

POTENTIAL PROBLEMS OF INDUCTION COOKTOPS OVERHEATING THROUGH LACK OF VENTILATION. (Taken from real users on Online Forums.)

Neon8787 Forum Regular

Hi everyone,

O.P.

I had a quick search to see if anyone had mentioned this and came up empty. I have seen quite a few recommendations for AEG Cooktops though, and am on the verge of buying one.

I am specifically looking at the [HK673520FB](#) which has some very confusing installation diagrams (calling them instructions would be a stretch) on pages 16 and 17 of the manual. They note a required 2 mm gap somewhere between the benchtop and the cabinetry below. Making the diagrams worse, they only list minimum distances and no maximum. Can the gap be a metre below the bench? :P They also only seem to cover installation above drawers (which would be simple to ensure a gap) and not above an oven, which is where mine needs to go.

They are the only brand I've come across that **require** a 2 mm or greater gap along the whole front edge of the cabinetry in order to not void your warranty!

Does anyone have experience with AEG warranty claims? Was the 2 mm gap an issue? Did you make a gap somehow? Can you understand the installation diagrams!??

Thanks for any advice and help you can provide. My only other option at the moment seems to be a well-liked by fugly Miele (KM 6113)...

spartacus1098 Whirlpool Forums Addict

(Cooktop repair technician)

As the instructions say a gap at the front of the cabinet, it is in front of the cooktop to allow ventilation, the gap is clearly visible in 5 of the diagrams including the dimensions

Every induction cooktop I have seen specs a gap for cooling

95% of installations I have seen are not correct

It is very easy to have a gap above the oven if your cabinetry is made correctly

Neon8787 Forum Regular

It's worth noting that the 2mm gap requirement is not between the cooktop and the oven (there will be a much larger gap anyway), but for a ventilation gap between the benchtop and the cabinetry. The diagram in the manual shows this pretty well (just about the only thing it shows well). Maybe ask your friend what will happen when you need to make a warranty claim? :P Page 4 of the manual clearly states they will not cover any warranty claims if the 2mm gap is not present.

spartacus1098 Whirlpool Forums Addict

(Cooktop repair technician)

[Exkiwi writes...](#)

[What they are saying is that you should have an airspace under the benchtop of 2mm](#)

No what they are saying is you need an outlet for heat to escape

Exkiwi In the penalty box

If the oven is underneath I would be looking at making it 10mm gap to let the extra heat from the oven out as well.

You friend at HN is like most of them talks BS we have had a F & P and now a series 6 Bosch and NEITHER have been noisy We are very happy with the Bosch it is faster and better than the F & P and probably cost less as we bought it from Appliances Online for a LOT less than HN would even discount to

spartacus1098 Whirlpool Forums Addict

(Cooktop repair technician)

The reason is for the cooling fans in the cooktop that cool the electronic boards in the cooktop, it will either draw air from the sides or the rear of the cooktop depending on the design and manufacturer and then push that hot air out the front of the cooktop and out the gap

The gap at the front is to get as much air out the front and to avoid redrawing that warm air back into the cooktop again

crojo Whirlpool Enthusiast

(Cooktop repair technician)

Check your oven installation manual, I can guarantee you will need ventilation for this as well.

If the oven does not have adequate ventilation then your cook top and oven will eventually fail due to heat.

You need free flowing ventilation for both, so a hole at the back of the oven that goes into the underneath of the cupboard and then a grill or something else on the kicker to draw in fresh air.

Then follow your cook top installation book with the gap and all should be well. I have seen hundreds of cooked boards due to insufficient ventilation, more free flowing air the better especially if you have a pyrolytic oven.

bull69dozer Whirlpool Forums Addict

I put a 60cm Highland induction in my last house, it was excellent could not fault it.

One thing I liked on the Highland was that each element had its own cooling fan.

Most induction cook tops I have looked at since only have a single or perhaps two fans instead.

Failure of inductions is usually from overheating so the more fans the better IMO.

kangaroo00paw Participant

Hi all,

O.P.

Our Arc induction cooktop is just outside of warranty and I am hoping that someone might be able to give me an indication of cost of repair. I have loved this cooktop and hope to keep it but I am disappointed that such a costly item might only last 2 years and 3 months.

I was using the small "coil" at the front and had just turned it up to boil my cooking when I heard a dull pop just under the coil being used and all power went out completely. I checked the house fuse, nothing and once it had cooled, still dead (wishful thinking).