IMPORTANT

For use with 230v 50Hz electricity supply only.
Please read these instructions carefully before installation and keep them in a safe place.
They will be needed when maintenance or servicing is required.
THIS APPLIANCE MUST BE EARTHED
CONTENTS
Covering the following models:

Studio 1 - 223-802   Studio 2 - 223-837   Studio 22 - 223-884

With the following frame options:

<table>
<thead>
<tr>
<th>Frame</th>
<th>Studio 1</th>
<th>Studio 2</th>
<th>Studio 22</th>
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<td>923-947</td>
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<tr>
<td>Verve</td>
<td>923-900</td>
<td>923-926</td>
<td>923-952</td>
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</tbody>
</table>

USER INSTRUCTIONS

1. Important Information & Health and Safety
2. Operating Instructions
3. Fitting the Frames
4. Maintenance

INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATIONS

APPLIANCE DIMENSIONS
FRAME DIMENSIONS

INSTALLATION

1. General
2. Fitting The Appliance

SERVICING

1. Fault Finding
2. How to Wire a Plug
3. Servicing Requirements
4. Removing The Screens
5. Removing The Filter Covers
6. Replacing The Flame Effect LED Board
7. Replacing The Effects Fans
8. Replacing The Heating Element
9. Replacing The Remote Sensor
10. Replacing The PCB Unit
11. Replacing The Thermostat Control Board

SPARE PARTS LIST

This product is guaranteed for 2 years from the date of installation, as set out in the terms and conditions of sale between Gazco and your local Gazco dealer. This guarantee will be invalid, to the extent permitted by law, if the appliance has not been installed and operated as detailed in the Installation and User Instructions. The guarantee will only be valid during the second year, to the extent permitted by law, if the appliance has been regularly maintained by the customer as detailed in the maintenance section of the Installation and User Instructions.
USER INSTRUCTIONS

1. IMPORTANT INFORMATION and HEALTH AND SAFETY

1.1 Read all of the instructions carefully before using the appliance.

1.2 Remove all packaging and dispose of at an appropriate recycling facility.

1.3 Do not locate this appliance immediately below a fixed socket outlet.

1.4 Parts of the outer casing of this appliance are considered by the manufacturer to be a working surface which becomes hot when the heater is switched on. You must use a suitable fire guard to protect children, the elderly and the infirm.

1.5 Do not use this appliance in the immediate surroundings of a bath, shower, swimming pool or any other area where the appliance could come into contact with water or humidity, e.g. a bathroom.

1.6 WARNING! DO NOT COVER

Do not allow the appliance to be covered or let the air inlet/outlet become obstructed as the appliance may overheat. Please note the warning symbol on the appliance (see above).

1.7 For indoor use only. This appliance is not suitable for use outside the house.

1.8 Keep the power cord away from hot surfaces and hot conditions. Do not route the power lead in front of the appliance.

1.9 This appliance must be firmly fixed to a flat internal wall. Ensure that furniture, curtains etc. are positioned no closer than 1m to the appliance.

1.10 When the fire has been installed the position of the plug must be accessible.

1.11 If the electricity supply cable is damaged do not use the appliance until it has been replaced. For safety reasons the replacement has to be carried out by a Gazco service agent or a similarly competent electrician.

1.12 Do not use this appliance with any kind of timer, programmer or thermal control or other device that will switch the appliance on or off automatically.

1.13 The 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 are supervised or have been given instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

1.14 Do not operate the appliance if it is damaged.

1.15 Repairs of electrical appliances must only be performed by an electrical engineer. Should the appliance fail to operate, or in case of any damage, please contact the retailer from whom the appliance was purchased.

1.16 Never leave the heater unattended while it is in use. Always switch the product to the OFF position and unplug it from the electrical outlet when not in use.

2. OPERATING INSTRUCTIONS

WARNING! Do not operate the appliance if it is damaged or has malfunctioned. If you suspect the appliance is damaged or has malfunctioned call a qualified service engineer to inspect the appliance, and replace any part of the electrical system if necessary, before reuse.

GENERAL

2.1 The appliance can be operated by the infrared handset or the manual controls which are on the right hand side of the outer casing.

PREPARATION BEFORE USE

Batteries:

2.2 Ensure that the handset battery is new and is inserted correctly.

2.3 Dispose of old batteries at an appropriate recycling facility.

When using the handset:

2.4 Ensure the handset is pointed at the infrared sensor located behind the flame effect screen at the back of the inside of the appliance.

LOCATION OF POWER SWITCH

2.5 The mains power switch is located on the control panel located on the right-hand side of the appliance (see Diagram 1 over page).

2.6 Switch ON (—) before operating either the remote or manual controls.

2.7 A beep is heard to indicate the fire is ready for use.

REMOTE AND MANUAL OPERATION

2.8 The following functions can be controlled using the manual controls or remote handset:

— Heat settings 1 and 2
— Brightness of the fuel and flame effect
2.9 The Standby function and the thermostat can only be operated via the manual controls.

2.10 The effects can be turned off using the remote, returning the appliance to Standby.

Turning On the Appliance

Flame Effects:

2.12 The flame effect button on both the manual and remote controls has 4 settings:

—Press once for maximum brightness level.
—Press twice for brightness level 3.
—Press three times for brightness level 2.
—Press four times for minimum brightness.

Turning On the Heat:

2.13 When turning on the heater you must always press the 1kW button. Do not start the fire using the 2kW setting.

2.14 It is NOT possible to run the heater without the flame effects switched on.

2.15 Press the 1kW button to turn the fan heater ON. One red indicator light will be displayed on the indicator (1) - See Diagram 3. The appliance will blow cold air for approximately 8 seconds before the heater comes on. On this setting the heater will operate at half its maximum temperature.

2.16 Press the 2kW button once to turn the fan heater to its maximum temperature. Two red indicator lights will be displayed on the indicator (1) + (2) behind the flame effect screen - See Diagram 3. After approximately 8 seconds the heater will operate at its maximum temperature.

2.17 Pressing the 2kW button again will turn the heater OFF and cold air will continue until the flame effect is turned off.

2.18 Press the 1kW button to return to the lower heat setting.

2.19 Press the On/Off button to turn off ALL settings and return to Standby.

2.20 The appliance should be turned off via the On/Off switch when it is not in use.
THERMOSTATIC CONTROL

2.21 The appliance is fitted with a thermostat. This is located on the right hand panel of the appliance, Diagram 1.

The thermostat can control the room temperature between approximately 9°C and 34°C. The edge of the thermostat control dial is numbered 1 - 9 with 1 being the coolest setting and 9 being the warmest. If the room temperature is too high turn the thermostat dial in an anti-clockwise direction. If the room temperature is too low turn the dial in a clockwise direction.

THERMAL SAFETY CUTOUT

The appliance is fitted with a thermal safety cutout, which operates if it overheats. If this happens:

2.23 Unplug the appliance and allow it to cool for 5 - 10 minutes.

2.24 Check the air inlets/outlets for any obstruction and clear if necessary (see Maintenance, Section 3.5).

2.25 Plug in appliance and switch it on. The cutout will re-set and the appliance should function correctly. If this is not the case:

2.26 Unplug once more and have the fire checked by a competent electrician.

3. FITTING FRAMES

3.1 The frame options are secured to the appliance by four hooked brackets, see Diagram 4.

The hooks locate in the four slots on the front of the appliance, see Diagram 5.

3.2 To remove the frame lift carefully and pull forward.

Fitting the frame is the reverse of this procedure.
4. MAINTENANCE

4.1 ALWAYS UNPLUG FROM MAINS SUPPLY BEFORE CLEANING OR UNDERTAKING ANY MAINTENANCE

GENERAL CLEANING

4.2 Only clean the outer casing when it is cold. Do not use abrasive cleaners.

CLEANING FRONTS

4.3 For the Verve Fronts:
Wipe with a damp cloth and buff with a lint free duster.

For the Glass Fronts:
Use a proprietary non abrasive glass cleaner.

Caution: Do not use abrasive cleaners on the glass panel. Do not spray liquids directly onto any surface of the unit.

CLEANING AIR INLETS

4.4 Ensure the appliance is unplugged.

4.5 Clean the air inlet and outlet grilles regularly with a soft cloth or the nozzle of a vacuum cleaner.

Dust build-up can inhibit efficient performance of the fan and lead to the safety cut-out operating.

4.6 Keep the area around the appliance clean and free of fluff, dust or pet hair.

4.7 In particular, build-up of dust etc. can occur around the heater area under the appliance. Take particular care to keep this area free from such particles on a regular basis to prevent build-up.

BATTERY REPLACEMENT

4.8 When the remote batteries are low they must be changed immediately. Install correct replacement and dispose of the old batteries carefully.

Note: If the appliance is to be left for a long period of time ensure it is switched off and the power cord removed.
INSTALLATION INSTRUCTIONS
TECHNICAL SPECIFICATIONS

These instructions cover the following models:

Studio 1 - 223-802  Studio 2 - 223-837  Studio 22 - 223-884

These appliances have 3 modes of operation:

— Flame effect only - with 4 brightness levels
— Flame effect + 1kW heating
— Flame effect + 2kW heating

A 230v 13amp 50Hz supply is required
Maximum power consumption:
Studio 1 & 2: 1800 watts
Studio 22: 900 watts

THIS APPLIANCE MUST BE EARTHED

A 1.8 metre lead with plug containing a 13 amp fuse is supplied. Only use a 13 amp fuse with this appliance.

Remote control handset battery (CR2032)

This appliance has been certified for use in countries other than those stated. To install this appliance in these countries, it is essential to obtain the translated instructions and in some cases the appliance will require modification. Contact Gazco for further information.

PACKING CHECKLIST

<table>
<thead>
<tr>
<th>Appliance Description</th>
<th>Fixing Kit containing:--</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio 1</td>
<td>1 x Instruction Manual</td>
</tr>
<tr>
<td>Studio 2</td>
<td>4 x Screws</td>
</tr>
<tr>
<td>Studio 22</td>
<td>1 x Handset</td>
</tr>
<tr>
<td></td>
<td>2 x Retention screws</td>
</tr>
<tr>
<td></td>
<td>1 x Battery</td>
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</tbody>
</table>

**STUDIO 1 & 2**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<td>549</td>
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<tr>
<td>Studio 22</td>
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<td>87</td>
<td>929</td>
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**STUDIO 22**
INSTALLATION INSTRUCTIONS

TECHNICAL SPECIFICATIONS

These dimensions cover the following frame models:

<table>
<thead>
<tr>
<th>Frame</th>
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<th>Studio 2</th>
<th>Studio 22</th>
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<td>Glass</td>
<td>923-908</td>
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<td>923-947</td>
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<td>Verve</td>
<td>923-900</td>
<td>923-926</td>
<td>923-952</td>
</tr>
</tbody>
</table>

**STUDIO 1 & 2**

![STUDIO 1 & 2 Diagram](AR2608)

**STUDIO 22**

![STUDIO 22 Diagram](AR2607)

**Verve Frame**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio 1</td>
<td>640</td>
<td>1320</td>
<td>155</td>
</tr>
<tr>
<td>Studio 2</td>
<td>240</td>
<td>1520</td>
<td>160</td>
</tr>
<tr>
<td>Studio 22</td>
<td>1320</td>
<td>676</td>
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</table>

**Glass Frame**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio 1</td>
<td>675</td>
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</tr>
<tr>
<td>Studio 2</td>
<td>675</td>
<td>1320</td>
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</tr>
<tr>
<td>Studio 22</td>
<td>1320</td>
<td>675</td>
<td>118</td>
</tr>
</tbody>
</table>
1. GENERAL

1.1 TOOLS REQUIRED
A Screw Driver, Spirit Level and Drill will be needed.

1.2 UNPACKING THE FIREPLACE
WARNING! DO NOT use this appliance if any part has been exposed to water.
Immediately call a qualified service technician to inspect and to replace any part of the electrical system if necessary.

1.3 Open the packaging carefully and remove the polystyrene. Remove and discard the plastic bag. Keep plastic wrapping away from children. Be responsible when handling the packing materials.

1.4 Check all parts and accessories are removed before disposing of any packaging. If necessary keep the original packaging for future transport and/or storage.

2. FITTING THE APPLIANCE

2.1 Locating The Studio Electric
Your new Studio Electric may be installed virtually anywhere in your home. However, when choosing a location ensure that the general instructions are followed.

2.2 For best results, install out of direct sunlight.

2.3 If the power cord is damaged, it must be repaired by the manufacturer, its authorized service centre or professional person.

2.4 The appliance should be located close to a suitable mains socket to enable connection. The electrical socket must be easily accessible to allow disconnection when the appliance is fitted.

WARNING! KEEP ANY COMBUSTIBLE MATERIALS AT LEAST 1M FROM THE FRONT AND SIDES OF THE ELECTRIC FIREPLACE.

2.5 Prior to installation ensure the minimum clearances are observed, Diagram 1.

2.6 Decide on the height from the floor level to the bottom of the decorative frame (minimum of 200mm). Add the desired distance between the bottom of the frame and floor level to the frame dimension ‘D’ in Diagram 3 (see table over page) to achieve the total distance in Diagram 2. This will give the required height to the underside of the wall mounting bracket.
2.8 To prepare the installation measure the distance from floor level and draw a line on the wall using a spirit level.

2.9 Position the wall mounting bracket so that the bottom edge is level with the line drawn on the wall. Mark the position of the four fixing holes on the wall, Diagram 4.

2.10 Drill the 4 holes and insert the rawlplugs provided. Note: The rawlplugs supplied are suitable for solid wall applications. If it is intended to mount the appliance onto plasterboard or hollow walls suitable fixings must be used, Diagram 5.

2.11 Attach the bracket to the wall using the screws provided ensuring the hooks are at the top, Diagram 6.

2.12 Lift the engine onto the bracket. Insert the hooks into the slots on the back of the engine and secure with two screws at the base of the bracket.

2.13 Attach the power cord to the engine and secure the power cord cover with the screws provided, Diagram 7.

2.14 Insert the hooks on the back of the frame into the slots on the front of the engine and lower to secure in place. Diagram 8 & 9.
Verve Frame:

The Verve frame is supplied with a bag of optional decorative stones. These may be placed on the lip at the bottom of the frame in front of the effects screens and do not effect the operation of the appliance.
1. FAULT FINDING

No illumination or uneven lighting:

1.1 Check the heater is working. If YES, one or more of the LED boards will need replacing. This must be undertaken by a suitably qualified person (see Servicing Requirements).

1.2 If NO, first change the 13amp fuse for one known to work. If the fire still does not work, check the socket by plugging in a working appliance. If this too fails to operate, call in a competent electrician to check the socket.

Illumination but no heat:

1.3 The safety cut-out has operated to protect against overheating (see User Instructions, Section 2). Ensure the air inlet and outlet grilles are free of dust or any other obstruction.

1.4 The thermostat control dial may be set too low. Turn the dial clockwise until the heater turns on.

Remote control fails to work:

1.4 Check that the batteries are new and correctly fitted. Replace if necessary.

1.5 Ensure that the handset is pointed towards the fire.

2. HOW TO WIRE A PLUG

To change the plug supplied with this fire, follow the instructions below. The instructions assume that the wire has been cut.

**WARNING – FAILURE TO CONNECT THE WIRES CORRECTLY COULD PUT PEOPLE AT RISK FROM ELECTRIC SHOCK OR FIRE. IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.**

**UK PLUG** - Suitable for use in Cyprus, Malta, Ireland & Great Britain

**EUROPEAN PLUG** - Suitable for use in Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Greece, Hungary, Germany, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain & Sweden

### LIVE WIRE

- Brown
- Terminal L / RED

### NEUTRAL WIRE

- Blue
- Terminal N / BLACK

### EARTH WIRE

- Green & Yellow Stripes
- Terminal E / GREEN or GREEN & YELLOW

---

**THIS APPLIANCE MUST BE EARTHED**

2.1 Dispose of the old plug safely. Ensure the new plug is not cracked or chipped.

2.2 Expose 4cm of the coloured wires and trim to the correct lengths so that they comfortably reach the correct terminals.

2.3 Ensure that the Earth wire has more slack than any of the other wires.

2.4 Remove some of the insulation to leave about 1cm of exposed metal core on each wire.

2.5 Twist the strands of the wire together.

2.6 Loosen the screw heads above each terminal.

2.7 Push the metal wire into the hole beneath each screw head or, dependent on plug design, wind the metal wire around the screw.

2.8 Ensure that the insulation reaches right up to each terminal as illustrated and there are no loose strands of wire.

2.9 Ensure the cable sits correctly under the cable grip and tighten to secure.

2.10 Refer to Technical Specification for fuse rating and fit the appropriate fuse into the plug.

2.11 Attach the plug cover.
3. SERVICING REQUIREMENTS

THIS APPLIANCE MUST ONLY BE SERVICED BY A SUITABLY QUALIFIED PERSON.

BEFORE UNDERTAKING ANY WORK ON THE APPLIANCE: SWITCH OFF THE APPLIANCE AND ISOLATE IT FROM THE MAINS BY UNPLUGGING THE UNIT.

3.1 Wait for at least 10 minutes until the appliance has cooled down.

3.2 Remote Handset Battery Replacement

Replace with a CR2032 battery. Make sure the battery is installed correctly in the remote control.

3.3 Maintenance of Motors

The motors used on the fan and flame effect are pre-lubricated for extended bearing life and require no further lubrication. However, periodic cleaning/vacuuming of the fan/heater unit is recommended.

3.4 Resetting the Thermal Cutout Switch

The appliance is fitted with an Electronic Safety Control (E.S.). This is a safety device which switches off the fire if the appliance overheats for any reason e.g. when covered.

If the heater stops operating whilst the flame effect continues normally, this indicates that the E.S. Control is in operation.

The E.S. Control can only be re-set after the appliance has cooled down.

To re-set the E.S:
Switch off the appliance (Manual On/Off switch) and leave for approximately 10-15 minutes.
Remove any obstruction to the fan heater outlet or other internal parts.
Switch on appliance and the E.S. Control will re-set. Ensure that the appliance is functioning correctly. If the E.S. Control operates again, the appliance should be checked by a competent Electrician.

4. REMOVING THE SCREENS

All Models:

4.1 Unscrew one side of the brackets on the front of the engine, Diagram 3.

4.2 Loosen or remove the remaining brackets in order to slide off the outer decorative and effect screens. Using two hand remove the screens, Diagram 4 & 5.
Take care if sliding not to scratch the surface of the screens or this will spoil the effect of the appliance.

4.3 Carefully set screens to one side to avoid damage.
5. REMOVING THE FILTER COVERS

All Models:

5.1 Remove the screws securing the front filters, See Diagram 6.

5.2 Lift off and place carefully to one side, Diagram 7.

6. REPLACING THE FLAME EFFECT LED BOARD

All Models:

6.1 Remove the screens on the front of the appliance. See Section 4.

6.2 Remove the filter covers. See Section 5.

Studio 1 & 2

6.3 With the appliance lying down on a flat surface remove the screws holding the flame effect to the base. See Diagram 6.

   Studio 1: There are three screws in total:
   2 in the larger fan unit and one in the smaller one.

   Studio 2: There should be four screws in the larger fan units and one in the smaller ones.

6.4 Stand the unit back up and remove the screws securing the flame effect from inside the appliance.

6.5 Unplug the wires connecting to the LED boards.

      Studio 1: These are situated on the left and right hand sides of the fan units.

      Studio 2: These are situated on the right hand side of the right fan unit.

Disconnect the wires and if working on an appliance with multiple connections take care to note the orientation.

Lift the cloth clear of the unit. Diagram 9.
This can be rested on top of the appliance whilst it is being worked on.
6.6 The LED boards are held on to the mountings by several small screws underneath. Diagram 10.

6.7 Remove the screws and washers and place carefully to one side for reuse later. Diagram 11. NOTE: These parts are extremely small and delicate so care must be taken not to lose or damage them.

6.8 Unplug the LED boards noting their orientation.

6.9 Dispose of any old boards at an appropriate recycling centre.

6.10 Remove the screws securing the LED board to the base of the appliance. See Diagram 13.

6.11 Note the orientation of the LED board and the connecting plugs. Using a pair of long nosed pliers remove the board from the plastic pegs securing it to the flame effect cloth. See Diagram 14.

6.12 Replace in reverse order.

7. REPLACING THE EFFECTS FANS

All models:

7.1 To remove the fan motors it will be necessary to remove:
   The decorative screens - See Section 4. The filter covers - See Section 4.
   It will also be necessary to remove the LED strip. This can be done by following Section 6.1 - 6.5.

Studio 1:

7.2 With the LED board disconnected remove the screws in the base of the appliance that holds the fan bracket.

7.3 Remove the screws securing the side panels and open to show the interior electronics. Diagram 15 and 16.
7.4 Remove the split grommet protecting the wires and feed the cable through the hole in the casing and disconnect the electrics carefully making note of the orientation, See Diagram 17.
Blue - Right
Red - Left.

7.5 Stand the appliance back up and remove the 4 screws from the outside rear of the unit, See Diagram 18.

7.6 Slide the fan units out of the sides of the appliance, See Diagram 19.

7.7 Replace fan units in the reverse order.
DO NOT OVER TIGHTEN SCREWS.

Studio 2

7.8 With the appliance stood up remove the screws on the sides and the top and bottom screws at the rear.

7.9 Remove the left hand panel to reveal the electronics, Diagram 20.
7.10 Stand the appliance upright and holding the right hand side turn the casing through 90 to reveal the appliance controls, See Diagram 21.

7.11 Remove the split grommet protecting the wires and feed the cable through the hole in the casing and disconnect the electrics carefully making note of the orientation, See Diagram 22.
  Blue - Right
  Red - Left.

7.12 Taking care to ensure no damage is caused to the effects curtain, lie the appliance flat and remove the bottom screen bracket and front two screws (left and right).

7.13 Stand the appliance back up and remove the 4 screws from the back of the unit, See Diagram 23.

7.14 Lift the fan units out of the appliance, See Diagram 24.

7.15 Remove the screws securing the fan units to the bracket.

7.16 Replace fan units in the reverse order.
  DO NOT OVER TIGHTEN SCREWS.

Studio 22

7.17 Remove the four screws securing the fan unit to the base of the appliance, See Diagram 25.

7.18 Remove the screws in the side panel and lift the fan unit out of the appliance, See Diagram 26.
7.19 Remove the Upper & Lower LED boards from the fan and remove fan from the bracket by removing the screws in the top, See Diagram 27.

8.20 Replace in reverse order.

8. REPLACING THE HEATING ELEMENT

Studio 1 & 2

8.1 Before removing the element follow Section 2 - Removing The Decorative Screens and remove the top screen bracket.

8.2 Open the side panels - Section 7.

8.3 Remove the four screws on the top which secure the element cover. See Diagram 28.

8.4 Remove the four screws on the back which secure the flame effect bracket. See Diagram 29.

8.5 The flame effect can now be detached from the back of appliance and placed out of the working area. See Diagram 30.

8.6 Lie the appliance flat on its back once more and remove the two screws in the front of the appliance that hold the element in place.

8.7 Ensure that the element is supported lift the appliance upright and lower the element bracket. Diagram 31.
8.8 Carefully remove the wires on the right hand side using long nosed pliers making note of the wiring positions. See Diagram 32.

8.9 Remove the two screws on the underside of the element bracket (one at each end). See Diagram 33.

8.10 Taking a wire cutter carefully cut the 3 cable ties that hold the black wire of the element in place. See Diagram 34. CAUTION: DO NOT CUT THE WIRE.

8.11 Remove the element.

8.12 Replace in reverse order.

Studio 22

8.13 Remove the three screws on the back which secure the flame effect bracket. See Diagram 35.

8.14 The flame effect can now be detached from the back of appliance and placed out of the working area.

8.15 Remove the screws that secure the side panel and top four screws that hold the element in place. IMPORTANT: You must support the element.

8.16 Open the side panel and pull the wires through carefully. Make a note of the wiring positions on the PCB unit and remove the 2kW wire. (Feed wires through and detach neutral).

8.17 Ensure that the element is supported lift the appliance upright and lower the element bracket. See Diagram 36.
9. REPLACING THE REMOTE SENSOR

9.1 Follow section 2 to remove the decorative screens.

9.2 Disconnect the sensor lead and carefully move to one side, Diagram 37.

9.3 Using a pair of long nosed pliers squeeze the clips that hold the sensor to the back of the appliance in order to release.

9.4 Remove the sensor and replace as required.

10. REPLACING THE PCB UNIT

10.1 Remove the screws on the side of the unit with the control panel and open to reveal the PCB unit and the thermostat control board. See Diagram 38.

10.2 With long nosed pliers squeeze the cable clips to carefully remove the wires from the PCB unit.

10.3 Unscrew the diagonal fixings and carefully remove the PCB unit. Diagram 39.

10.4 Replace in reverse order ensuring the connections are put back in exactly the same configuration as was originally found.

11. REPLACING THE THERMOSTAT CONTROL BOARD

11.1 Remove the screws on the side of the appliance with the control panel and open to reveal the PCB unit and the thermostat control board.

11.2 Undo the screws on the back of the board and unclip the connector to remove the board, see Diagram 40.

11.3 Replace in reverse order.
# SPARE PARTS LIST

<table>
<thead>
<tr>
<th>Parts Description</th>
<th>Studio 1</th>
<th>Studio 2</th>
<th>Studio 22</th>
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<td>Main Front Screen (Outer Decorative Screen)</td>
<td>PL0120</td>
<td>PL0122</td>
<td>PL0124</td>
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<tr>
<td>Front Backing Screen (Effects Screen)</td>
<td>PL0121</td>
<td>PL0123</td>
<td>PL0125</td>
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<tr>
<td>Top Heater Element</td>
<td>EL0518</td>
<td>EL0532</td>
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<tr>
<td>Light Effect LED</td>
<td>EL0520</td>
<td>EL0520 (Left Hand)</td>
<td>EL0529 (Lower)</td>
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<td>EL0521 (Right Hand)</td>
<td>EL0530 (Upper)</td>
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<tr>
<td>LED Spacers</td>
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<td>EL0531</td>
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<td>Main PCB</td>
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<td>IR Receiver Board</td>
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<td>Thermostat Control Board</td>
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<td>Remote Battery</td>
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<td>Fan Assembly</td>
<td>EL0519 (Left Hand)</td>
<td>EL0519 (Central)</td>
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<td>EL0527 (Right Hand)</td>
<td>EL0525 (Left Hand)</td>
<td>EL0525 (Right Hand)</td>
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<tr>
<td>White Granite Chippings (For Verve Frame)</td>
<td>CE0982</td>
<td>CE0983</td>
<td>CE0981</td>
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