as an oven or grill.
- Where a fixed connection is used, a device allowing the appliance to be isolated on all poles from the mains supply with a contact opening width of at least 3mm must be provided.
- After connection to the electricity please check that all electrical parts are working.
- The maximum power rating is specified in the Technical Data section of this handbook, and also on the Data Badge on the appliance.
- Sufficient cable should be used to allow the cooker to be pulled out, but must hang clear of the floor so it does not become twisted or trapped when the cooker is pushed back.

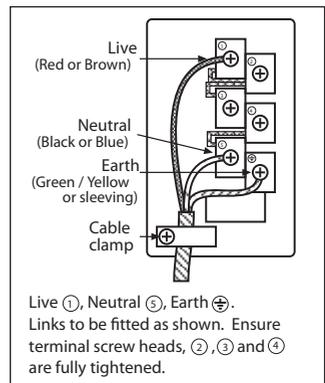
Terminal Block - type A

- Access to the mains terminal is gained by opening the terminal block cover at the rear of the appliance - use a flat bladed screw driver for this.
- Connection between the consumer unit (45A MCB/Fuse) and the cooker control unit should be made with 10mm² cable.
- Connection between the cooker control unit and the appliance should be made with a 6.0mm² twin and earth cable.
- First strip the wires. Then push the cable through the cable clamping the terminal block cover.
- Connect the cable to the terminal block and tighten the cable clamp screw - see diagram.
- Close the terminal box, ensuring that the cover is engaged on the locking tabs.

Equipment you will need:
Flat bladed screw driver

WARNING: THIS APPLIANCE MUST BE EARTHED!

Warning: If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

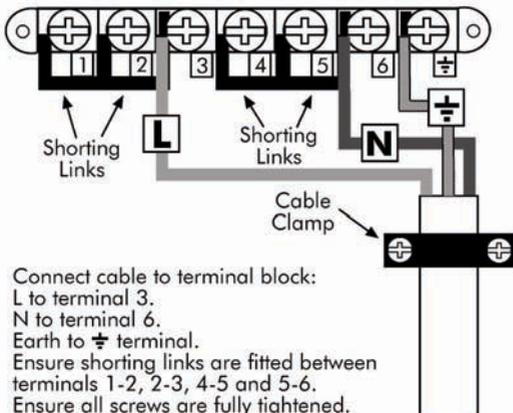


Installing Your Cooker

Terminal Block - type B

- This appliance must be fitted using a double pole unit of 45 ampere minimum capacity with 3mm minimum contact at all poles.
- Access to the mains terminal is gained by removing the terminal block cover at the rear of the appliance.
- Connection should be made with a 10.0mm² twin and earth cable.
- First strip the wires then push the cable through the cable clamp.
- Connect the cable to the terminal block and tighten the cable clamp screws - see diagram.
- Refit the terminal box cover.
- Sufficient cable should be used to allow the cooker to be pulled out, but must hang clear of the floor so it does not become twisted or trapped when the cooker is pushed back.

Please ensure that the user has this copy of the handbook, and the appliance is in place. Thank you.



Technical Data - Notes

Fuel Type	Hotplate Burner / Element	kW Rating
Ceramic - electric	Hob - Small	1.1kW
	Hob - Small	1.1kW
	Hob - Medium	1.4kW
	Hob - Large	1.7kW
	Hob - Large	1.7kW
	Hob - Warming zone	0.1kW
	Hob - Dual zone:	
Single	0.7kW	
Single DB4 90E only	0.6kW	
Dual	2.0kW	

Fuel Type	Multifunction oven	Fanned oven	Dual Variable grill (90 size)	Dual Variable grill (110 size)
Electric @ 230V	2.3kW	2.3kW	1.7 - 2.5kW	1.7 - 2.6kW
Slow cook oven (if fitted)	Oven lamps	Single Variable grill (90 size)		
0.16kW	25W each	1.7kW DB4 only		
Appliance size	110cm	90cm		
Maximum load	16485W	14730W 13950W - DB4 90E only		

Contact Us

Calling for a service

If you should experience any problems with your cooker please contact your retailer or place of purchase.

Important note:

Service work is to be conducted by authorised persons only. It is also advisable that your cooker is checked regularly and maintained in good condition. An annual maintenance is recommended.

Always check the instruction book before calling a service agent to make sure you have not missed anything.

Glen Dimplex Pty Ltd Customer Care:

TEL: Australia 1-300-556-816

New Zealand 09-2748265

Before you contact a service agent, make sure that you have the following information to hand:

Model Number

Serial Number

Date of Purchase

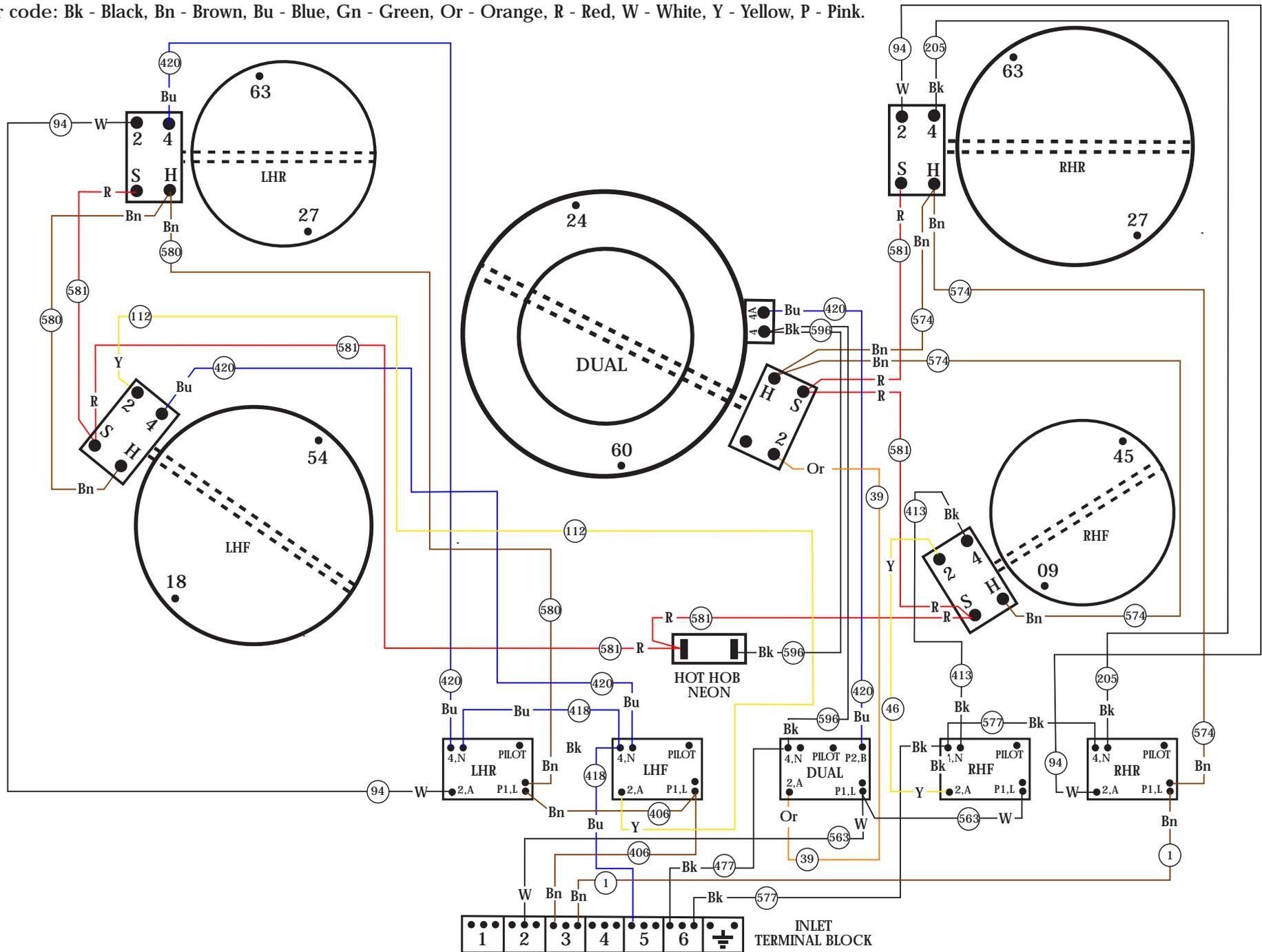
Postcode

08 27474 00 01.2010

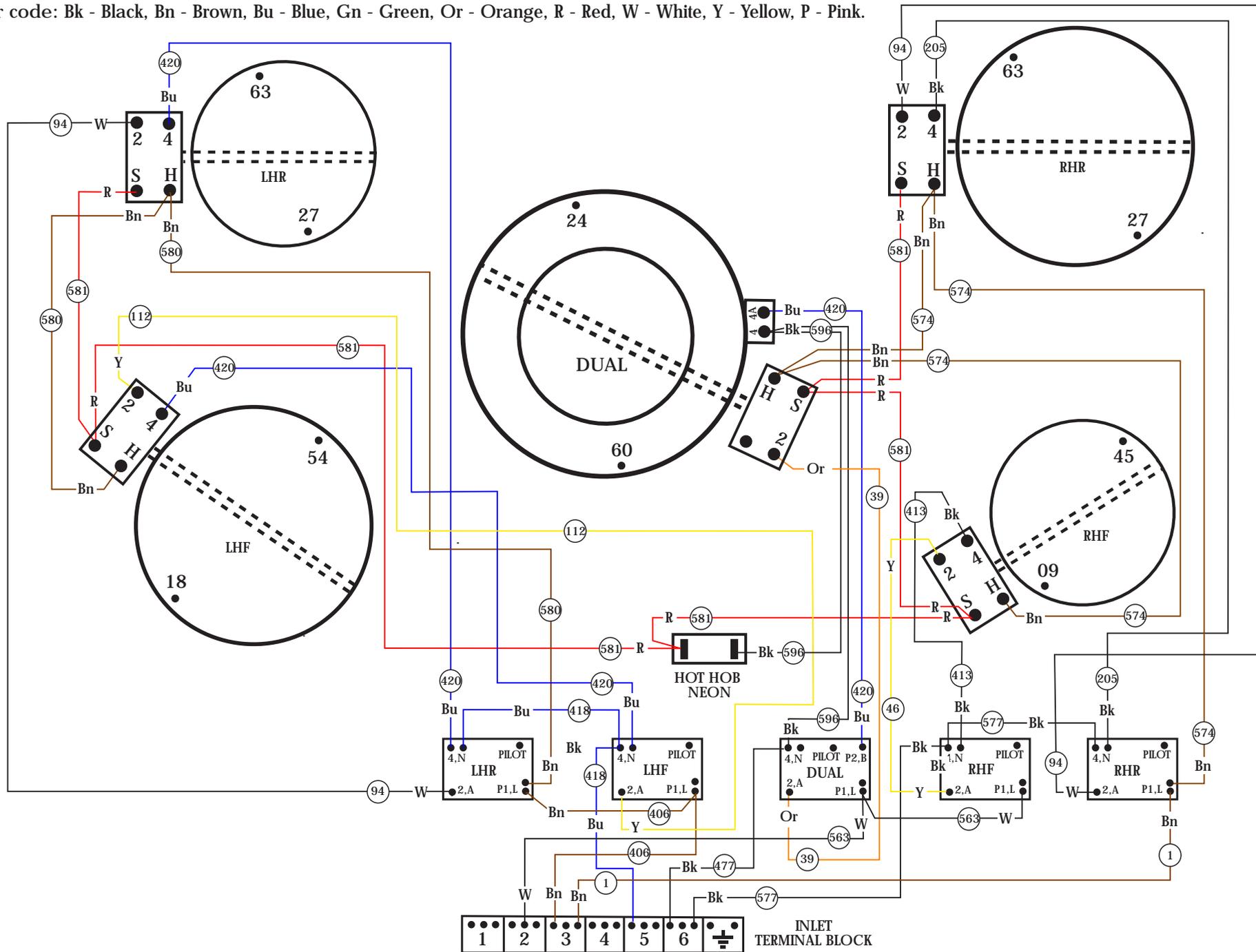
Electric Range

Model Name - Belling DB4 90E-AU

Wiring colour code: Bk - Black, Bn - Brown, Bu - Blue, Gn - Green, Or - Orange, R - Red, W - White, Y - Yellow, P - Pink.



Wiring colour code: Bk - Black, Bn - Brown, Bu - Blue, Gn - Green, Or - Orange, R - Red, W - White, Y - Yellow, P - Pink.



PRODUCT: BEL DB4 90E-AU Blk 900
 COLOUR: Black
 CODE: 444440348
 ISSUE:
 DATE:



Key	Product	Product Description	TCO	Replace	Date	Qty
	073103233	CHASSIS rg 90 e				1
00358	602925401	FRONTFRAME 50 std mot				1
00783	082360801	SLEEVE silicone (black)				1
0211	082291500	COVER flue vent				1
0211	082291500	COVER flue vent				1
0314	082233400	FAN cooling DP203A-2123LST-C31				1
0349	081830501	FOOT levelling long				6
0557	082044000	LOCKNUT foot				6
0695	562857200	PLINTH 90 blk				1
0728	080180668	SCREW m4x23mm c/sk p/dr mch				2
0880	082914200	SWITCH thermal cutout L120C				1
0882	082808903	SWITCH thermal brown 80c				1
	073103434	MAIN OVEN rg 50 df fan light				1
0108	081586001	BUSH cavity support				2
0210	601588723	FANCOVER 50 flue lamp mot				1
0294	082971302	ELEMENT oven fan 20.35719.010				1
0315	081581800	FAN oven circulation				1
0544	926016900	LAMP assy oven				1
0728	080180676	SCREW m6x30 pp mc				2
0734	081797200	SEAL main ov 550HL KB				1.5
0791	082554300	SPACER oven fan				3
0880	081545403	SWITCH thermal cut-out 150c				1
0881	082558101	SWITCH m/ov 42.02400.008				1
0912	082558001	THERMOSTAT EGO 55.17069.090				1
	073103628	TOP GRILL rg 50 df single vg				1
0108	081586001	BUSH cavity support				2
0287	082971400	Element gr/single 20.35720.000				1
0705	082590800	REGULATOR energy MP V01SV				1
0728	080180676	SCREW m6x30 pp mc				2
0733	081797201	SEAL grill KB				1.2
0876	082578200	SWITCH door ROLD				1
	073110700	TALL OVEN rg 40 fan				1
0108	081586001	BUSH cavity support				4
0210	602598705	FANCOVER 60 flue mot				1
0210	602598701	FANCOVER 60 mot				1
0294	082971300	Element oven fan 20.35718.000				1
0315	081581800	FAN oven circulation				1
0544	926016900	LAMP assy oven				1
0637	012472900	TUBE flue assy				1
0728	080180676	SCREW m6x30 pp mc				4
0734	081797200	SEAL main ov 550HL KB				1.9
0791	082554300	SPACER oven fan				3
0880	081545403	SWITCH thermal cut-out 150c				1
0881	082558101	SWITCH m/ov 42.02400.008				1
0912	082558001	THERMOSTAT EGO 55.17069.090				1
	073103823	HOB MECH 90 e				1
0286	082970900	ELEMENT dual 10.51211.003/22				1
0289	082201101	ELEMENT lge 10.58111.003/22				2
0290	082200901	ELEMENT 10.54111.003/22				2
0574	083018100	NEON LIGHT hotplate				1
0574	081262000	NEON LIGHT HOTPLATE CO430FMNAA				1
0705	082590900	REGULATOR energy MPA-V02SV				1
0705	082590800	REGULATOR energy MP V01SV				4

PRODUCT: BEL DB4 90E-AU Blk
 COLOUR: Black
 CODE: 444440348
 ISSUE:
 DATE:

900



Key	Product	Product Description	TCO	Replace	Date	Qty
0803	082157501	SPRING element				10
	073104858	FACIA MECH rg be 90e db4 touch				1
0418	502975300	GUARD wiring				1
0917	012973100	TIMER assy 50				1
	073104010	MAIN DOOR MECH fs 50				1
0147	082533800	CATCH roller (nylon)				1
0393	082945210	GLASS inner fs 50 main				1
0458	082979700	HINGE bottom door				1
0459	082979701	HINGE top door				1
0738	080180734	SCREW m4x12 tt pcsk ch blk				4
0823	082494402	STRIKER door (silver)				1
	073104202	TOP DOOR MECH fs tc				1
0455	082905900	HINGE drop down door (Zan)				2
0738	080180734	SCREW m4x12 tt pcsk ch blk				2
0835	082963200	Counter support				2
	073110801	TALL DOOR MECH 40 rich				1
0026	082060800	BEARING door KB				2
0458	082979700	HINGE bottom door				1
0459	082979701	HINGE top door				1
0573	082859400	MAGNET				2
0599	012857300	DOOR INNER 40 tall assy mot				1
0738	080180734	SCREW m4x12 tt pcsk ch blk				4
0738	080180734	SCREW m4x12 tt pcsk ch blk				6
	073104414	FURNITURE MAIN 50 stop				1
00749	082917402	SHELF oven 500 wide 1969				2
0182	082101600	CLIP tubular				2
0420	082917304	GUIDE shelf large lh 1978				1
0421	082917305	GUIDE shelf large rh 1979				1
	073104612	FURNITURE TOP 50 stop				1
00749	082917402	SHELF oven 500 wide 1969				1
0182	082101600	CLIP tubular				2
0411	602517700	GRILLPAN std mot				1
0420	082917300	GUIDE shelf small lh 1974				1
0421	082917301	GUIDE shelf small rh 1975				1
0427	082283705	HANDLE grill pan 1041				1
0967	082518800	WIRE TRIVET grill pan 1130				1
	073111003	FURNITURE TALL 40 3shelf stop				1
0182	082101600	CLIP tubular				4
0413	082964700	GUIDE oven shelf(full dep)2530				2
0749	082964800	SHELF main oven 332mm 2529				3
	073107500	SIDE PANELS blk				1
	561776724	Outside				2
	073105575	MAIN DOOR AES rg 50 db4 lh blk				1
0247	012966506	DOOR assy 50 main lh be blk				1
0303	082557900	END CAP LH door ext Blk				1
0304	082557901	END CAP RH door ext Blk				1
0428	562985001	HANDLE door 40 bedb4 laq				1
0626	082985200	PILLAR door handle				2
0728	082406600	SCREW M4 x 60mm pozi csnk m/c				2
0790	082828801	SPACER handle 12.5mm long				2
	073106057	TOP DOOR AES rg 50 db4 blk				1
0256	012966508	DOOR assy 50 top be blk				1
0303	082557900	END CAP LH door ext Blk				1
0304	082557901	END CAP RH door ext Blk				1
0428	562985002	HANDLE door 50 bedb4 laq				1
0626	082985200	PILLAR door handle				2
0728	082406600	SCREW M4 x 60mm pozi csnk m/c				2
0790	082828801	SPACER handle 12.5mm long				2
	073110903	TALL DOOR AES rg 40 db4 rh blk				1
0247	012966510	DOOR assy 40 tall rh be blk				1
0428	562985001	HANDLE door 40 bedb4 laq				1

PRODUCT: BEL DB4 90E-AU Blk 900
 COLOUR: Black
 CODE: 444440348
 ISSUE:
 DATE:



Key	Product	Product Description	TCO	Replace	Date	Qty
0626	082985200	PILLAR door handle				2
0728	080180672	SCREW m4x50 pozi csk m/c blk				2
	073105042	HOB AES 90 e blk				1
0473	012874701	HOTPLATE glass assy 90 be				1
0730	082839501	SEAL hotplate facia				1
0959	562586609	VENT TRIM 90 st blk				1
	073106629	FACIA AES rg be 90e db4 blk				1
0300	562985101	ENDCAP facia rh blk				1
0300	562985100	ENDCAP facia lh blk				1
0319	082871609	GLASS facia				1
0527	082875105	KNOB hotplate Nic				8
0950	562984901	FACIA TRIM 90 bottom blk				1
0951	562984801	FACIA TRIM 90 top blk				1
	073111601	PLINTH cover 90 blk				1
0057	502895700	BRACKET plinth				2
0207	562895809	COVER plinth 90 blk				1
	073107059	WIRING rg 90e be single vg				1
0040	082930500	BLOCK terminal 7 pole				1
	073107678	LABELS be rg 90e-au				1
	082485900	Chain securing 600mm				1
0424	082747400	HANDBOOK Belling DB4 90E-AU				1



**GLEN DIMPLEX
AUSTRALIA PTY LTD**

BELLING

DB4 90 E

**REPAIR
AND
MAINTAINANCE**

PROCEDURES



IMPORTANT

**BEFORE CARRYING
OUT ANY SERVICING
WORK ALWAYS
DISCONNECT FROM
THE ELECTRICAL
SUPPLY**

1) REMOVING THE RH OVEN DOOR



REMOVE THE 2 SECURING
SCREWS FOR THE TOP HINGE AS
SHOWN

LIFT THE DOOR OUT OF THE
LOWER HINGE AND REMOVE

2) REMOVING THE LH LOWER OVEN DOOR



REMOVE THE 2 TOP HINGE
SECURING SCREWS

LIFT THE DOOR OUT OF THE
LOWER HINGE AND REMOVE

3) REMOVING THE LH TOP OVEN DOOR



OPEN THE DOOR FULLY
RELEASE THE 2 CLIPS AND PUSH
FULLY BACK INTO POSITION
SHOWN
CLOSE DOOR TO REST POSITION
AND LIFT TO REMOVE DOOR AND
HINGE
WHEN REPLACING ENSURE THAT
HINGES ARE FULLY ENGAGED IN
THE HINGE BUSH

REMOVING THE HINGE FROM THE DOOR

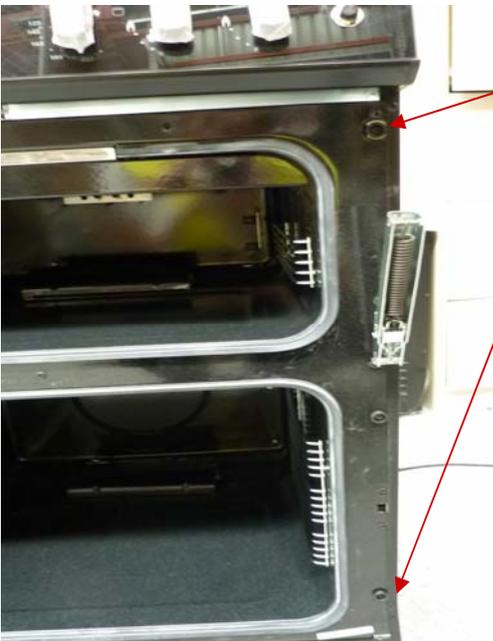


REMOVE THE 2 SCREWS AS
INDICATED
PULL THE HINGE OUT OF THE
DOOR EXTRUSION

4) REMOVAL OF SIDE PANELS



REMOVE 2X SCREWS AT REAR OF APPLIANCE



REMOVE 2X SCREWS FROM FRONT OF APPLIANCE

REMOVE SIDE PANEL

5) REMOVAL OF FACIA PANEL



CARRY OUT BOTH OPERATIONS IN STEP 4 (REMOVAL OF SIDE PANELS)

REMOVE ALL CONTROL KNOBS

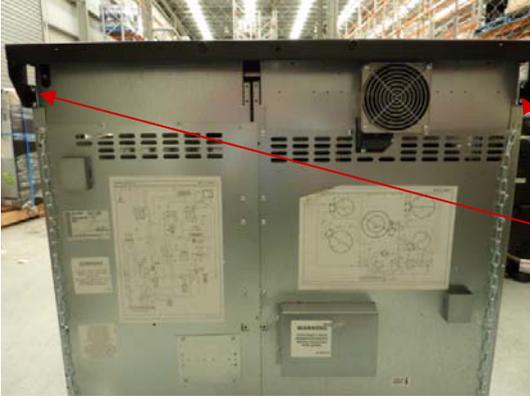
REMOVE 2 SCREWS FROM UNDERNEATH THE FACIA PANEL AS SHOWN



REMOVE 2 X SCREWS FROM EACH SIDE OF THE FACIA PANEL

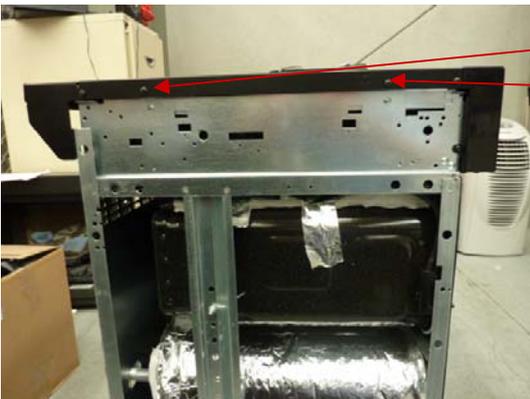
PULL THE FACIA AWAY FROM THE APPLIANCE DISCONNECT THE WIRING TO THE TIMER AND REMOVE THE FACIA COMPLETELY

6) REMOVAL OF HOB TOP

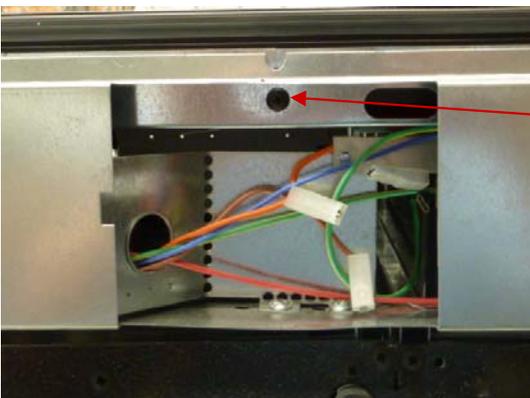


FOLLOW STEPS 4/5 AND REMOVE THE SIDE PANELS AND FACIA PANEL

REMOVE 4 X SCREWS AT REAR OF APPLIANCE SECURING THE REAR VENT TRIM



REMOVE 4X SCREWS 2 ON EACH SIDE

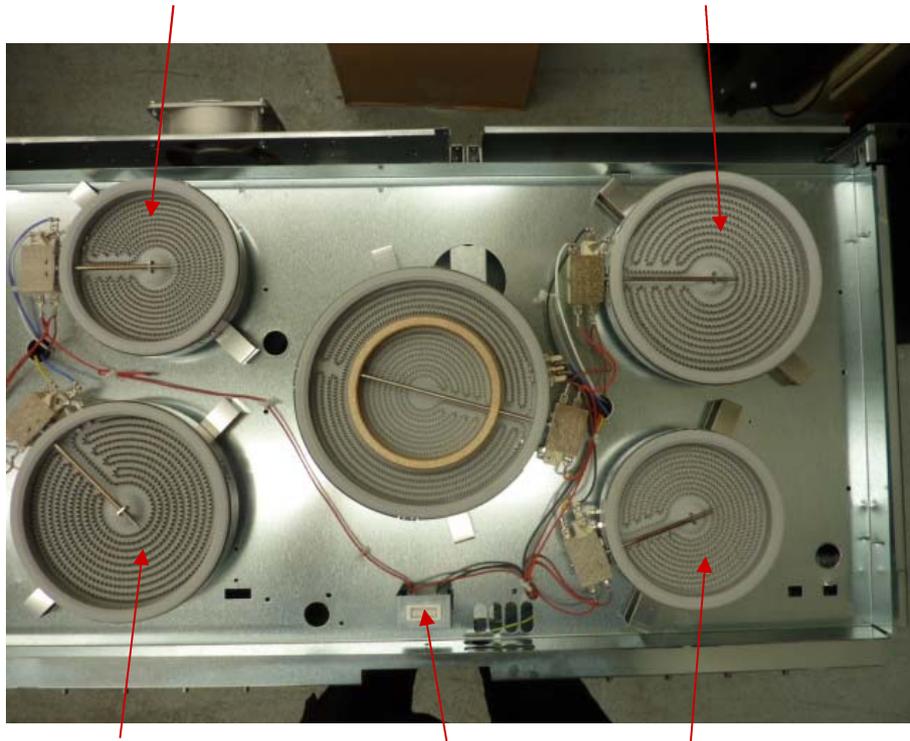


REMOVE THE SCREW BEHIND THE TIMER THAT SECURES THE FRONT OF THE HOB TOP

LIFT THE HOBTOP AWAY FROM THE APPLIANCE

SMALL ELEMENT 1.2KW

LARGE ELEMENT 1.8KW



LARGE DUEL
ELEMENT 2.2 KW

LARGE ELEMENT 1.8KW

HOH HOT NEON

SMALL ELEMENT 1.2 KW

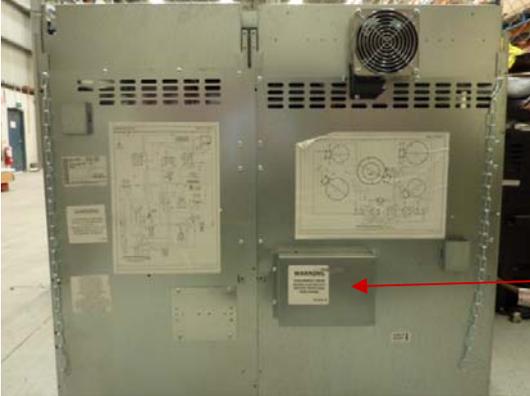
7) DOOR SEALS



THE DOOR SEAL IS REMOVED BY JUST PULLING IT IS SECURED IN THE GAP BETWEEN THE CAVITY AND FRONFRAME AND REQUIRES NO OTHER FIXING

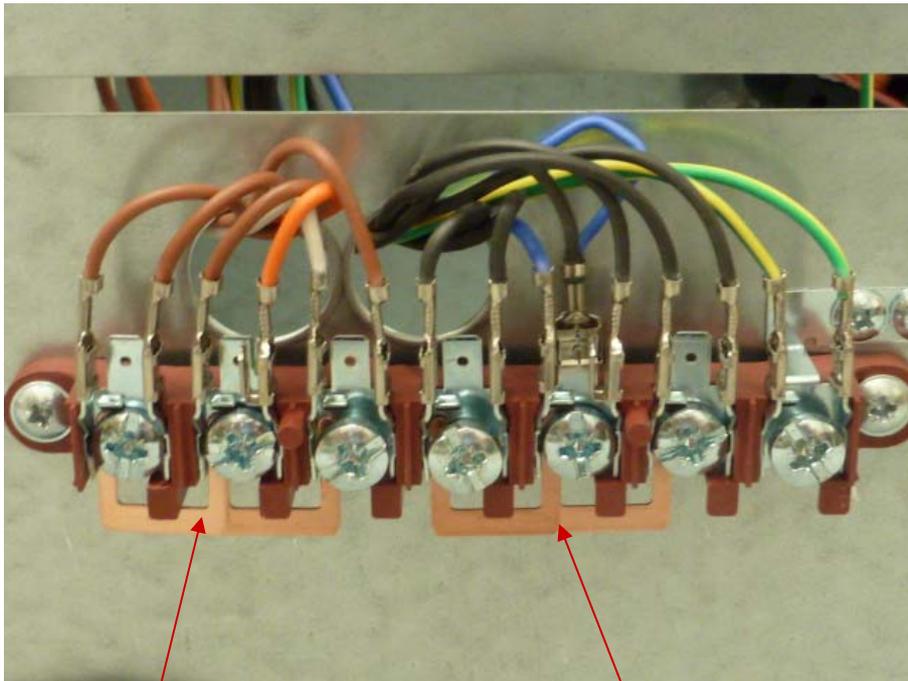
TO REFIT PUSH IN ALWAYS ENSURE THAT DOOR SEAL LIP IS FACING CORRECT WAY

8) REMOVAL OF REAR SERVICE PANELS



TO REMOVE REAR SERVICE PANELS
REMOVE ALL SCREWS
12 X RIGHT HAND SIDE
12X LEFT HAND SIDE

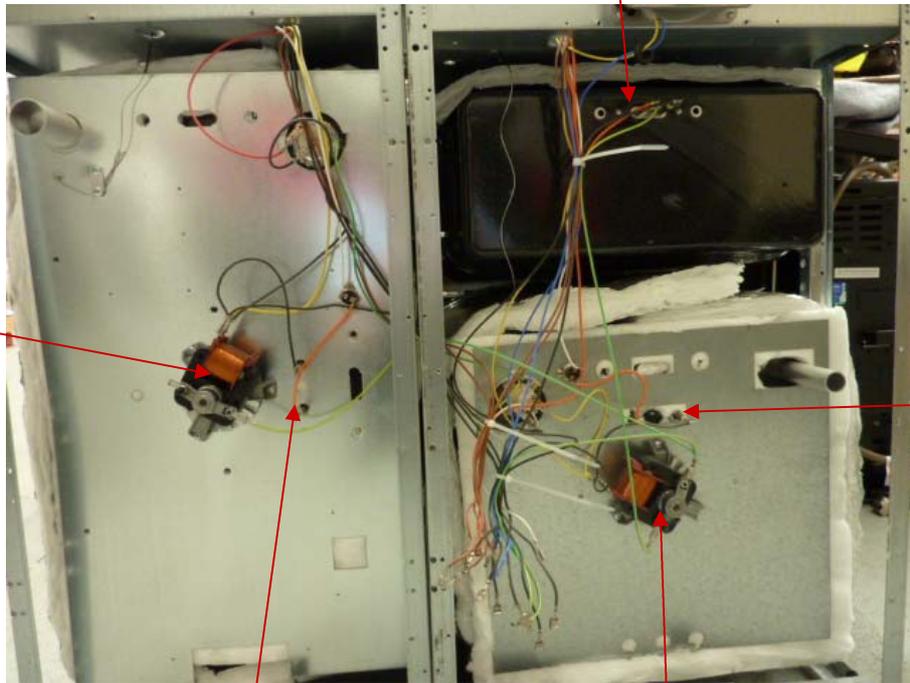
TO REMOVE RH SIDE PANEL
COMPLETELY REMOVE TERMINAL
BOX COVER AND DISCONNECT ALL
WIRING



**N.B WHEN RECONNECTING/INSTALLING ALWAYS ENSURE THAT THE
LINKS ARE IN PLACE AND ALL THE SCREWS ARE FULLY TIGHTENED**

GRILL ELEMENT

RH STIR FAN



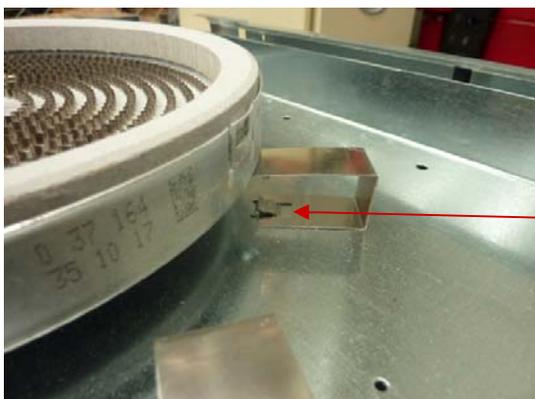
FAN OVEN
ELEMENT

RH OVEN FAN ELEMENT

LH OVEN STIR FAN

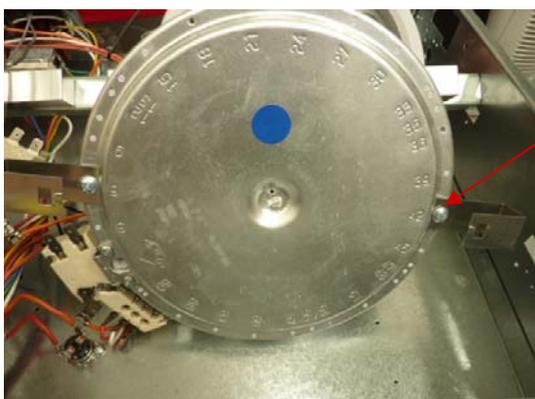
REPLACEMENT OF COMPONENTS

A) CERAMIC ELEMENTS



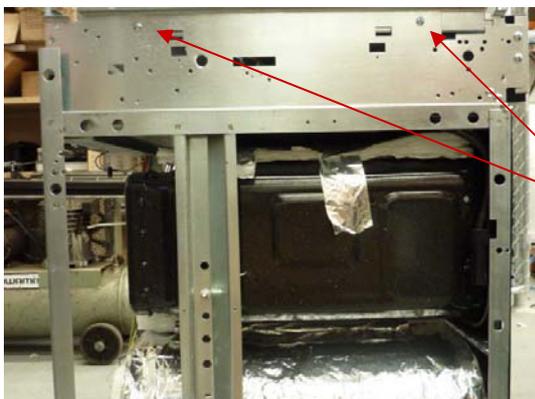
FOLLOW STEP 6 AND REMOVE THE HOB TOP

RELEASE THE CERAMIC ELEMENT FROM THE BASE BY SQUEEZING THE CLIP AND REMOVING FROM HOLDING TAB



WHEN REPLACING THE ELEMENT ALWAYS ENSURE THAT THE CLIPS ARE FITTED ADJACENT TO THE SAME NUMBERS

B) THERMOSTATS



FOLLOW STEP 6 AND REMOVE THE HOB TOP

REMOVE THE CERAMIC ELEMENT BASE BY REMOVING THE 4 X HOLDING SCREWS 2 ON EACH SIDE



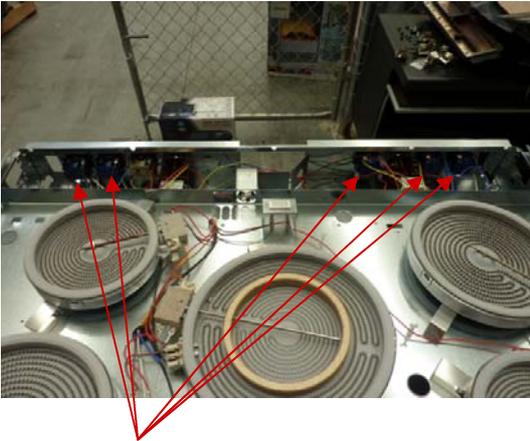
LIFT THE BASE UNIT AND REST IT ON THE REAR OF THE APPLIANCE TO GAIN ACCESS TO THE THERMOSTATS AND REGULATORS



THE THERMOSTATS CAN NOW BE REMOVED BY PULLING OUT OF THE SWITCHPACK

RELEASE THE PHIAL FROM THE CLIP IN THE CORRESPONDING OVEN CAVITY AND PULL THROUGH

C) REGULATORS



REGULATORS X5

FOLLOW STEP 6 AND REMOVE THE HOB TOP
REMOVE THE CERAMIC ELEMENT BASE

REMOVE THE RELEVANT SCREWS FROM THE INNER FACIA PANEL AND REMOVE THE REGULATOR

D) GRILL ELEMENT



FOLLOW STEP 8 REMOVE REAR RH SERVICE PANEL

DISCONNECT WIRES

REMOVE GRILL ELEMENT GUARD BY LOOSENING 2 HIDDEN SCREWS (POSITIONS INDICATED) AND SLIDING OFF



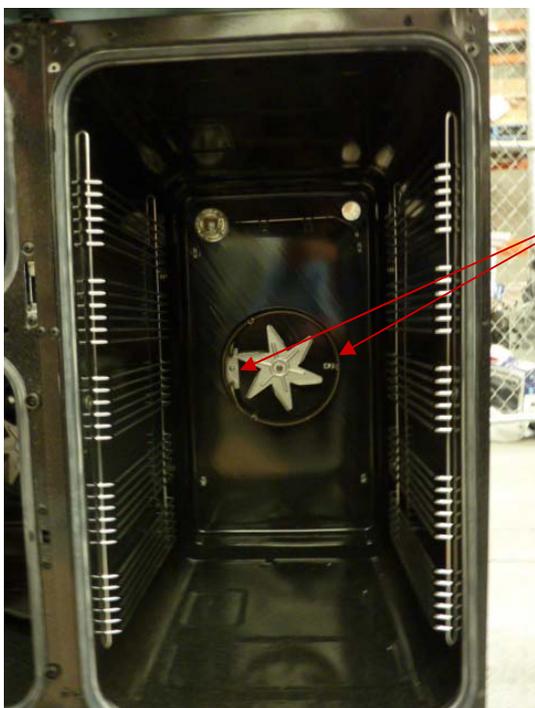
REMOVE THE 2 SCREWS SECURING THE ELEMENT BRACKET TO THE CAVITY AND PULL THE ELEMENT FORWARD TO REMOVE

E) RH OVEN FAN ELEMENT



FOLLOW STEP 8 AND REMOVE THE
LH REAR SERVICE PANEL

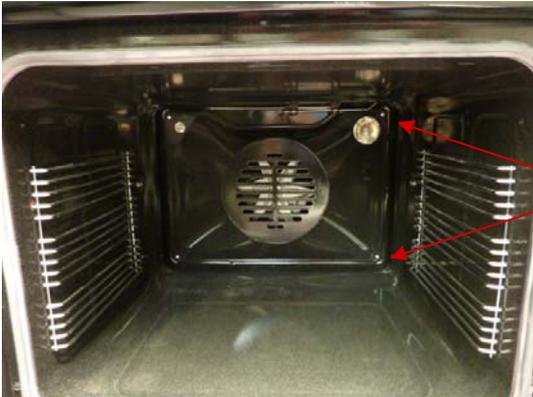
REMOVE THE 4 SCREWS FOR THE
REAR FAN COVER



DISCONNECT THE WIRING TO THE
ELEMENT

REMOVE THE 2 ELEMENT SECURING
SCREWS AND REMOVE THE ELEMENT
BY PULLING INTO THE CAVITY

F) LH LOWER OVEN FAN ELEMENT



FOLLOW STEP 8 AND REMOVE THE REAR SERVICE PANEL

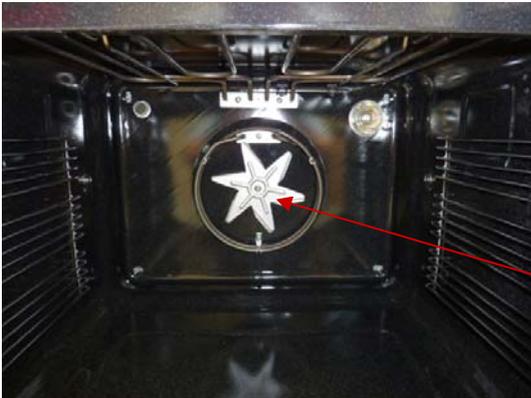
REMOVE 4 X REAR FAN COVER SECURING SCREWS AND REMOVE FAN COVER

DISCONNECT WIRING



REMOVE THE 2 ELEMENT SECURING SCREWS AND PULL ELEMENT FORWARD INTO THE CAVITY

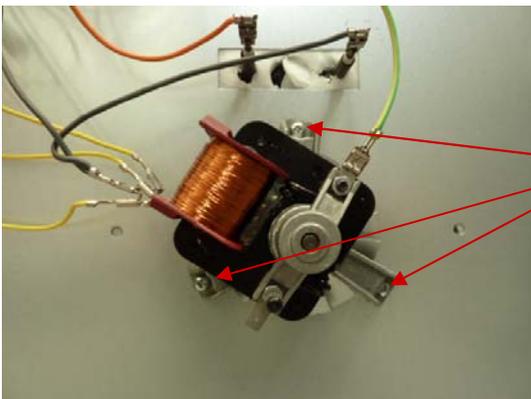
H) MAIN OVEN STIR FAN



FOLLOW STEP 8 AND REMOVE THE REAR SERVICE PANEL

REMOVE THE REAR FAN COVER AS ON PREVIOUS PAGE

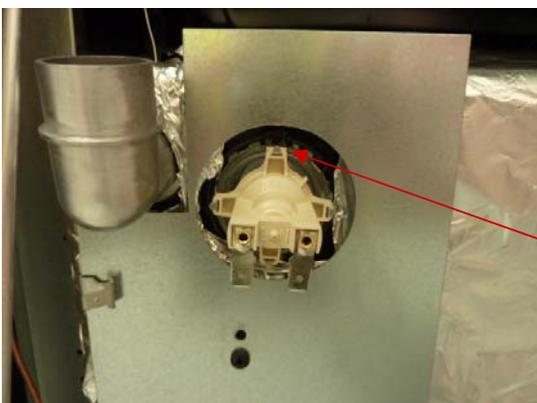
REMOVE THE FAN IMPELLOR
N.B L/H THREAD NEEDS TO TURNED CLOCKWISE TO REMOVE



DISCONNECT WIRING FROM FAN

REMOVE 3 X STIR FAN SECURING SCREWS AND REMOVE FAN FROM THE REAR OF THE APPLIANCE

I) MAIN OVEN LIGHT FITTING



FOLLOW STEP 6 REMOVING REAR SERVICE PANEL

REMOVE GLASS LAMP COVER BY UNSCREWING

REMOVE THE EARTH LEAD

RELEASE 4 X CLIPS HOLDING LIGHT FITTING IN PLACE

REMOVE BY PULLING LIGHT FITTING FORWARD INTO CAVITY

TECHNICAL SPECIFICATIONS

NOMINAL RESISTANCES AT 20oC

CERAMIC ELEMENTS

DUEL.....	2.2 KW
LARGE.....	1.7 KW
SMALL.....	1.2 KW

GRILL ELEMENT 31.3 Ω (1700W)

LH MAIN OVEN FAN ELEMENT..... 28.8 Ω (2000W)

RH OVEN FAN ELEMENT..... 23.04 Ω (2500W)

MAIN OVEN STIR FAN..... 63.5 Ω

COOLING FAN..... 1.81k Ω

THERMAL CUT-OUTS

TOP.....	L120°C
REAR.....	L150°C
FAN RUN-ON.....	F60°C



GLEN DIMPLEX
AUSTRALIA PTY LTD

BELLING

DB4 90E

FAULTFINDING
GUIDES



Single Electric Cooker Main Fan oven not working

