Electrolux
Distriparts

EMA
Alkatrészlista

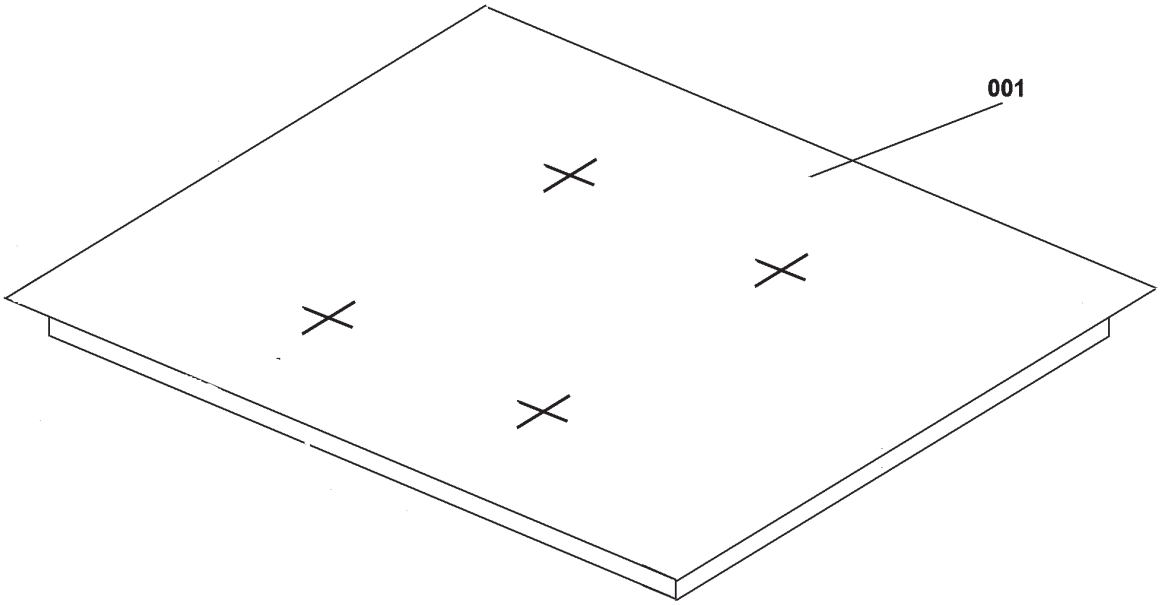
Tűzhely, főzőlap
2250

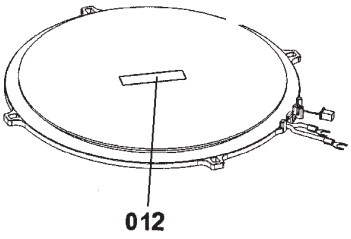
PNC	ELC	Márkanév	Modell	Piac
949592498	00	AEG Electrolux	78001KF-MN 69F	BE - CZ - DE - EE - ES - FI - LT - LV - NL - PT - RU - UA

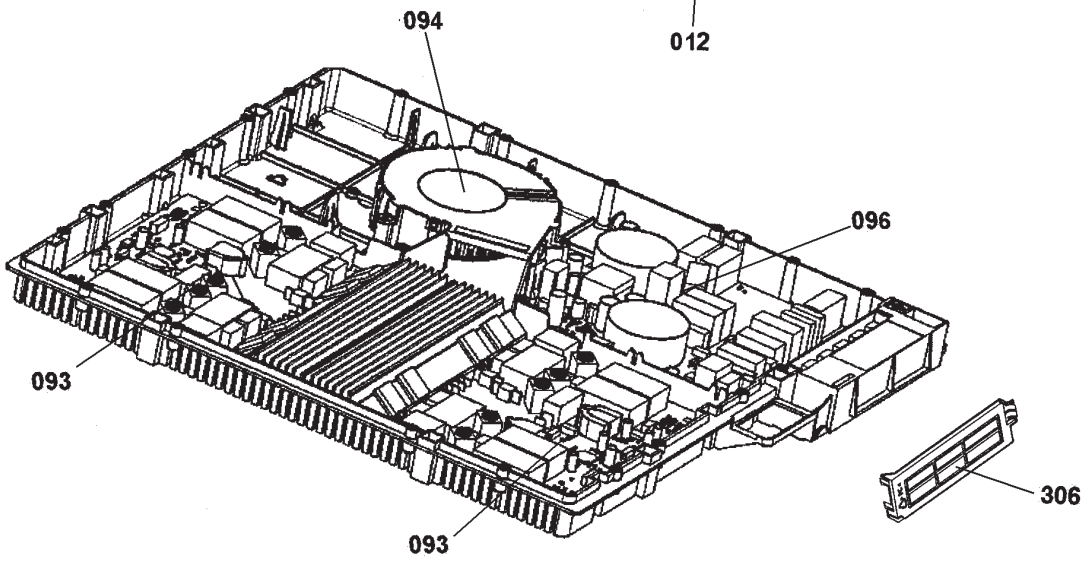
Elektromos,
indukciós

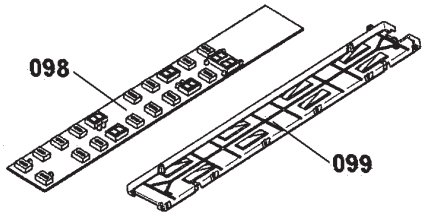
Distriparts Deutschland GmbH
Muggenhofer Straße 135
D-90429 Nürnberg
Germany
Fax +49 (0)911 323 1022

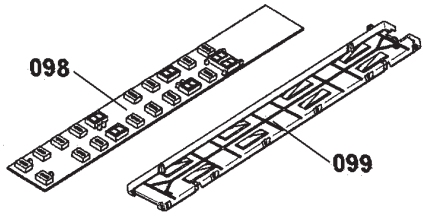
Publikáció szám
599524631
2009/10/28
DGT











NDGTMG4029

Robbantott ábra szám: NDGTMG4029

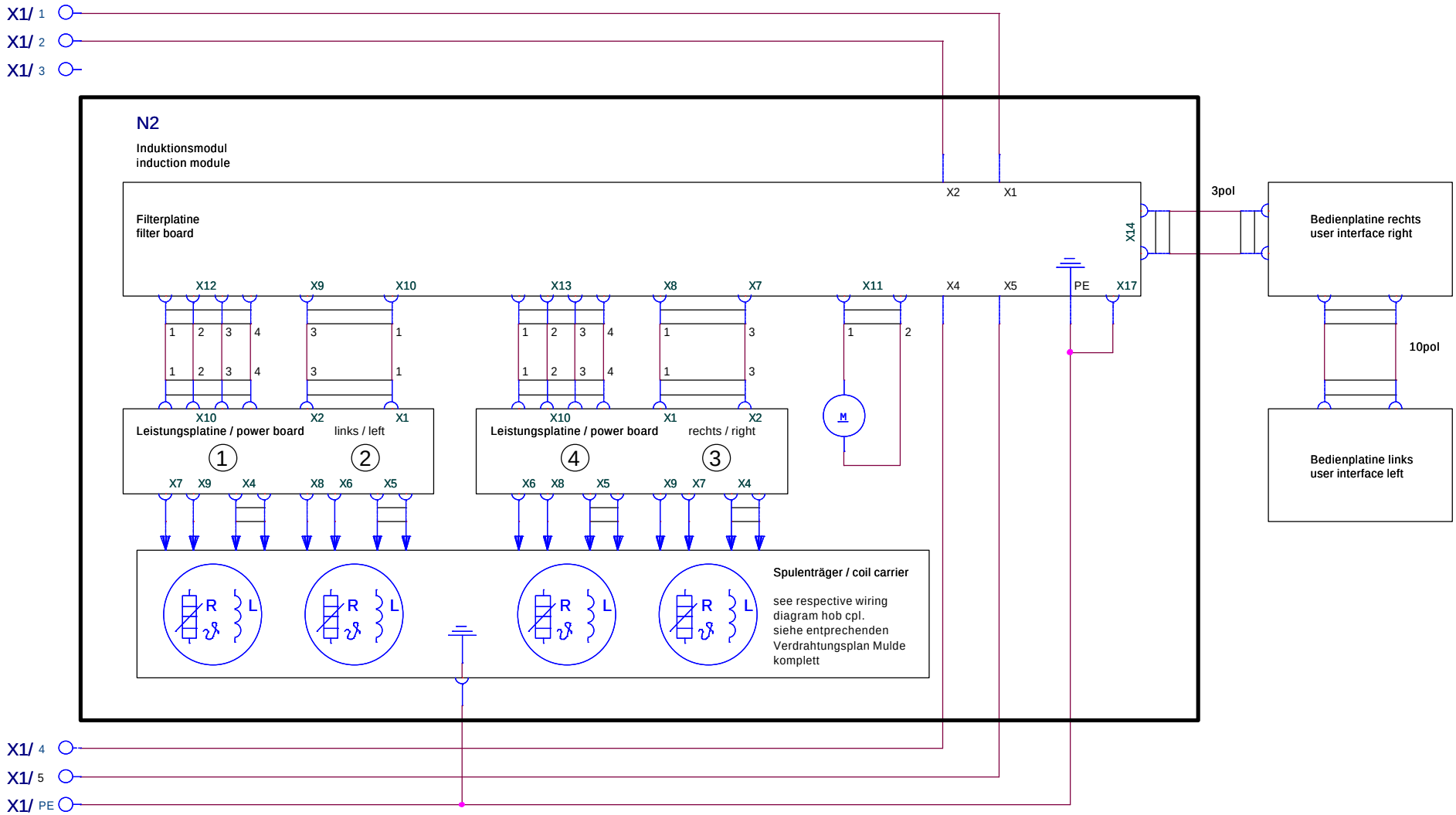
N00002079216

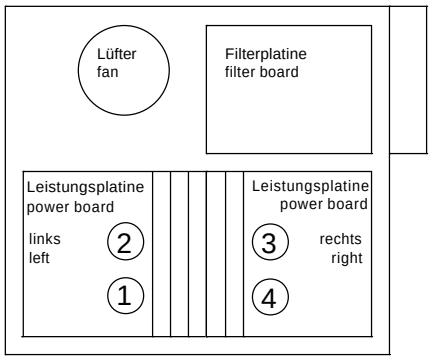
Mátrix	PNC	ELC	Gyárt. Idő	Modell
A	949592498	00	20051219	78001KF-MN 69F

Poz.	Anyagszám	Mátrix	Megnevezés
001	3307266217	A	Üveglap kerettel,69F
012	3305879201	A	Indukció,főzőlap,D210
093	3305623005	A	Felszerelés,erőegység
094	3305623021	A	Felszerelés,szellőztető motor,hűtő
096	973949592498001	A	Konfigurált elektronika
098	3871870063	A	Elektronika,beadagolás,dupla,L+R
099	3304588001	A	Talapzat,keret,elektronika,HIC UI
306	3306596002	A	Burkolat,sorkapocs,G4
999	3305142006	A	Cavar ,rögzítés,Elektronika fedél,4x14 PZ
999	3305623039	A	Felszerelés,hálózati,elektronika
999	3305733010	A	Tömítés,ragasztó ,üvegkerámia,6x2x2900mm
999	3305934006	A	Rögzítő rugó,munkalap
999	3306374012	A	Kábel,kijelző- és kapcsoló modul,szûrõ,X67
999	3306485008	A	Hálózati kábel,gumi ,4x2,5
999	8229255230	A	Használati utasítás,78001KF DE,EN,EL
999	8229255248	A	Használati utasítás,78001KF SV,FI,RU
999	8229255255	A	Használati utasítás,78001KF FR,PT,ES
999	8229255263	A	Használati utasítás,78001KF DA,NO

Kenn-zeichen	Beschreibung	Description
a1	Schalter 7-Takt VL	switch 7-step front left
a2	Schalter 7-Takt HL	switch 7-step rear left
a3	Schalter 7-Takt HR	switch 7-step rear right
a4	Schalter 7-Takt VR	switch 7-step front right
a7	BO Schalter Hauptbratofen	Heating mode selector main oven
a7.1	BO Schalter Kleinbratofen	Heating mode selector top oven
a8	LTC(Niedrig Temp. Garen) Schalter	LTC(Low Temp. Cooking) switch
a15	Touchschalter elektron. Warmhalteplatte	touch electronic switch warming zone
a31	Energieregler VL	energy regulator front left
a32	Energieregler HL	energy regulator rear left
a33	Energieregler HR	energy regulator rear right
a34	Energieregler VR	energy regulator front right
a61	Touchschalter elektron. VL	touch electronic switch front left
a62	Touchschalter elektron. HL	touch electronic switch rear left
a73	Touchschalter elektron. HR	touch electronic switch rear right
a84	Touchschalter elektron. VR	touch electronic switch front right
A1	Ventil Abluft	actuator exhaust
A2	Ventil Entdampfen	actuator desteam
b3	Buchse Fleischthermometer	Socket meatprobe
BOF	BO Schalter Funktion	mode selector function
BOT	BO Schalter Temperatur	mode selector temperature
c4	Netzfilter	interference filter
D	MNL-Stiftgehäuse 1x12-polig	hob connector 12-pol.
DS	Türschalter	door switch
e1	Türverriegelung Pyro	Door lock pyro
e11	Verteilerplatine TE	Distributor plate pot detection
E	MNL-Stiftgehäuse 1x8-polig	hob connector 8-pol.
F	Stiftgehäuse 21 polig	hob connector 21pol
f1	Regler Temperatur Hauptbratofen	Main oven thermostat
f1.1	Regler Temperatur Kleinbratofen	Top oven thermostat
f2	Sicherheitstemperaturbegrenzer Hauptbratofen	safety temp. limiter main oven
f2.1	Sicherheitstemperaturbegrenzer Kleinbratofen	safety temp. limiter top oven
f5	Klixon Lüftemachlauf Bratofen	Thermostat cooling fan delay
f8	Klixon Lüfterschnellauf Pyro	Thermostat fast run cooling fan pyro
f7	Magnetronsensor	sensor to magnetron
f8	LTC(Niedrig Temp. Garen) Thermostat	LTC(Low Temp. Cooking) termostat
f11	Klixon Entriegelung Pyro	Thermostat unlock pyro
f12	Fremdbeheizter Klixon Lüftemachlauf	Thermostat cooling fan delay
f15	2. Sicherheitstemperaturbegrenzer Bratofen	2. safety temp. limiter oven
f16	Klixon Anzeige Übertemperatur	thermostat overheating warning
f19	Regler Temperatur Schublade	rack thermostat
f21	Sicherheitstemperaturbegrenzer Grill	saftey temp. limiter grill
f22	Sicherheitstemperaturbegrenzer Friteuse	saftey temp. limiter fryer
f31	Restwärmekontakt VL	residual contact front left
f32	Restwärmekontakt HL	residual contact rear left
f33	Restwärmekontakt HR	residual contact rear right
f34	Restwärmekontakt VR	residual contact front right
G5	Magnetron	magnetron
h1	Glimmleuchte Betrieb Hauptbratofen	lamp working main oven
h1.1	Glimmleuchte Betrieb Kleinbratofen	lamp working top oven
h1.4	Glimmleuchte Betrieb Kochzone VL	lamp working hot plate front left
h1.5	Glimmleuchte Betrieb Kochzone HL	lamp working hot plate rear left
h1.6	Glimmleuchte Betrieb Kochzone HR	lamp working hot plate rear right
h1.7	Glimmleuchte Betrieb Kochzone VR	lamp working hot plate front right
h3	Glimmleuchte Temperaturreglung Hauptbratofen	lamp heating main oven
h3.1	Glimmleuchte Temperaturreglung Kleinbratofen	lamp heating top oven
h4	Bratofenlampe Hauptbratofen	oven lamp main oven
h4.1	Bratofenlampe seitlich Hauptbratofen	oven lamp side main oven
h4.6	Halogenlampe	lamp halogen
h5	Bratofenlampe Kleinbratofen	oven lamp top oven
h5.1	Bratofenlampe seitlich Kleinbratofen	oven lamp side top oven
h7	Fleischtemperaturanzeige	meatprobe display
h9	Anzeigeleuchte Übertemperatur	lamp overheating
h10	Analoguhr	analog timer
h11	Elektronikuhr	electronic timer
h12	6-Tasten Elektronikuhr	6-push electronic timer
h20	timer Vorwahl VR/HR Mulde	timer primary code hob
h30	Restwärmeanzeige	residual lamp
h40	Anzeigeplatine	display board
h52	Anzeige Herd	display oven
K	Kupplung	clutch
k1	LTC(Niedrig Temp. Garen) Relais	LTC(Low Temp. Cooking) relay
KS	Schalter Kindersicherung	switch child safety
KS1	Kochplattensteller VL	rotary hot plate front left
KS2	Kochplattensteller HL	rotary hot plate rear left
KS3	Kochplattensteller HR	rotary hot plate rear right
KS4	Kochplattensteller VR	rotary hot plate front right

Kenn-zeichen	Beschreibung	Description
M1	Muldenanschlußgehäuse 14-polig 1+2	hob connector 14-pol. 1+2
M2	Muldenanschlußgehäuse 14-polig 3+4	hob connector 14-pol. 3+4
m1	Lüfter Heißluftgebläse	fan hot air
m2	Querstromlüfter Bratofen	fan cooling
m3	Trafo Halogenlampe	transformer halogen lamp
m4	Trafo für Uhr	transformer timer
m5	Trafo Elektronik	transformer electronic
m6	Stirrer Motor	motor stirrer
m8	Hochspannungstransformator	transformer high voltage
m12	Grillmotor	turnspit motor
m20	Kühlgebläse, L3	cooling fan, L3
N1	Elektronikplatine Leistung	electronic powerboard
N2	Induktionsmodul	modul of induction
N3	Elektronikplatine Rhea	electronic board Rhea
N4	Steckerplatine	connector board
PE3	Erdungsstützpunkt Frontrahmen links	ground point front frame left
PE4	Erdungsstützpunkt Frontrahmen rechts	ground point front frame right
PE/1b	Erdungsstützpunkt Komponentenplatte	ground point component plate
Q1	Schnellaufheizen Kleinbratofen	quick start module top oven
r6	Oberhitze/Grill Kombination	top heating/grill combination
r7	Oberhitze Hauptbratofen	main oven top heating element
r7.1	Oberhitze Kleinbratofen	top oven top heating element
r8	Unterhitze Hauptbratofen	main oven bottom heating element
r8.1	Unterhitze Kleinbratofen	top oven bottom heating element
r12	Limiter Lüftemachlauf	thermal switch
r14	Grill Hauptbratofen	main oven grill heating element
r14.1	Grill Kleinbratofen	top oven grill heating element
r15	Warmhalteplatte	warming zone
r16	Ringheizkörper	rear
r19	Heizkörper Schublade	rack heating
r20	Vorwiderstand Kühlgebläse	preresistor cooling fan
r21	Heizkörper Grill	heater grill
r22	Heizkörper Friteuse	heater fryer
r27	Vorwiderstand BO-Lampe	preresistor oven lamp
r27.1	Vorwiderstand BO-Lampe seitlich	preresistor oven lamp side
r31	Kochplatte VL	cooking plate front left
r32	Kochplatte HL	cooking plate rear left
r33	Kochplatte HR	cooking plate rear right
r34	Kochplatte VR	cooking plate front right
r35	Kochplatte mitte	cooking plate middle
s1	Sensor TE VL	sensor pot detection front left
s2	Sensor TE HL	sensor pot detection rear left
s3	Sensor TE HR	sensor pot detection rear right
s4	Sensor TE VR	sensor pot detection front right
s11	Mikroschalter Umschaltung Gas/Elektro	micro switch gas to electro
s12	Mikroschalter Umschaltung Grill/Friteuse	micro switch grill to fryer
s13	Mikroschalter Buchse Grill	micro switch grill socket
s14	Mikroschalter Sensor	micro switch sensor
s19	Schalter für Schublade	rack switch
s21	Sensor Grill	sensor grill
s22	Sensor Friteuse	sensor fryer
TR	Teleskopschalter	telescopic runner switch
X1	Netzanschluss/klemme	main terminal
X10	Stiftdoppelwanne 6-polig	tandem pin shells 6-pol.
X11	Stiftdoppelwanne 8-polig	tandem pin shells 8-pol.
x20	Steckerleiste, L3	frame connector, L3





THE ITEM(S) SHOWN IN THIS DRAWING MUST NOT CONTAIN FORMALDEHYDE, CADMIUM, MERCURY, ASBESTOS, ORPBB/PBDO.

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATIONS. IT'S PROPERTY OF ELECTROLUX WITHOUT WHOSE PERMISSION IT MAY NOT BE COPIED, SHOWN OR HANDED TO A THIRD PARTY OR OTHERWISE USED, AND IT IS TO BE RETURNED PROMPTLY UPON REQUEST TO ELECTROLUX WHICH IS RESPONIBLE FOR THE DRAWING.

[2] CRITICAL DIMENSIONS WHICH MUST BE UNDER CAPABILITY

SAFETY RISKS

; VISIBLE SURFACES

DRAFT ANGLES (NOT SHOWN): 00°00'00"

THEORETICAL FLAT AREA -

DEVELOPED FLAT AREA -

GENERAL TOLERANCES

ANGLES : ±°

LENGTHS IN DIAMETERS

≤3 mm : ±...

3 - 18 mm : ±...

>18 mm : ±...

A	first edition	Weiß	DGT 26149	2005-03-21
ZUST	MODIFICATIONS	SIGNATURE	REQUEST	DATE

DESIGN OWNER	DRN	CHD	DATE	DESIGN USERS	EUROPEAN METHOD
DGT	DGR-PE_PD	Weiß	2005-03-21		
		APPR Weiß			

Electrolux

TITLE circuit diagram induction G4 (split)

TITEL Schaltplan Induktion G4 (split)

NUMBER 387 0608 SHEET 01(01) REV A

A4

Electrolux Distriparts

SERVICE MANUAL

HOBS

Repair-Instruction for induction hobs

Muggenhofer Straße 135
D-90429 Nürnberg
Germany

Fax +49 (0)911 323 1022

DGS-TDS-N
Ausgabe: 04.08

Publ.-Nr.
599 519 523
685
EN

1 General Information

These instructions serve the repairing of autarkic cooking hobs and cooking hobs in combination with an oven with 3 or 4 inductions cooking zones respectively of the type E.G.O.. Also includes hobs with 2 induction zones (Domino, Mixed, Mixed gas) and the Frontline appliance series.

Please search for the corresponding alarm
symptom and then go through the alarm remedy measures from top to bottom.
Information concerning the replacement of parts is to be found in the corresponding replacement instructions or are included with the spare parts.

All work is only to be carried out on the induction modules and the heating elements are only to be carried out after they have been disconnected.

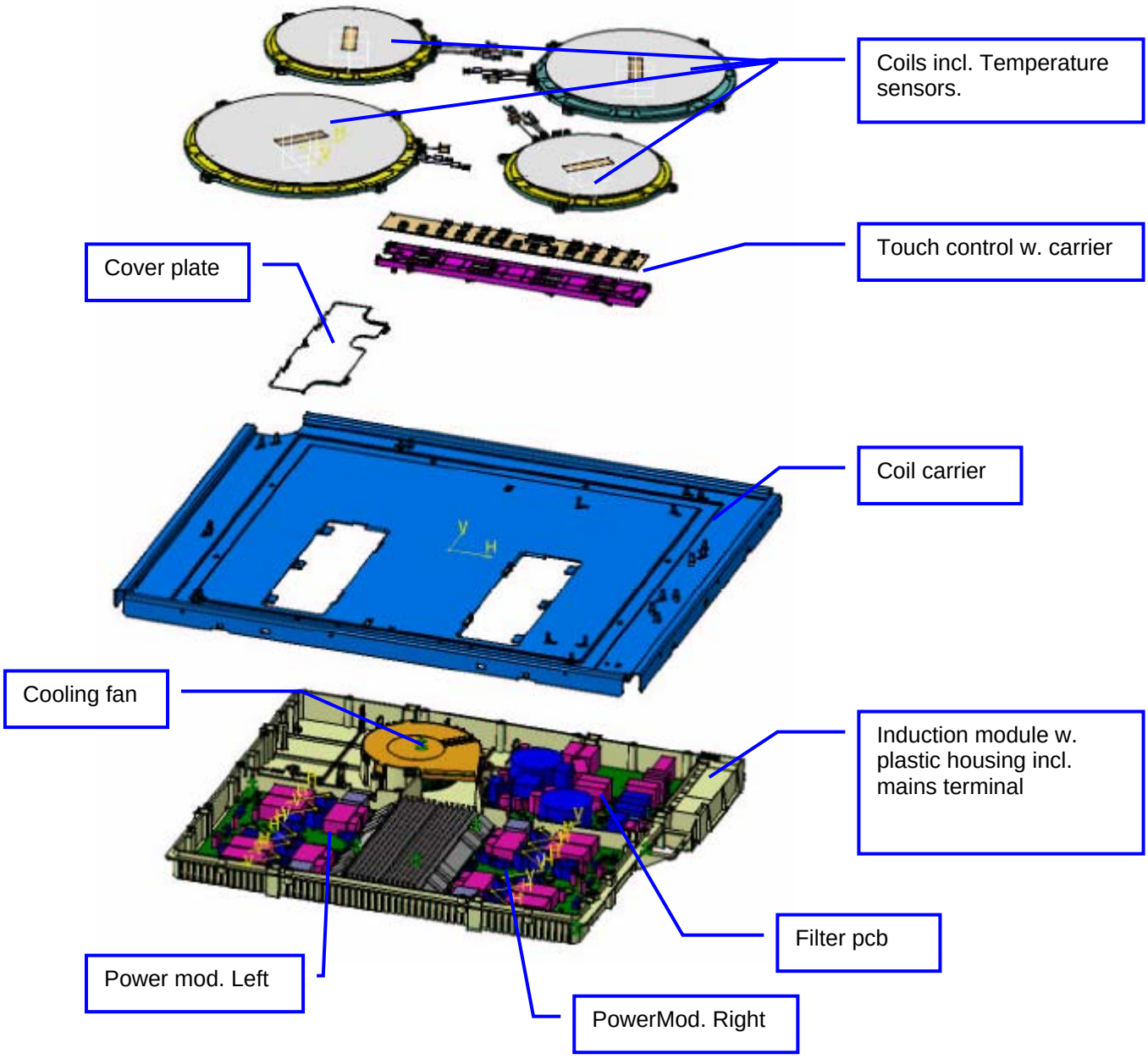
1.1 Leak current

A leak current of 5mA is normal and is therefore much higher than with other appliances.

1.2 Standby

The Standby power consumption amounts to < 1W (Induction plus user interface in the autonomous, exception Frontline up to 2W).
The µprocessor for the measuring of the coil temperature is deactivated in standby, i.e. should the cooking hob be heated up to hot pan being on the zone, no heating display "H“ is displayed when switched off.
In this condition, the ventilator is also not switched on by external heating.

1.3 Block Diagram/Hob elements



2 Alarm Symptoms

2.1 Appliance not functioning at all, cannot be switched on

References e.g. **(1)** refer to the illustrations in Chapter 2.8

Alarm Symptom	***Cooking Hob Display***	***Possible Alarm Cause***	***Alarm Remedying***
House fuse triggered	None	Incorrect connection at the power connection terminal.	**(1)** Test the pin assignment and 230VAC between N and the phases on the supply line.
		Final induction phase defect.	See chapter 3 Testing Power Component
Cooking field cannot be switched on. Normally no "pips" approx. 4 sec. after mains voltage is applied respectively no quick flashing up of the display in the cooking zone with not self-sufficient cooking zones or front line appliances.	None	Electronic system no longer reacts	Disconnect the appliance from the mains using the house fuse, reactivate after approx. 10 sec..
		No mains voltage or incorrect connection (1 phase missing ->no control voltage; N not connected to terminal 4 and 5 not connected)	**(1)** Test the pin assignment and 230VAC between 4 N and the 2 phases on supply line terminals 1 and 2. Both of the "N"s should be connected to terminals 4 + 5, if appr. jumper.
		No 5VDC betw. Pin 1 + 3 of the Bus for the Touch Control	**(2)** Test 1+3 5VDC on the underside of the cooking field (corresponds with the external lines of the bus between filter and Touch Control), if not applied, replace the Filterboard. Caution: this is difficult to test from underneath using normal test probes!
		Connector of the cable to the Touch Control / Display not inserted.	**(3)** Test connector at the filter and Touch Control. Reapply the mains voltage.
		Fuse strip conductor burnt out and/or final induction phase defect	See chapter 3 "Check power section"'
		Touch control/display defect.	If 5VDC exist and power component already replaced: replace Touch Control, ensure that the Touch Control is applied to the glass.
Every 5-10 sec "beep" of touch control	None	N not connected to terminal 4 or 5.	**(1)** Test the pin assignment and 230VAC between 4 N and the 2 phases on supply line terminals 1 and 2. Both of the "N"s should be connected to terminals 4 + 5, if appr. jumper.
Only Frontline appliances: cooking zone can not be activated. Display fully on for more than 5 sec.	All indications ON	Flat band cable between user interface and glass (touch keyboard) not plugged correctly.	Check line for seat and correct position (contact direction), see capter "References Frontline"

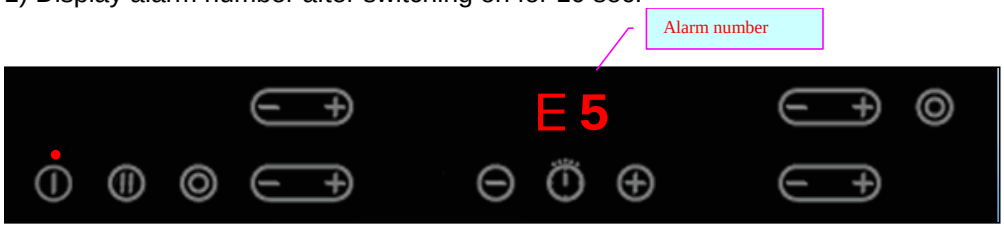
2.2 Individual cooking zones do not work (partially) or work incorrectly or cannot be used

Alarm Symptom	*Cooking Hob Display*	*Possible Alarm Cause*	*Alarm Remedying*
Pan does not heat up.	Normal cooking phase	Pan in the border area of the pan detection and only works with low power	Use different pot or this pot on a smaller hob. See Chapter 4 Pot Detection Information
	Flashing "F“	Pan not detected.	Check whether the pots or pans are suitable for induction. See 4 Pot Detection Information
		Coil not correctly connected.	Check whether the coil lines are connected and the torque has been adhered to.
		Distance between coil and glass ceramic too large.	Check whether the coil is applied to the glass ceramic and whether the glass was pushed was pushed down when screwing in position.
Display "F" with 2 hobs with all pots (also 1 hob with 3 hob models)	Flashing "F“	1 phase missing ; only possible with induction SW.Ver. 0.50.	**(1)** Test the pin assignment and 230VAC between 4 N and the 2 phases on supply line terminals 1 and 2. Both of the "N“s should be connected to terminals 4 + 5, if appr. jumper.
			Should the above not succeed, replace the affected power component..
No power on all hobs	Normal cooking phase	Demo mode activated.	See Chapter 5.2
Individual buttons cannot be used or cannot always be used.		Touch Control defect.	1) See Chapter 5. Touch Control Autarkic Cooking Hobs Information.. 2) Should this not help, replace Touch Control.
Cooking hob power too low or not provided for a longer duration.	Normal cooking phase	Incorrectly installed, exhaust not possible to the front.	**(4)** Change installation situation.
		Unsuitable pots (bottom bent)	See Chapter 4 Pot Detection Information
		Induction coil is not applied to the glass ceramic	Check whether the glass ceramic was pushed down when being screwed in position and the coil has been correctly positioned.
		Fan does not start.	1) When setting a cooking phase >0, the fan runs at a slow speed. If not, check the fan for foreign bodies, remove these where appropriate. 2) If necessary, replace fan. 3) Should this not succeed, replace power component.
"H" in display when cooking hob and oven cold and switched off.	"H“	Temperature sensor defect.	Replace corresponding coil with temperature sensor. Also see Instructions "E4“.

2.3 Alarm message "E“

When the appliance is switched on, "E“ / „xx“ Alarm Number is displayed in the timer display. With Frontline the display of the front zone indicates the error number when switching on. The affected zones are subsequently displayed with an "E" in the cooking phase display and are thereby disabled. The other zones can still be used.

example (left touch control / right indication in the cooking zone):
1) Display alarm number after switching on for 10 sec.



2) 2 zones are disabled.

Alarm Symptom	***Display in the Cooking Hob Timer***	***Possible Alarm Cause***	***Alarm Remedying***
Alarm display in the Touch Control display.	"E0“	Incorrect configuration on the Filterboard.	Disconnect cooking hob from mains, wait 10 sec and reconnect the mains supply. Should alarm still be displayed, replace filterboard..
	"E3“	Under voltage or over voltage, is only displayed for 10 sec. after voltage has been applied.	1) Disconnect cooking hobs from the mains, wait 10 sec. and reconnect the mains. 2) Should alarm still be displayed, test L1 against N (4), test L2 against N (5) at the mains connection **(1)**. 3) If OK, see See Chapter 3 Testing Power Component
	"E4“	Coil temperature sensor defect or not correctly connected.	1) **(5)**Inspecting the contacts on the power component. Is the connector inserted? 2) The resistance at room temperature (25°C) amounts to 1000 Ohm. This corresponds to approx. 3.3 Ohm per +1°C deviation. If not in this range, replace affected coil including temperature sensor. 3) Should above not succeed, replace power component concerned.

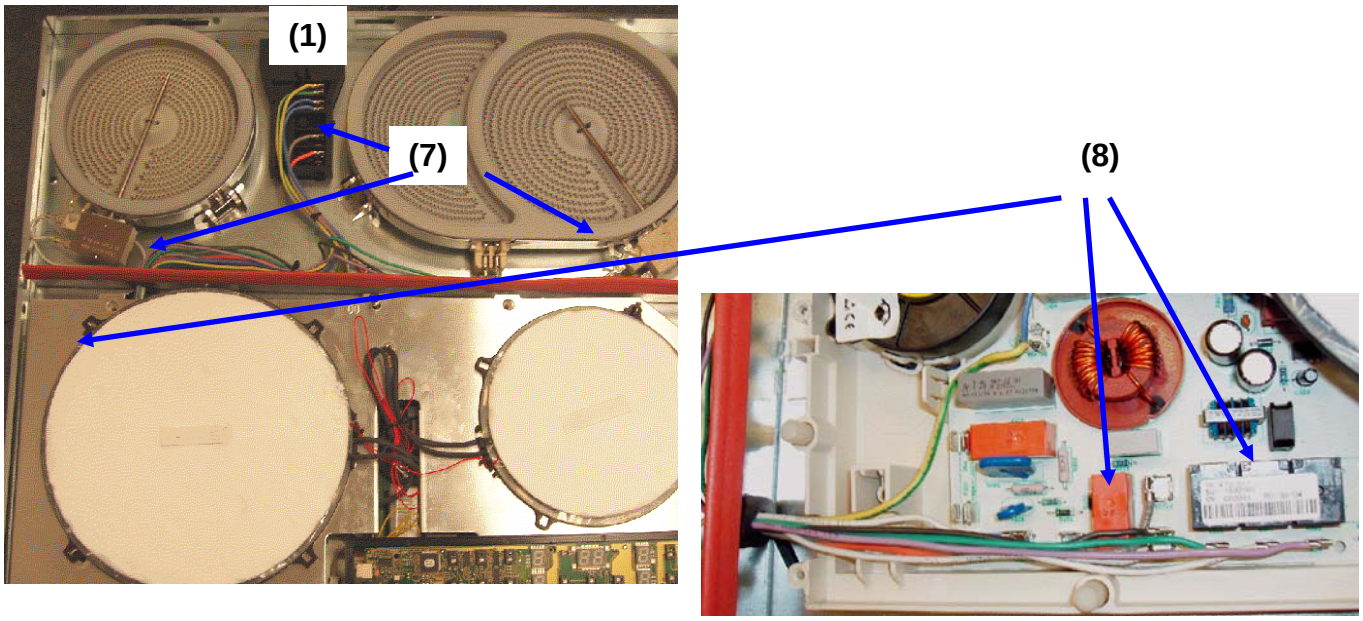
Alarm Symptom	***Display in the Cooking Field Timer***	***Possible Alarm Causes***	***Alarm Remedying***
Alarm display in the Touch Control	"E5“	1 phase missing	1) Check the house fuse. 2) Check the pin assignment, **(1)** test L1 against N (4), test L2 against N (5) 3) If ok, see Chapter 3.
	"E6“	Communication interference between filter and power component. or temp. Sensor is defective/missing Note: a norm requirement with regard to new powerboards results in the power supply for the electronics on the powerboard being deactivated in the case of a missing or incorrect temp. sensor value.	1) **(5)**Checking of the contact with the power element. Is the temp. Sensor connector locked in place or the dummy connector (3 zone appliances, no coil connected) inserted? 2) The resistance at room temperature (25°C) is 1000 Ohm.A deviation of +1°C corresponds to approx. +3.3 Ohm Replace the corresponding coil incl. Temperature sensor if not in this zone. 1) Check the cables between the two boards. **(6),** Reinsert connector. Or replace cable. 2) Should all of the zones on the cooking hob be affected (Display "E" in the cooking phase display), replace filter board . 3) Should the above not succeed, replace power component.
	"E7“	Alarm Temperature sensor heat sink power component	Replace affected power component.
	"E8“	Communication interference betw. filter and Touch Control. Central line at RAST2.5 connector / line defect.	1) **(3)** Inspect connector at filter and the Touch Control. Replace cable or filter and Touch Control. Reconnect mains voltage. 2) Should above not succeed, replace Touch Control. 3) Should above not succeed, replace Filter board.
	"E9“	Incorrect configuration for the Touch Control on the Filter board.	Disconnect cooking field from the mains. Wait 10 sec. and reconnect to the mains voltage. Should alarm still be displayed, replace Filter board.

2.4 Other alarm symptoms

Alarm symptoms	Display	Possible Alarm Cause	Alarm Remedying
Buzzer defect		Touch control defect.	Replace Touch Control.
Individual display elements do not illuminate or do not do so continuously.		Defective display elements	Replace Touch Control.
Penetrating aromas from the hob when warm.		Coils subjected to a manufacturing defect.	The aroma is non-toxic. Replace the affected coils. These also have a slight arom when cold. Clean the glass and aluminium sheet.
Pots cause noises		Unsuitable pots.	See Chapter 4 Pot Detection Information.
		Normal sound level	Interference noises result from the high working frequency of the induction. This can vary from pan to pan. When measured in operation pursuant to EN60335 §11-3 pursuant to EN60704 with 4 pots <47dBA. A pot with boiling water has approx. 60-62dBA.

2.5 Cooking zone with electric heating element not functioningt

Alarm symptoms	Possible Alarm Cause	Alarm Remedying
Cooking zone not functioning.	No phase 2 power voltage or wrong connection	**(1)** Check the pin configuration and 230V AC between N (4) and the phases at terminals 1 and 2.
	Electric heating element defect	**(7)** Check whether the electric heating element is open between the connections or whther it has short-circuited. Replace the heating element if defective.
	Relay defective	**8)** Check whether the rely is defective and whether no voltage is applied to the electric heating element. Also refer to the circuit diagram.
	If the above should not succeed.	Replace the filter module with the relay



2.5.1 Electric heating element relay instructions

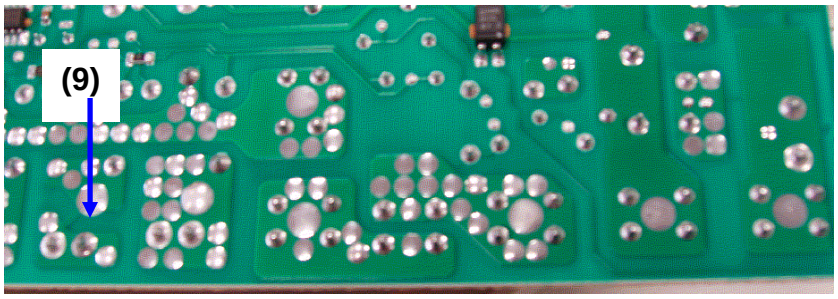
- Refer to the wiring diagram xxx.
  The electric heating element is pulsed on relay board HOC2000 in the cooker.
- Phase commutation with the cooker/hob combination, refer to Chapter 2.6, special error images for the cooker/hob combination.

2.6 Special error images for the cooker/hob combination

Peculiarities:

- Output
  L2 is not continuous and is only connected through when the right zone is switched through (D37 / D39, Details, refer to the wiring diagram).
- The display in the hob is supplied with 5V DC from the induction module.
- The electronic hob control in the cooker is supplied with 5V DC from the HOC2000 powerboard in the cooker.
- Mixed with the electric heating element:
  with the cooker/hob combination, the phases are normally connected to the
  L1 left cooking zone
  L2 right cooking zone

  The induction module (front left and right cooking zones) are however connected to the continuous phase L1.
  Therear right electric heating element zone is always connected to L2.
  L2 is only available however of one of the right cooking zones is switched on.
  In order to avoid an overloading of L1, the rear left zone is therefore operated with L1 (D29) or L2 (D37) if the front right zone is switched on.
  The phase commutation is executed with the assistance of relays K501 and K504
  A safety conductor strip **(9)** conductor strip of the K501 which can trigger a relay in case of an error occurring (e.g. contact stuck together).
  The output of the 210mm induction cooking zone is set to "P" if none of the right zones are switched on and the rear left zone is fully switched on, without this display being released.

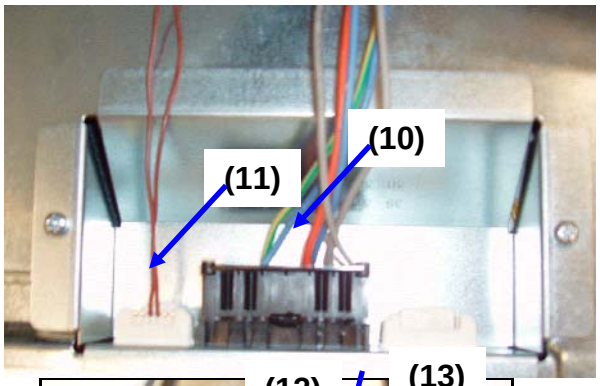


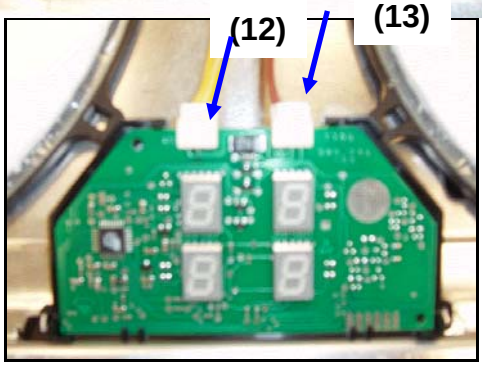
2.6.1 No display or error display on the cooking zone display on the cooker

Alarm symptoms	*Display*	*Possible Alarm Cause*	*Alarm Remedying*
Error display "E".	"E" if the display exists.		Errors in the cooking zone display in the cooker concern the hob. I.e. the same error number is displayed as in the hob display. For error displays, refer to Chapter 2.3. Error display "E".
When voltage is applied, the hob display illuminates briefly. But: no display at the cooker, no display at the hob, no output at the induction zones.		hob control in the cooker defective.	Additional instructions and tips concerning cooker problems are to be found in the Competence Service Manual Doc. No. xxx.

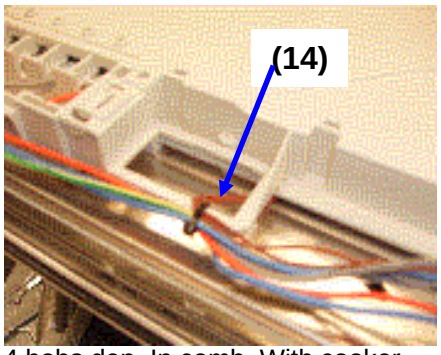
2.6.2 Cooking zone at the cooker okay, no display at the hob or no output.

Alarm symptoms	***Display***	***Possible Alarm Cause***	***Alarm Remedying***
The diplay in the hob does not illuminate when voltage is connected. Cooker display okay. But: no cooking stage display at the hob, no output at the induction zones.	None.	Output connector not inserted..	Check the connector (10) and the cable, check that it is correctly engaged.
		No cooker output.	Check pin D35 at the output connector to determine whether 230V AC voltage is connected.
		Communication connector not inserted or line damaged.	1) Checking the connection between cooker / hob (11). 2) Hereby also explicitly check the entrance point of the cable at the hob for damage (14). 3) Check the seat of the connector at the display in the hob (12) to the induction module or (13) to the cooker / external user interface, ditto induction module.
		No 5V DC betweem Pin 1+3 of the display bus	**(2)** check 5V DC Pin 1+3 on the underside of the hob. (corresponds to the our lines of the bus line from the filter to the display), if not connected, replace the filterboard. Caution: it is difficult to measure this from below with normal test probe!
		Display defect	Replace display
When voltage is applied, the hob display illuminates briefly. Display at cooker is okay. But: no output at the induction zones			See normal diagnosis chapter 2.2, individual induction cooking zones do not (temporarily) work or incorrectly or cannot be operated or see 2.3 chapter error display "E"

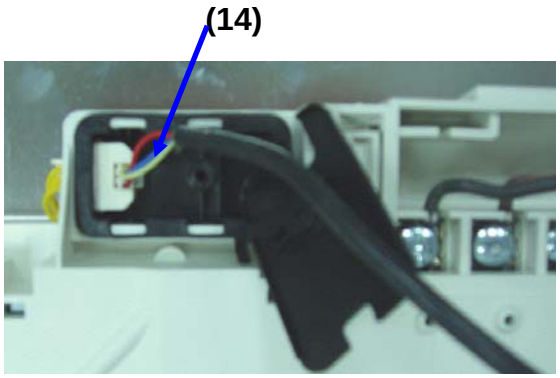




Display in the hob



4 hobs dep. In comb. With cooker



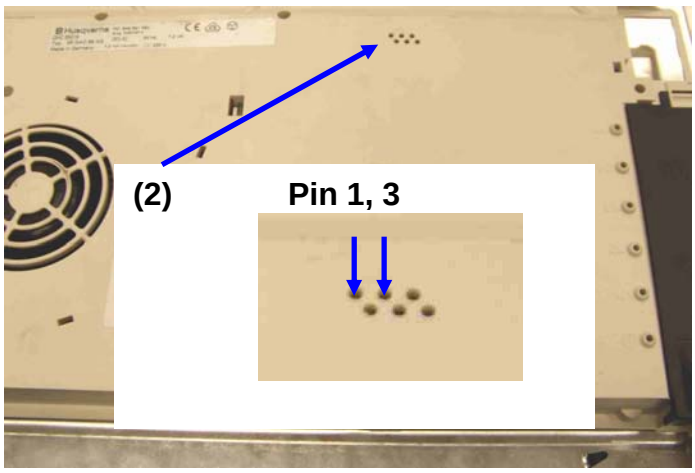
external user Interface

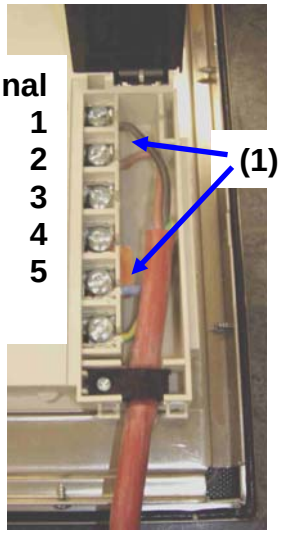
2.7 Unknown display

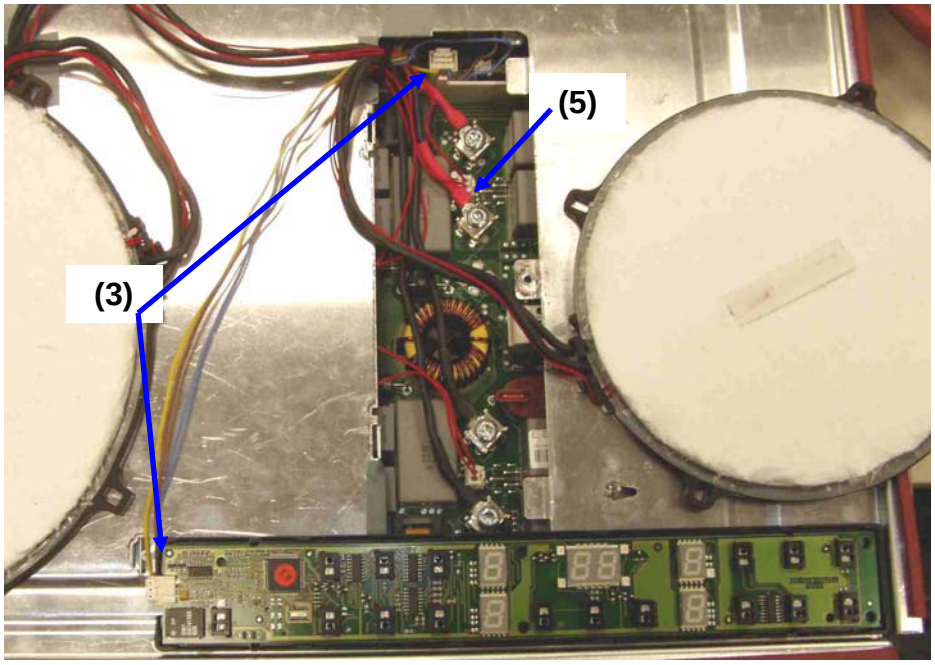
For details, refer to the cooking field instruction manual

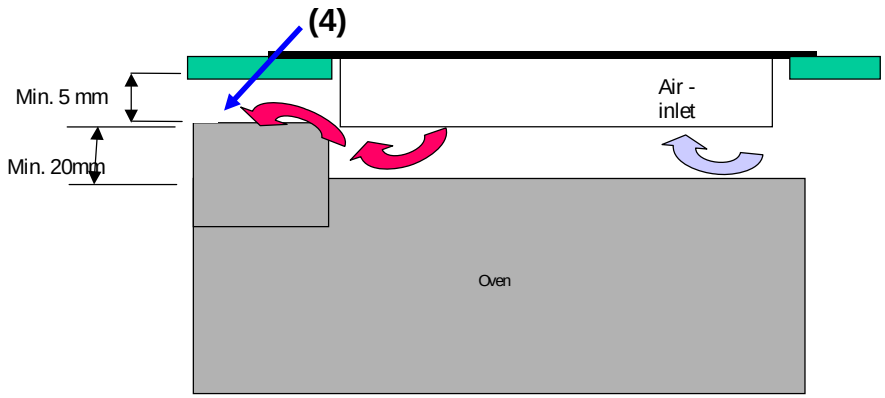
Symbol	Comment
„·“	Intermediate cooking levels („4.“)
„-“	Induction – zone switched off because of over temperature at the coil sensor (empty pot)
„A“	Fast heating up function („Ankochstoss“)
„E“	Alarm display siehe 2.3 Alarm message "E“
„F“	Pot detection – no pot detected
„H“	Residual heat indication
„L“	Lock – Function or key lock
„P“	Power (booster) function for induction
„◡“	Keeping warm

2.8 Control Point Illustrations





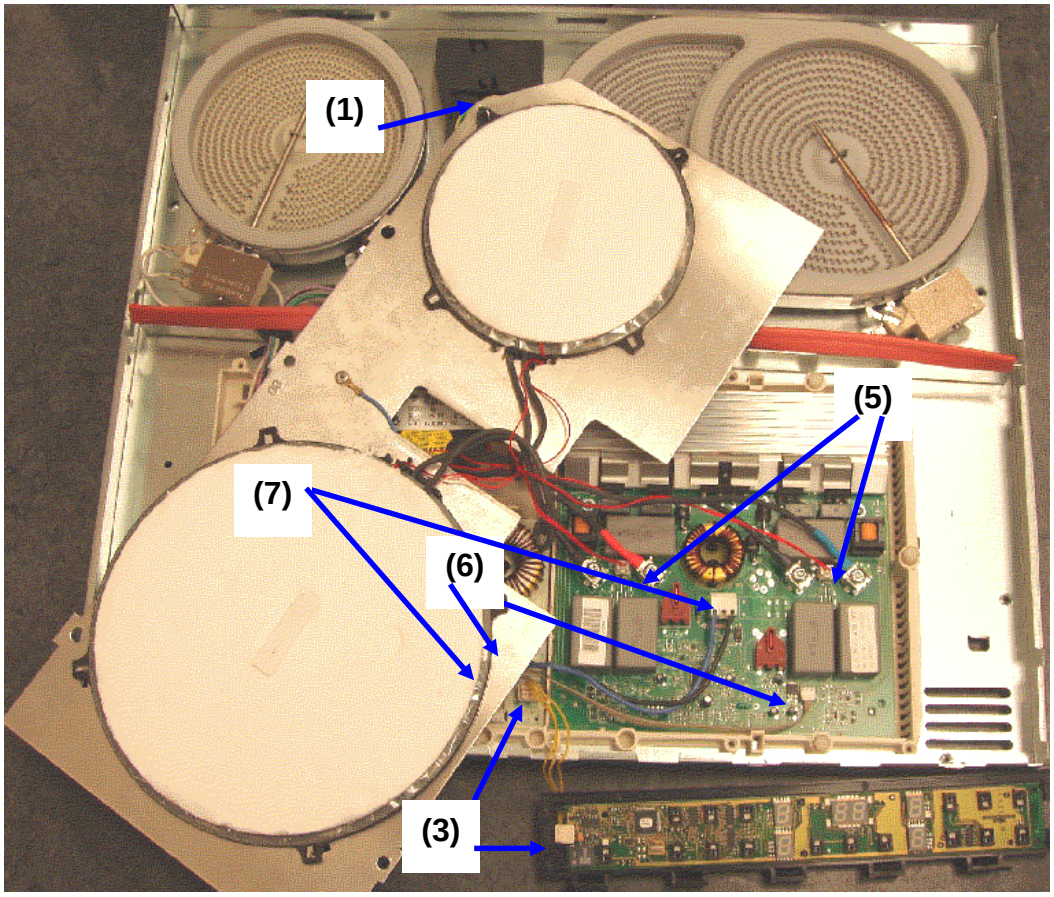




Remark: if there is no ventilation gap in the front it's still possible to operate the hob. Only with longer useage (>15 min.) the performance will drop. For Mixed hob this is e.g. – 20%, for full induction hobs it's higher.

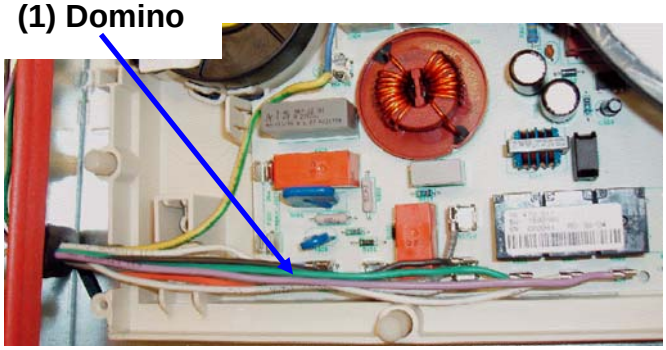
DGS-TDS
21.04.08

2.9 Images control point for 2 zones / Mixed Induction

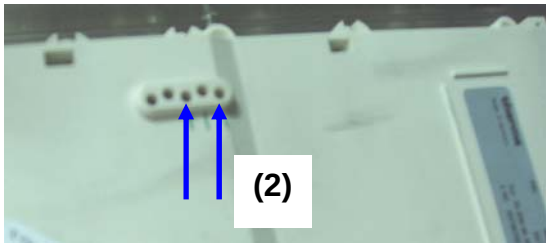


Attention: mains connection for Domino is directly on filter pcb.

(1) Domino



(3)



3 Testing Power Component

1. When alarm messages and disabled zones exist ("E“ in cooking phase display), please make a note of the power component which is affected.

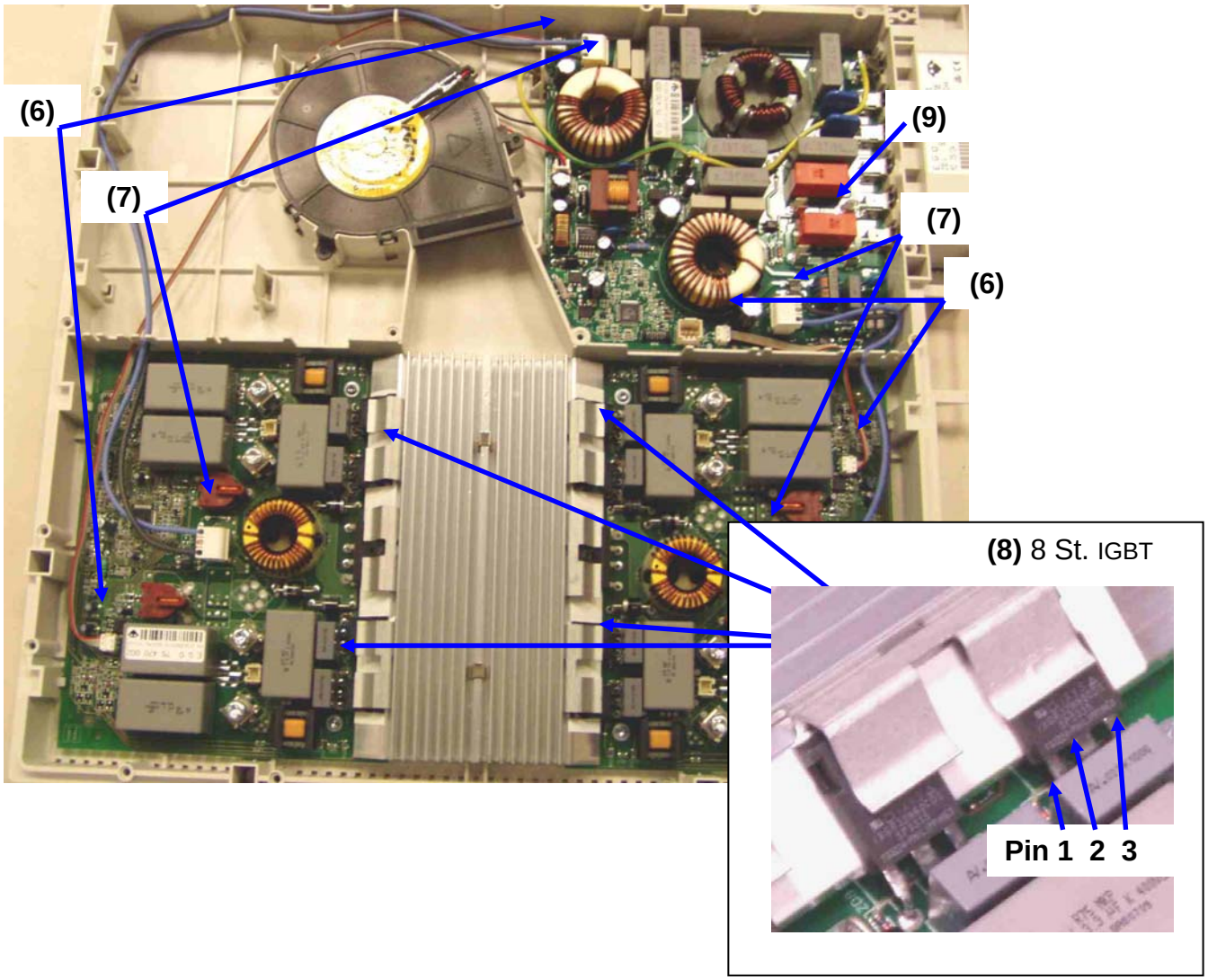
2. **(7)** Check whether the lead from the filter board is connected, also check the bus lines **(6)** µprocessors filter to power component.

3. If **(8)** IGBT has become shorted, this normally means that the IGBT housing is damaged. Replace power component

4. **(8)** Measure resistance at the IGBTs
   Pin1-Pin2 or Pin2-Pin3 >50kOhm → Okay
   <50Ohm → power component defect & replace
   Only replace the affected power component and **(9)** insert 20A fuse, completely separate the fuse strip conductor.
   S12 = right power component
   S11 = left power component

5. By a short-circuit and destroyed power component, it is imperative that the coil lines be inspected for signs of damage.

6. Also replace the filterboard should the replacement of the power component not succeed.



4 Pot Detection Information

Suitable pot materials:

- Steel enamel
- Stainless steel (with magnet. bottom)
- Aluminium (with magnet. bottom)
- Cast iron

Unsuitable materials:

- Aluminium (→ too much power)
- Copper
- Stainless steel (not magnetic)
- Glass
- Ceramic

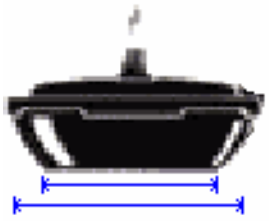
The pot detection is designed for the following diameters:

Nominal burner ∅ [mm]	Minimum pot bottom ∅ instruction manual [mm]	Minimum pot bottom ∅ adjusted with steel plate [mm]
145	125	100
180	145	120
210	180	140
260	180	180

With regard to Ind. G4, the same diameter is stipulated in the instruction manuals as for the previous model. However, the real diameter which still functions is much smaller.
The performance for different pots can very by as much as +/- 10-15%.

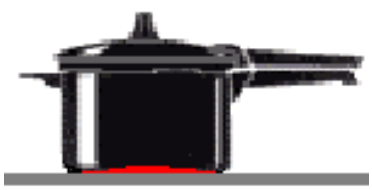
- As reference pots, we recommend enamelled steel pots (e.g. Silit).
- 2-3 mm thick round steel plates in various diameters are very suitable for testing the pot detection function.
- Sandwich bottoms can cause very unpleasant noises if they are not correctly pressed. The same is the case with regard to handles which are a little loose.

- The bottom diameter of the pot is decisive and not the exterior diameter.



- With regard to stainless steel pots with sandwich bottoms, the diameter of the magnetic part of the pot bottom is decisive.

- an additional influencing factor is the vertical distance from the coil, i.e. an uneven sandwich bottom has a negative effect on the power consumption. The effect is exactly the same if the induction coil is not pressed on the glass ceramic.



5 Touch Control Autarkic Cooking Hobs Information

- The Touch Control works on the basis of the infrared principle, i.e. a signal is transmitted with a transmitter which is then reflected by the finger and received once more.

5.1 Instructions on the operation / possible operation errors if the buttons do not function:

- Do not use with the flat finger. Hold the finger relatively upright.
  Otherwise 2 buttons can be activated, this is not signalled.

- Please do not approach slowly, especially not from the side, it is better to approach the button faster.
  A signal change is above all evaluated.

- Applying excessive pressure to the cooking hob will not make a difference.
  It is better to release it for 5 sec. and then press the button again.

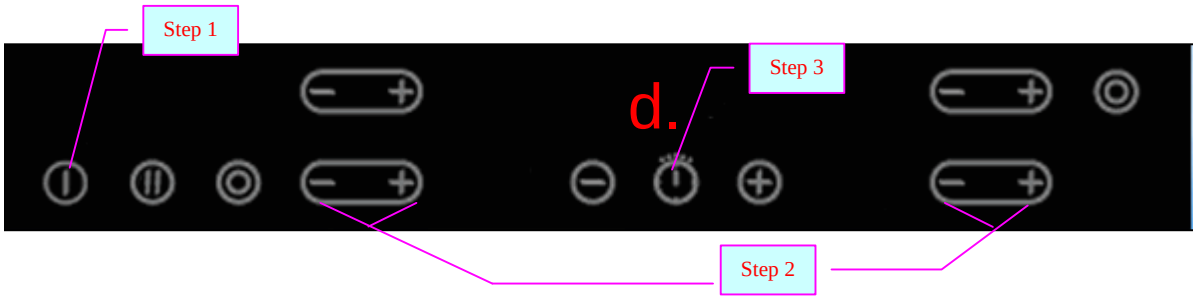
- If the adjustment of the cooking stage/timer does not continue after the button has been released, this is due to the fact that the Touch Control receives a "Button Pressed" signal even from a distance of some mm.
  If the user interface is not adjacent to the glass ceramic, the signal for the key evaluation is very much smaller and the keys can not be operated any more, i.e. pay always attention to intact plastic carriers.

- If the appliance switches off without that the glass ceramic has been touched, is this because a key in the extreme case.is switching even in a distance / height of 10 mm. This is the function principle of the touch control and is a normal behaviour. I.e. do not replace the touch control!

5.2 Demo mode / Self test (Service mode) / Alarm Menu

To enter the self-test/Demo mode, the following sequence of buttons must be pressed:

1. Hob is off. Press main switch continuously until display is going off (without beep).
2. Press the "+" and " -" buttons of the front zones together (->short beep) for about 3 seconds (-> again short beep)
3. Press the timer selection key



4. The display shows a "d" for demo mode.
   If you press the timer select key again you switch to “S” for Service mode, another press gets you to “E” the alarm menu.
5. By pressing the button "+" of a cooking zone you activate the menu.
   For example, status like above shown in the graphic – hob is in demo mode, press ‘+’ key of zone to deactivate the demo mode.

Demo Mode:
If demo mode is activated the display with the „d“ shows additionally a dot.
After selecting the demo mode, the electronic goes to off. Now it can be used like usual but only without heater activation. The deactivation of the demo mode is done in the same procedure as activating. After deactivating the demo mode the electronic must go off. Now the hob can be used in normal mode.

Service Mode “s”
Routine:
1. Test all LEDs / Displays for 10 Sec.
2. Show Software version Touch control for 10 Sec. in timer display
   In the 7-Segment Display for zone right front (zone 4) an “0” is displayed as an indication that it is step 0 – HUI.
3. Software display version power board.

Alarm Mode “E”
The last 5 stored alarm codes (if >o) are displayed like an actual alarm, each for 5 sec., starting with the oldest (read request ‘5’ Alarm code message) to the newest (read request ‘1’).

5.3 Product history

5.3.1 Change from automatic boost to manual boost

This change was done due to customer complaints. It was introduced in series production July2004.
The change is implemented with a modified configuration on the filter board of the induction.

5.3.2 Error appliance can not be operated, display indicates "0"

This error has been disappeared after a reset.
For that there were 2 fault reasons in the hardware and software, this was removed by SW Vers. 4.2 from Dec. 2004.

6 Frontline self-sufficient hobs

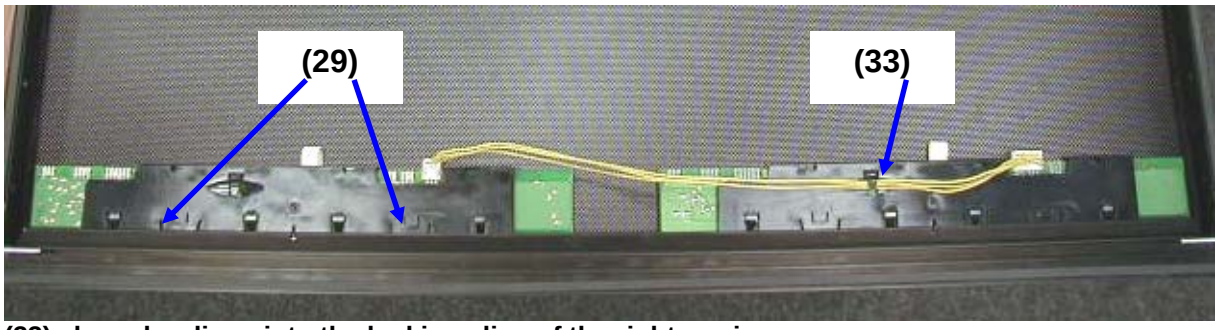
6.1 Special references disassembly/assembly in case of a service:

1. Disassemble appliance
   ➔ Remove tension clips

2. Open appliance
   ➔ Attention! Before disassembling the glass draw off the connecting line between the user interface at the glass and induction.

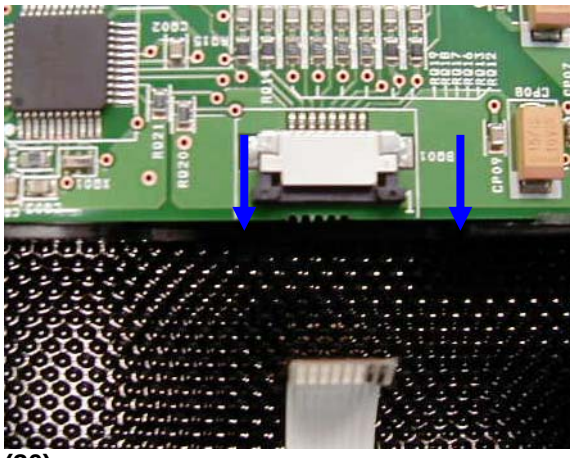
3. Replacement of display units
   ➔ By means of a coin loosen plastic carriers by pressing and turning (29)
   ➔ Shift back the plastic carrier until the front edge can be seen.
   ➔ Lay plastic carrier to the bottom side
   ➔ Remove locking bars like (30)
   ➔ Draw off flat band cable
   ➔ Replace electronic board
   ➔ Assemble in the same way. Pay absolute attention to the correct putting and locking of the band cable.

User interface and connection of two electronics at the glass ceramic (58 and 72 cm appliances)

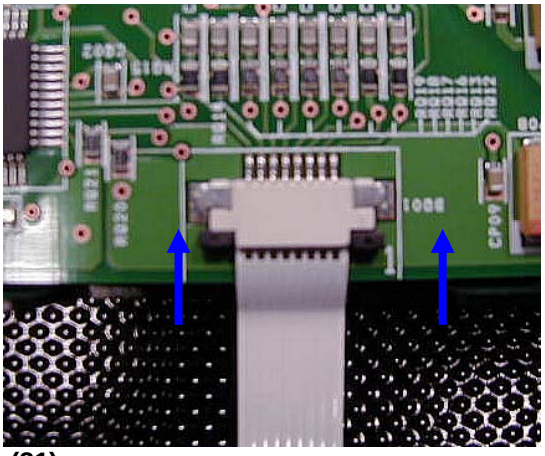


(33) clamp bradings into the locking clips of the right carrier.

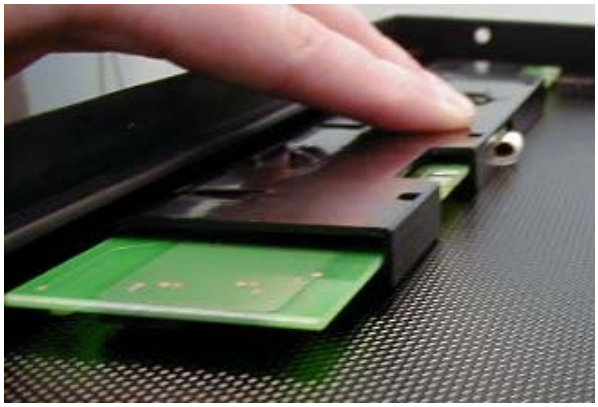
Assembly of band cable



(30)
Open locking (black bar)



(31)
Put band cable (silver contacts visible)
Close locking in arrow direction

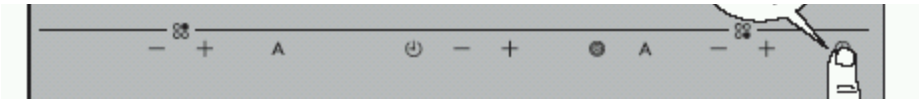


(32)
Turn down the electronic with displays onto the glass side, press the carrier flatly to the glass lower side and let it lock in. For assembly press the locking slightly to the bottom.

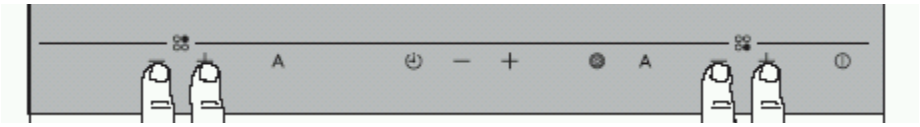
6.2 Demo mode / Self test

To enter the self-test/Demo mode, the following sequence of buttons must be pressed:

1. Hob is off. Press main switch continuously until display is going off.



2. Press the "+" and " -" buttons of the zones together (short beep) for about 3 seconds



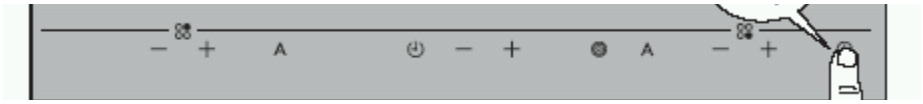
3. Then automatically the **software version** of the user interface is displayed, for example „2“ „8“ = version 28 and all LEDs / Displays are ON for 10 Sec. There is no alarm history mode available.

4. **Demo mode**
   By pressing the button "A" / „P“ of one of the rear cooking zone you activate the demo mode, the LED for Power function active is ON.
   With activation of the demo mode the hob can be used like usual but without heater activation.
   The deactivation of the demo mode is done in the same procedure as activating. The Led has to be off.

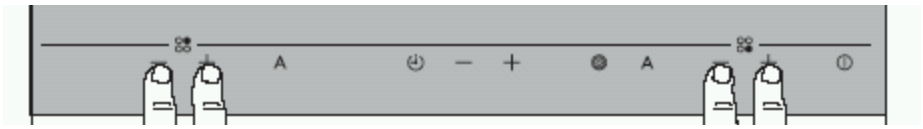
New Demo Mode/ Service Mode/ Alarm menu control philosophy starting with October 2007 production

To access the self-test/demo mode, press the buttons in the following order:

1. The cooking zone is switched off. Press the main switch until the display goes dark.



2. Press the "+" and "-" buttons of the zones (short beep) simultaneously for about 3 seconds.



3. After 3 seconds, a "d" for demo mode appears in the timer display or in the hot plate display (depending on the model).

You can change between demo mode "d", service mode "S" and alarm menu "E" using the timer button or "A" button (depending on the model). if you do not select anything, the unit will switch off.

Demo Mode „d“
Activation: Press the "+" button of the left-hand cooking zone
Indication in the timer display or in the cooking zones display (depending on the model): "do"
You can use the unit as usual, but without heater activation.

To be able to use the unit normally, you have to carry out the following steps:
- Repeat 1. to 3.; after 3 seconds, the timer display or the cooking zones display (depending on the model) indicates a "do".
- Deactivation: press the "+" button of the left-hand cooking zone
- Indication in the timer display or in the cooking zones display (depending on the model): "d"

SERVICE MANUAL

COOKERS

Cookers

New hob oven combination

„Criss Cross“

Fürther Straße 246
D-90429 Nürnberg
Germany

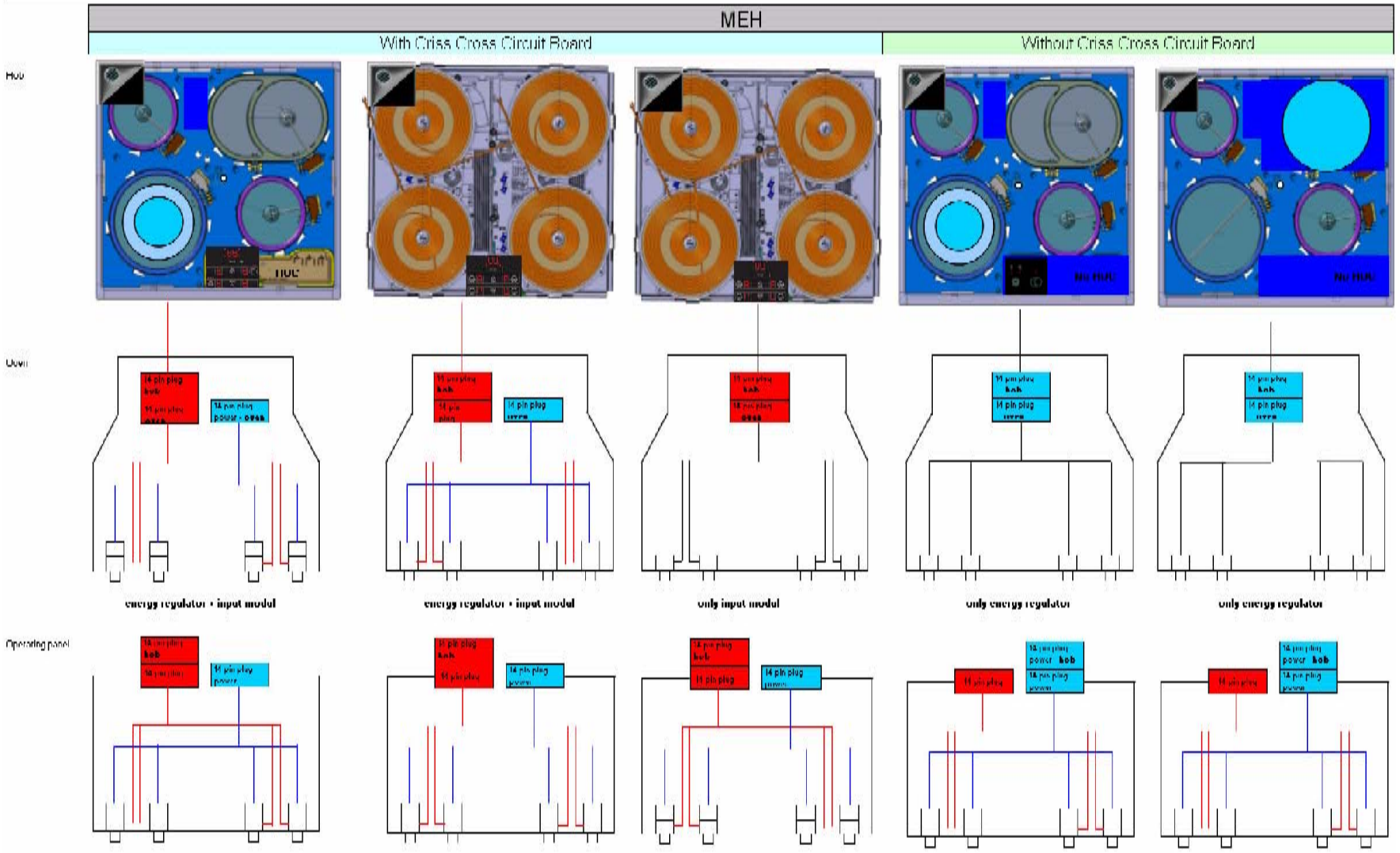
Publ.-Nr.:
599 722 426
685
DE

DGS-TDS-N
Ausgabe: 10.09

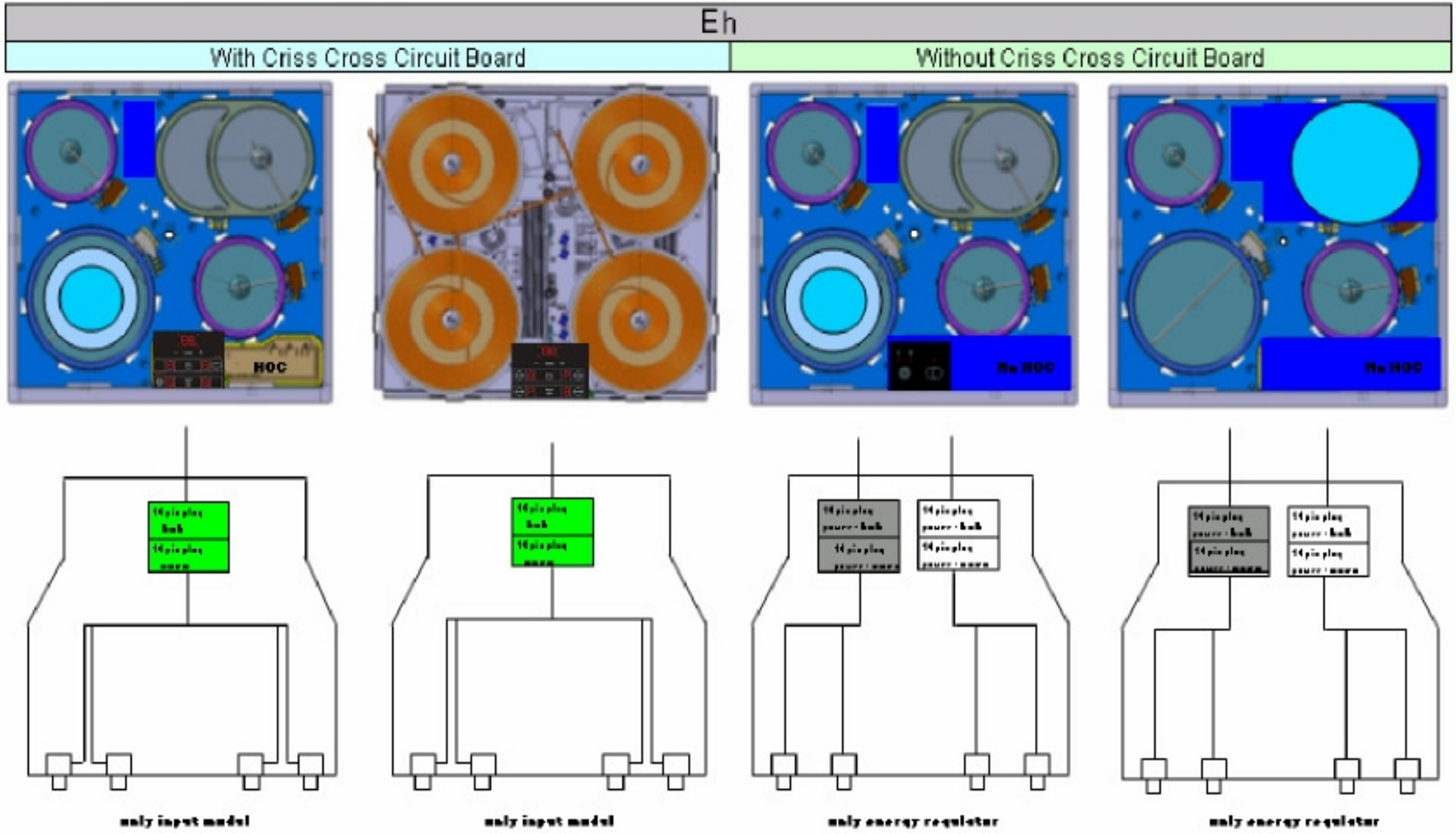
1. Project overview

Criss Cross is the Project name for the new hob oven combinations which is splited into two different ranges. MEH with steam exhaust and EH without steam exhaust.

MEH (with steam exhaust)



EH (without steam exhaust)

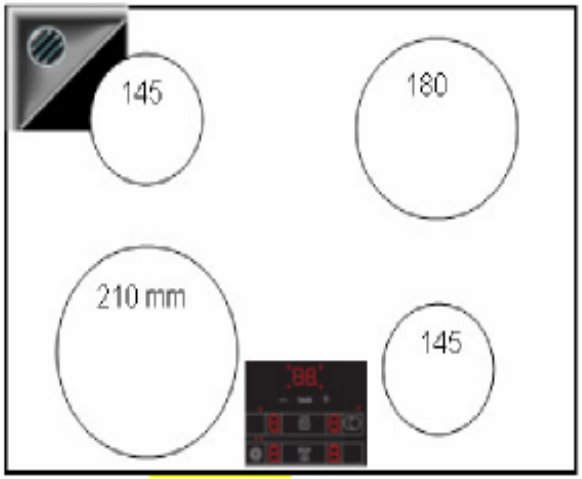


2. Description of MEH

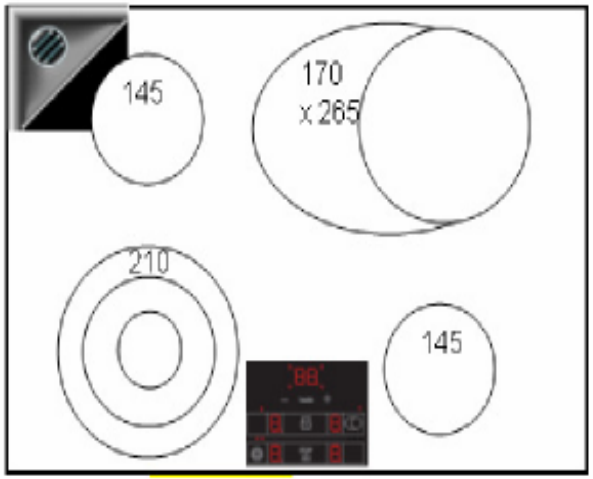
2.1 MEH radiant including criss cross circuit board

Layout

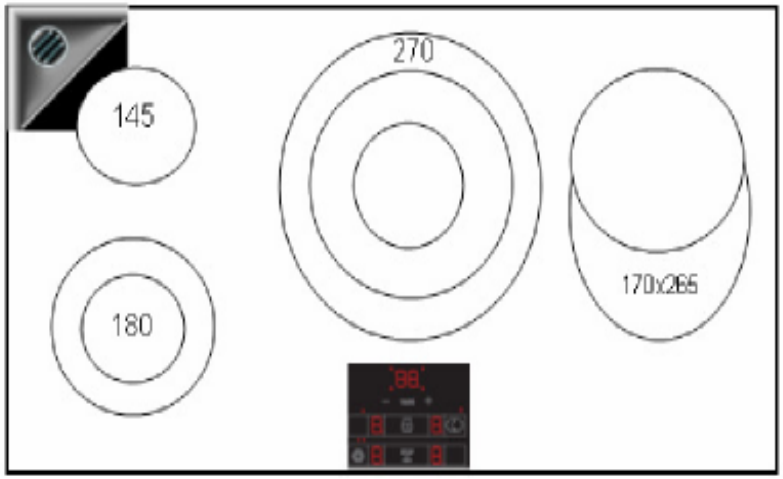
949 593 215 Radiant



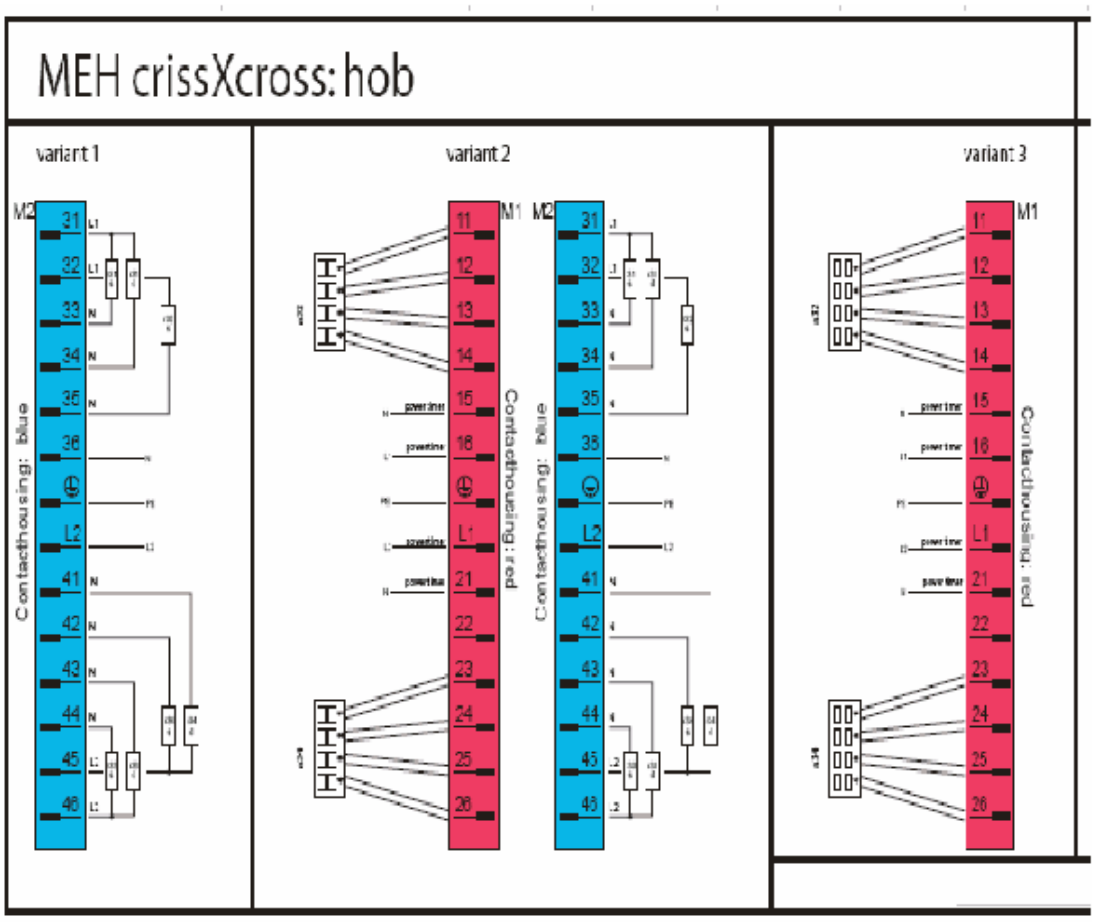
949 593 216 + ...218 + ...219 Radiant

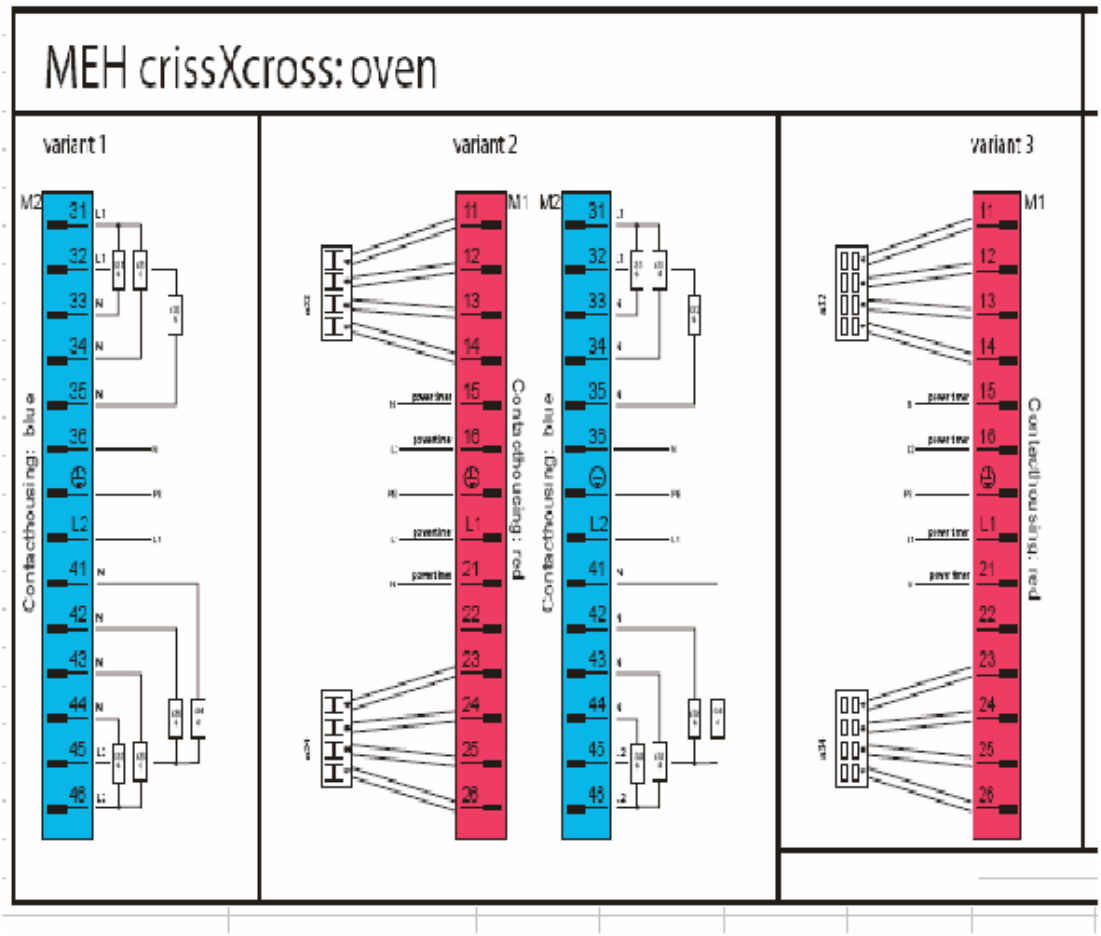


949 593 217 Radiant

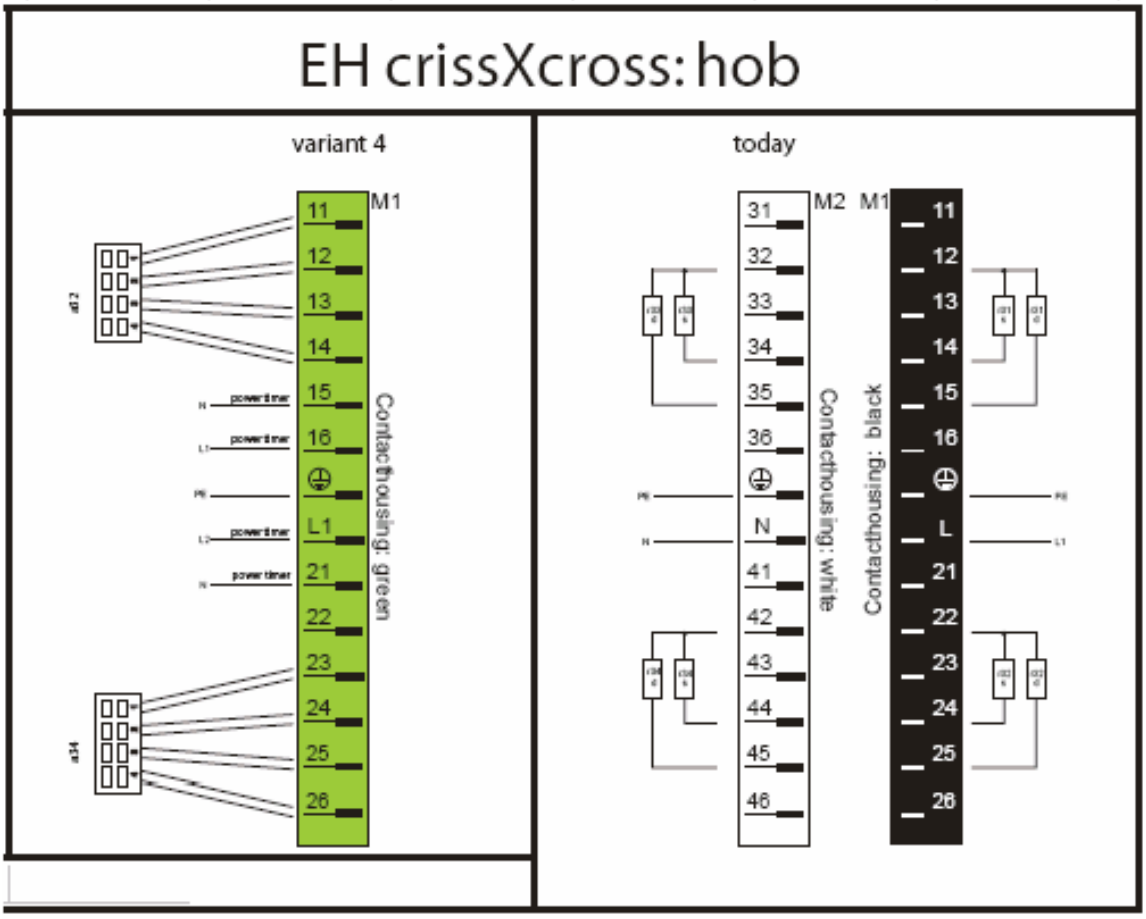


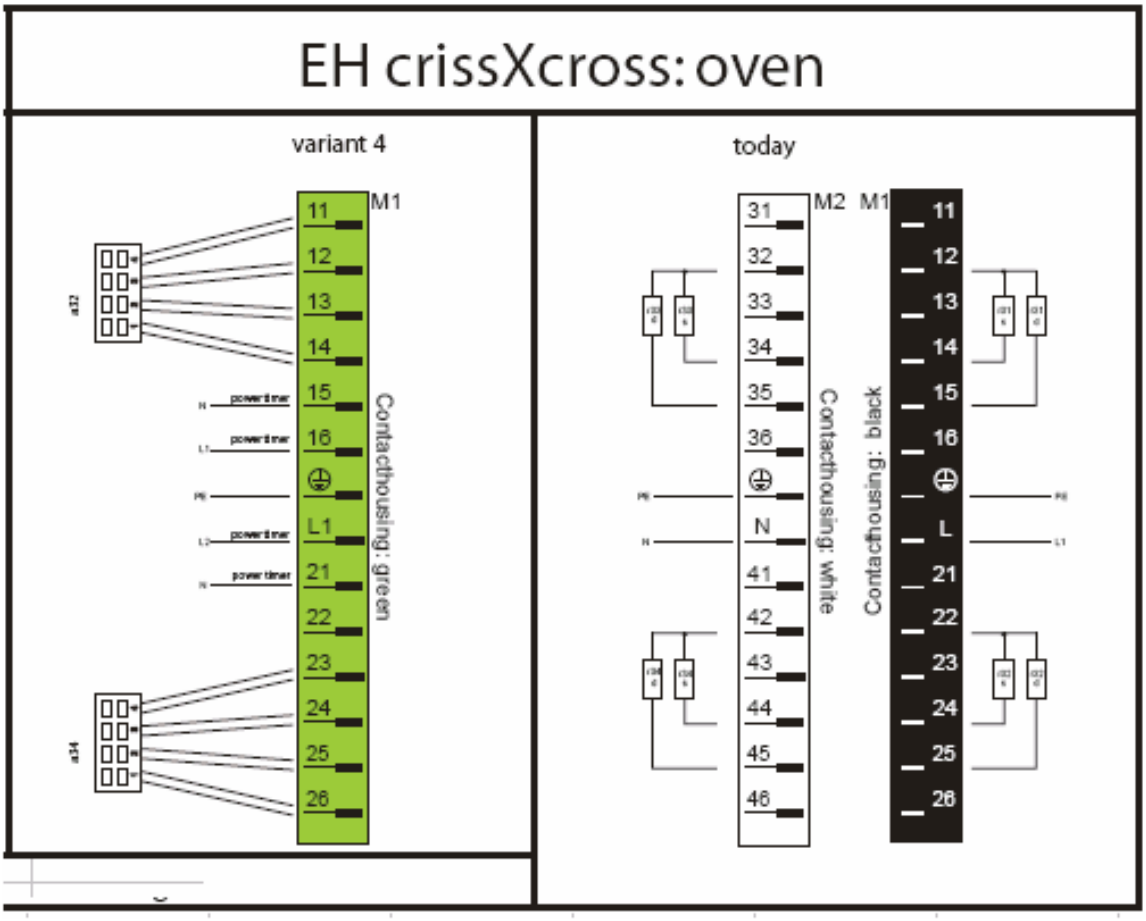
2.4 MEH Plug connections





3.4 EH Plug connections





6. Stand by power

→ New requirement: kpl. combination hob – oven must fulfill p < 2W

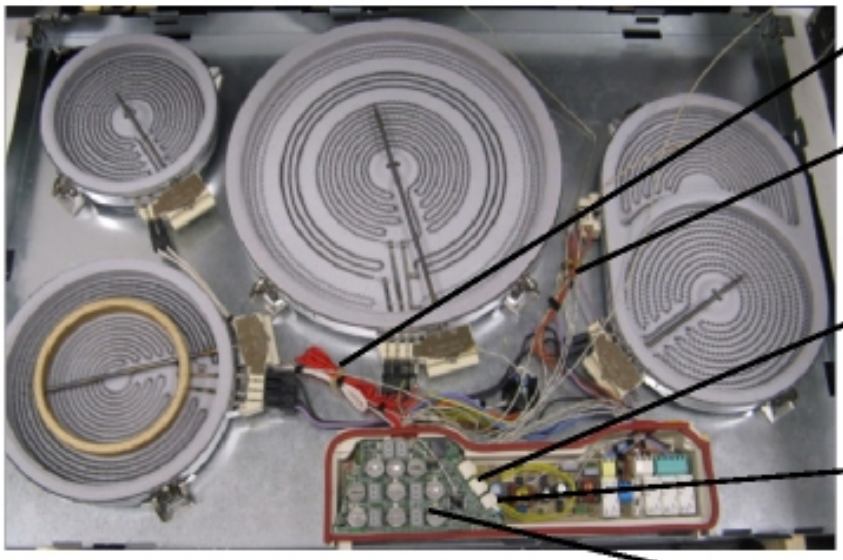
7. Technical details

7.1 Interface Criss Cross

7.2 Assembly of radiant hobs

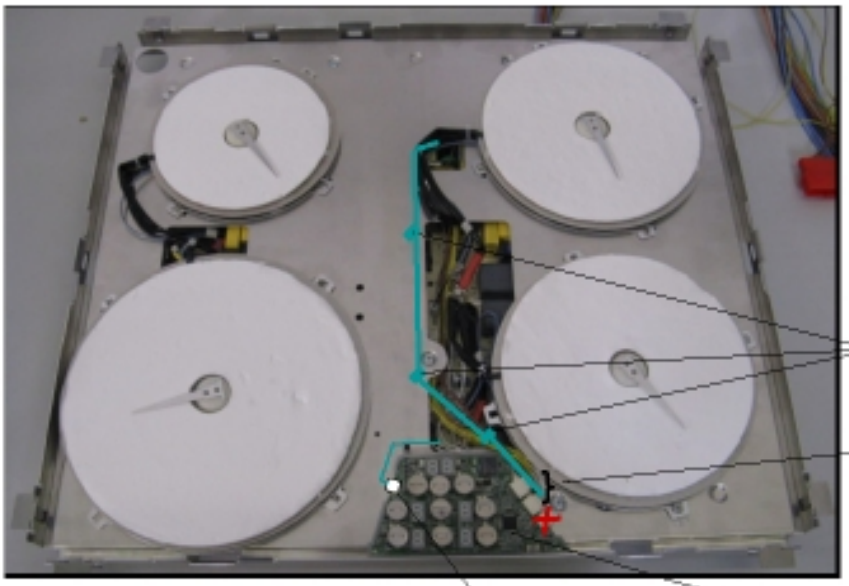
60cm including crissXcross user interface

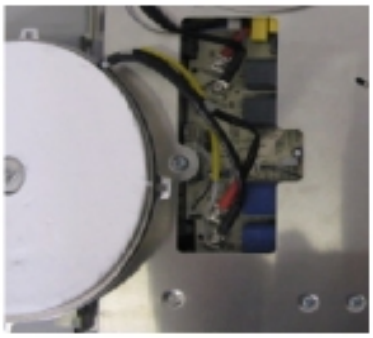
80cm including crissXcross user interface



7.3 Assembly of induction hobs

60cm standard induction hob



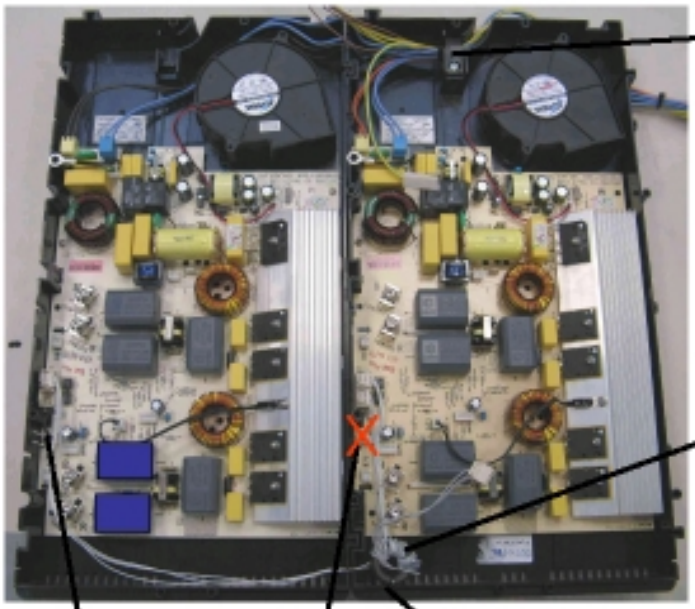


Cable holder

Control wires to oven rotaries

Criss cross user interface

Cable harness (connection to power boards)



Cord grip

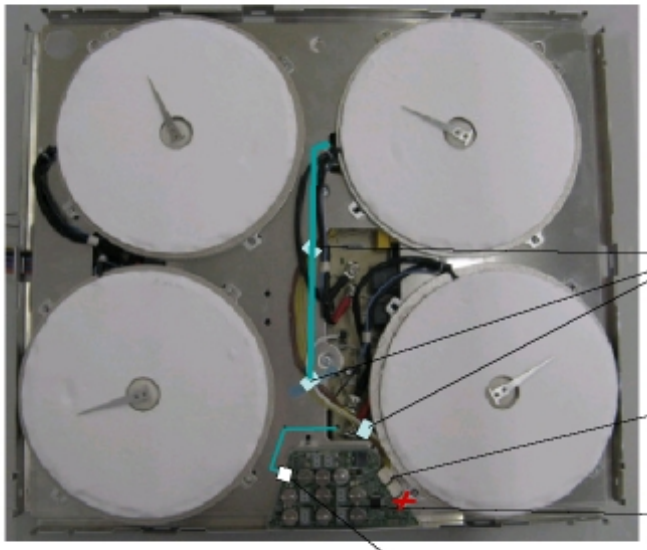
Ferrite core

Jumper

No jumper

Cable strap (Fastening of ferrite core)

60cm maxima induction hob

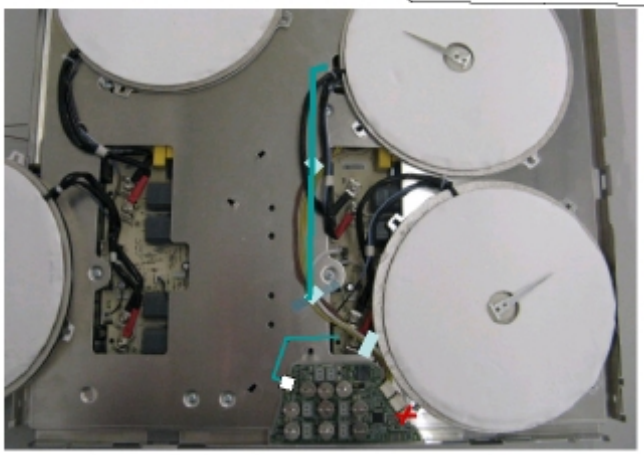


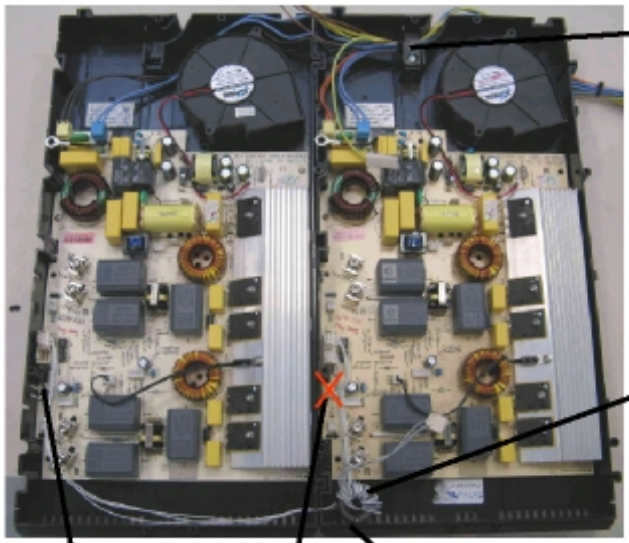
Cable holder

Control wires to oven rotaries

Criss cross user interface

Cable harness (connection to power boards)





Cord grip

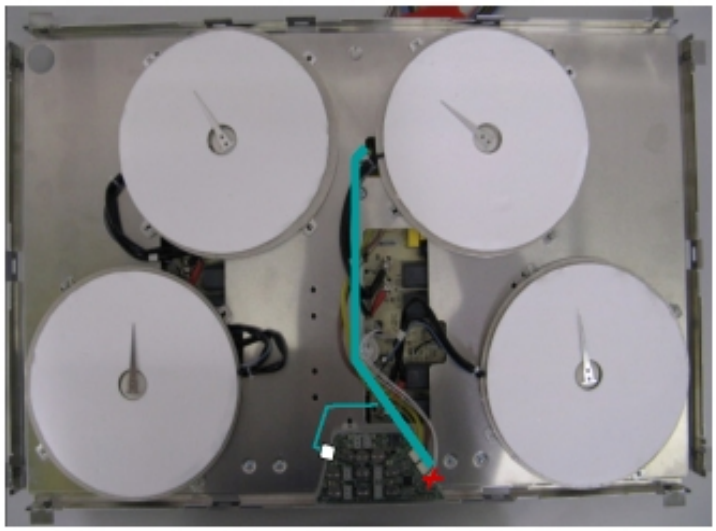
Ferrite core

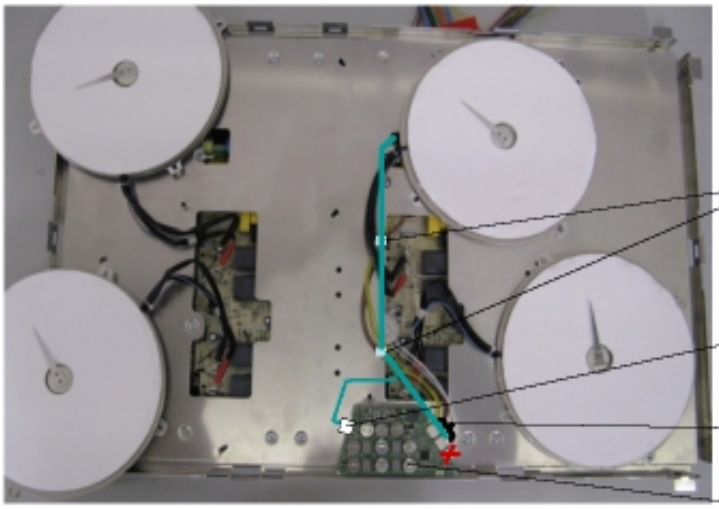
Jumper

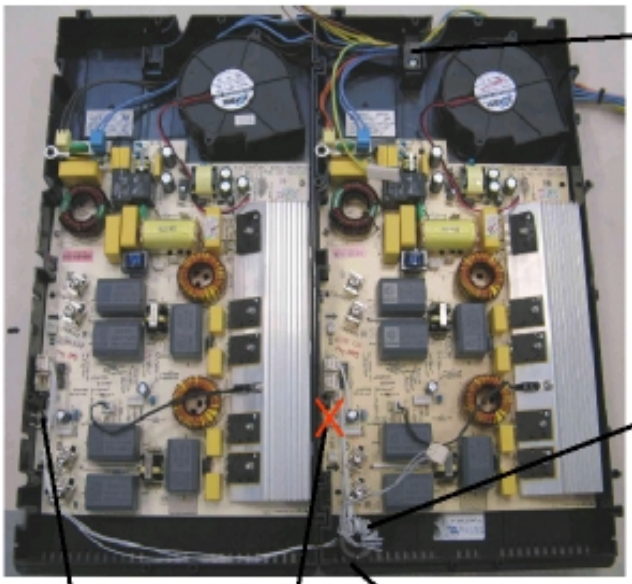
No jumper

Cable strap (Fastening of ferrite core)

80cm maxima induction hob







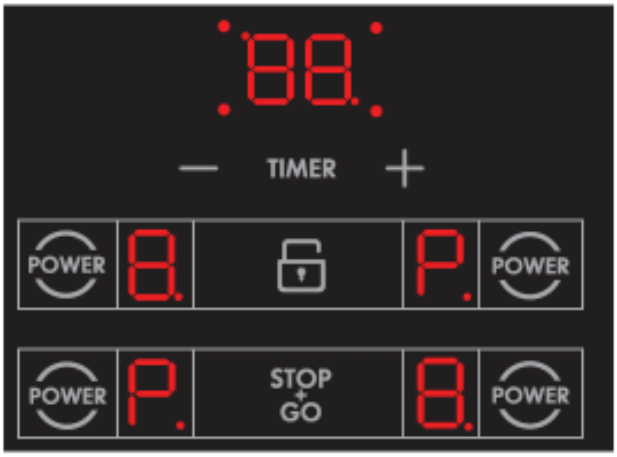
8. Auto End Test

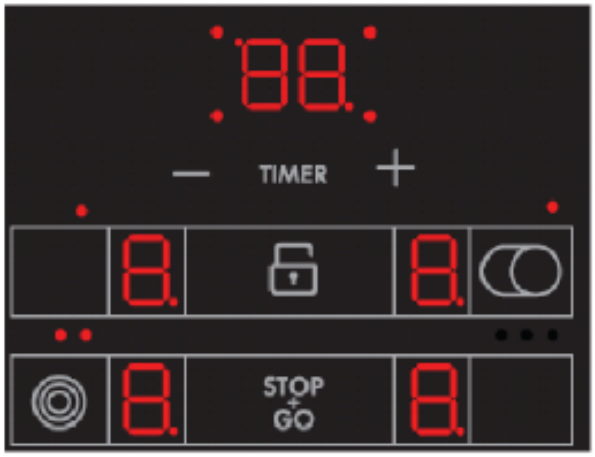
Auto end test routine/ procedure has to be prepared/ integrated for all hobs and variants

9. Functionality

9.1 Cooking levels

There are 14 (AEG) and 9 (other brands) cooking levels plus optional power function for induction available.





The 14 AEG levels are displayed in one 7 segment display like showed in the following table.

9.3 Auto switch off management (has to be checked)

If a cooking level is not changed for a certain time, the zone is switched off.

The switch off period depends on the selected cooking level and is defined as followed:

MACS level	Cooking level	14 step scale	Auto power off [hours]
1-11	1 - 2	1 - 2.	6
12-15	3 - 4	3 – 4.	5
16-17	5	5 – 5.	4
18-24	6 - P	6 -P	1,5

10. Adapter – Combination from previous range with new range

10.1 previous/old MEH hobs - MEH criss cross oven

Service Bulletin 599720823

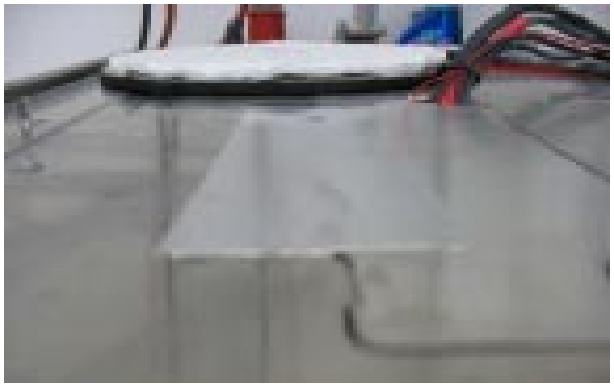
Electrolux Distriparts

Service-Bulletin

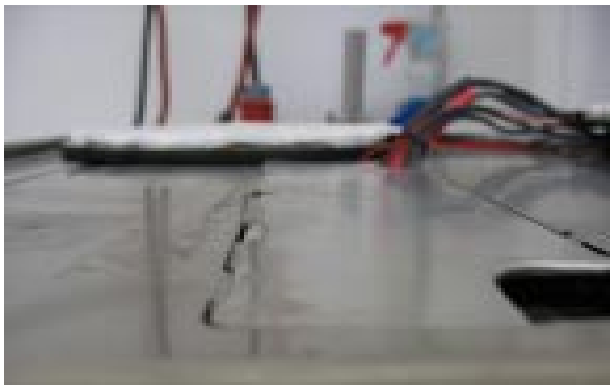
Cookers **599 525 778** **EN**

Induction hobs „G4“

Problem description: If you do not stick the transport safety adhesive on the coil connection cover after repairs, the high-frequency magnetic field can lead to a temperature rise in the coil area. The coil can be damaged by this. In order to eliminate this problem altogether, you should not reapply the transport-safety adhesive tape after repairs.



Transport safety adhesive tape before repair



Do not apply adhesive tape after repair

The figure shows improper adhesion which may lead to damage from overheating of the coil located on top.

Electrolux Distriparts

Service-Bulletin

Cookers **599 527 434 EN**

Fastening set for full induction

If the gap between countertop and hob is too large or differing or if the corners of the hob frame protrude, you can compensate this using the fastening sets spare part no. 319 409 802/0.

Electrolux
Distriparts

Service-Bulletin

Cooking appliances **599 528 416 EN**

Scorch locations with plug connections

Problem: Charred respectively burnt plugs/pin terminals with electronics and switches.

Reason: Due to faulty crimpings or expanded plugs arise scorch locations within the area of the line connection. When you leave the former plug in case of a service, e.g. when substituting a defective electronic, this fault will repeat again in most cases.

Problem removal: **In case of scorch and fire locations respectively within the area of plug connections you always have to replace the affected connectors.**
That means, cut the plug at the corresponding braid (cable) and connect a new plug.
Leave the former plug at the pin terminal and return it, if possible unchanged and packed in good condition, together with the defective spare part to the works in Rothenburg to the following address

AEG Hausgeraete GmbH
Abt.: DGT-QZ zu Hd. H. Leis
Bodelschwingstr. 1
DE-91541 Rothenbiurg ob der Tauber

The required pliers and the plug-in sleeves can be obtained as spare parts.

SP No.	Description
899 298 001 194/4	**AMP pliers**
407 139812/9	**Plug-in sleeve 4.8x0.8 St. nickelized 0.5-1.5mm²**
899 298 001 301/5	**Plug-in sleeve 6.3x0.8 St. nickelized 0.3-0.8mm²**
899 298 001 302/3	**Plug-in sleeve 6.3x0.8 St. nickelized 1.2-2.5mm²**

Electrolux Distriparts

SERVICE BULLETIN

NOT CONFIGURED ELECTRONIC BOARDS (Rev. 02)

In the sections:

- "Electrical equipment" in Washing machines, Washer-dryers, Dryers and Dishwashers spare part lists.
- "Diffuser" or "Cooling Unit" in Refrigeration appliances.

the "configured electronic board", identified by the first digits "973" of the spare part, is featured, where possible.

Also the "not configured electronic board" can be indicated in the same sections and with the same position.

The configuration of this board is possible only if you have the suitable equipment (software and hardware) for this type of activity and if you have taken part to the training.

It is still not possible to programme the not configured electronic boards in all Countries.

ATTENTION:
We will not accept returns of not configured electronic boards that have been wrongly ordered or that are damaged in some parts.

For any further question please contact your local Service Representative.

REVISIONS:

Revision	Date	Description
00	05/2008	Document creation
01	06/2008	Updated text
02	11/2008	Updated document for use in Refrigeration appliances

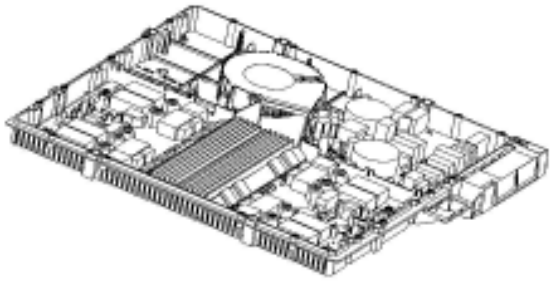
EN	Publication no.	**599 70 81-16**	Rev. 02	11/2008	PR

Electrolux
Distriparts

Service-Bulletin

Cookers **599 708 219 EN**

Autark induction hob with „G4“ induction module
Switching of the output on and off with the selected power mode



G4 induction module

Problem description:	The induction module switches the power on and off with the selected power mode (...“the cooking zone clocks“.). This mainly affects the cooking zones with diameters of 210 mm and 280 mm.
Problem remedy:	In case of a failure, the performance electronic must be replaced in accordance with the spare parts documentation.
Affected serial numbers:	735.... up to including 826....

11.07.2008

Affected appliances:

949 592 213	ZKT 851DX	949 592 662	EHD 60140P	949 592 871	68031 K-MN
949 592 215	GK58TCICN	949 592 663	EHD 60140P	949 592 872	QHC 8504X
949 592 235	ZKT 651DX	949 592 664	EHD 60120P	949 592 873	QHC 6504N
949 592 242	ZKT 641DBV	949 592 665	EHD 80160P	949 592 874	EHD 60150I
949 592 243	ZKT 651DBV	949 592 666	EHD 80160P	949 592 877	JHD 60150X
949 592 260	68070 M-MN	949 592 671	EHD 68200P	949 592 878	JHD 60150I
949 592 264	GK78HIO	949 592 672	EHD 68200P	949 592 879	JHD 80140X
949 592 325	68001 KF-AN	949 592 695	AHD 60140P	949 592 880	EHD 60150P
949 592 326	68001 KF-N	949 592 696	AHD 60140OW	949 592 881	EHD 60150X
949 592 327	68001 KF-N	949 592 697	AHD 60120P	949 592 882	EHD 60150P
949 592 328	68001 K-IN	949 592 698	AHD 60120OW	949 592 884	AHD 60150P
949 592 329	68001 K-MN	949 592 700	EHD 60140P	949 592 888	GK58TCICN
949 592 330	68101KF-AN	949 592 709	78001K-MN	949 592 889	GK58TCIO
949 592 331	68101K-MN	949 592 710	GK 624000IF	949 592 890	GK58TCIPCN
949 592 332	88101 KF-N	949 592 711	68072 M-MN	949 592 896	68072 MF-N
949 592 333	88101 K-MN	949 592 725	EHD 80160PX	949 592 908	JHD 80140P
949 592 375	88101 K-IN	949 592 727	EHD 68200PX	949 592 916	JHD 80140I
949 592 383	68001 K-MN	949 592 741	GK 583TCICN	949 592 919	JHD 68200X
949 592 399	DIK 2492-UR	949 592 742	GK 583TCIO	949 592 920	JHD 68200I
949 592 400	DIK 2491-UR	949 592 743	GK58TCICN	949 592 921	JHD 80160P
949 592 467	QHC 6501	949 592 744	GK58TCIO	949 592 922	JHD 80160I
949 592 468	QHC 8501	949 592 745	GK58TCIPCN	949 592 923	EHD80180P
949 592 470	QHC 6501	949 592 750	EHD 60120P	949 592 924	AHD60160P
949 592 472	QHC 8501	949 592 761	GK69HICN	949 592 925	EHD60160P
949 592 492	68001 K-MN	949 592 762	GK69HIO	949 592 926	EHD60160P
949 592 495	QHC 6501X	949 592 763	GK78HICN	949 592 932	JHD60160P
949 592 496	QHC 8501X	949 592 764	GK78HIO	949 592 933	JHD80180P
949 592 498	78001KF-MN	949 592 765	GK78TCIO	949 592 957	ZKS851DX
949 592 499	78001KF-N	949 592 766	GK78TCICN	949 592 958	ZKS651DBV
949 592 502	QHC 7505	949 592 768	78000 KF-MN	949 592 959	ZKS651DX
949 592 503	QHC 7505P	949 592 775	88001KF-N	949 592 976	JLBIIH804
949 592 505	DIK 2470-UR	949 592 780	DIK 2480-UR	949 592 977	QHC 6504P
949 592 506	DIK 2470-RF	949 592 781	DIK 2480-RF	949 592 978	QHC 6504X
949 592 507	DIK 2470-AL	949 592 782	88001K-IN	949 592 979	QHC 6504P
949 592 508	GK69TCICN	949 592 783	88001K-MN	949 592 990	AHD 60150OW
949 592 509	GK69TCIO	949 592 785	68000KF-N	949 592 991	AHD 60150S
949 592 510	78001KF-N	949 592 786	78000KF-N	949 592 994	68031SI
949 592 546	KF-E7423	949 592 787	78001KF-MN	949 593 003	PAI8000E
949 592 547	QHC 6503	949 592 788	78001K-IN	949 593 053	ZKM8510DX
949 592 548	EHD 6680P	949 592 790	68000 M-MN		
949 592 549	EHD 7680P	949 592 857	68031 KF-AN		
949 592 586	EHD 60120X	949 592 858	68031 KF-N		
949 592 591	EHD 60140I	949 592 859	68031 KF-N		
949 592 592	EHD 80160I	949 592 860	68031 K-IN		
949 592 593	EHD 80160P	949 592 861	68031 K-MN		
949 592 598	AHD 68200P	949 592 862	88031KF-N		
949 592 618	JHD 60140X	949 592 863	88031K-MN		
949 592 619	JHD 60140I	949 592 864	88031K-IN		
949 592 620	JHD 80160X	949 592 866	DIK 3480-UR		
949 592 622	JHD 68200P	949 592 867	DIK 3460-UR		
949 592 660	EHD 60140P	949 592 869	QHC 8504P		
949 592 661	EHD 60140X	949 592 870	QHC 8504P		

Electrolux
Distriparts

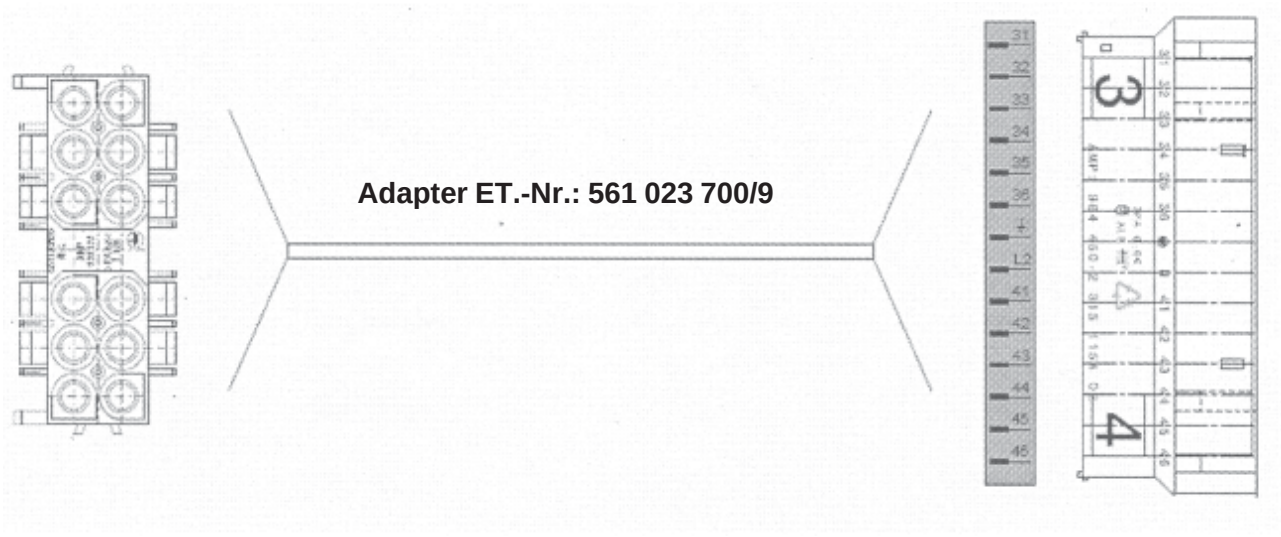
Service-Bulletin

Kochgeräte **599 720 823 DE**

Neue Anschlußstecker Einbauherd/ Einbaukochfeld
Adapterlösung für ältere Geräte mit Wrasenaustritt (MEH)

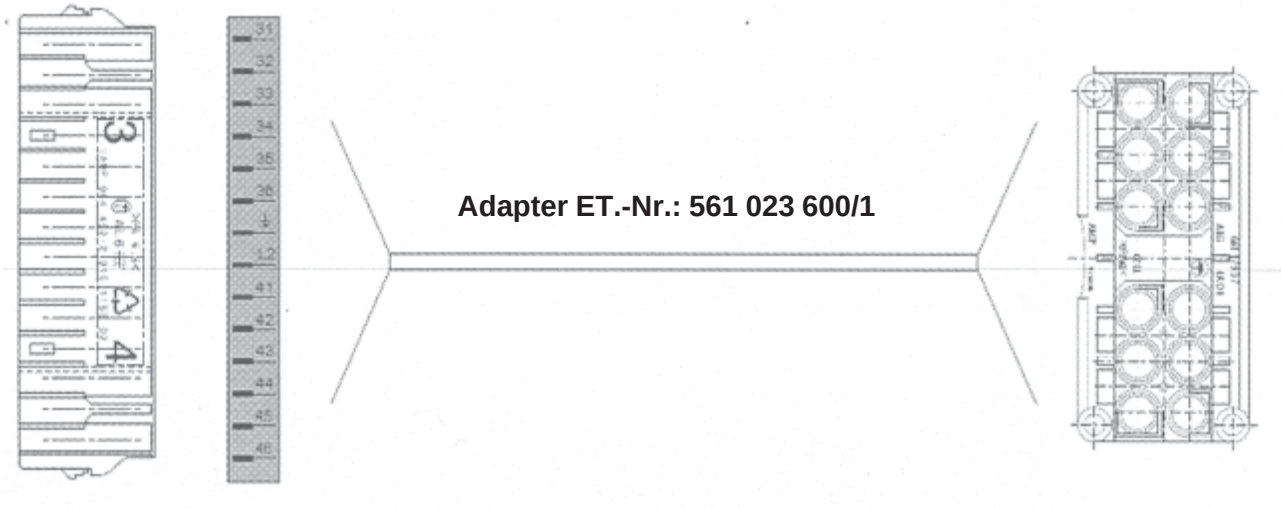
Anschlußstecker ältere Kochfelder
mit Strahlungsbeheizung

<u>Blauer</u> Anschlußstecker
neue Einbauherde Exxx -6/ -7



<u>Blauer</u> Anschlußstecker neue Kochfelder
mit Strahlungsbeheizung

Anschlußstecker ältere Einbauherde
Exxx -5



29.07.2009

Kenn-zeichen	Beschreibung	Description
a1	Schalter 7-Takt VL	switch 7-step front left
a2	Schalter 7-Takt HL	switch 7-step rear left
a3	Schalter 7-Takt HR	switch 7-step rear right
a4	Schalter 7-Takt VR	switch 7-step front right
a7	BO Schalter Hauptbratofen	Heating mode selector main oven
a7.1	BO Schalter Kleinbratofen	Heating mode selector top oven
a8	LTC(Niedrig Temp. Garen) Schalter	LTC(Low Temp. Cooking) switch
a15	Touchschalter elektron. Warmhalteplatte	touch electronic switch warming zone
a31	Energieregler VL	energy regulator front left
a32	Energieregler HL	energy regulator rear left
a33	Energieregler HR	energy regulator rear right
a34	Energieregler VR	energy regulator front right
a61	Touchschalter elektron. VL	touch electronic switch front left
a62	Touchschalter elektron. HL	touch electronic switch rear left
a73	Touchschalter elektron. HR	touch electronic switch rear right
a84	Touchschalter elektron. VR	touch electronic switch front right
A1	Ventil Abluft	actuator exhaust
A2	Ventil Entdampfen	actuator desteam
b3	Buchse Fleischthermometer	Socket meatprobe
BOF	BO Schalter Funktion	mode selector function
BOT	BO Schalter Temperatur	mode selector temperature
c4	Netzfilter	interference filter
D	MNL-Stiftgehäuse 1x12-polig	hob connector 12-pol.
DS	Türschalter	door switch
e1	Türverriegelung Pyro	Door lock pyro
e11	Verteilerplatine TE	Distributor plate pot detection
E	MNL-Stiftgehäuse 1x8-polig	hob connector 8-pol.
F	Stiftgehäuse 21 polig	hob connector 21pol
f1	Regler Temperatur Hauptbratofen	Main oven thermostat
f1.1	Regler Temperatur Kleinbratofen	Top oven thermostat
f2	Sicherheitstemperaturbegrenzer Hauptbratofen	safety temp. limiter main oven
f2.1	Sicherheitstemperaturbegrenzer Kleinbratofen	safety temp. limiter top oven
f5	Klixon Lüftemachlauf Bratofen	Thermostat cooling fan delay
f6	Klixon Lüfterschnellauf Pyro	Thermostat fast run cooling fan pyro
f7	Magnetronsensor	sensor to magnetron
f8	LTC(Niedrig Temp. Garen) Thermostat	LTC(Low Temp. Cooking) termostat
f11	Klixon Entriegelung Pyro	Thermostat unlock pyro
f12	Fremdbeheizter Klixon Lüftemachlauf	Thermostat cooling fan delay
f15	2. Sicherheitstemperaturbegrenzer Bratofen	2. safety temp. limiter oven
f16	Klixon Anzeige Übertemperatur	thermostat overheating warning
f19	Regler Temperatur Schublade	rack thermostat
f21	Sicherheitstemperaturbegrenzer Grill	saftey temp. limiter grill
f22	Sicherheitstemperaturbegrenzer Friteuse	saftey temp. limiter fryer
f31	Restwärmekontakt VL	residual contact front left
f32	Restwärmekontakt HL	residual contact rear left
f33	Restwärmekontakt HR	residual contact rear right
f34	Restwärmekontakt VR	residual contact front right
G5	Magnetron	magnetron
h1	Glimmleuchte Betrieb Hauptbratofen	lamp working main oven
h1.1	Glimmleuchte Betrieb Kleinbratofen	lamp working top oven
h1.4	Glimmleuchte Betrieb Kochzone VL	lamp working hot plate front left
h1.5	Glimmleuchte Betrieb Kochzone HL	lamp working hot plate rear left
h1.6	Glimmleuchte Betrieb Kochzone HR	lamp working hot plate rear right
h1.7	Glimmleuchte Betrieb Kochzone VR	lamp working hot plate front right
h3	Glimmleuchte Temperaturreglung Hauptbratofen	lamp heating main oven
h3.1	Glimmleuchte Temperaturreglung Kleinbratofen	lamp heating top oven
h4	Bratofenlampe Hauptbratofen	oven lamp main oven
h4.1	Bratofenlampe seitlich Hauptbratofen	oven lamp side main oven
h4.6	Halogenlampe	lamp halogen
h5	Bratofenlampe Kleinbratofen	oven lamp top oven
h5.1	Bratofenlampe seitlich Kleinbratofen	oven lamp side top oven
h7	Fleischtemperaturanzeige	meatprobe display
h9	Anzeigeleuchte Übertemperatur	lamp overheating
h10	Analoguhr	analog timer
h11	Elektronikuhr	electronic timer
h12	6-Tasten Elektronikuhr	6-push electronic timer
h20	timer Vorwahl VR/HR Mulde	timer primary code hob
h30	Restwärmeanzeige	residual lamp
h40	Anzeigeplatine	display board
h52	Anzeige Herd	display oven
K	Kupplung	clutch
k1	LTC(Niedrig Temp. Garen) Relais	LTC(Low Temp. Cooking) relay
KS	Schalter Kindersicherung	switch child safety
KS1	Kochplattensteller VL	rotary hot plate front left
KS2	Kochplattensteller HL	rotary hot plate rear left
KS3	Kochplattensteller HR	rotary hot plate rear right
KS4	Kochplattensteller VR	rotary hot plate front right

Kenn-zeichen	Beschreibung	Description
M1	Muldenanschlußgehäuse 14-polig 1+2	hob connector 14-pol. 1+2
M2	Muldenanschlußgehäuse 14-polig 3+4	hob connector 14-pol. 3+4
m1	Lüfter Heißluftgebläse	fan hot air
m2	Querstromlüfter Bratofen	fan cooling
m3	Trafo Halogenlampe	transformer halogen lamp
m4	Trafo für Uhr	transformer timer
m5	Trafo Elektronik	transformer electronic
m6	Stirrer Motor	motor stirrer
m8	Hochspannungstransformator	transformer high voltage
m12	Grillmotor	turnspit motor
m20	Kühlgebläse, L3	cooling fan, L3
N1	Elektronikplatine Leistung	electronic powerboard
N2	Induktionsmodul	modul of induction
N3	Elektronikplatine Rhea	electronic board Rhea
N4	Steckerplatine	connector board
PE3	Erdungsstützpunkt Frontrahmen links	ground point front frame left
PE4	Erdungsstützpunkt Frontrahmen rechts	ground point front frame right
PE/1b	Erdungsstützpunkt Komponentenplatte	ground point component plate
Q1	Schnellaufheizen Kleinbratofen	quick start module top oven
r6	Oberhitze/Grill Kombination	top heating/grill combination
r7	Oberhitze Hauptbratofen	main oven top heating element
r7.1	Oberhitze Kleinbratofen	top oven top heating element
r8	Unterhitze Hauptbratofen	main oven bottom heating element
r8.1	Unterhitze Kleinbratofen	top oven bottom heating element
r12	Limiter Lüftemachlauf	thermal switch
r14	Grill Hauptbratofen	main oven grill heating element
r14.1	Grill Kleinbratofen	top oven grill heating element
r15	Warmhalteplatte	warming zone
r16	Ringheizkörper	rear
r19	Heizkörper Schublade	rack heating
r20	Vorwiderstand Kühlgebläse	preresistor cooling fan
r21	Heizkörper Grill	heater grill
r22	Heizkörper Friteuse	heater fryer
r27	Vorwiderstand BO-Lampe	preresistor oven lamp
r27.1	Vorwiderstand BO-Lampe seitlich	preresistor oven lamp side
r31	Kochplatte VL	cooking plate front left
r32	Kochplatte HL	cooking plate rear left
r33	Kochplatte HR	cooking plate rear right
r34	Kochplatte VR	cooking plate front right
r35	Kochplatte mitte	cooking plate middle
s1	Sensor TE VL	sensor pot detection front left
s2	Sensor TE HL	sensor pot detection rear left
s3	Sensor TE HR	sensor pot detection rear right
s4	Sensor TE VR	sensor pot detection front right
s11	Mikroschalter Umschaltung Gas/Elektro	micro switch gas to electro
s12	Mikroschalter Umschaltung Grill/Friteuse	micro switch grill to fryer
s13	Mikroschalter Buchse Grill	micro switch grill socket
s14	Mikroschalter Sensor	micro switch sensor
s19	Schalter für Schublade	rack switch
s21	Sensor Grill	sensor grill
s22	Sensor Friteuse	sensor fryer
TR	Teleskopschalter	telescopic runner switch
X1	Netzanschluss/klemme	main terminal
X10	Stiftdoppelwanne 6-polig	tandem pin shells 6-pol.
X11	Stiftdoppelwanne 8-polig	tandem pin shells 8-pol.
x20	Steckerleiste, L3	frame connector, L3

[2] CRITICAL DIMENSIONS WHICH MUST BE UNDER CAPABILITY

SAFETY RISKS

; VISIBLE SURFACES

DRAFT ANGLES (NOT SHOWN): 00°00'00"

THEORETICAL FLAT AREA -

DEVELOPED FLAT AREA -

GENERAL TOLERANCES

ANGLES : ±°

LENGTHS IN DIAMETERS

≤3 mm : ±..

3 - 18 mm : ±..

>18 mm : ±..

A4

X1/ 1

X1/ 2

X1/ 3

N2

Induktionsmodul
induction module

Filterplatine
filter board

X2 X1 X14

3pol

Bedienplatine rechts
user interface right

10pol

Bedienplatine links
user interface left

X12 X9 X10 X13 X8 X7 X11 X4 X5 PE X17

Leistungsplatine / power board links / left

X10 X2 X1

Leistungsplatine / power board rechts / right

X10 X1 X2

M

X7 X9 X4 X8 X6 X5 X6 X8 X5 X9 X7 X4

R L R L R L R L

Spulenträger / coil carrier

see respective wiring diagram hob cpl.
siehe entprechenden Verdrahtungsplan Mulde komplett

X1/ 4

X1/ 5

X1/ PE

Lüfter
fan

Filterplatine
filter board

Leistungsplatine
power board
links
left

Leistungsplatine
power board
rechts
right

A	first edition	Weiß	DGT 26149	2005-03-21
ZUST	MODIFICATIONS	SIGNATURE	REQUEST	DATE

DESIGN OWNER	DRN	CHD	DATE	DESIGN USERS	EUROPEAN METHOD
DGT	DGR-PE_PD	Weiß	2005-03-21		
		APPR Weiß			

Electrolux

TITLE circuit diagram induction G4 (split)

TITEL Schaltplan Induktion G4 (split)

NUMBER 387 0608 SHEET 01(01) REV A