

Technical Bulletin

AGA RANGEmaster

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AGA MARVEL



LA CORNUE

MERCURY
DESIGNED FOR COOKING



RAYBURN

REDFYRE



Product Group	Models	Originator
AGA	Total Control (All Versions)	Technical Team

Published to: All Service Partners

Subject: Total Control Hotplate Element Replacement

As part of our development strategy we are introducing components which are standardised across a range of models. To enable us to achieve this a design change is being implemented to the AGA Total Control hotplate elements.

The original part number AE9M280586 (A6130) for the hotplate service kit is now unavailable to order. This has been replaced with our newly designed kit **AE1M996411**.



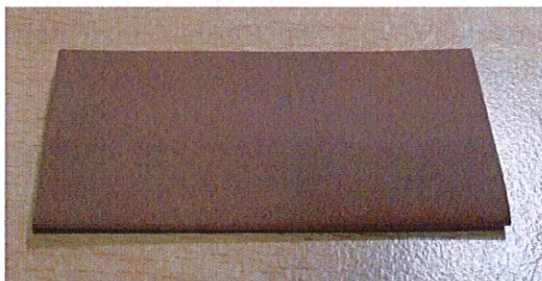
If your diagnostic checks deem hotplate requires replacement, please order the replacement kit (**AE1M996411**) and follow the fitting method described below.

****IMPORTANT****

The kit contains one hotspot, in the event of both plates failing, two kits will be required.

FITTING INSTRUCTIONS

1. Isolate the appliance from the power supply and confirm dead.
2. Lift the hob plate.
3. Remove the insulation from under the hob plate
4. Disconnect the thermocouple and supply cable from the faulty hotplate element.
5. Un-clip the element
6. If the faulty element is the on right side (simmer plate), add the brown heat shrink over the existing black heat shrink on the new cable.



7. Replace the supply cable with one provided in the kit.
8. Drill a 3.0mm diameter hole in the inner back panel. (shown below in Fig 1 & 2)

FIG1

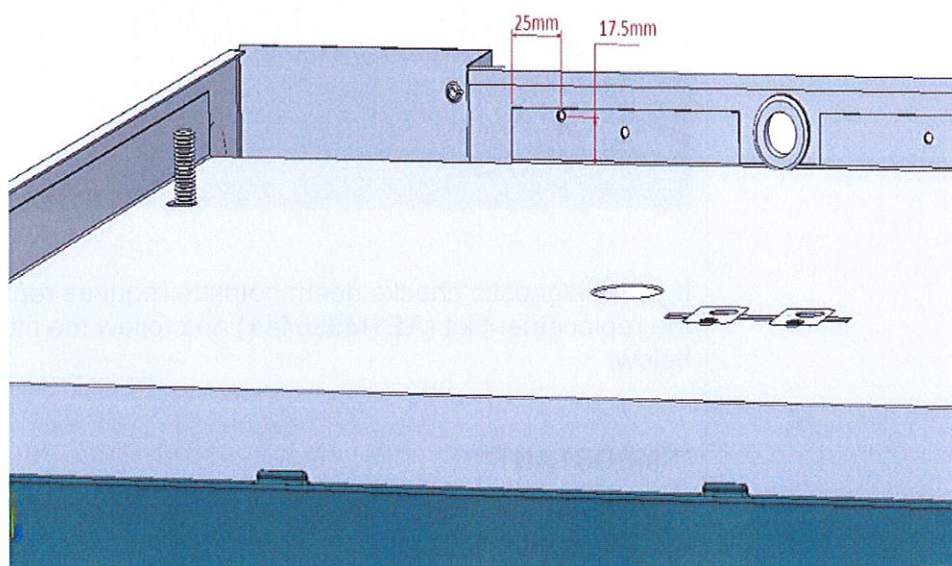
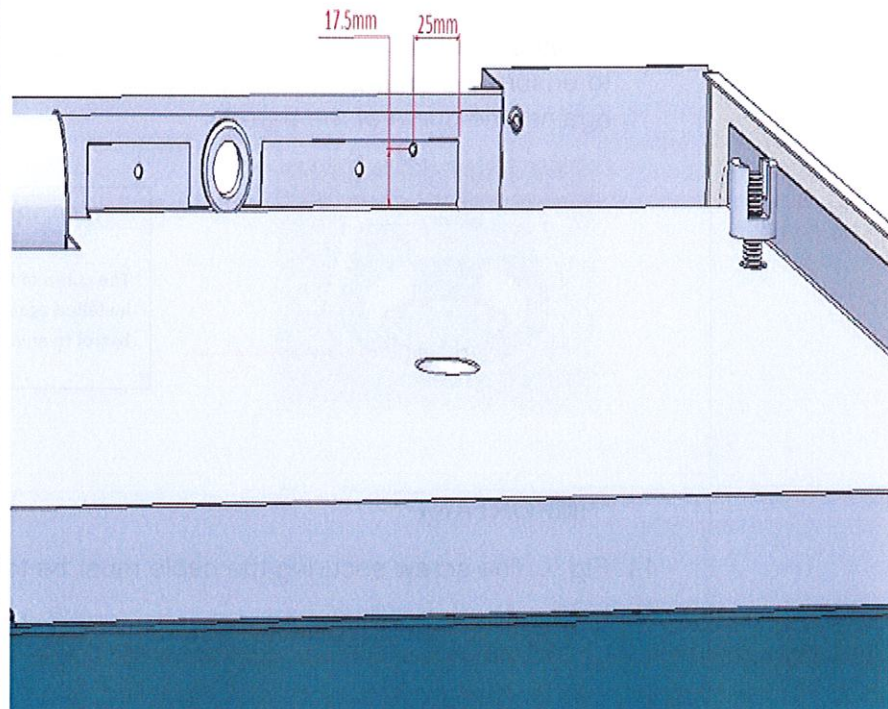
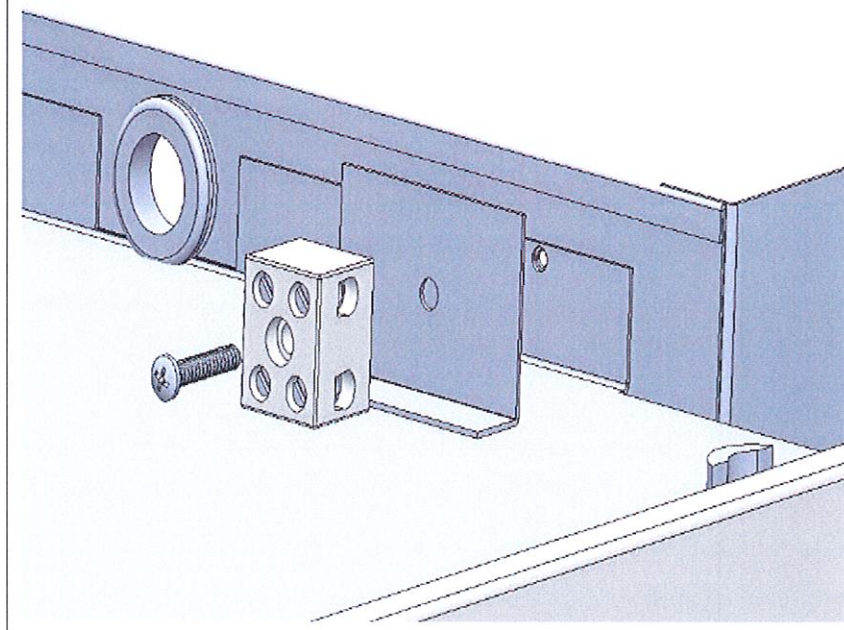


FIG 2

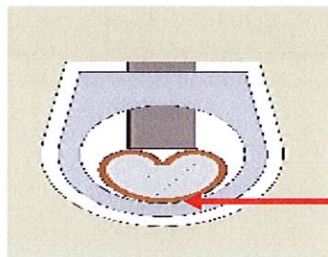


9. Fit connection block and insulation card to the newly drilled hole with the No.6 self-tapping screw supplied. Fig 3

FIG 3



10. Connect the new supply cable to the connection block Fig 4. Take care to ensure the orientation of the cable end is with the curve of the ferrule against the curve of the barrel.



****IMPORTANT****

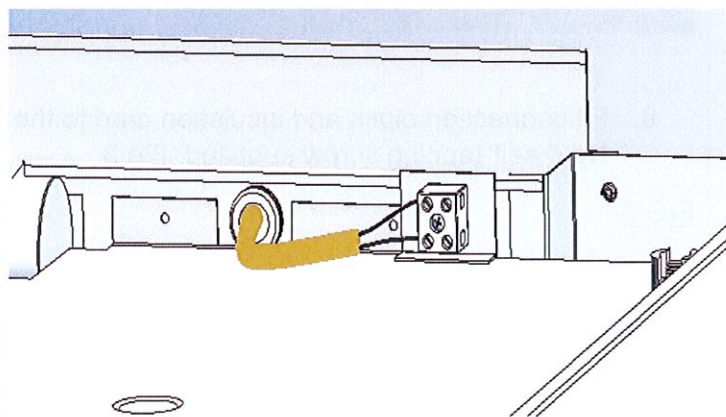
The curve of the ferrule **MUST** be installed against the curve of the barrel to ensure a positive connection

****IMPORTANT****

11. Fig 5. The screw securing the cable must be torqued to 0.5Nm.

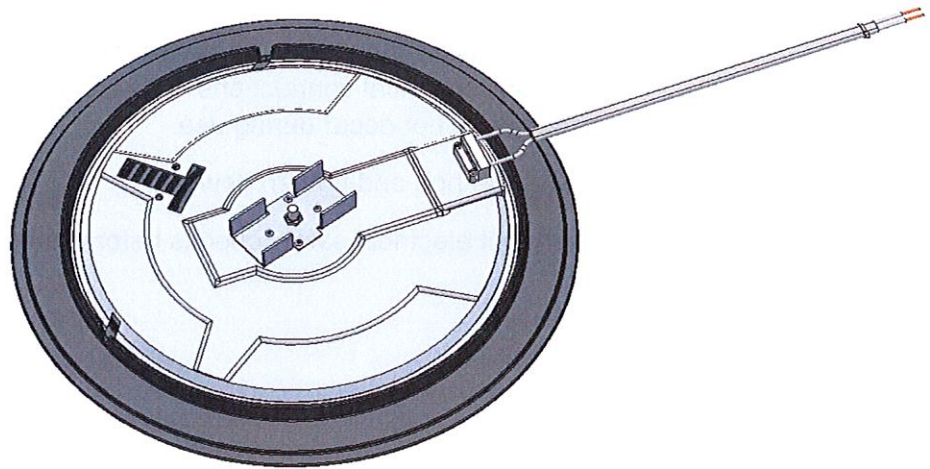
FIG 4

FIG5



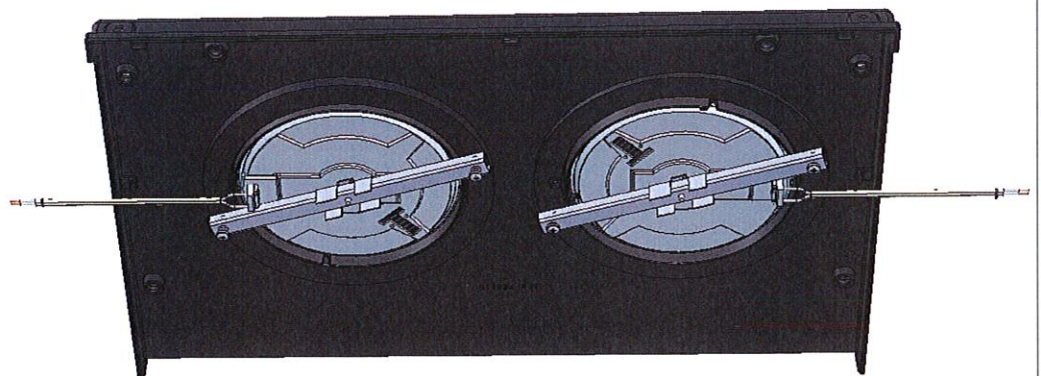
12. The replacement hotplate element will have a "flying lead" and location bracket. Fig 6

FIG 6



13. Fit the new hotplate into the hob plate in the orientation shown Fig 7

FIG 7



14. Connect the flying lead into the terminal block. Clamp the end of the cable in the same orientation as the supply cable (Point 10).

****IMPORTANT****

15. The screw securing the cable must be torqued to 0.5Nm
16. Re-fit the thermocouple
17. Re-fit the insulation under the hob.
18. Please ensure the routing of the thermocouple capillary wire is away from any electrical connections. This is very important to ensure a short circuit does not occur during use.
19. Lower the hob and tighten down.
20. Carry out electrical safety checks before re-connecting the power.

If required, further guidance can be sought from the AGA Rangemaster Technical Department.