



Swift 'Aspire' Cooker Service Procedure Manual





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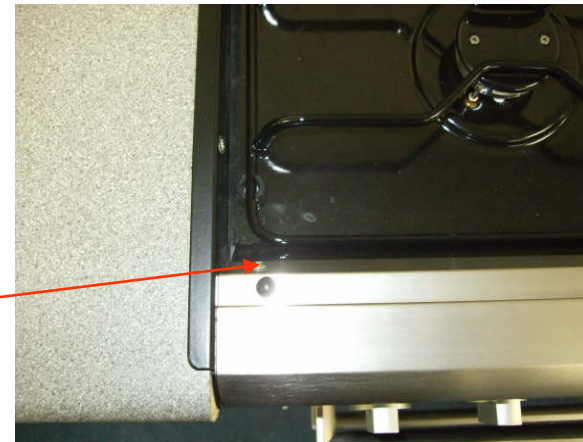
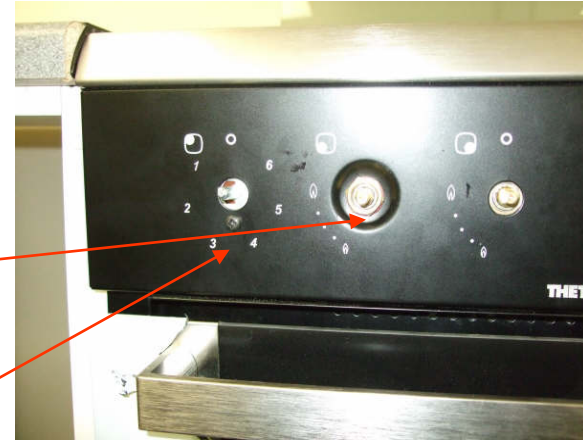
The Fascia

Remove control knobs

Remove 2 x 16mm locking nuts and fibre washers

Remove 2 x screws below electric hotplate switch and below oven valve

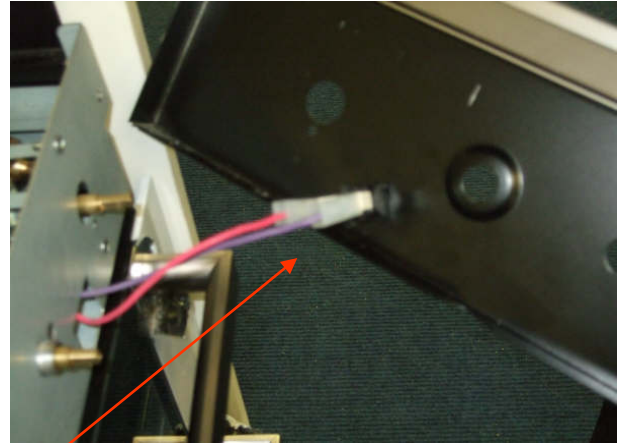
Remove 2 x screws from profile





The Fascia, continued

Lift and pull profile forward in order to remove fascia from pressing



Remove 2 spade connectors from ignition switch (these are not polarity sensitive)





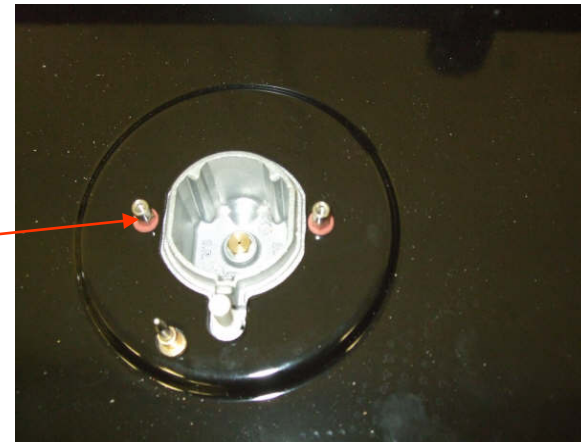
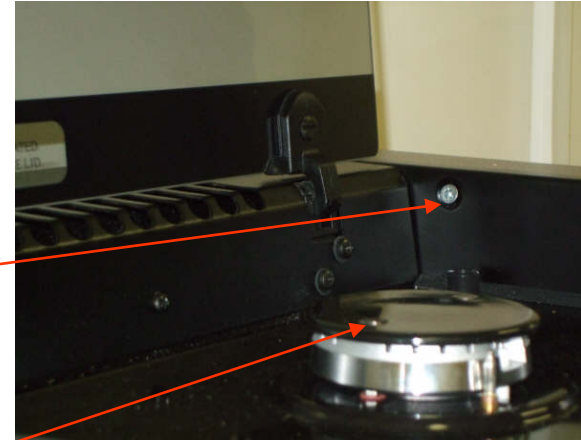
The Hob Pressing

Remove pan support

Remove 4 hob side trim screws
(PZ2 screwdriver)

Remove screws on burner caps
(PZ1 screwdriver)

Remove burner cup fixing studs
(5mm socket)



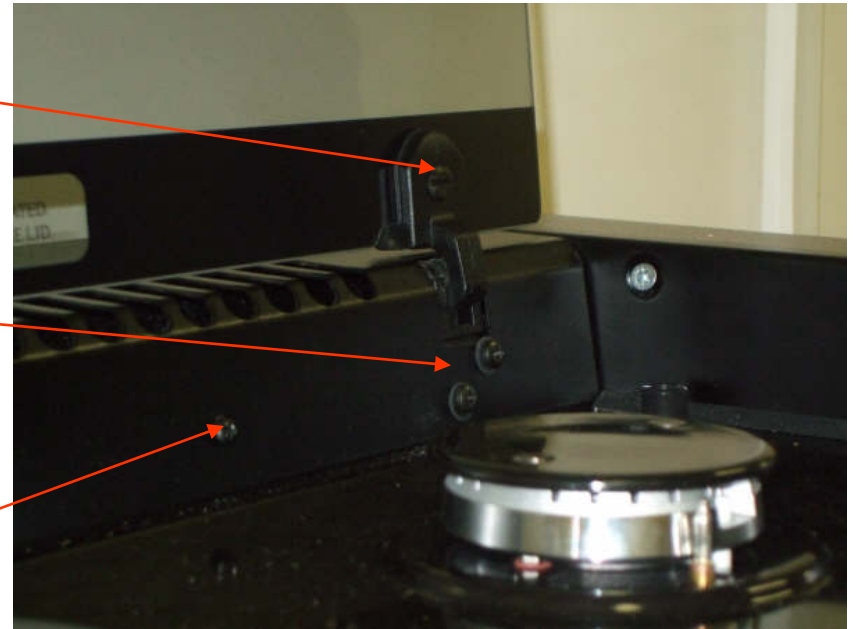


The Hob Pressing, continued

Loosen grub screws on hinges
and lift out glass lid

Loosen 4 dome headed screws
on hinges

Remove 2 screws on rear trim
that secure pressing



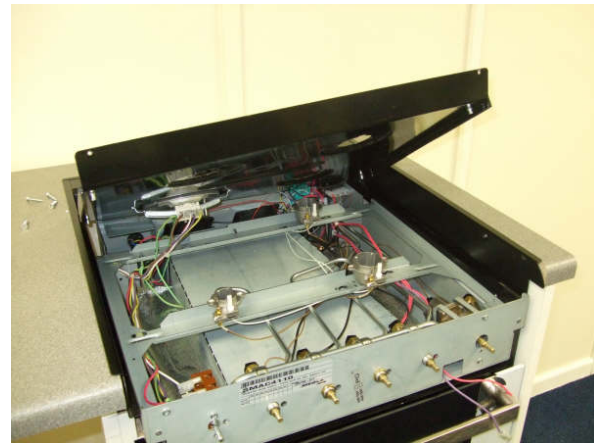
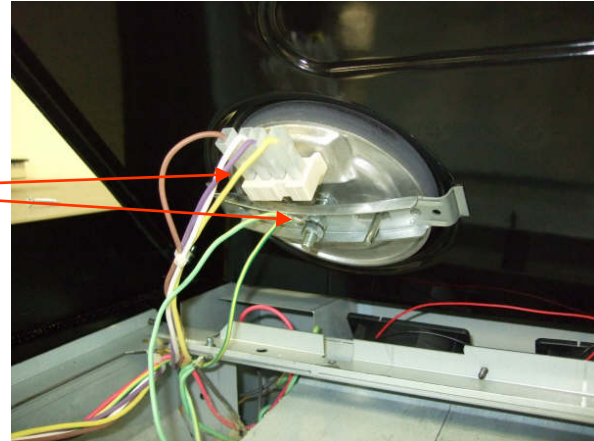


The Hob Pressing, continued

Lift pressing from the front and remove cables and earth connection from hotplate (please note cable configuration – see diagram)

Slide back of pressing from under rear trim

Reverse process when replacing hob panel with new.

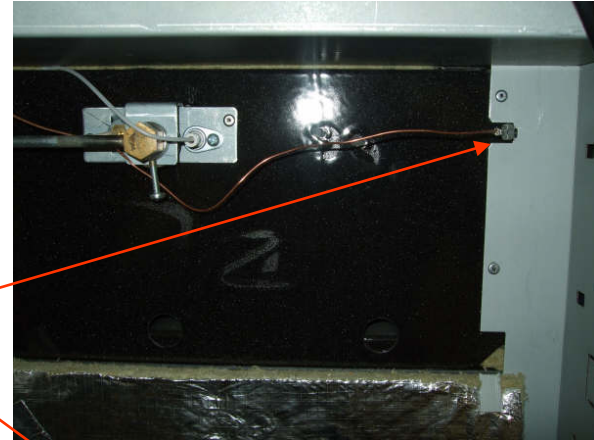




The Thermocouple

Disconnect and remove cooker from its housing.

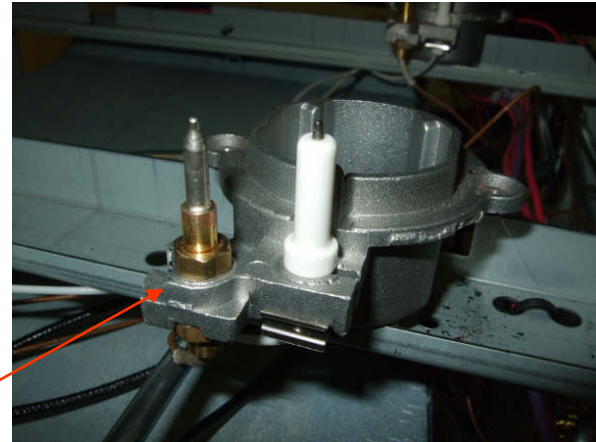
Lift up the hob pressing to gain access to the components below. Both the oven and grill have earth straps coming attached to the thermocouples. Ensure that the earth strap is fitted/not loose before removing the fixing screw/locking nut holding the thermocouple to the respective burner. Remove the spade fitting from the valve and replace.



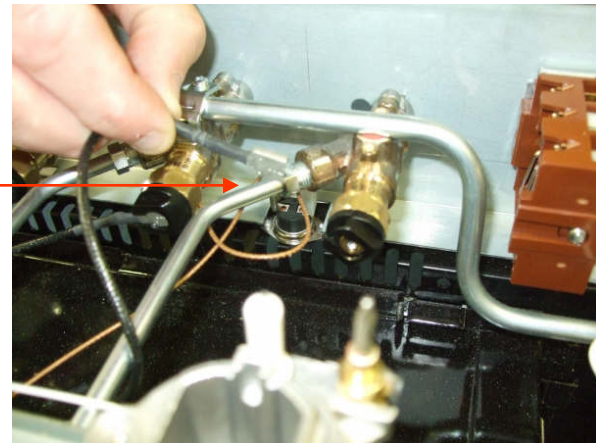


The Thermocouple, continued

There are two thermocouples for the hob burners. One, which is black, goes from the valve to the shut off mechanism and the second, which is copper, goes from the burner to the shut off mechanism.



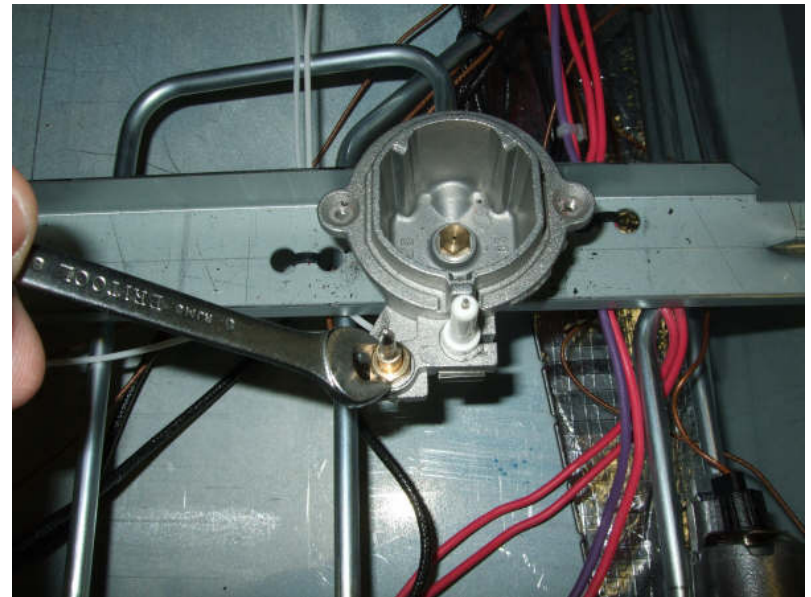
Trace the relevant thermocouple back to the shut off mechanism and pull off the spade fitting. If the thermocouple is for the gas valve pull off the spade fitting and replace.





The Thermocouple, continued

If the thermocouple is from the burner to the shut off mechanism. Trace back to the shut off valve and pull off the spade fitting. Use an 8mm spanner to remove the locking nut holding the thermocouple probe to the burner cup.

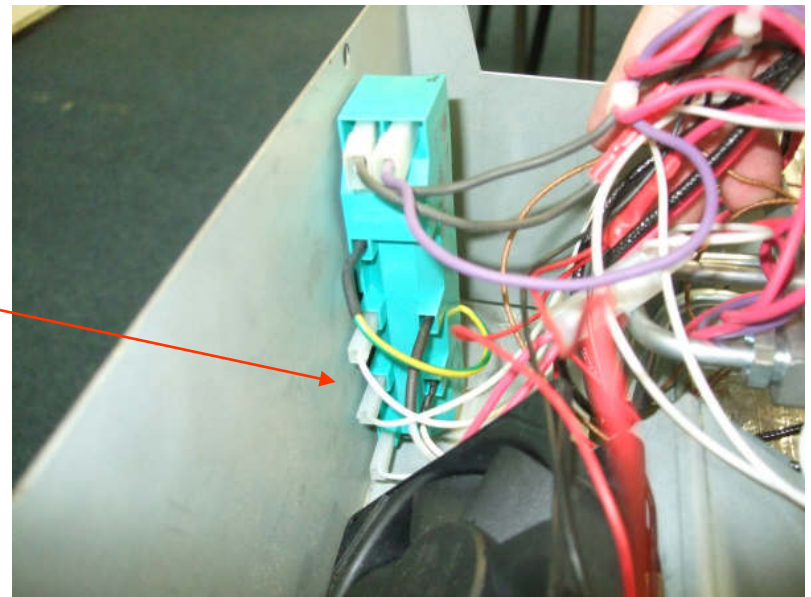




The Ignition Electrode

Disconnect and remove the cooker from its housing.

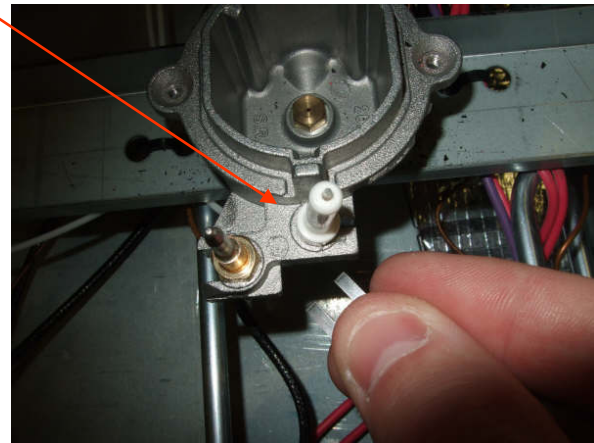
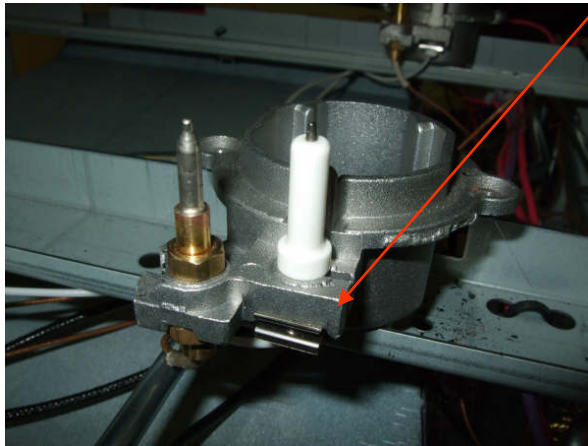
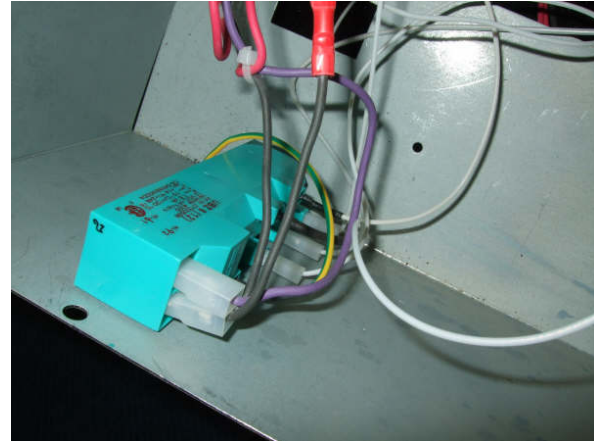
Lift the hob pressing and check the connection of the relevant electrode on the 12v generator. If the electrode is faulty then pull the spade fitting off the terminal point. The electrodes for the oven and grill are secured by a single self tapping screw. Remove this and gently pull the electrode through the cavity box and replace.





The Ignition Electrode, continued

The Electrodes for the hob burners are retained on the burner cup by a silver 'crocodile' clip. Squeeze and pull the clip off and then lift the probe out of the burner cup.

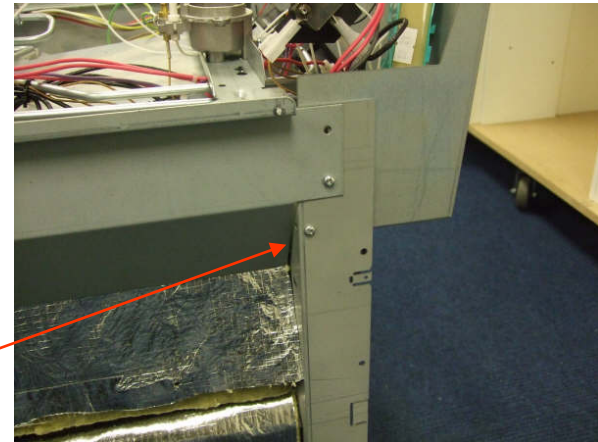




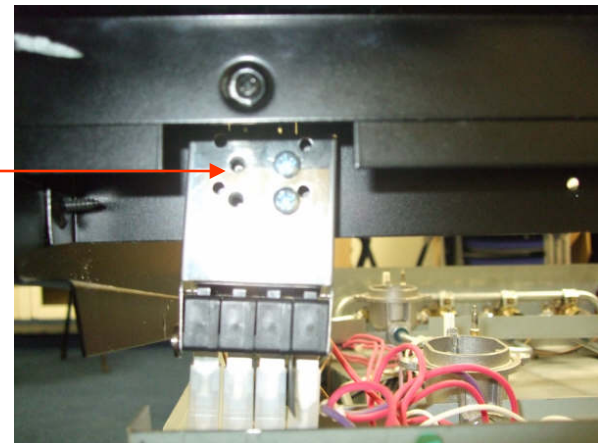
The Shut Off Mechanism

Disconnect and remove cooker from the housing.

Remove the 4 x screws retaining the back plate to the cooker. This will allow you access to the shut off mechanism bracket.



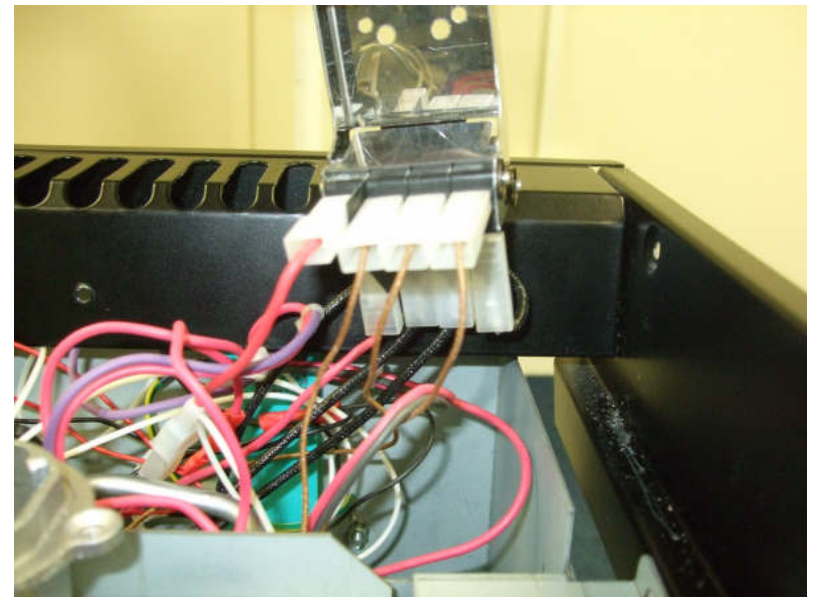
Remove the two silver screws noting which holes are used on the metal bracket.





The Shut Off Mechanism, continued

The shut off's wiring is as follows; 1. Hotplate (2 x Red wires), 2. Front left hob burner, 3. Front right burner, 4. Rear right burner. Trace the black thermocouples back to their relevant burner valves. It is imperative to ensure that both types of thermocouples for each burner correspond on the shut off terminals. If both are not correctly matched then at least two hob burners will not function.





The Shut Off Mechanism, continued

Pull off all spade fittings from all four terminals to remove the shut off mechanism from the cooker. Take care not to misplace the thin metal pin/barrel from the glass lid hinge.

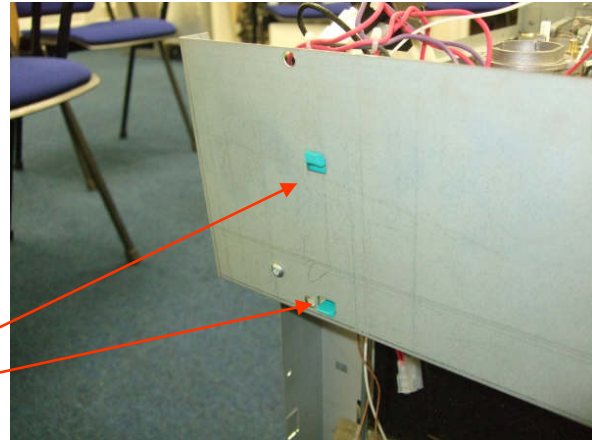




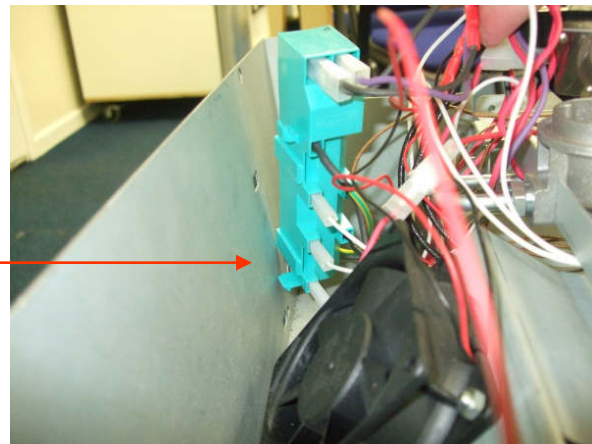
The 12v Spark Generator

Disconnect and remove cooker from its housing.

Remove the 4 x screws holding the rear galvanized plate to the cooker. The 12v spark generator is clipped onto this plate.



To remove the generator gently push down on the generator and pull away from the galvanized plate until the top clip is free from the box. Lift bottom clip to remove the generator.

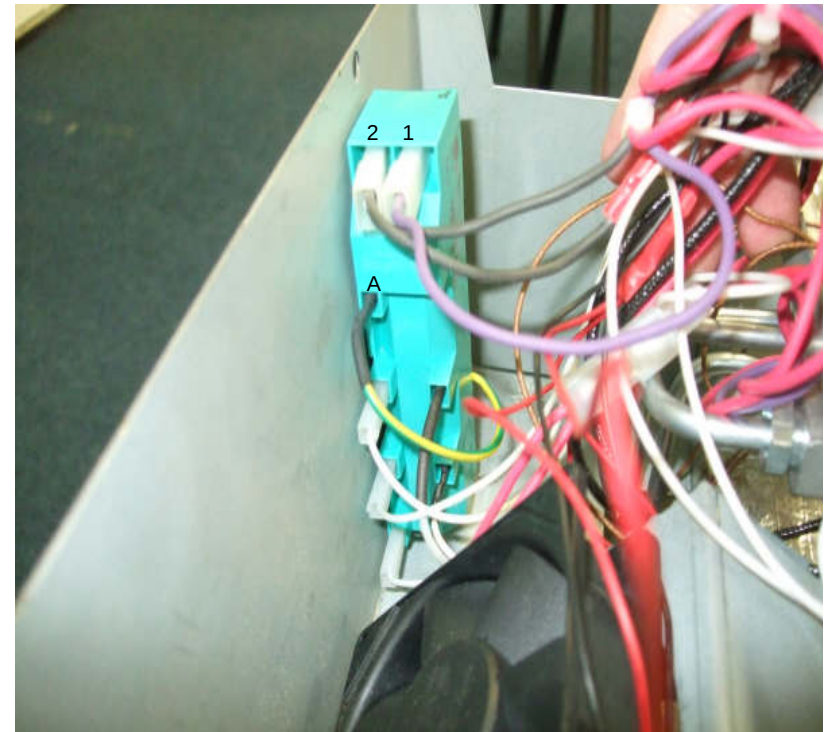




The 12v Spark Generator, continued

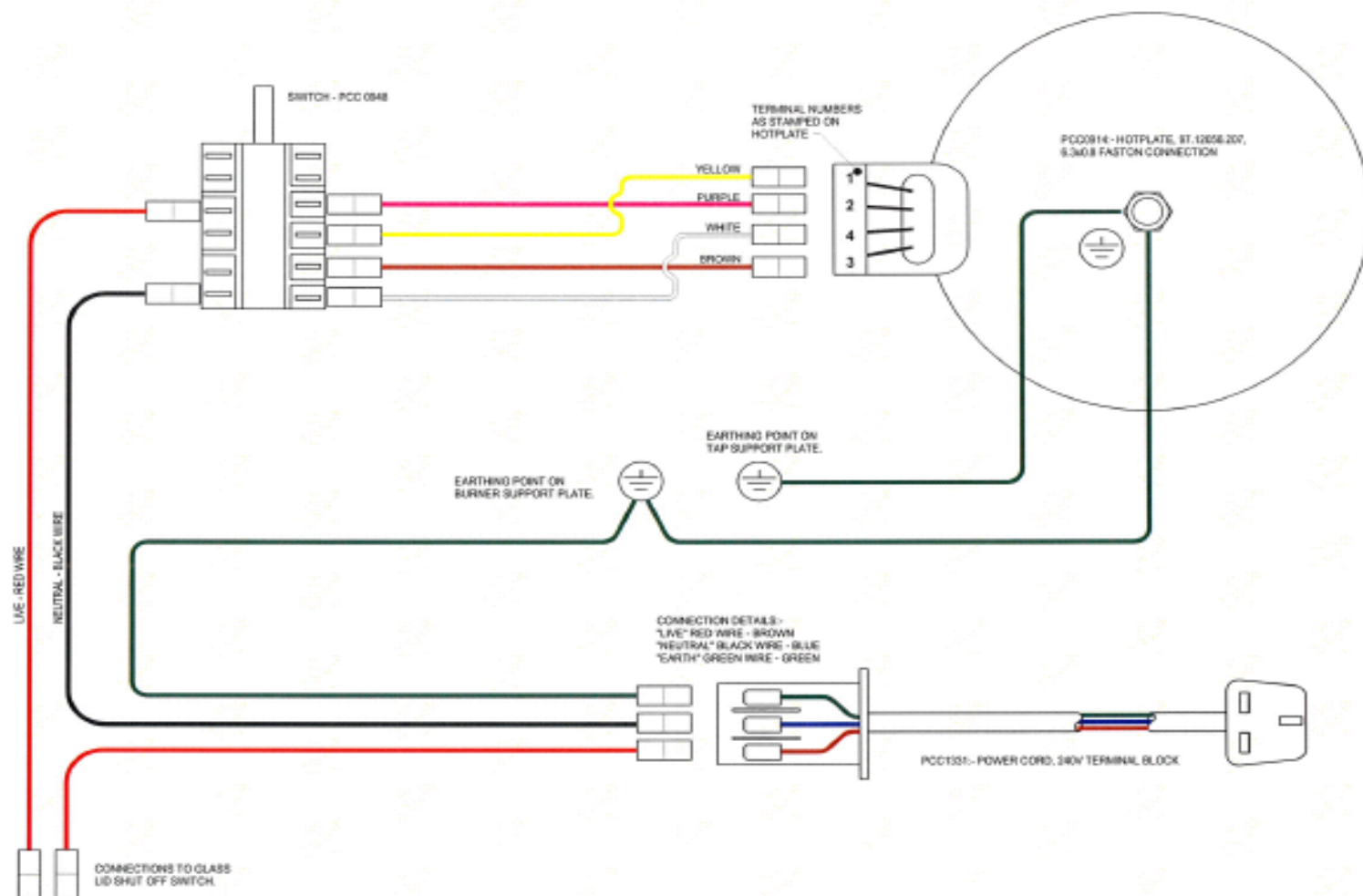
The wiring on the 12v generator is as follows; Terminal 1. Purple 12v ignition wire. Terminal 2. Black negative wires for the two fans and 12v ignition. Terminal A. Earth strap. The remaining terminals B to F are for the three hob burner, grill and oven electrodes. These five wires can go on any of these terminal points.

Pull off all spade fittings from terminals to remove the generator completely.





Hotplate, Switch and 230v Generator



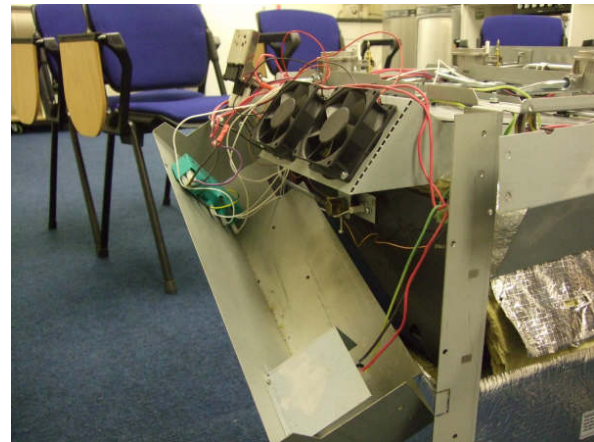
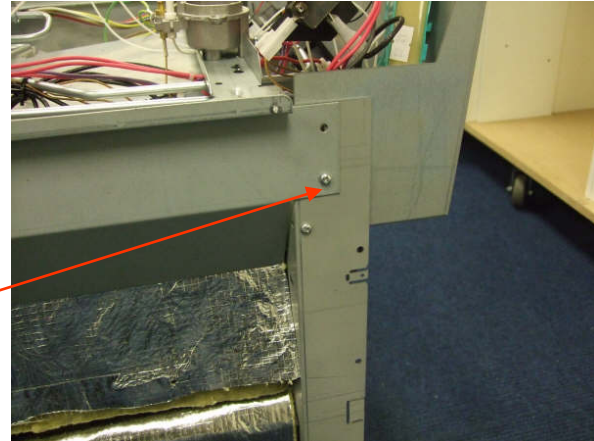


The 12v Fans

Disconnect and remove cooker from its housing.

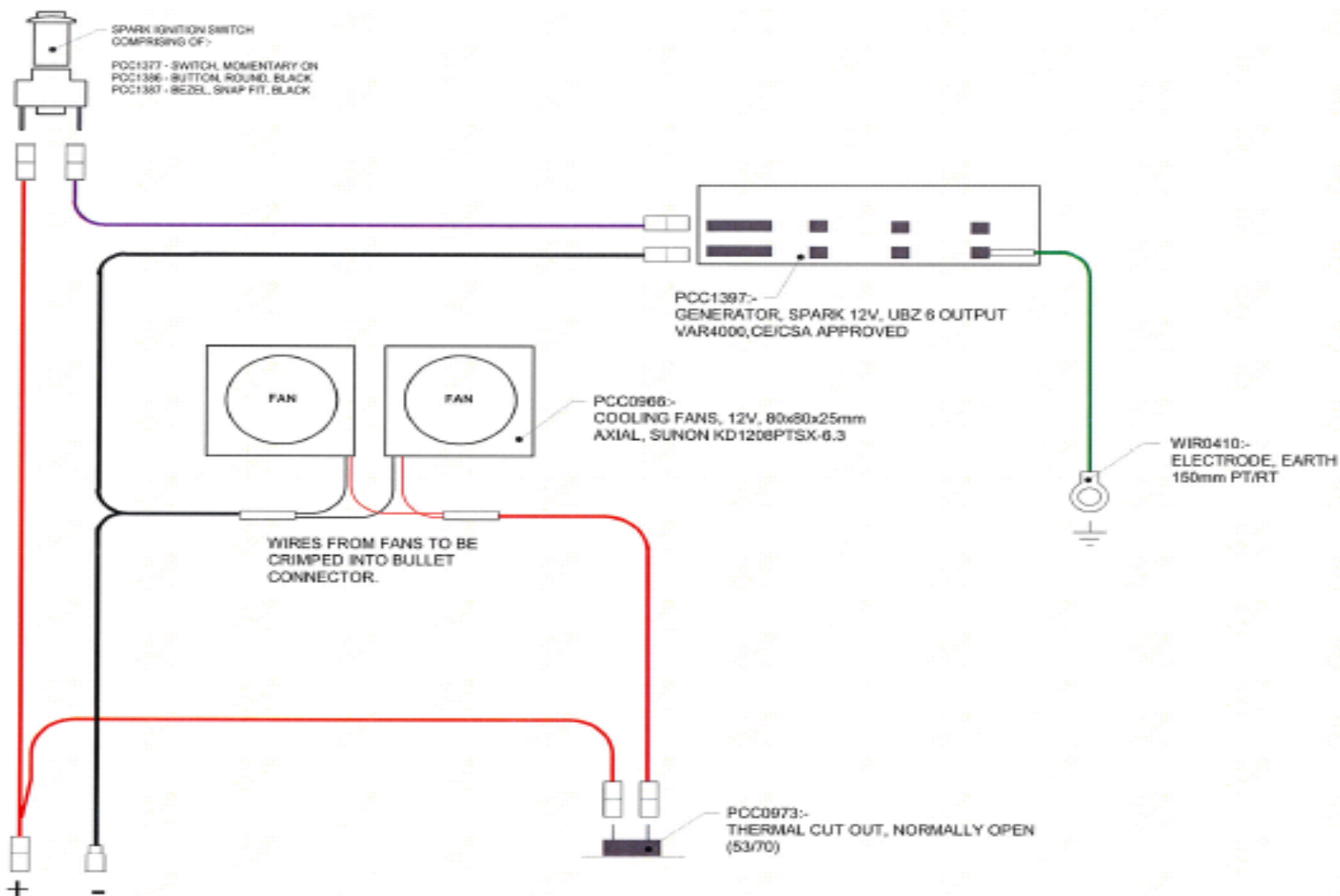
Remove the silver screws both left and right holding the galvanized plate to the cooker.

Cut both positive and negative wires as close as possible to the crimps. See the wiring diagram on the next slide.





The 12v Fans, continued

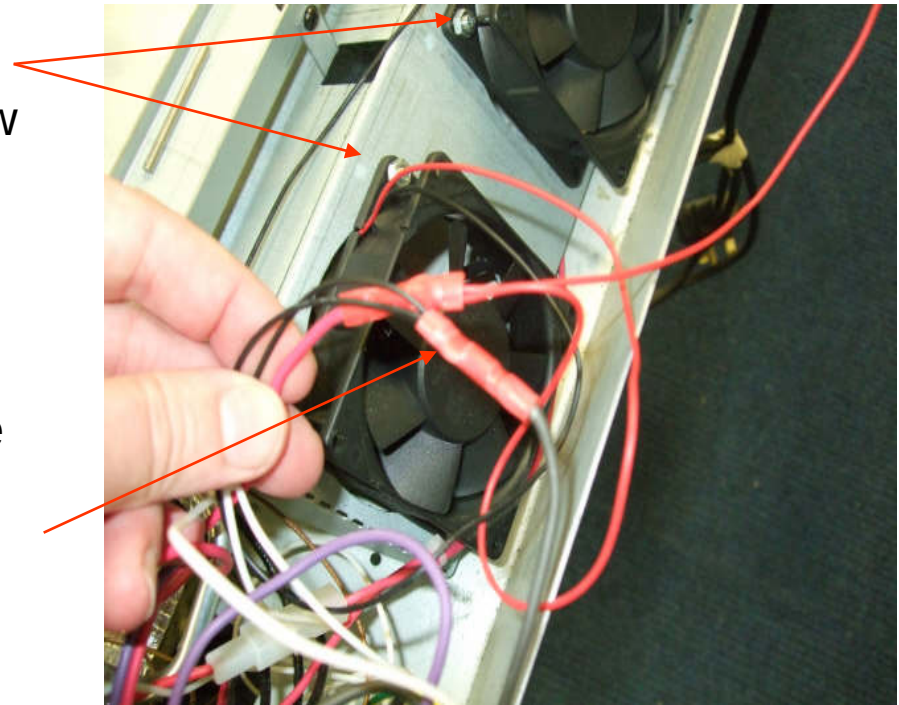




The 12v Fans, continued

Using an adjustable or 7mm spanner release both the top and bottom nuts and shake proof washers whilst you hold the screw still with a stubby screwdriver or your fingers.

Replace fan or fans and connect both sets of positive and negative wires together using crimps. Be sure to correspond the wires to ensure correct polarity. The fan side that has the label on should face inward towards the appliance.

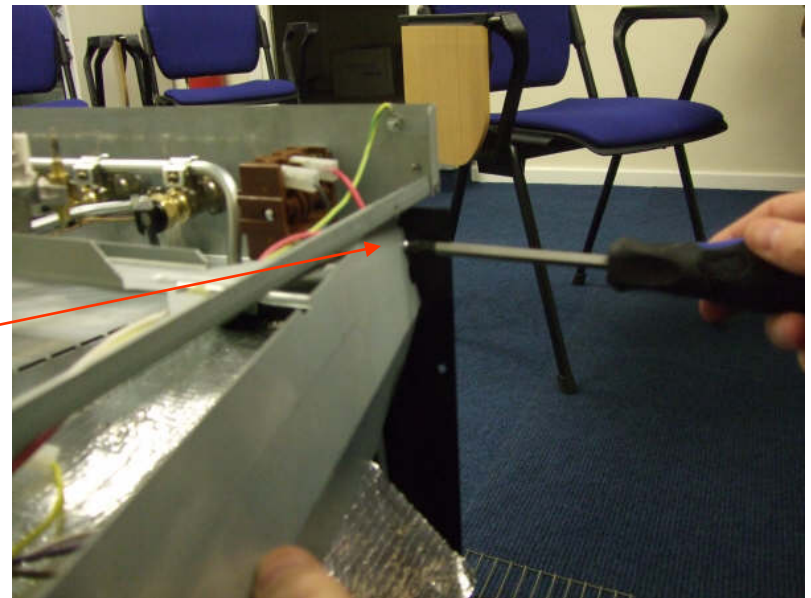




The Grill Burner

Disconnect and remove cooker.
Remove pressing, lid, side
trims and unscrew shut off from
hinge. Remove screws on the
rear galvanized box.

Unscrew and remove both
galvanized side sheets.

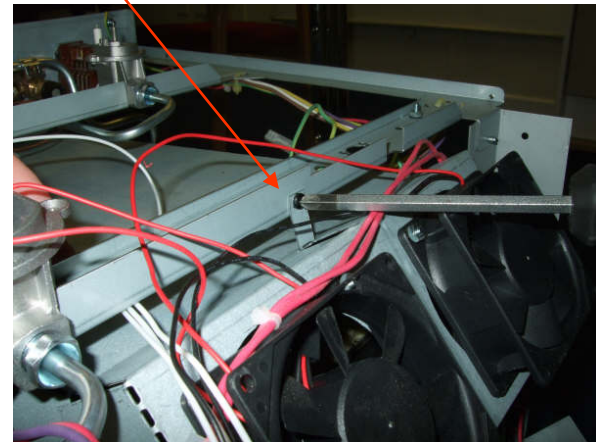
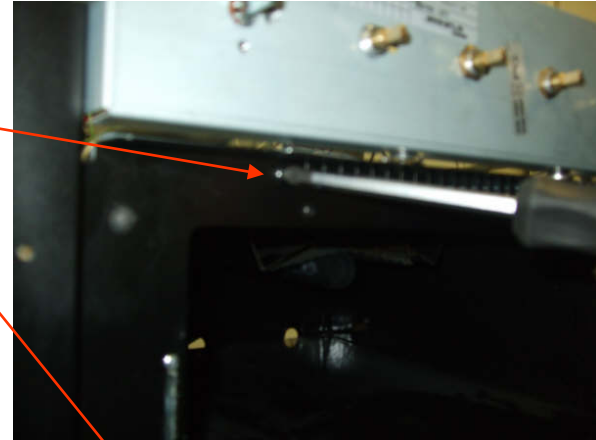
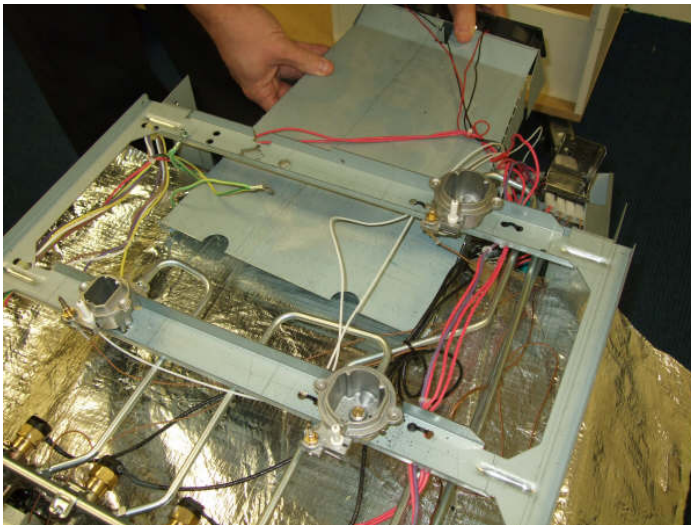




The Grill Burner, continued

Unscrew and slowly retract the flue diverter box housing the two 12v fans.

Take care not to trap or snag any part of the wiring looms or to tear the grill box insulation cover.

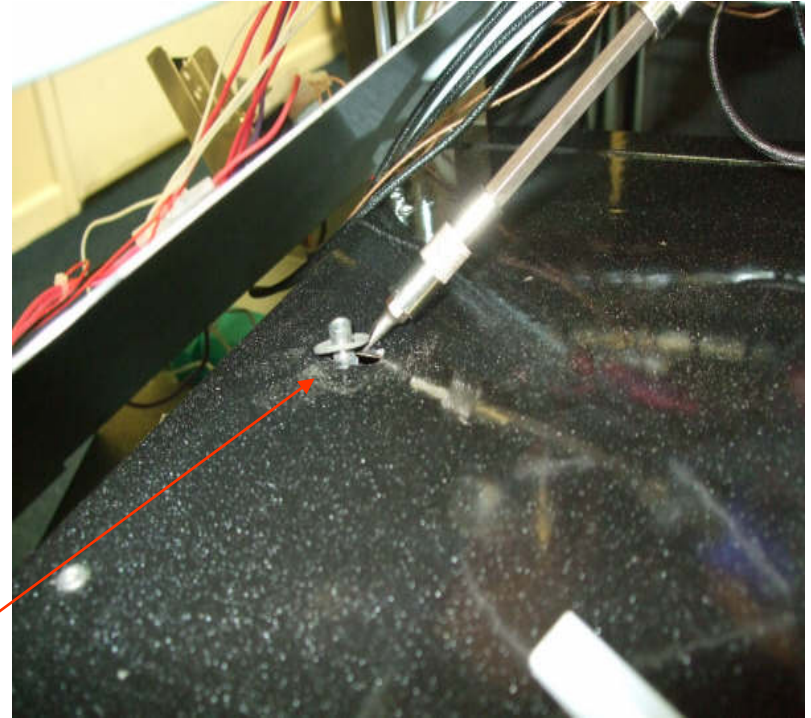




The Grill Burner, continued

Using a stanley knife or similar cut through the silver insulation tape holding the insulation cover to the grill box. Gently pull the insulation cover through the cooker and clear the top of the grill box of any 'debris'.

Using a thin flat headed screwdriver or similar carefully prize off the two starlock washers holding the grill burner spigots to the box roof.

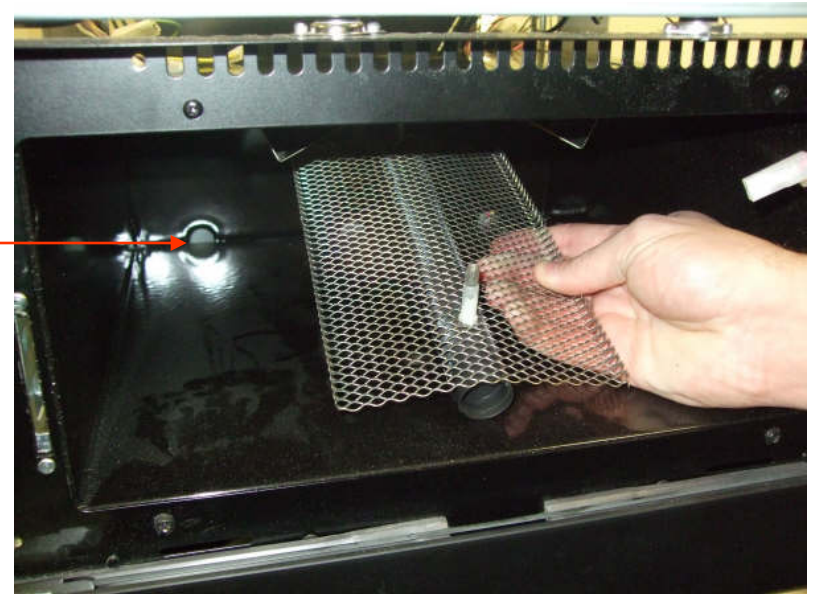




The Grill Burner, continued

Once the starlock washers have been removed the grill burner tube and attached mesh can then be lowered and from the grill box roof and removed from the cooker.

It is advisable that new starlock washers are used when refitting or replacing the grill burner.



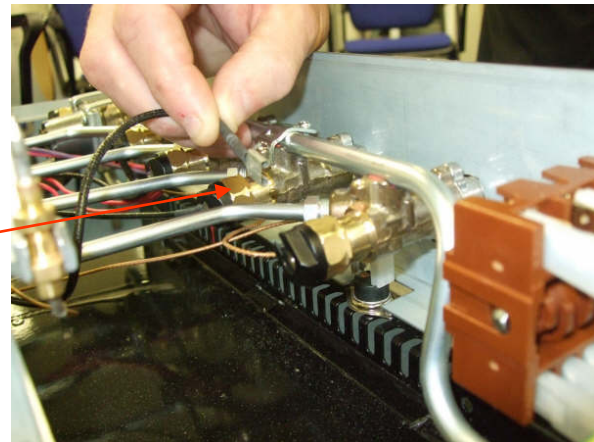
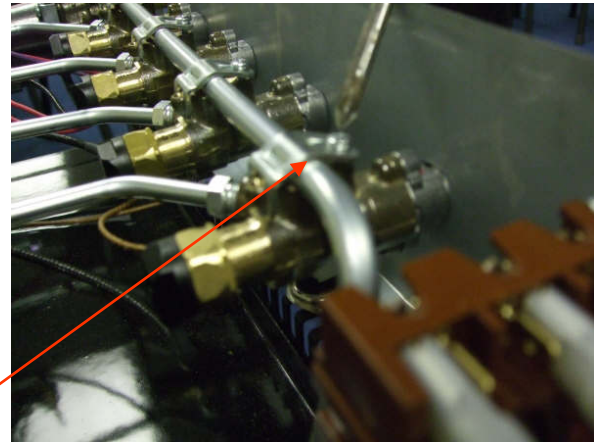


The Hob/Grill Gas Burner Valve

It is advisable to remove the appliance when carrying out 'internal' work so as to avoid any damage. Remove the hob pressing.

Unscrew the bridging piece holding the burner valve to the gas rail or manifold.

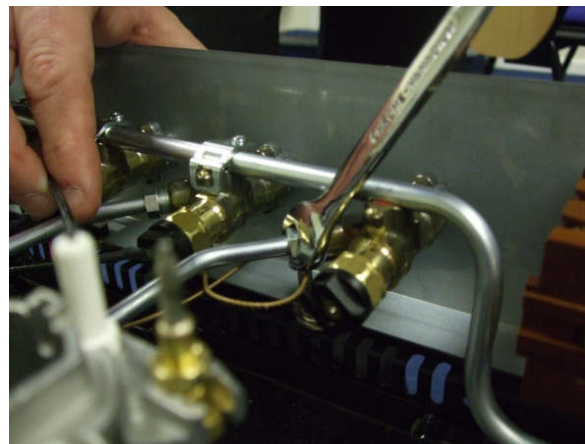
Pull off the push-fit thermocouple.





The Hob/Grill Gas Burner Valve, continued

Using a 10mm spanner unscrew the nut holding the burner feed pipe to the burner valve. The burner valve can then be removed from the gas rail or manifold.

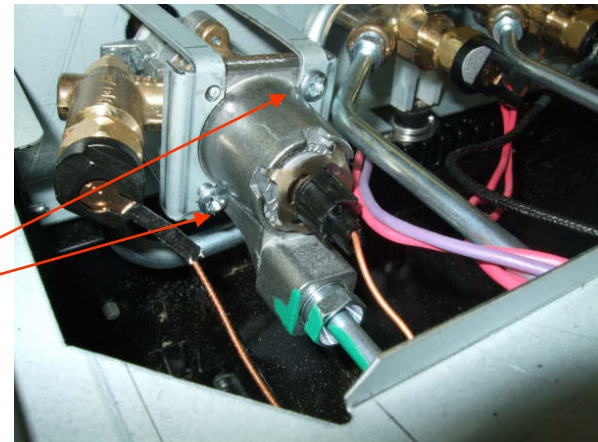
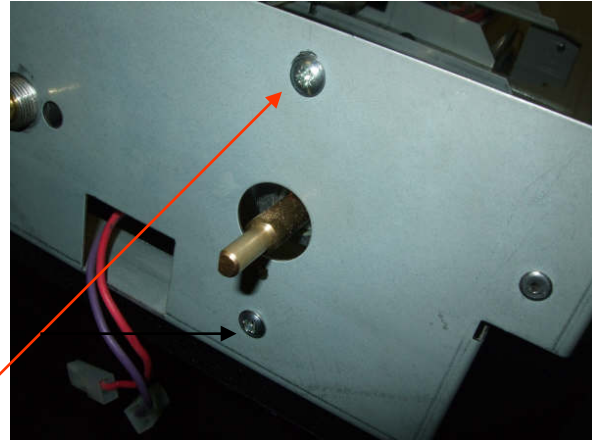




The Thermostatic Valve

As with the 'Hob/Grill Gas Burner Valve', remove all necessary screws and parts to enable access to the gas rail or manifold.

You will need a PZ2 size screwdriver to remove the screws holding the thermostat mounting bracket to the thermostat and the fascia mounting plate. Start by removing the screws at the back.

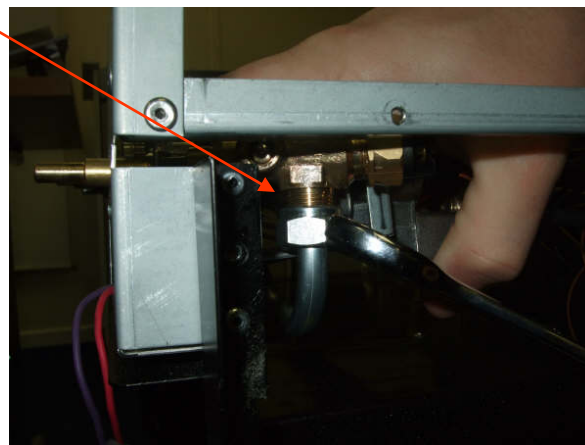
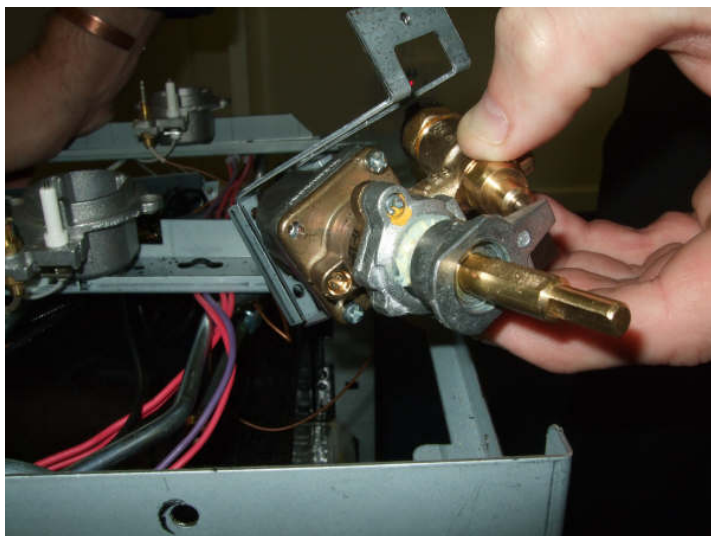
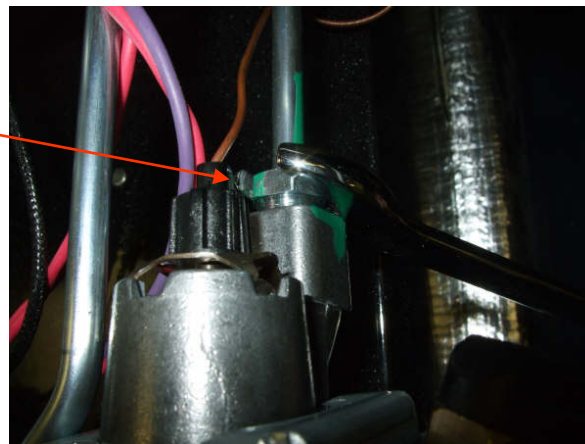




The Thermostat Valve, continued

A 13mm spanner will loosen the nut holding the oven burner feed pipe to the thermostat valve.

Use a 17mm spanner or adjustable to loosen nut holding thermostat valve to the gas rail or manifold.





The Thermostatic Valve, continued

Drop down the oven door and, using the PZ2 screwdriver, slacken up the two copper 'P-clips' located a third of the way down on the right hand oven cavity wall.

Pull the capillary tube and phial (sensor probe) through the 'P-clips' and through the back of the oven cavity.

Reverse the entire process when replacing the thermostat valve.

