Euroheat Distributors
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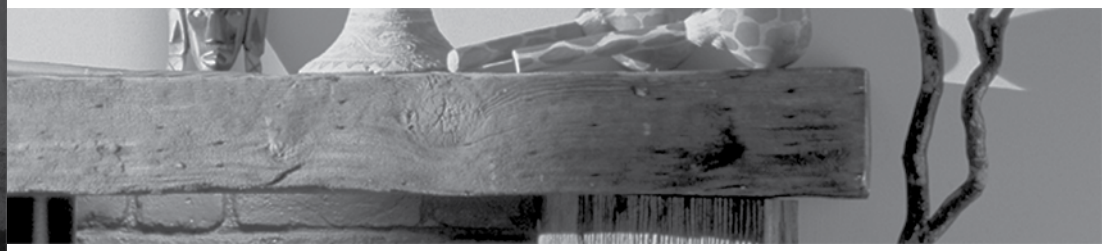
Unit 2, Court Farm
Business Park,
Bishops Frome,
Worcestershire,
WR6 5AY.

Euroheat
The Stove Company

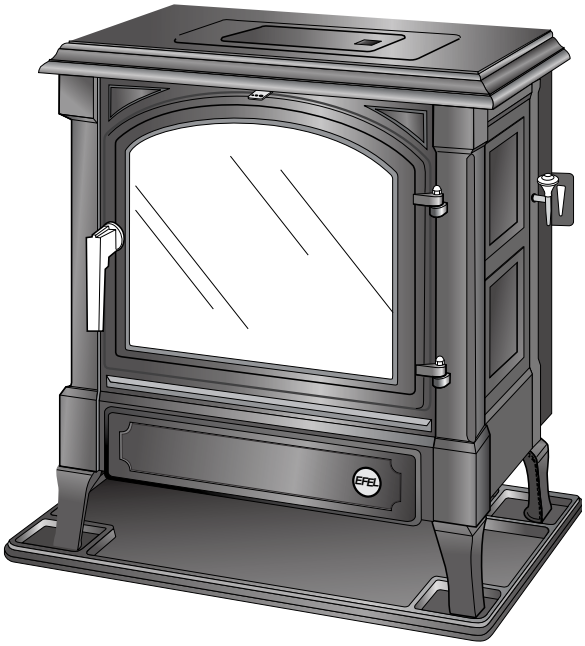


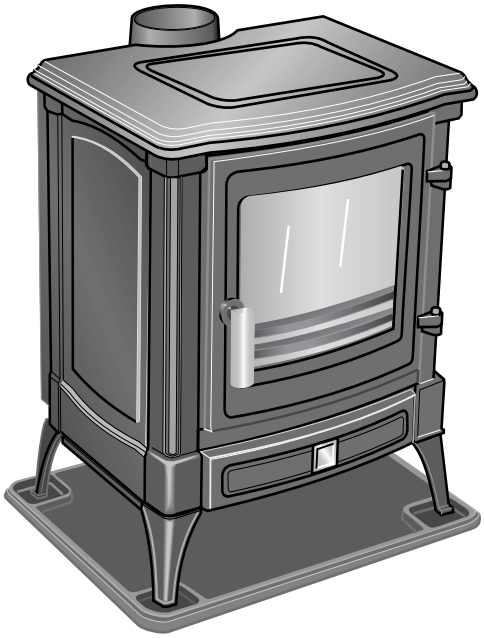
Servicing Instructions for

Harmony 5

Stanford 50

Multifuel Stoves



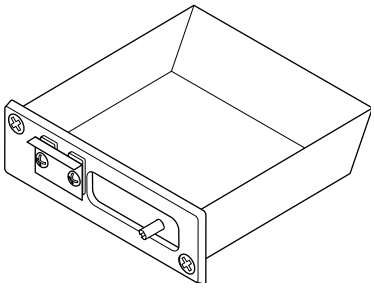


E & OE Instructions Part No. IN1187 Edition A

INTRODUCTION

The Harmony 5 and Stanford 50 have had two versions.
Mark 1, Part No: 39991. From May 1998 to October 2001.
Mark 2, Part No: 30091. From July 2001 to December 2003.

Mk1 Ash pan



If you cannot find the part number on the Euroheat label on the stove or on the operating or installation instructions then the way too distinguish between the two is not difficult. If you open the lower door and look at the ash pan door on the Mark 1, the door is part of the ash pan itself and has a sliding air inlet in it. On the Mark 2 version there is an ash pan door with a latch behind which the ash pan is located.

Servicing your stove should not be seen as a chore but rather the means to getting the most efficient use and increasing the life of the stove. A badly maintained stove will run inefficiently, so you will burn more fuel, and if left unmaintained for a period could seriously damage the component parts within the stove which will then need replacing.

This booklet details the aspects of servicing and routine maintenace required.

Other documents obtainable on request from Euroheat
IN1086 Technical Guide. The Multifuel Stove.
IN1087 Technical Guide. The Flue.

These guides are available by post by from Euroheat or our web site

www.euroheat.co.uk

Spares may be purchased from:

Your local Euroheat supplier

The Euroheat web site: www.euroheat.co.uk

Direct from the Euroheat Spares Department: 01885 491126

The service engineer is responsible under the health and safety at work act 1974 vi the caustic nature of fire cement and the possibility of disturbing asbestos and other materials such as ceramic in existing installations and to suggest appropriate protection to be given to the person (s) carrying out the servicing. The servicing must be carried out with due reference to the British Standards, Codes of Practice and Building Regulations relevant to the fuel typeinstalled, and the manufacturers installation instructions.
This document is a General Servicing Guide only. It does not replace the installation instructions or building regulations. No servicing should be undertaken unless the engineer is suitably qualified.

Maintenance schedule

1. Weekly

A) Remove any ash that may have fallen from the ash pan in the stove under the grate. If this is allowed to build up it can foul the ash pan which may make closing the ash pan door difficult and allow air to leak into the stove from the ash pan door seal.

B) Check the operation of the riddle mechanism to ensure that it has not become jammed. If it has become hard to riddle, remove all ash from the fire bed and ensure that there is no clinker or nails or screws, which may have been in wood burned, obstructing the movement of the grate.

2. Monthly

A) Visually check the condition of the door rope seals, and if they have become frayed or are coming loose from their channel they may need replacing.

B) Check that the doors are sealing properly when shut and adjust the handle latches accordingly. See page 9.

3. Every 3 Months

A) Remove the rear baffle, see page ??, and remove any soot and debris that may have accumulated there. This may have to be done more regularly if wet wood has been burned or poor quality smokeless fuel or anthracite.

B) Check the operation of the thermostatic damper on the rear of the stove, clear any ash that may be fouling its operation and adjust the gap when the stove is cold. See page 14.

4. At the end of the Heating Season (Summer Shut Down)

A) Do all the above in the weekly, monthly and 3 monthly procedure.

B) Remove all the cast iron plates within the fire box and clean any ash and debris out from the stove. Spray the inside of the stove with a water repellent lubricant such as WD40. Replace the cast iron parts and again spray these with a water repellent lubricant such as WD40.

C) Lubricate the door handle shafts with a lubricant such as WD40.

5. At the start of the Heating Season

A) Have the chimney swept and inspected by an approved (NACS) chimney sweep. The chimney may need sweeping more regularly dependant upon the fuel used and how often the stove is used.

B) Check the door rope seals so as to ensure an air tight seal. See page 8.

C) Check the operation of the riddle mechanism.

D) Light a small fire and ensure all the smoke is being vented up the chimney.

Cleaning the Stove

Cleaning the Glass

Properly operated, with the correct fuel, your glass will remain clean. Slight staining may appear when the stove is lit and below its operating temperature. This will normally clear as the stove's temperature rises.
If it becomes necessary to clean the glass by hand do not attempt to do so unless the stove is cold. Proprietary glass cleaning agents are available but they must specifically state its suitability for ceramic stove glass before being used because the glass in you stove is not ordinary glass and may be damaged with an unsuitable cleaner.
Newspaper moistened with water to which a little vinegar has been added will normally remove most staining, but for really stubborn marks, gentle polishing with fine steel wool lubricated with a few drops of dish washing detergent will need to be employed. Great care must be taken not to clean the glass too vigorously as particles of grit may have adhered with the stain and these could cause scratching if dragged across the glass. However well the stove burns it will eventually become necessary to clean the glass, but if cleaning becomes necessary too often we advise you to review your operating procedures to determine whether cleaner and more efficient combustion can be achieved (only burn dry seasoned wood).

The Stove Body

Dusting the stove may be carried out when the stove is at its minimum heat output temperature, using light strokes of a real bristle paint brush. Thorough cleaning, or any attempt to remove marks on the stove body must only be done when the stove is cold. Stoves with an enamel finish should be cleaned with a damp cloth, or very gentle use of a cleaner recommended for enamel finishes. It should be noted that even approved cleaners will damage the highly polished finish of the stove if used too vigorously. All traces of the cleaner must be removed before the stove is lit and no finishing polishes must ever be used as these will leave unsightly streaks on the stove when it becomes hot.
Stoves with a cast black finish should never be cleaned with a cloth as the texture of the paint will abrade and collect lint from the cloth which will be almost impossible to remove. Vigorous brushing with a stiff real bristle paint brush will remove all dust, but where the paint is marked, the stains are better obliterated with a spray of suitable stove paint rather than attempts made to clean them off. Suitable paint may be purchased from a stove shop or direct from Euroheat.

Respraying the Stove Surface

Remove any dust and dirt with a stiff brush or vacuum with a brush attachment. Mask off any areas of the stove you do not wish to re-spray and the area surrounding the stove. The door handles and doors can be removed if require, see the section on hinge pin removal and door handle adjustment, page 9.
Shake the can vigorously for a minute to mix the contents and apply the paint thinly and evenly over the surface, avoid over application as this will produce unsightly runs on the surface. It is better to use a few thin coats than one thick one.

Order numbers for spray paint

Surface to be sprayed	Part Number	Size of can
Cast iron body	40785	200ml
Rear heat shield	60429	400ml

Repair of the Enamel Surface

The enamel surface of the stove may become chipped if it is hit with a hard object such as a coal shovel or operating tool. Suitable cold enamel touch up paint may be purchased.

To prepare the surface remove any loose or flaking enamel finish and brush or vacuum the area to remove any dust and dirt. If the touch up is supplied in a bottle shake vigorously for a minute to mix the contents. If supplied in a tube squeeze out some of the contents onto a clean sheet of paper and mix with a match stick as it may have become separated in the tube. Apply a thin layer of touch up to the surface allowing it to dry before applying further layers to build the surface up to the surrounding enamels height. Leave to dry before firing the stove.

If your stove has an enamel finish you will notice, after the stove has been used several times, it develops what is called a "crackle" pattern in the enamelling. This is caused by the different expansion rates between the enamel and the cast iron, it is normal and should not be regarded as a fault or indicating that the stove is beginning to shed its finish.

Order numbers for Touch up paint

Enamel colour	Part Number
Satin black enamel	27440
Bottle green enamel	27437
Majolica brown enamel	27441
Blue enamel	31272
Mediterranean green enamel	31271

Brass Fittings

Any proprietary brass cleaner may be used to clean the brass on the stove, but care must be taken to ensure the polish does not come into contact with the stove enamel or the black cast finish, where it will leave a stain.

Nickel and Black Heamatite Fittings

Any proprietary chrome or aluminium cleaner may be used to clean the decorative fittings on the stove, but care must be taken to ensure the polish does not come into contact with the stove enamel or the black cast finish, where it will leave a stain.

The Flue

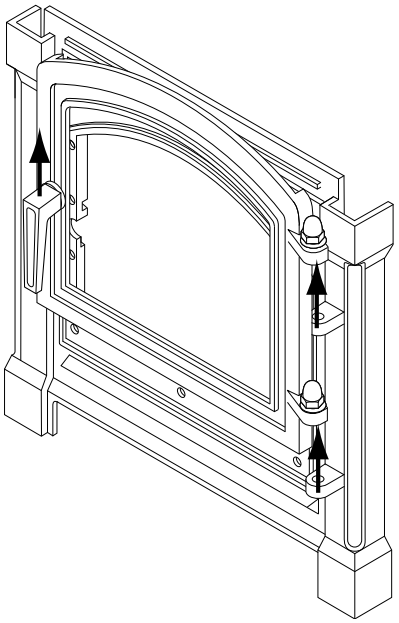
Even if your flue is correctly lined it is advisable to run your stove at a high setting to thoroughly warm the flue periodically and ensure it is swept regularly. If the stove has not been used for some time it will be necessary to ensure the flue has not been blocked with twigs from home building birds or blocked with other obstructions before the stove is lit. Lighting a small piece of paper within the stove will determine the flue's ability to remove any products of combustion.

National Chimney Sweeps Association
Telephone: 01785 811732

The Solid Fuel Association
Telephone: 0845 6014406

Front Door Removal

To remove the door undo the handle and open the door.
Lift the door and hinge pins straight up holding the hinge side of the door and the handle.
Reverse the procedure to refit ensuring that if there were any washers fitted these are also refitted.



Open door and lift upwards holding hinge side of door and the handle.

Order numbers for hinge pins

Description	Stanford 50	Harmony 5
Upper door	31848	19915

Hinge pins.

The hinge pins on the Stanford stoves may, over time, ride up with the opening and closing of the door. It is essential that you knock these back down so that they do not fall out. If one does fall out then there is a danger that the door will drop down and snap off the hinge still attached with a hinge pin. This would then require a new front panel fitting to the stove.

Using a dot punch on the side of the hinge pin in two places may help stop the hinge pins from riding up.

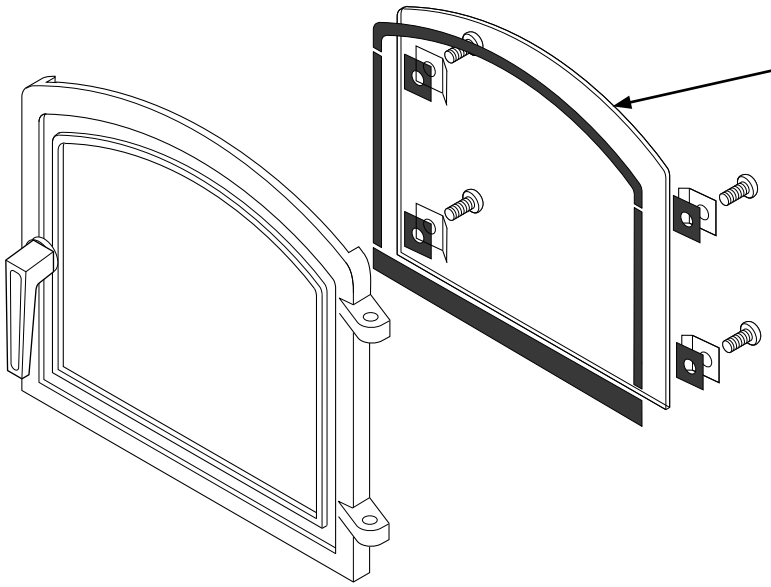
Glass and Glass Seal Set Replacement

When replacing the glass on any of the stove models supplied by Euroheat the glass seal should also be replaced. Failure to do so could cause damage to the glass or allow air into the stove in an uncontrolled manor which may be detrimental to the performance of the stove.
The seals should be checked annually and replaced if they have become damaged or show signs of leakage.
The seals may be either a rope seal or a ceramic fibre gasket. In all cases these are interchangeable.

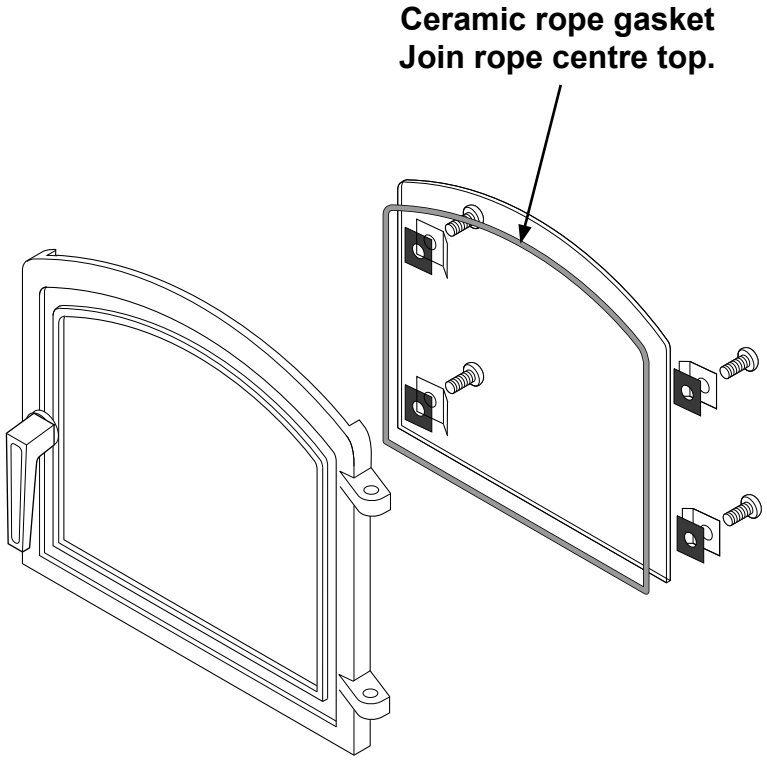
It may be easier to replace the glass by removal of the door and lying it down on a stable flat surface.

Glass and Seal Set Removal Single Panel Glass

Undo the four glass clip screws and carefully lift off the glass panel from the door frame. With a blunt instrument such as a screwdriver scrape away the old ceramic glass seal from the door frame. If it has a rope seal which needs to be renewed pull out the old rope seal and with a blunt instrument such as a screwdriver scrape away the old rope glue and any dirt. Clean away any remaining residue with a wire brush.



The ceramic fibre gasket set
This comprises of precut shaped ceramic fibre strips which fit the shape of the glass and pads which fit behind the glass retaining clips.



The ceramic rope gasket set
This comprises of a length of self adhesive ceramic rope which fits into the groove on the door frame, the shape of the glass, and pads which fit behind the glass retaining clips.

Order numbers for Glass and Glass Seal sets

Stove model	Seal set	Glass
Harmony 5	37635	32724
Stanford 50	MS078	MS0777 Flat glass/ 35602 Bowed glass

Replacement of Ceramic Strip Gaskets and Glass Harmony 5

Lay the ceramic strips around the door frame in the shape of the door. Lay the glass panel onto the ceramic strips. Push the screws through the glass clips and glass clip seals and then screw into the threaded holes in the door frame.
It is very important that although the glass clips should hold the glass panel in place there should be some movement when the glass is pushed down onto the ceramic seal. This will allow for expansion and contraction of the glass and the door frame when the stove heats and cools, which could cause the glass to break.

Replacement of Ceramic Rope Gasket and Glass Stanford 50

Remove the adhesive strip cover paper from the ceramic rope and place this side downwards into the grove around the window in the door, cut off any excess rope. Push the ceramic rope down into the groove to ensure that the adhesive comes into contact with the door frame, the rope starting and finishing top centre. Lay the glass panel onto the ceramic rope seal. Push the screws through the glass clips and glass clip seals and then screw into the threaded holes in the door frame.
It is very important that although the glass clips should hold the glass panel in place there should be some movement when the glass is pushed down onto the ceramic rope seal. This will allow for expansion and contraction of the glass and the door frame when the stove heats and cools, which could cause the glass to break.

NEVER CLAMP THE GLASS CLIPS DOWN TIGHT ONTO THE GLASS OR FIT THE GLASS CLIPS WITHOUT THE CERAMIC PADS UNDERNEATH AS THIS MAY LEAD TO THE GLASS BREAKING.

Rope Seal Replacement for Front and Ash pan doors

The ceramic rope seals on the three doors need inspecting regularly and replacing when they become damaged or when the adjustment of the door handles will not maintain an air tight seal. To check if the seals are tight is to get a piece of standard A4 copier paper, cut it in half and then fold it in half. Shut it into the door in various places with the door handle closed. If the seal holds the paper tight and it is difficult to withdraw it then the seal is good. If when it is pulled it slides out easily then the door handles will need adjustment or the rope seal will require replacement.

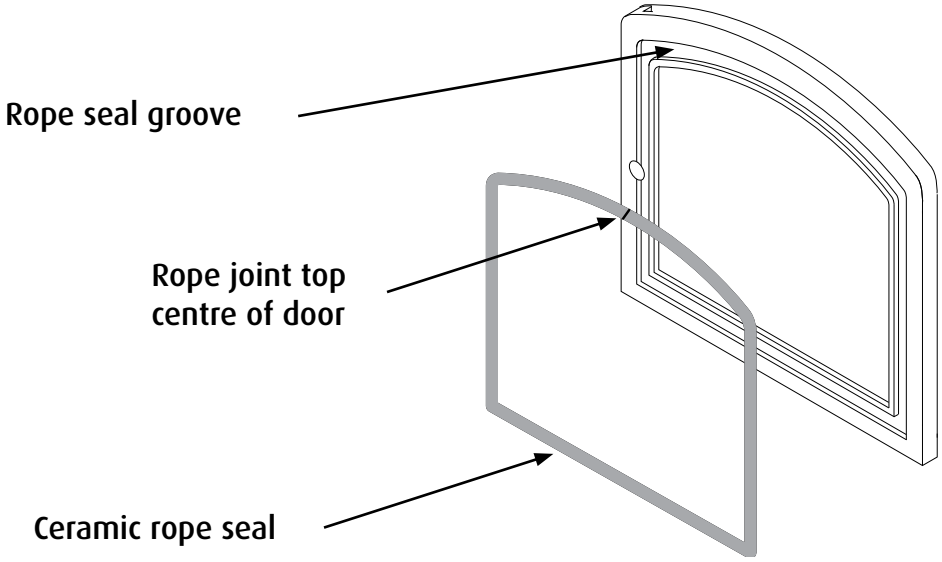
Failure to maintain a good seal will allow uncontrolled air enter the stove. This can cause over firing, excess heat, which can damage the internal components of the stove. Symptoms of this are a stove burning uncontrolably even when the air inlets are shut down.

Order numbers for Door Rope Seal Kits

Stove	Part No.
Harmony 5	RO139
Stanford 50	RO139

Removal of Old Seal

Pull the old rope seal from the rope groove, it may require a flat bladed screw driver to lift it from the groove. Clean the groove of all accumulated dirt and old rope glue, a flat bladed screw driver and wire brush are recommended to clean the groove.



Fitting New Seal

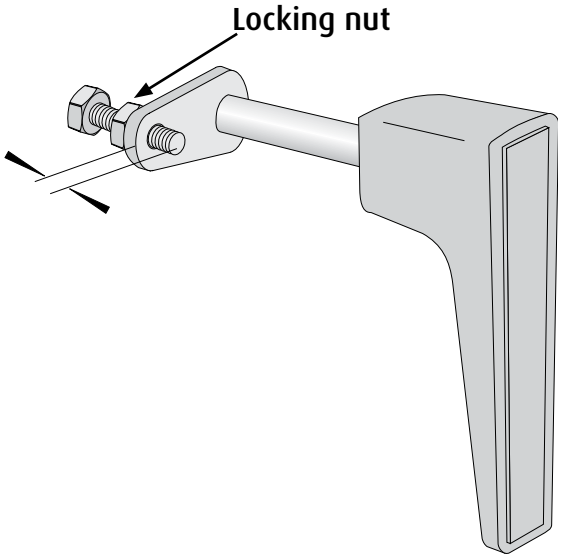
The ceramic rope in the seal set kits it cut to an approximate length, as the kits fit various stoves. Run the rope around the rope groove and cut it to the required length. Remove it from the groove and apply a bead of rope glue into the rope groove. Push the rope back into the groove ensuring that the joint is at the top and fitting tightly together. Close the door and adjust the handle latch accordingly.

Door Handle Adjustment

It is very important for correct operation that all the doors (glass door, side door and ash pan door) when closed are air tight. Your stove is provided with an adjustable door latch.

Handle latch with adjusting bolt

To adjust the furnace door handle latch, loosen the locking nut and adjust the bolt as required. Retighten the locking nut. The adjustment should be made so that when the handle is in its closed position the door is air tight.



Door Handle Replacement

The door handles are supplied in a complete kit form, with handle washers, spacers and latching blade. The most common reason for a handle to be replace is when the stove has stood idle over the summer and not been lubricated with WD40 or a similar product prior to the summer shut down period. The latch becomes very stiff to move and the excess force needed to move the latch breaks the roll pin which holds the handle shaft in place.
If this has broken the whole handle assembly will need replacing.

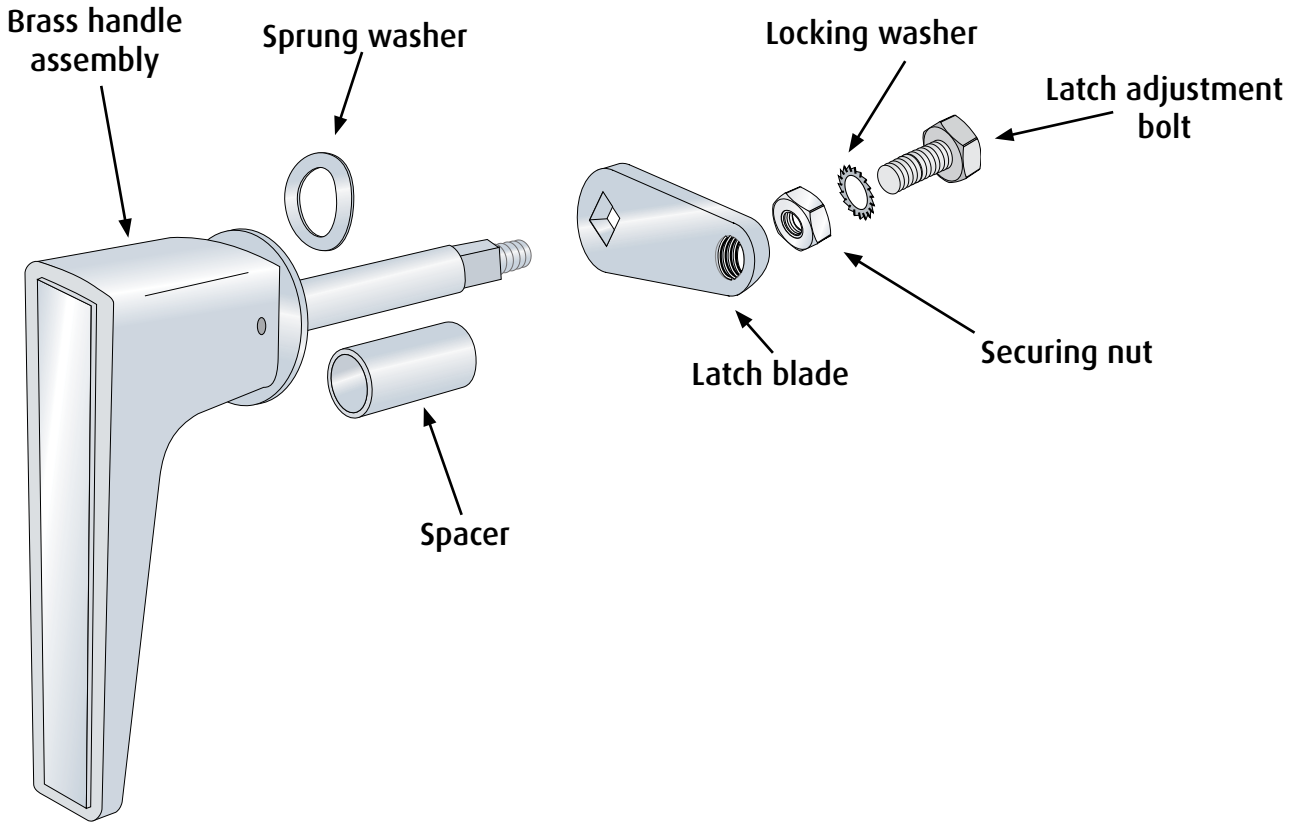
Model	Firebox door
Harmony 5	32828
Stanford 50	39649

Order numbers for Handles

If the handle shaft has seized into the door frame, and the door is closed, then the shaft will have to be sprayed with WD40 or a similar penertrating oil. Leave this to soak for some time. Then with a pair of mole grips or similar type of spanner turn the shaft to open the door. Once the door is open spray the inside of the shaft and the outside again with WD40 and leave to soak. The shaft can then be gently knocked through the frame of the door, taking care as the door frame is cast iron and can crack.

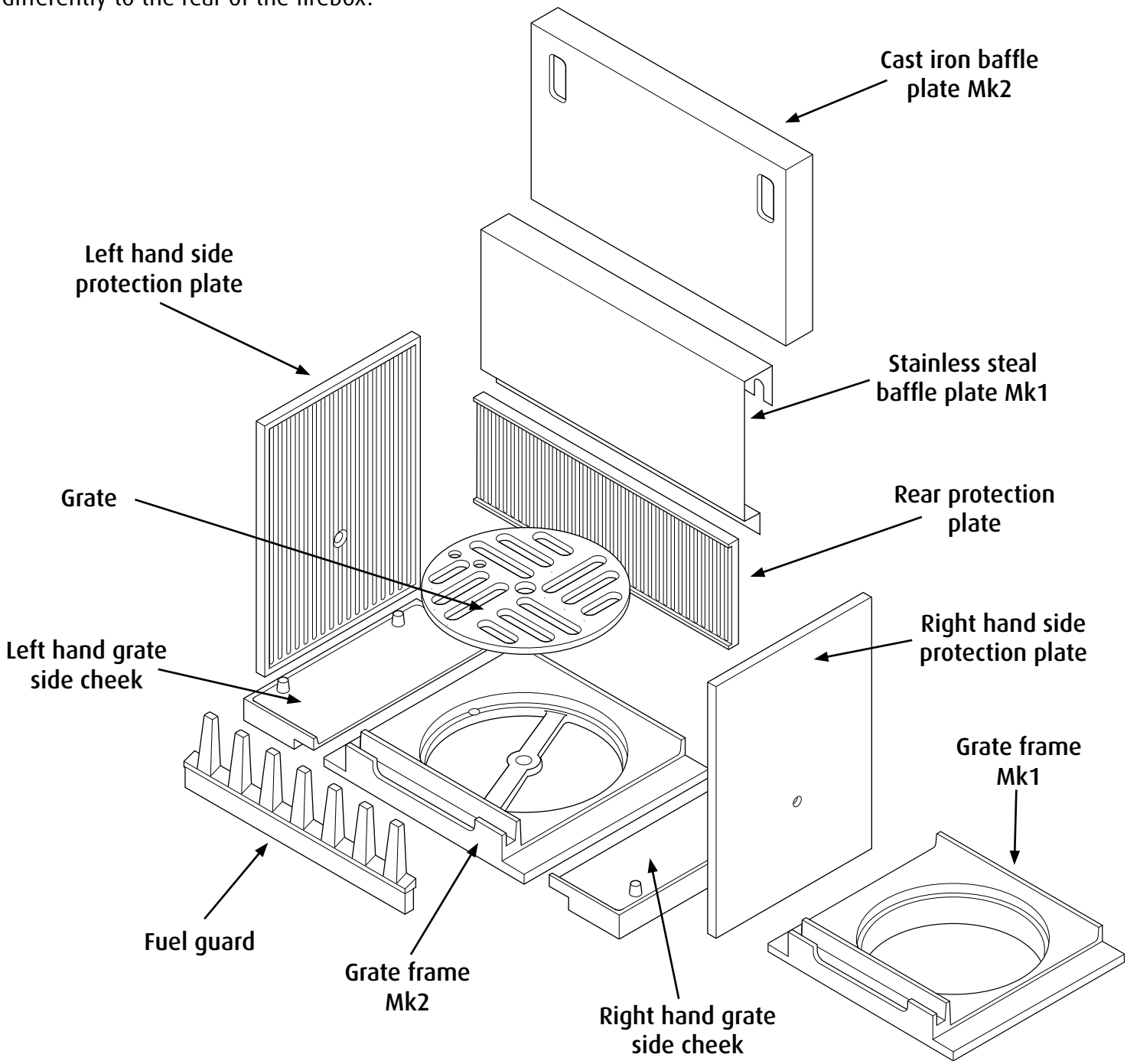
Example of Handle Kit

Harmony 5 Firebox Door Handle



Firebox Components

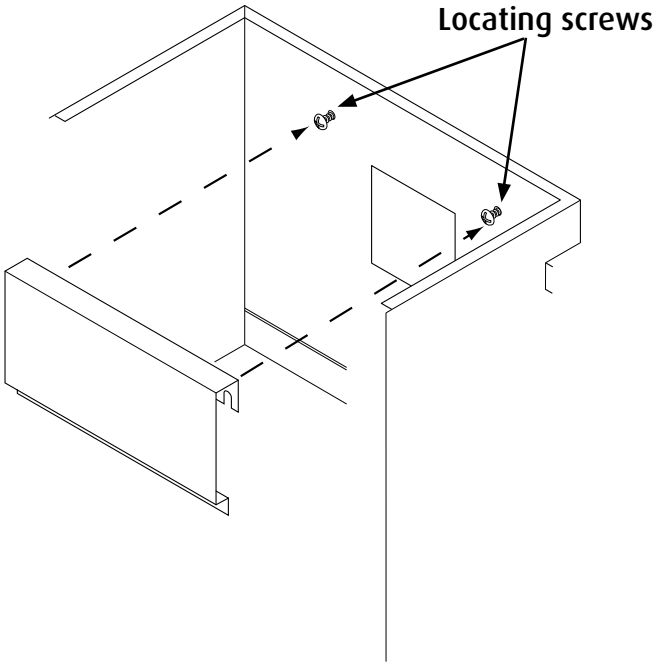
The Harmony 5 and Stanford 50 have had two versions with a different fire box baffle. The original was a stainless steal baffle and the second was a cast iron baffle. These are not interchangeable as they are mounted differently to the rear of the firebox.



Order numbers for Firebox components

Description	Part No:
Cast iron baffle Mk2 stoves	39936
Stainless steal baffle Mk1 Stoves	33384
Rear protection plate	32815
Right & left hand side protection plates	32816
Right & left hand grate side cheek	32798
Grate frame Mk1	32796A
Grate frame Mk2	32796
Fuel guard	32799
Grate	32797

Baffle Plate Removal

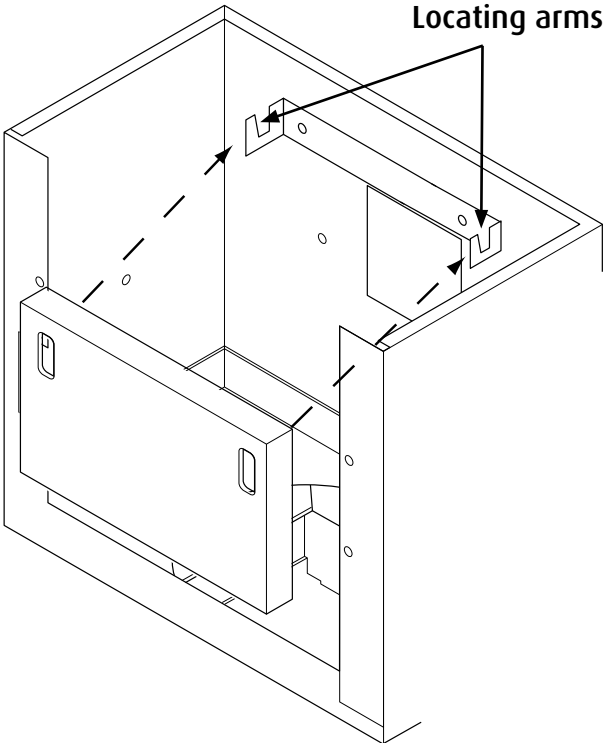


Mark 1 Baffle Removal

The stainless steal baffle is located on the back wall of the firebox. To remove the baffle first remove the fuel guard from the grate frame then lift the baffle upwards so lifting it off the two locating screws on the back wall of the firebox. Once free of the locating screws the baffle can be withdrawn through the firebox door.

With the baffle removed it is advisable to remove any soot and debris that may have accumulated behind the baffle in the flue way at the back of the fire box.

To replace reverse the procedure ensuring that the bottom lip of the baffle plate locates behind the rear protection plate below it.

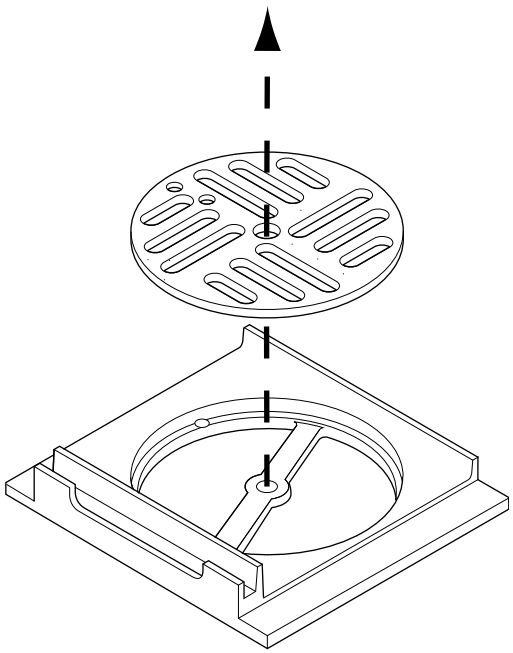


Mark 2 Baffle Removal

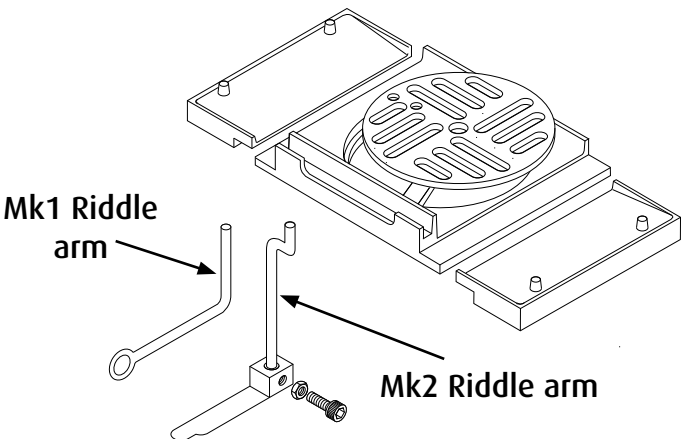
The cast iron baffle is located on the back wall of the firebox. To remove the baffle first remove the fuel guard from the grate frame then lift the baffle upwards so lifting it off the two arms on the back wall of the firebox. Once free of the locating arms the baffle can be withdrawn through the firebox door.

To replace reverse the procedure ensuring that the bottom of the baffle plate rests on top of the rear protection plate below it.

Grate Removal

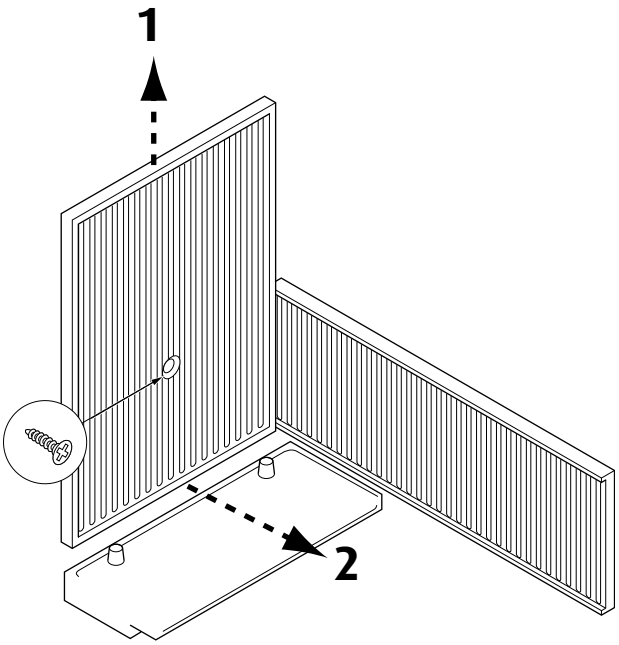


The grate is removed by lifting it up out of the grate frame and withdrawing it through the firebox opening. When refiiting the grate make sure that the riddle arm locates in the small hole in the grate or you will be unable to riddle the stove.



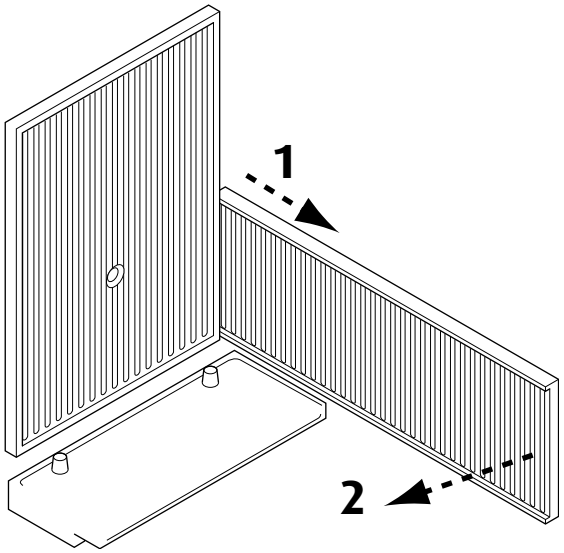
Side Protection Plate Removal

With both the fuel guard and rear baffle removed the side plates can be taken out. In the Mk1 models there is a single screw holding the centre of the plate to the side wall of the fire box. In the Mk2 stoves this was no longer used.
Once the screw has been removed, if a Mk1 stove, the plate should (1) be lifted upwards so the bottom clears the two lugs on the side grate cheek. The bottom of the plate can then be (2) pulled towards the centre of the stove and then the plate manoeuvred so it can be withdrawn through the firebox opening.



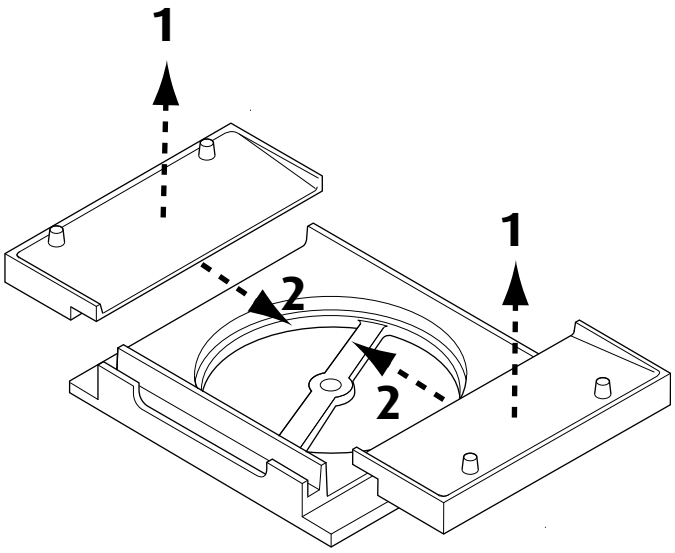
Rear Protection Plate Removal

The rear protection plate requires the removal of the fuel guard, baffle and one of the side protection plates. Once the side protection plate is removed the rear protection plate (1) can be slid out from behind the remaining side protection plate and then (2) withdrawn through the fire box opening. Before fitting the new protection plate it is advisable to clean away any ash and debris.



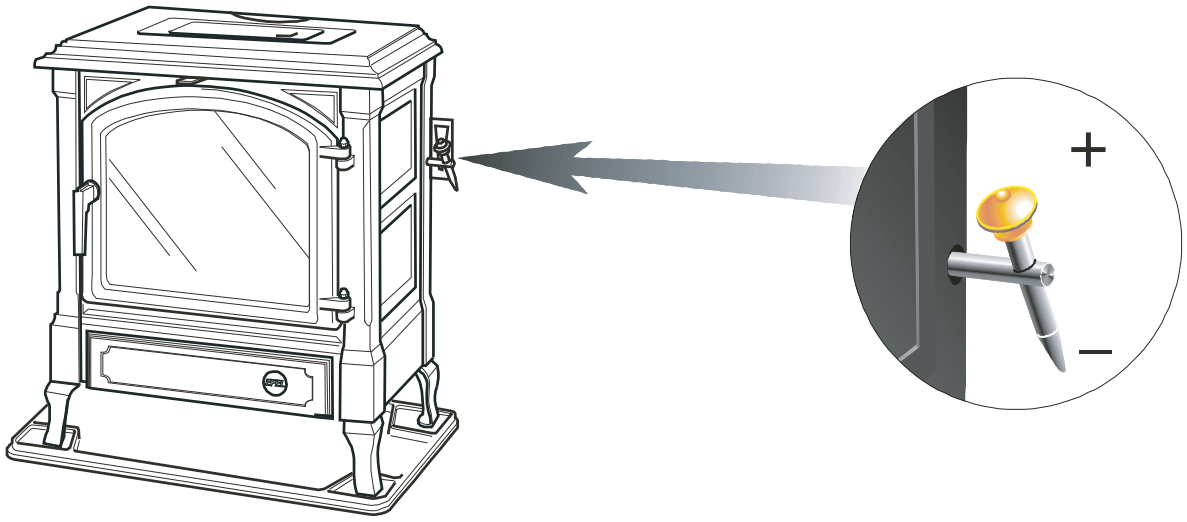
Grate Frame Removal

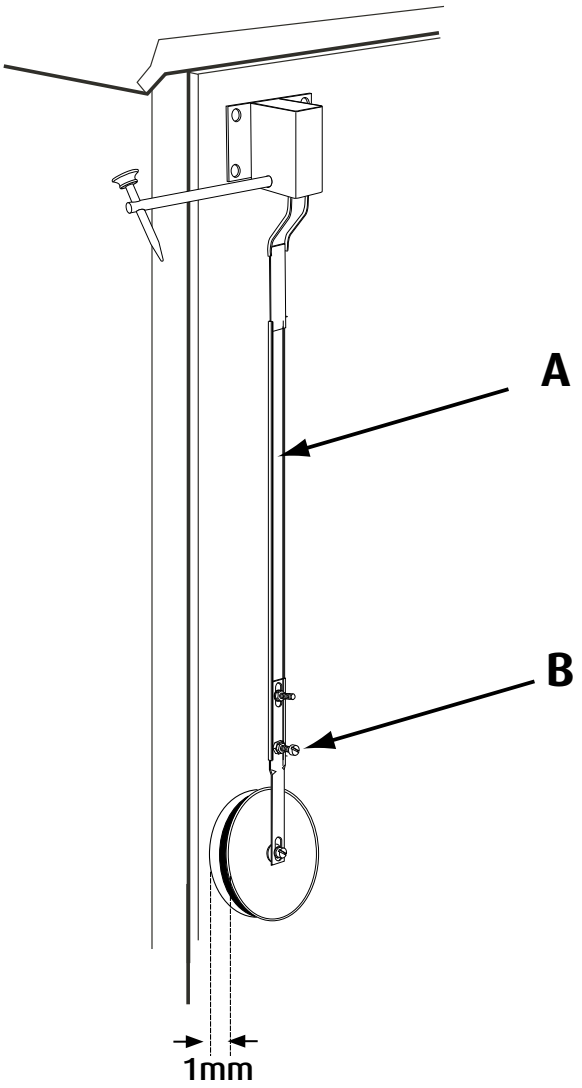
The right and left hand grate side cheeks can be (1) lifted upwards from the grate frame (2) moved towards the centre of the stove and then withdrawn through the fire box opening. The grate frame can then be lifted up and out of the stove.



Adjusting Thermostat Setting

The thermostat should be adjusted with the stove cold and the thermostat in the minimum position.





The cold setting of the thermostat must be checked before the stove is operated for the first time.
The thermostat can be adjusted in two places. A may be bent for course adjustment and B for fine adjustment.

With the stove cold the gap between the inside left of the thermostat disc and the body of the stove should be 0-1 mm at normal room temperature.

Note:
The thermostat disc is designed to close at an angle.

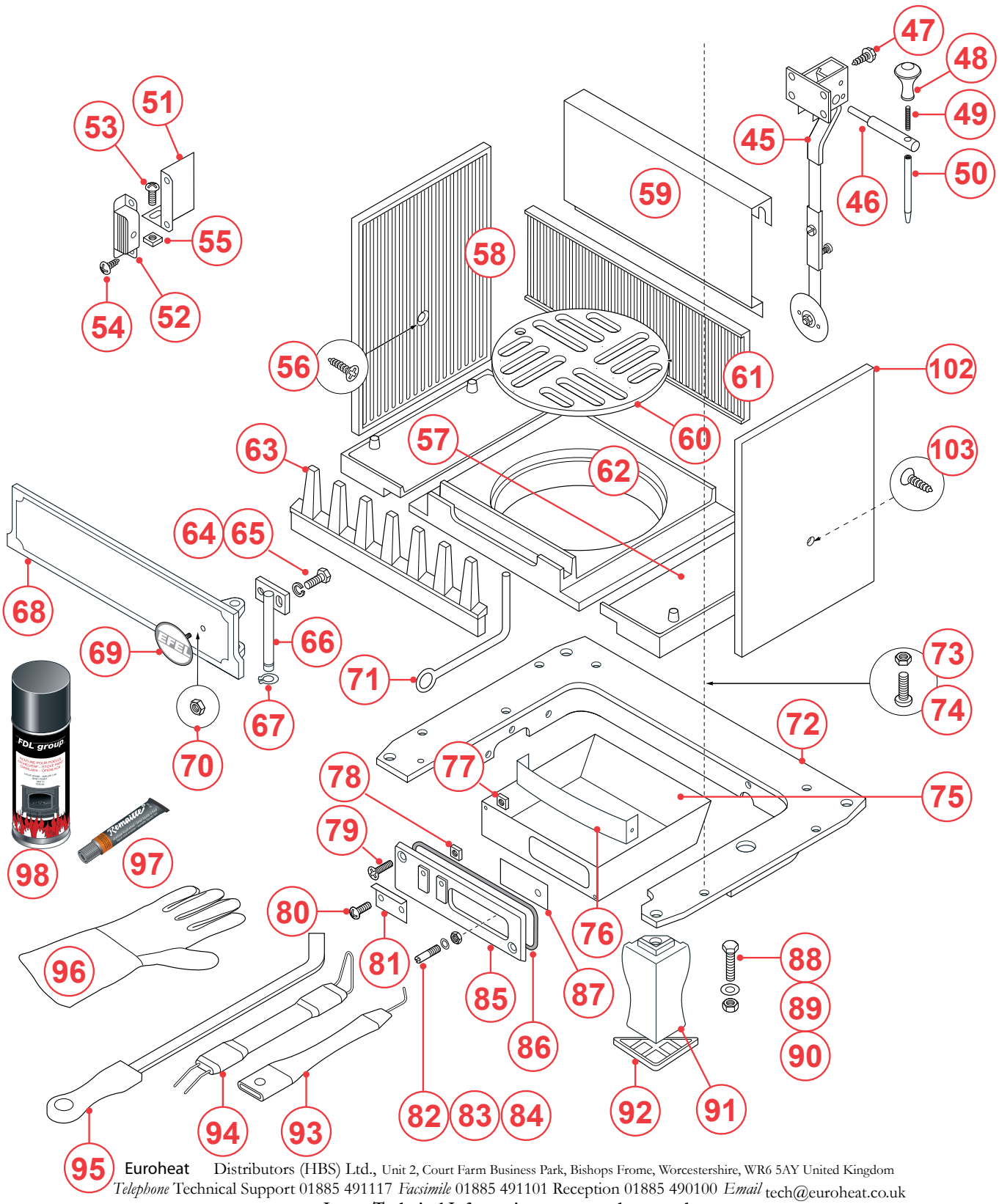
Spare Parts on the web.

Below is an example of one the pages of spare parts diagrams you will find on our web site. These detailed drawings allow you to identify all the component parts of the stove. If you click on the numbers within the circles it will give you the part number and the price of each item. These can then be ordered through your nearest retail outlet or online.

Euroheat Spare Parts System

Harmony 5 Multifuel 3999 1

www.euroheat.co.uk



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Latest Technical Information www.euroheat.co.uk

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www.euroheat.co.uk.

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The Euroheat Technical Team