



# F900 SERIES

User, installation and servicing instructions

## CHIP SCUTTLE

E9646

Read these instructions before use

DATE PURCHASED:

MODEL NUMBER:

SERIAL NUMBER:

DEALER:

SERVICE PROVIDER:

**T100890**

REV. 3

Dear Customer,  
Thank you for choosing Falcon Foodservice Equipment.

This manual can be downloaded from [www.falconfoodservice.com](http://www.falconfoodservice.com) Or scan here



**IMPORTANT:** Please keep this manual for future reference.

## **Falcon Foodservice Equipment**

### **HEAD OFFICE**

Wallace View, Hillfoots Road, Stirling. FK9 5PY. Scotland.

### **WEEE Directive Registration No. WEEE/DC0059TT/PRO**



At end of appliance life, dispose of appliance and any replacement parts in a safe manner, via a licensed waste handler. Appliances are designed to be dismantled easily and recycling of all material is encouraged whenever practicable.



## SYMBOLS



• SPANNER



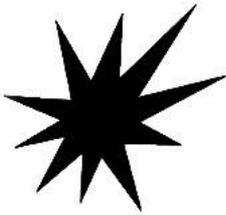
• SCREWDRIVER



• COOKING OIL



• GREASE



• SPARK IGNITION



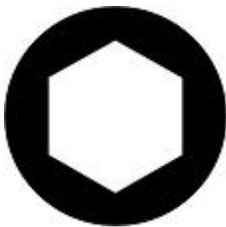
• FLAME



• WARNING



• VIEWPORT



• ALLEN KEY



• IGNITER



- **This appliance may be discolored due to testing.**
- **These instructions are only valid if the country code appears on the appliance. If the code does not appear on the appliance, refer to the technical instructions for adapting the appliance to the conditions for use in that country.**
- **Installation must meet national or local regulations. Attention must be paid to: safety (installation & use) regulations, health and safety at work act, local and national building regulations, fire precautions act.**
- **To prevent shocks, all appliances must be earthed.**
- **This equipment is for professional use only and must be used by qualified persons.**
- **The installer must instruct the responsible person(s) of the correct operation and maintenance of the appliance.**
- **Unless otherwise stated, parts which have been protected by the manufacturer must not be adjusted by the installer.**
- **Take care when moving an appliance fitted with castors.**
- **The appliance must be serviced regularly by a qualified person. Service intervals should be agreed with the service provider.**
- **Check that no damage has occurred to the appliance or supply cord during transit. If damage has occurred, do not use the appliance.**
- **Installation, periodic testing, repair and fixed wiring connections should only be undertaken by a competent electrician.**
- **Ensure supply cord is routed free from appliance to avoid damage.**
- **We recommend supplementary electrical protection with the use of a residual current device (RCD).**

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# 1.0 APPLIANCE INFORMATION

This appliance has been CE-marked on the basis of compliance with the relevant EU directives for the heat inputs, gas pressures and voltages stated on the data plate.

|                                     |                              |                             |                            |  |                           |                               |          |     |          |     |
|-------------------------------------|------------------------------|-----------------------------|----------------------------|--|---------------------------|-------------------------------|----------|-----|----------|-----|
| <b>Falcon Foodservice Equipment</b> |                              | P.I.N. <input type="text"/> |                            | STD. <input type="text"/>                              |                           |                               |          |     |          |     |
| <b>A</b>                            | Ser No. <input type="text"/> | <b>B</b>                    | MODEL <input type="text"/> | <b>C</b>   | TYPE <input type="text"/> | I.P. <input type="text"/>     |          |     |          |     |
| <b>D</b>                            | Cat.                         | ES, GB, GR, IE, IT, PT, SI  | BE, FR                     | BG, CZ, DK, EE, FI, HR, LT, LV, NO, RO, SE, SI, SK, TR | CY, HU, IS, MT, NL        | AT, CH                        | PL       | LU  | DE       | -   |
|                                     |                              | I2H3+                       | I3+                        | I2H3B/P  | I3B/P                     | II2H3B/P                      | II2E3B/P | I2E | II2E3B/P | -   |
| <b>E</b>                            | p mbar                       | 20;28-30/37                 | 28-30/37                   | 20;30  | 30                        | 20;50                         | 20;30    | 20  | 20;50    | -   |
| <b>F</b>                            | GAS TYPE                     | G20                         | G30                        | G31  |                           |                               |          |     |          |     |
| <b>G</b>                            | GAS RATE                     | m <sup>3</sup> /h           | kg/h                       | kg/h   |                           |                               |          |     |          |     |
| <b>H</b>                            | Σ Qn                         | kW                          |                            | kW   |                           | kW                            |          |     |          |     |
| <b>I</b>                            | EL.                          | <input type="text"/>        |                            |  |                           |                               |          |     |          | Hz  |
| <b>J</b>                            | Σ kW                         | <input type="text"/>        |                            | kW   |                           | <b>K</b> <input type="text"/> |          |     |          | kHz |
| <b>L</b>                            | L1                           | A                           | L2                         | A  | L3                        | A                             |          |     |          |     |

**A** - Serial No

**B** - Model No

**C** - Flue Type

**D** - Gas Category

**E** - Gas Pressure

**F** - Gas Type

**G** - Gas Rate

**H** - Total Heat Input

**I** - Electrical Rating

**J** - Total Electrical Power

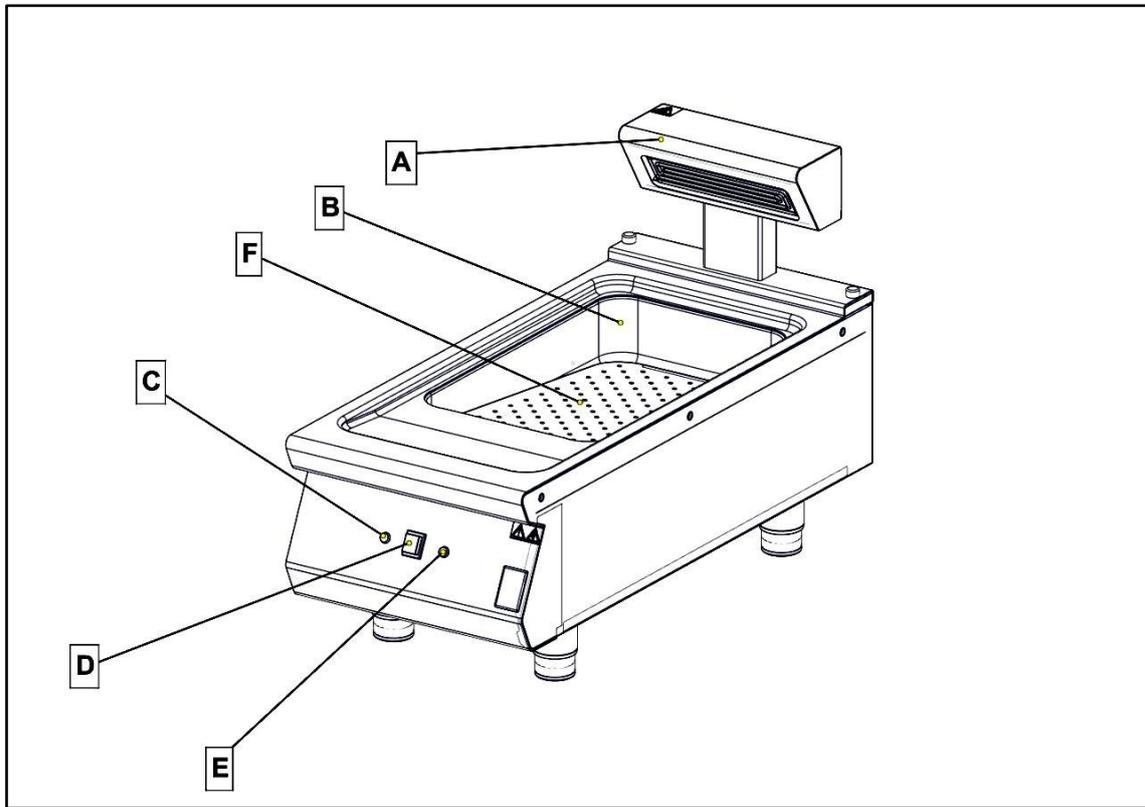
**K** - Magnetic Field Frequency

**L** - Electrical Phase Loading

## 2.0 OPERATION

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### 2.1 COMPONENT PARTS / CONTROLS



A – 460W Ceramic Heat Lamp

B – Pressed Bowl

C – Red Neon

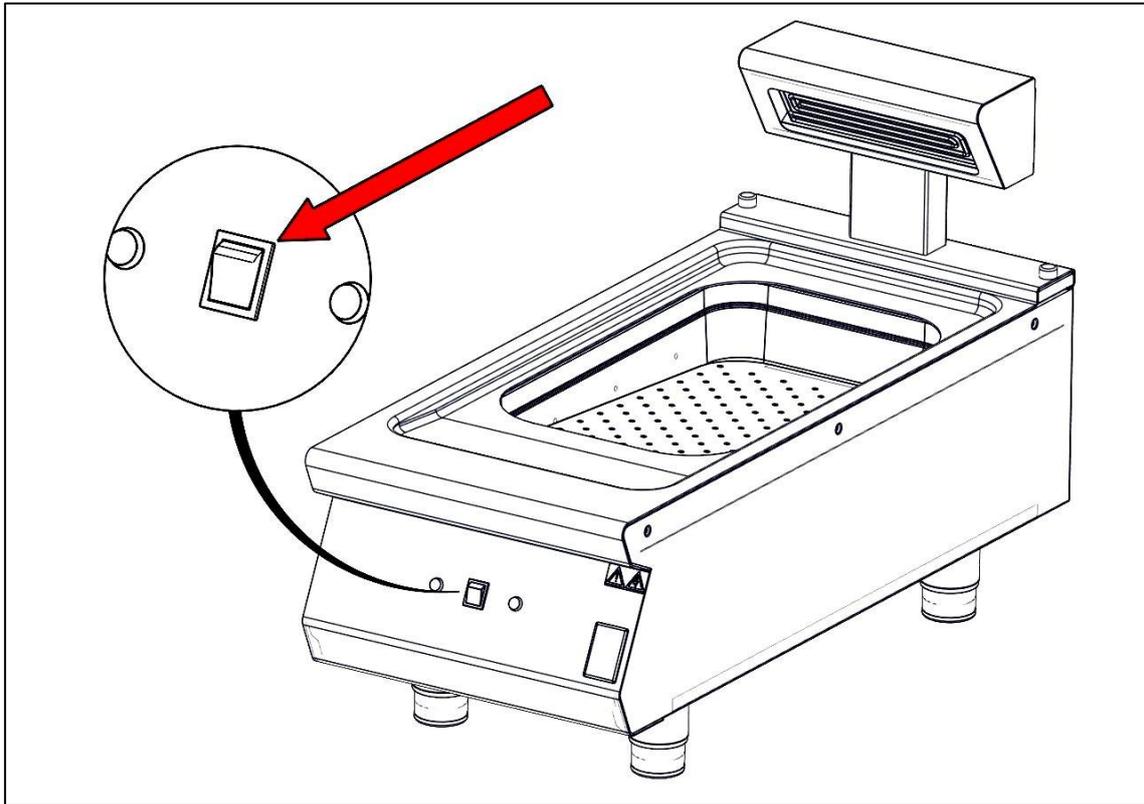
D – ON/OFF Rocker Switch

E – Amber Neon

F – Perforated Plate

## 2.2 USING THE APPLIANCE

- 2.2.1 Before use, clean the appliance. See section 3.0.
- 2.2.2 Red neon indicates power to appliance.
- 2.2.3 Press switch to turn on heating elements as shown.
- 2.2.4 Amber neon indicates appliance is switched on and heating elements working.



### 3.0 CLEANING AND MAINTENANCE

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- 3.1 Turn off and cool down.
- 3.2 Clean bowl and perforated plate to ensure they are free from oil and grease.



**FAILURE DUE TO LACK OF PROPER CLEANING IS NOT COVERED BY WARRANTY.**

### 4.0 SPECIFICATION

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- 4.1.1 This unit is suitable for AC supplies only.
- 4.1.2 The standard terminal arrangement is single phase (230V~).

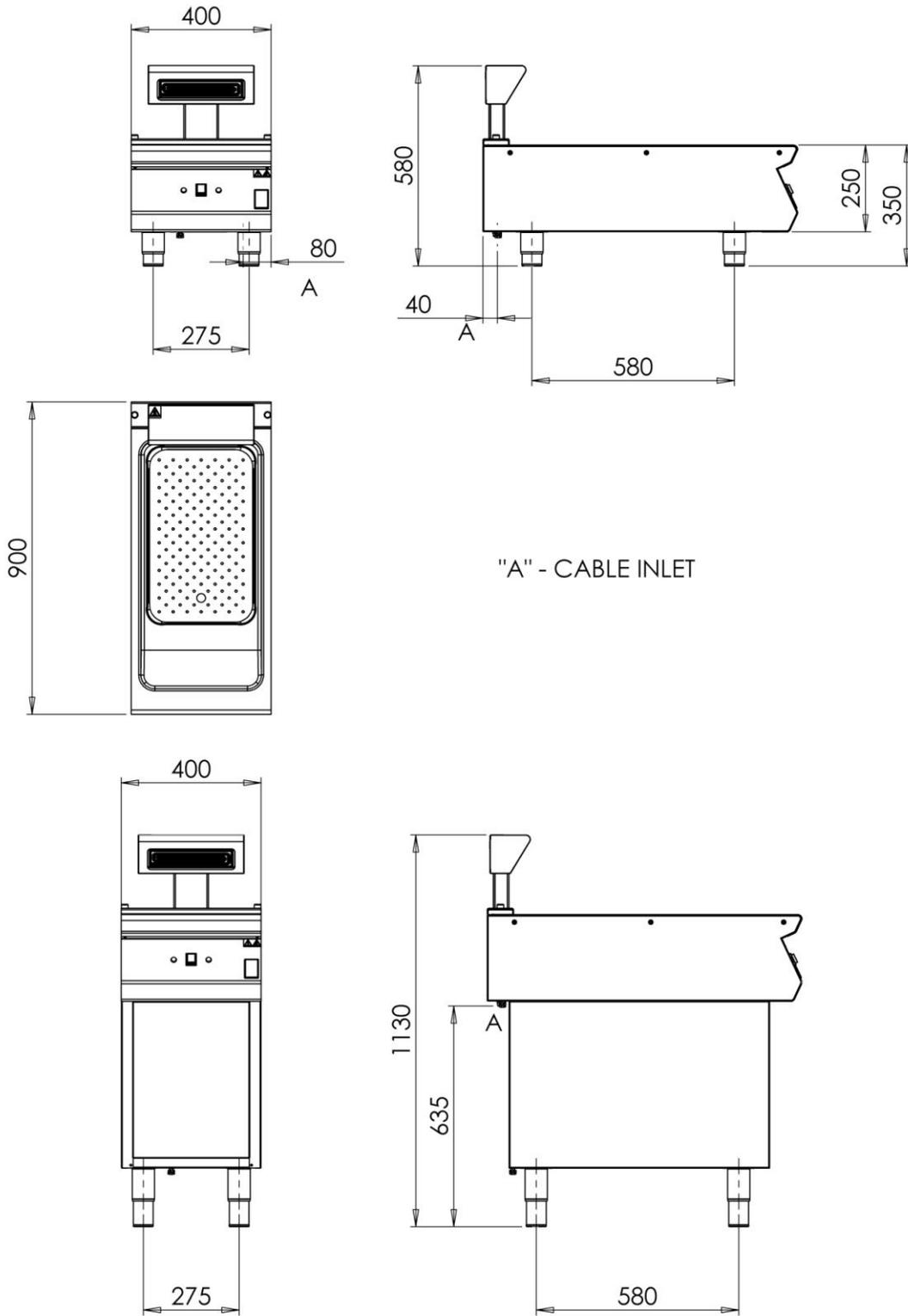
|         |                     |
|---------|---------------------|
| Live    | <b>BROWN</b>        |
| Neutral | <b>BLUE</b>         |
| Earth   | <b>YELLOW/GREEN</b> |



**WARNING: THIS APPLIANCE MUST BE EARTHED**

## 5.0 DIMENSIONS / CONNECTION LOCATIONS

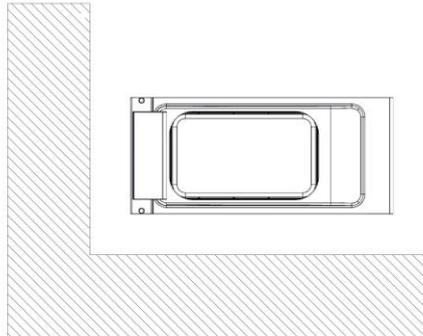
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## 6.0 INSTALLATION

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### 6.1 SITING / CLEARANCES

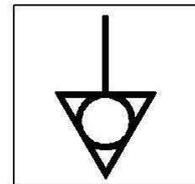


**THIS APPLIANCE CAN BE SITED AGAINST A COMBUSTABLE WALL. CAUTION: IF SITING THE NECESSARY CLEARANCES TO ANY COMBUSTIBLE WALL MUST BE THE LARGEST FIGURE GIVEN FOR INDIVIDUAL APPLIANCES INSTRUCTIONS.**

### 6.2 SUPPLY CONNECTION

6.2.1 A suitable supply cord is supplied that conforms to code designation 60245 IEC 57, cable type H07RN-F. This appliance is designed to, and must, be connected to fixed wiring. If cord is damaged, it must be replaced by a suitably qualified person. Access to mains terminal block is gained by removing control panel. (See 7.2)

6.2.2 This appliance is also provided with a terminal for connection of an external equipotential conductor. This terminal is an effective electrical contact with all fixed exposed metal parts of the appliance, and shall allow the connection of conductor having a nominal cross-section area of up to 10mm<sup>2</sup>. It is located at the rear of the unit and identified by the following label and must only be used for bonding purposes.



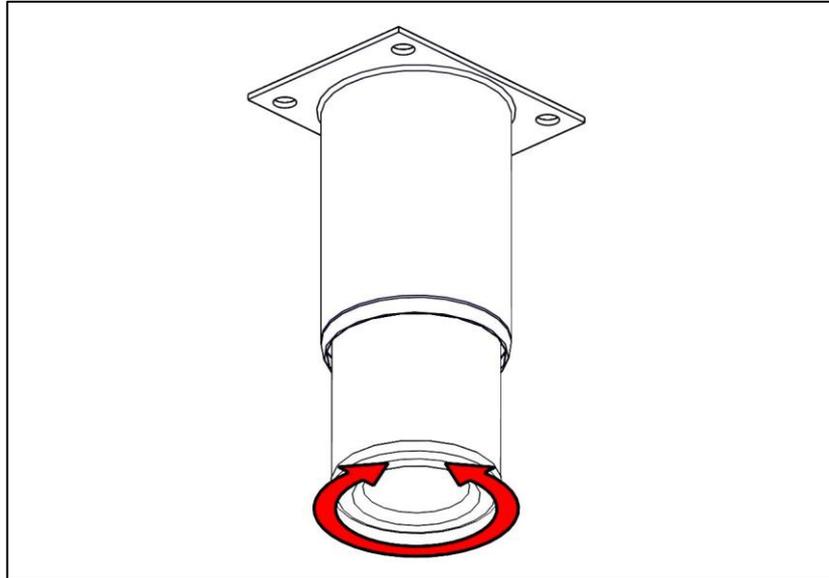
### 6.3 ELECTRICAL RATINGS

6.3.1 Electrical loading is as stated in table below and also on appliance data plate. The location of mains isolating switch should be identified for use in any event of an emergency or during cleaning.

| Connection | Power Input Top Element | Power Input Bottom Element | A @ 230V | Internal Fuse Rating |
|------------|-------------------------|----------------------------|----------|----------------------|
| L1         | 460W                    | 460W                       | 4A       | 8 A                  |

## 6.4 ASSEMBLY

6.4.1 Position appliance and level using feet adjusters as shown below.



6.4.2 Connect appliance to electrical supply, as detailed in section 4.

## 6.5 COMMISSIONING

6.5.1 Switch on mains supply. Red neon will illuminate.

6.5.2 Press switch to turn on heating elements. Amber neon will illuminate.

6.5.3 Ensure both elements heat up.

If the appliance does not operate correctly please refer to section 7.0 and rectify the problem.

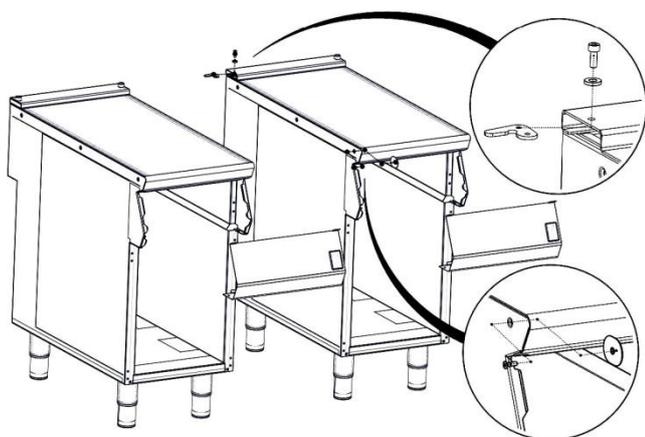


**PLEASE FILL OUT THE INFORMATION TABLE ON THE FRONT COVER AFTER COMMISSIONING.**

## 6.6 SUITING

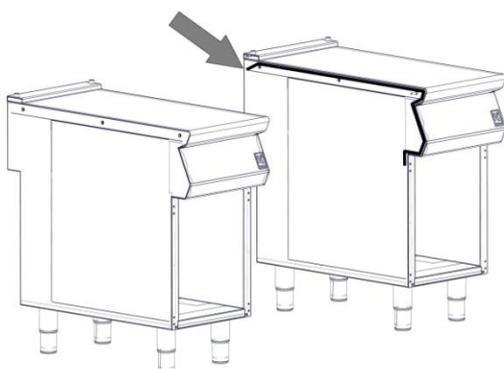
***“Patent pending, application no. GB 1511389.7”***

- 6.6.1 Before levelling and suiting units ensure the units are fully built, including all accessories and castings.
- 6.6.2 Undo the 4 fixing screws on the control panel and remove.
- 6.6.3 Remove the hob rear infill and replace with rear suiting plate and fixings.
- 6.6.4 Remove the front side panel countersunk screw and suiting plate.

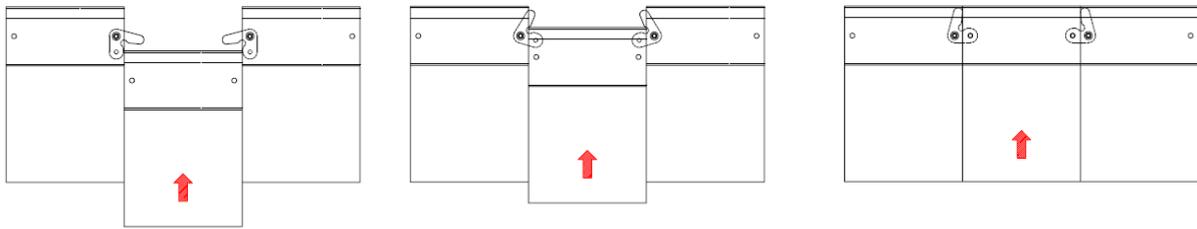


**NOTE:** The DLS system is designed to give a quick and easy suiting solution. If you require an improved seal between appliances we recommend you use, a food grade, high temperature silicon sealant. This can be supplied by Falcon part no – 523400021

- 6.6.5 Run a bead of silicon 5mm from profile edge as highlighted below.



6.6.5 Slide suited units into position.



6.6.6 (A) Right hand unit: Screw the M5 x 40 screw (supplied in the kit) into one of the suiting plates as shown and then insert through the front fixing holes of both units.

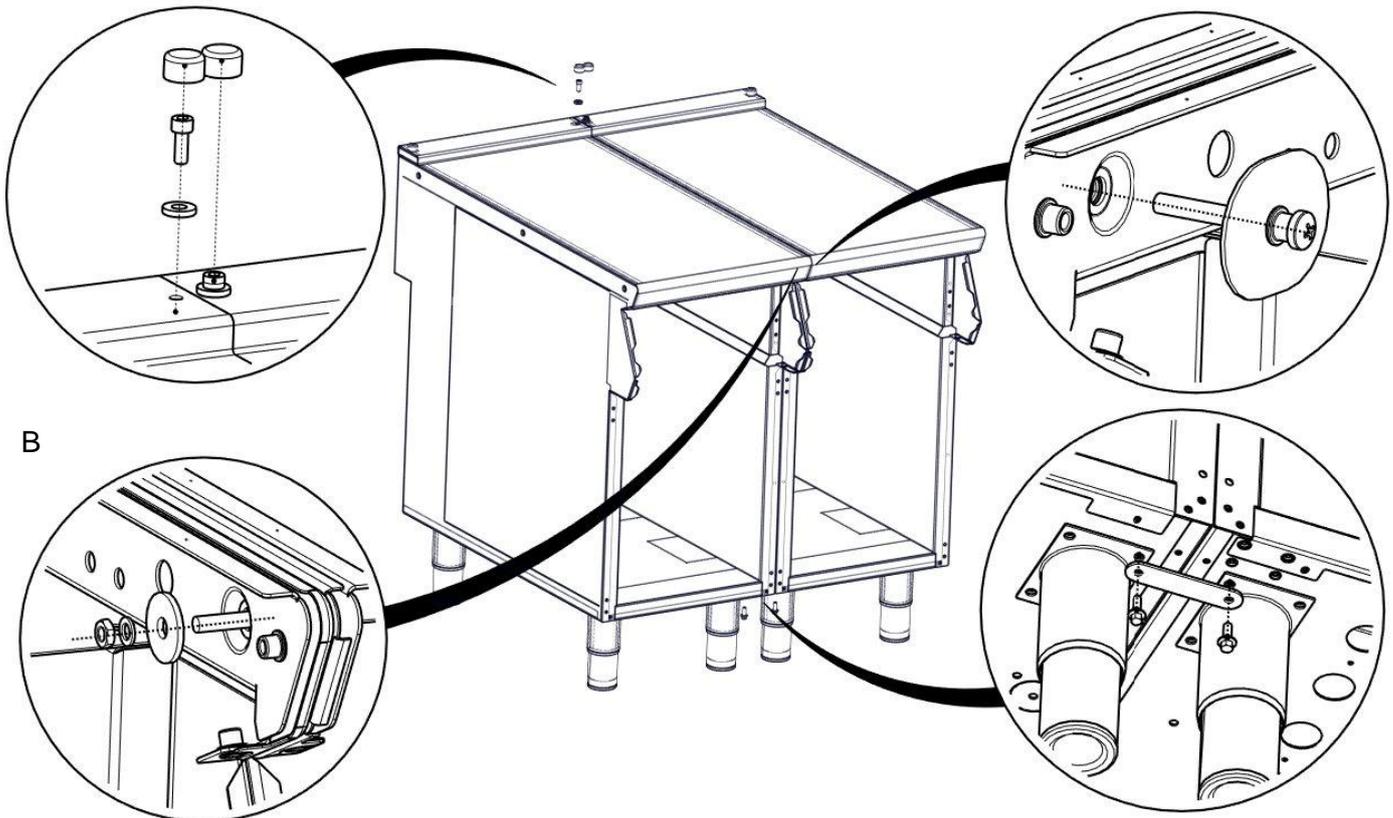
6.6.7 (B) Left hand unit: Slide the penny and lock washer on to the screw and secure using the M5 nut.

6.6.8 (C) Remove the front bolts from feet, insert base tie plate and secure the bolts back into position.

6.6.9 (D) Replace fixings on the rear hob and tighten screw caps into position.

D

A



B

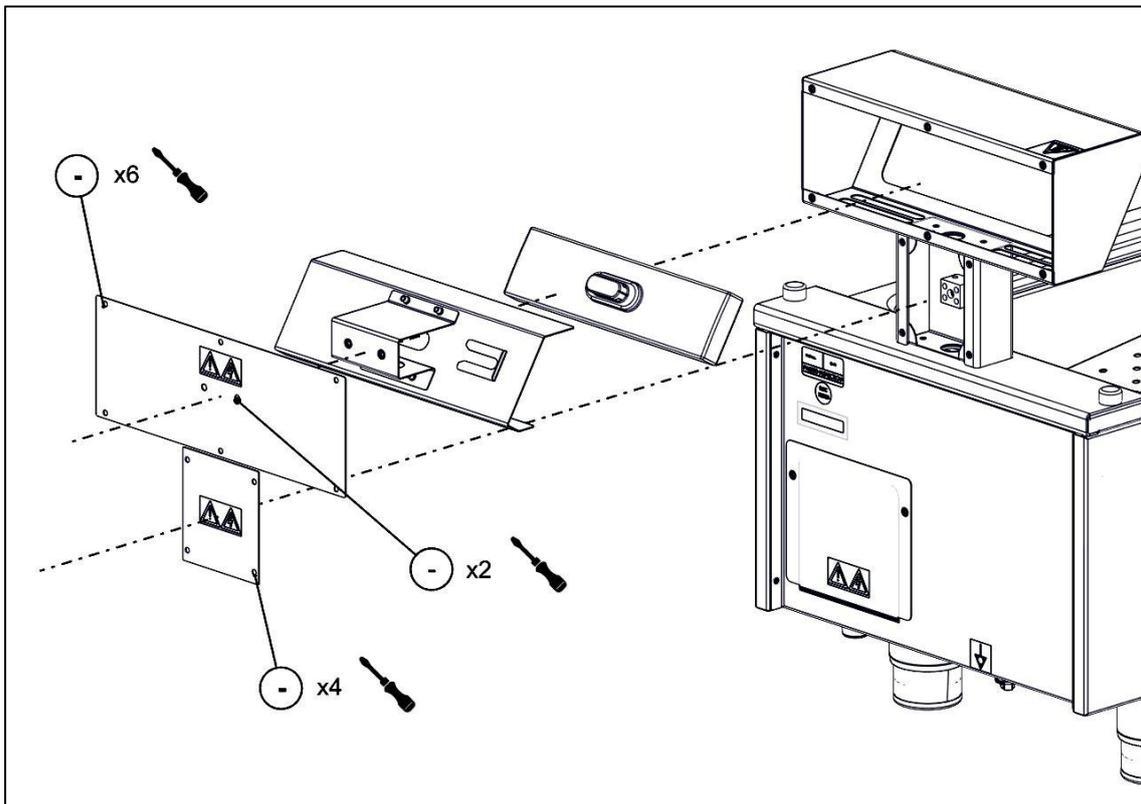
C

6.6.10 Replace control panel.

## 7.0 SERVICING

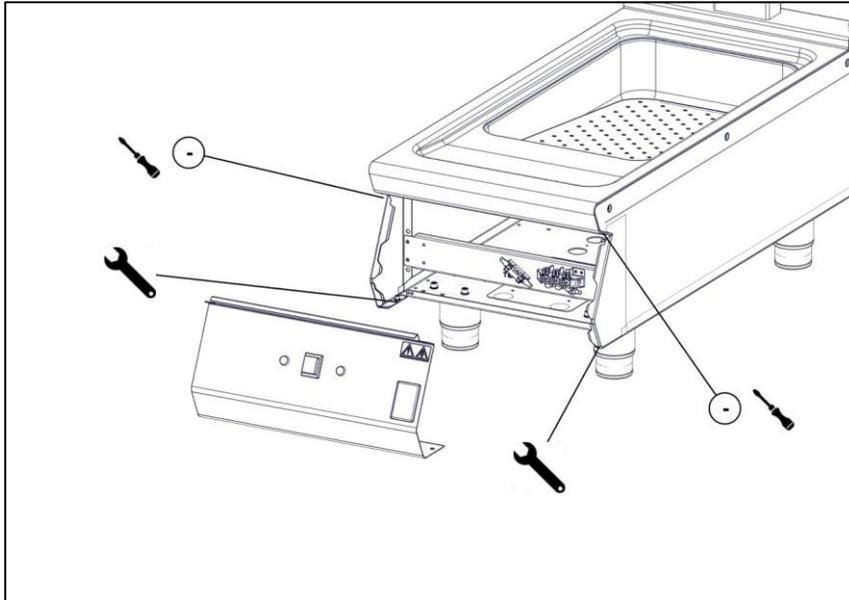
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### 7.1 HEAT LAMP



- 7.1.1 Disconnect appliance from mains supply.
- 7.1.2 Remove rear panels as shown.
- 7.1.3 Disconnect heat lamp connections from terminal block.
- 7.1.4 Remove heat lamp bracket as shown.
- 7.1.5 After replacement, check heat lamp's performance.

## 7.2 CONTROL PANEL



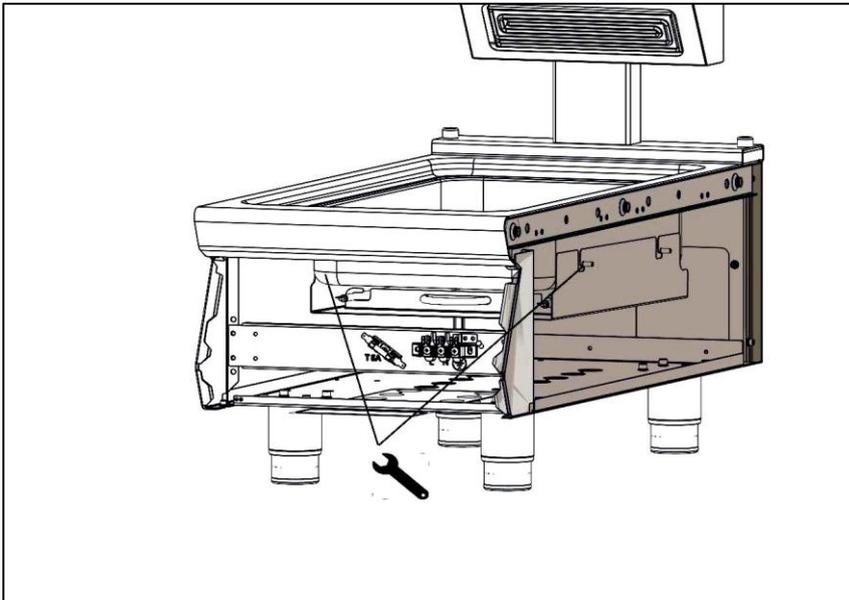
7.2.1 Remove control panel as shown.

## 7.3 INTERNAL FUSE

7.3.1 Remove control panel as shown in 7.2

7.3.2 Replace fuse.

## 7.4 BOTTOM ELEMENT



7.4.1 Remove control panel as shown in 7.2.

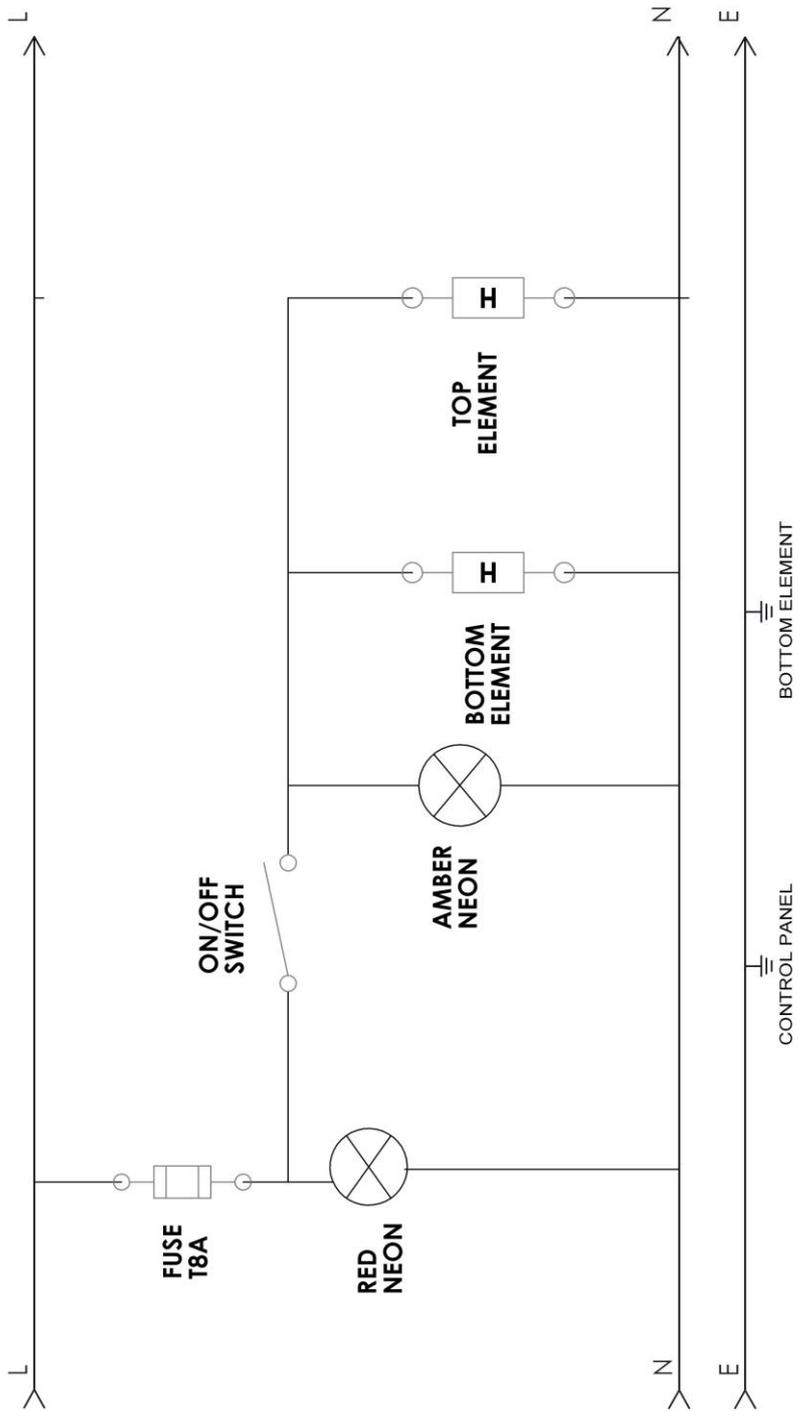
7.4.2 Loosen the 2 front M5 nuts as shown.

7.4.3 Lift element tray up, slide rearwards, lower tray clear of locating studs and remove.

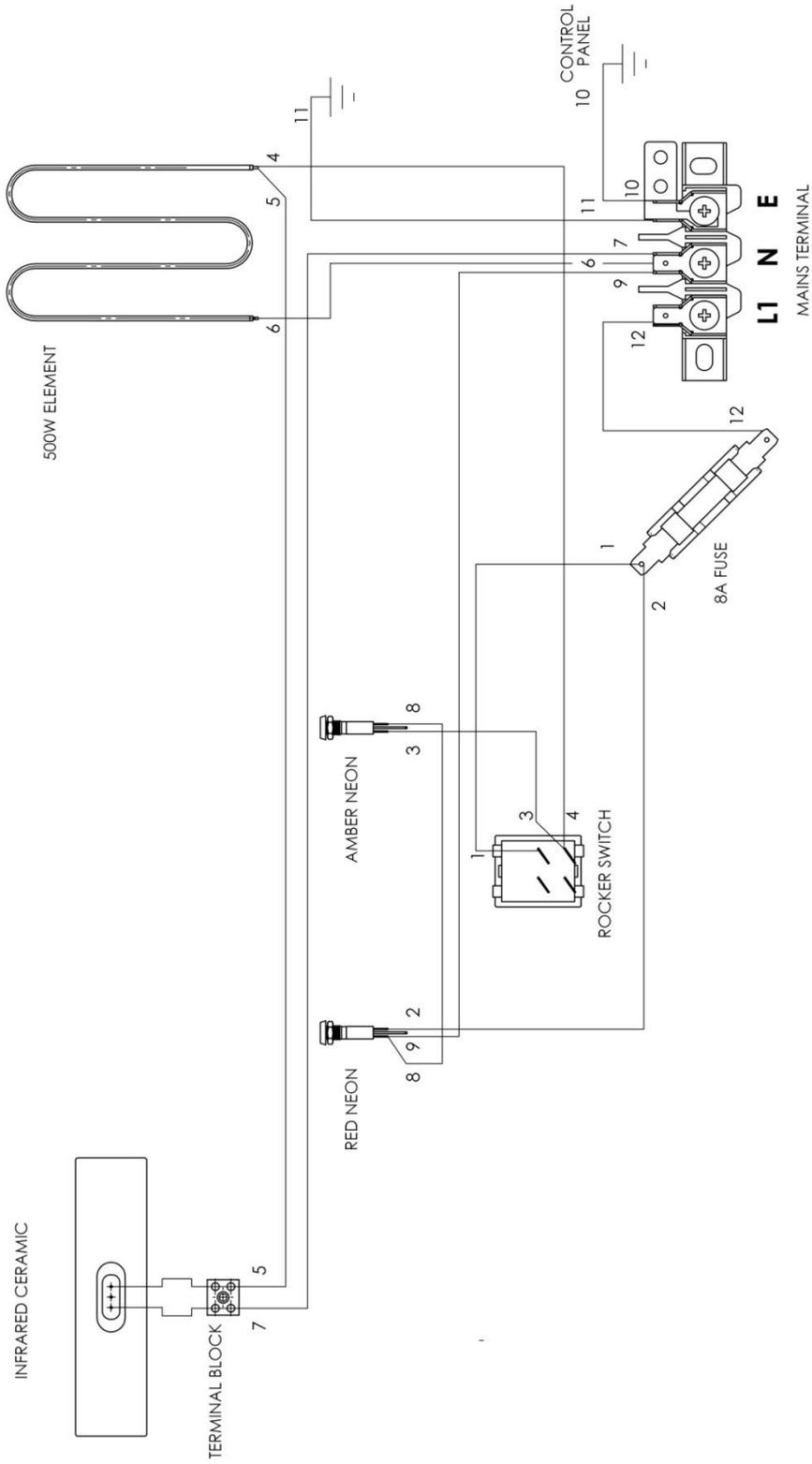
7.4.4 Remove element clamps and earth cable.

7.4.5 Replace in reverse order

## 7.5 CIRCUIT DIAGRAM



## 7.6 WIRING DIAGRAM



## 8 FAULT FINDING

| FAULT   | POSSIBLE CAUSES               | REMEDY                               |
|---|-------------------------------|--------------------------------------|
| No heat from ceramic heat lamp                                | Faulty element                | Renew                                |
|   | Faulty wiring                 | Diagnose, rectify/renew as necessary |
| No heat from bottom element                                   | Faulty element                | Renew                                |
|   | Faulty wiring                 | Diagnose, rectify/renew as necessary |
| No power to unit (red neon does not illuminate)               | Disconnected from mains power | Check, reconnect                     |
|   | Blown Internal Fuse           | Renew                                |
| No heat or amber neon when switched on (red neon illuminated) | Faulty rocker switch          | Rectify/renew                        |
|   | Fault in wiring               | Rectify                              |
|   |                               |                                      |
|   |                               |                                      |
|   |                               |                                      |
|   |                               |                                      |

## 9 SPARE PARTS

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Main Spare Parts:

- Infrared Ceramic Heater 460W
- Terminal Block
- HS Base Element 460W
- Red Neon
- Amber Neon
- Rocker Switch
- 8A Fuse

When ordering spare parts please quote the following;

**Model Number**

**Serial number**

This information will be found on data plate attached to the appliance. (see 1.0)

Visit our website for further spares information.

## 10 SERVICE INFORMATION

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It is recommended to have a maintenance contract with a local service provider.

**SERVICELINE CONTACT:**

**(UK only)**

**Phone: +441438 363 000**

### **Warranty Policy Shortlist**

For our warranty policy please go to [www.falconfoodservice.com](http://www.falconfoodservice.com)