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Built-in hobs

**CRYSTAL MODULE
GENERAL RANGE**

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1 - INTRODUCTION

1.1 - PURPOSE OF THIS MANUAL

The purpose of this Manual is to provide general information of Crystal Modules Built-in hobs range.

2 - GENERAL INFORMATION

2.1 - VARIATIONS OF RANGE

CRYSTAL MODULE AEG RANGE

PNC 941560803
RADIANT



Fig. 1

PNC 941560804
INDUCTION



Fig. 2

PNC 941560805
INDUCTION PAELLA



Fig. 3

PNC 941560806
INDUCTION WOK

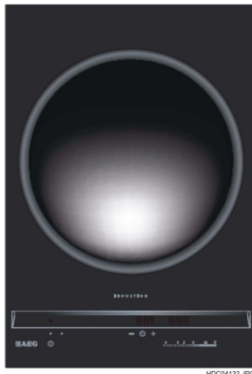


Fig. 4

PNC 941560807
INDUCTION TEPPAN YAKI



Fig. 5

PNC 941560808
INDUCTION TEPPAN YAKI



Fig. 6

PNC 941560809
GAS WOK



Fig. 7

PNC 941560810
GAS 2 BURNER

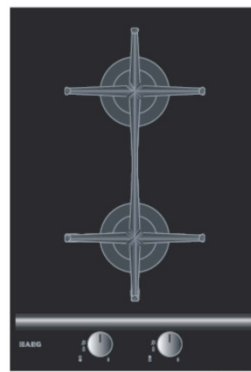


Fig. 8

CRYSTAL MODULE PROFILINE ELECTROLUX RANGE

PNC 941560811
RADIANT



Fig. 9

PNC 941560812
INDUCTION

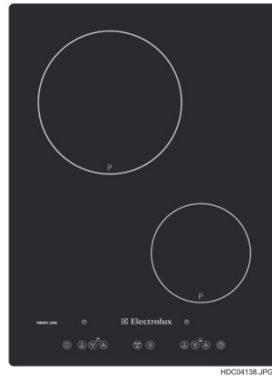


Fig. 10

PNC 941560813
INDUCTION WOK

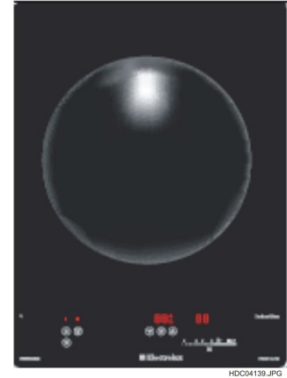


Fig. 11

PNC 941560814
INDUCTION TEPPAN YAKI



Fig. 12

PNC 941560815
INDUCTION TEPPAN YAKI



Fig. 13

2.2 - RADIANT MODELS

In these models, heat for cooking is via electric radiant plates controlled through a user interface board which controls the power board HOC2010 both included in the standard interface box.

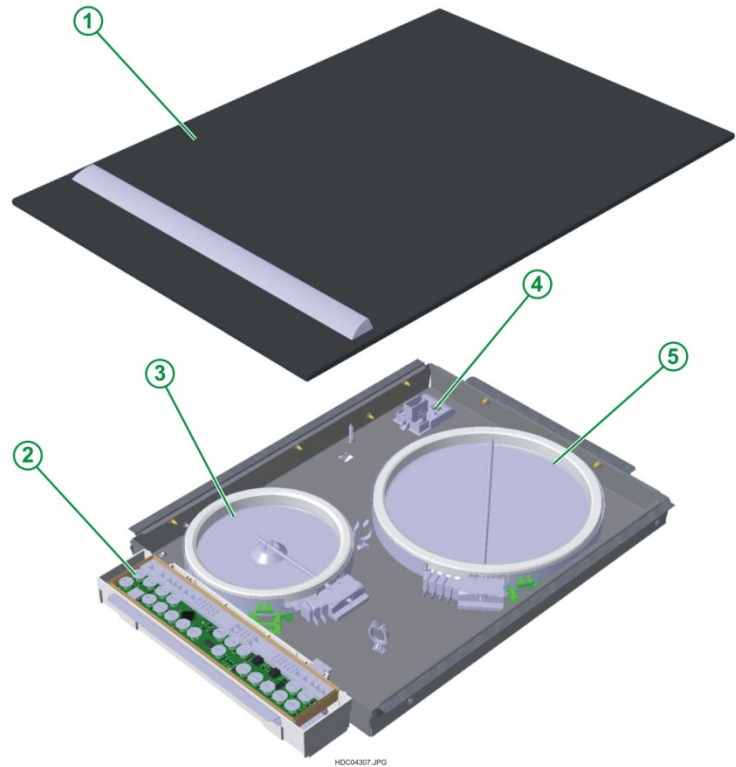


Fig. 14

- 1 - GLASSCERAMIC ASSEMBLY
- 2 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN AND POWER BOARD HOC2010
- 3 - FRONT ELECTRIC RADIANT PLATE (NORMAL)
- 4 - ELECTRICAL CONNECTION BOX
- 5 - REAR ELECTRIC RADIANT PLATE (WITH TRIPLE CIRCUIT)

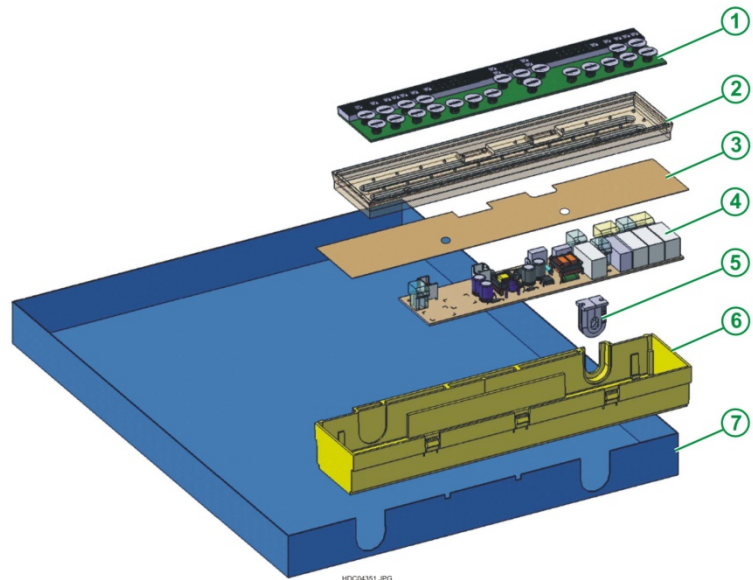


Fig. 15

- 1 - TOUCAN USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - POWER BOARD HOC2010
- 5 - CABLE CLAMP
- 6 - STANDARD INTERFACE BOX
- 7 - BOX MOUNT COMPONENTS

2.2.1 - ELECTRIC RADIANT PLATE NORMAL

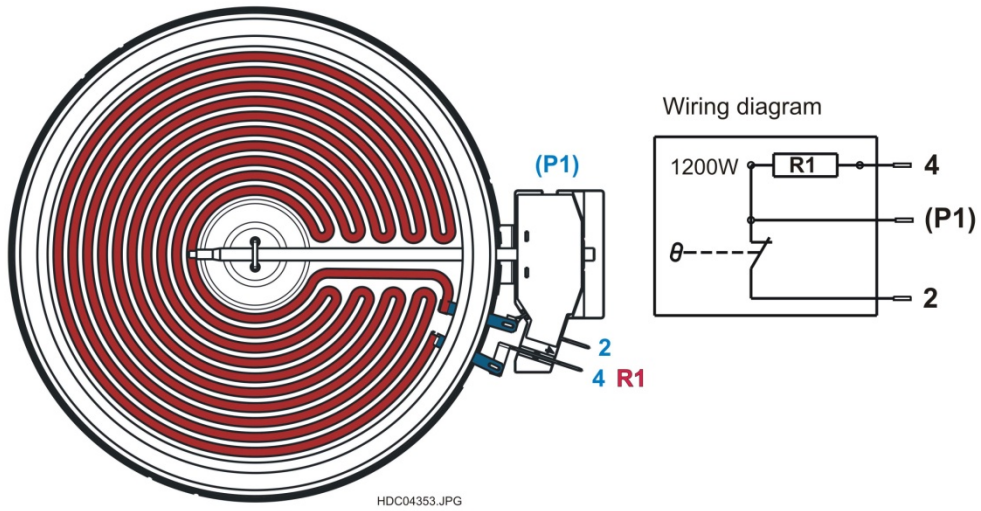


Fig. 16

2.2.2 - ELECTRIC RADIANT PLATE NORMAL WITH TRIPLE CIRCUIT

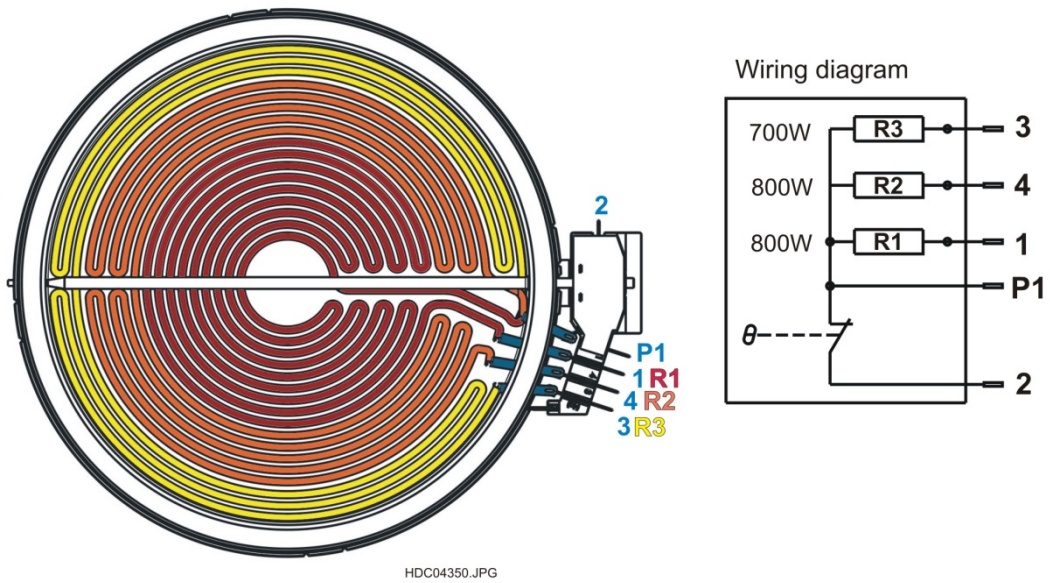
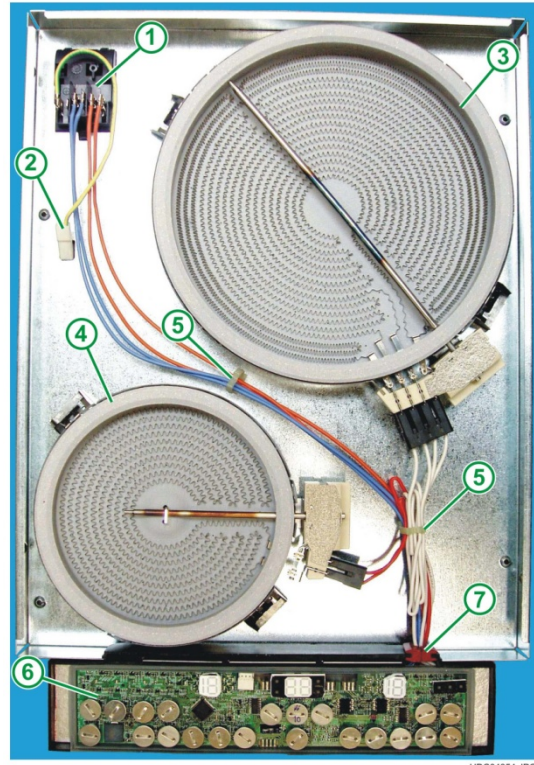


Fig. 17

2.2.3 - POSITION OF COMPONENTS

Fig. 18

- 1 - ELECTRICAL CONNECTION BOX
- 2 - GROUND CONNECTION
- 3 - REAR ELECTRIC RADIANT PLATE (WITH TRIPLE CIRCUIT)
- 4 - FRONT ELECTRIC RADIANT PLATE (NORMAL)
- 5 - CABLE CLAMP
- 6 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN AND POWER BOARD HOC2010
- 7 - CABLE CLAMP



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2.2.4 - CONTROLS OF RADAINT MODELS

PNC 941560803
AEG

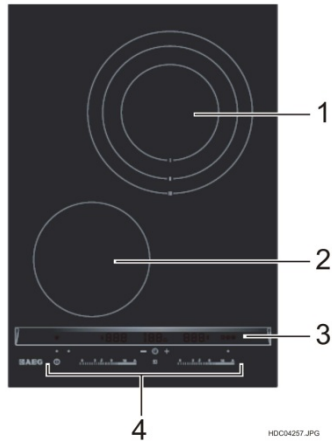


Fig. 19

1 - REAR RADIANT COOKING ZONE WITH THREE AREAS

● = Ø 120 mm 800W

● = Ø 175 mm 1600W

● = Ø 210 mm 2300W

2 - FRONT RADIANT COOKING ZONE Ø 145 mm 1200W

3 - DISPLAY ZONE

4 - TOUCH CONTROL ZONE

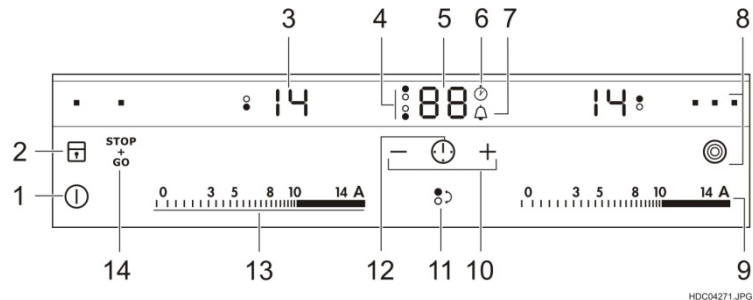


Fig. 20

	SENSOR FIELD	FUNCTION
1	⏻	It activates and deactivates the appliance.
2	🔒	It locks/unlocks the control panel.
3	A heat setting display	It shows the heat setting.
4	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
5	The timer display	It shows the time in minutes.
6	🕒	It shows that the Count Up Timer function operates.
7	🔔	It shows that the Minute minder / the Count Down Timer function operates.
8	🌀	It activates and deactivates the outer rings.
9	A	It activates the Automatic Heat Up Function
10	+ / -	It increases or decreases the time.
11	🔴	It sets the cooking zone.
12	🕒	It sets the Timer function.
13	A control bar	To set the heat setting.
14	STOP+GO	It activates and deactivates the STOP+GO function.

DISPLAY	DESCRIPTION
0	The cooking zone is off
1 - 14	The cooking zone operates
W	Keep Warm / ^{STOP} GO function is on
A	The automatic heat-up function is on
E + digit	There is a malfunction (*)
- / = / -	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
L	Lock / Child safety function is on
-	The automatic switch off is on

(*) See Service Manual 599729904.

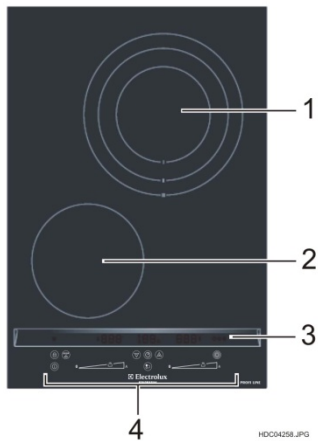


Fig. 21

1 - REAR RADIANT COOKING ZONE WITH THREE AREAS

● = Ø 120 mm 800W

● = Ø 175 mm 1600W

● = Ø 210 mm 2300W

2 - FRONT RADIANT COOKING ZONE Ø 145 mm 1200W

3 - DISPLAY ZONE

4 - TOUCH CONTROL ZONE

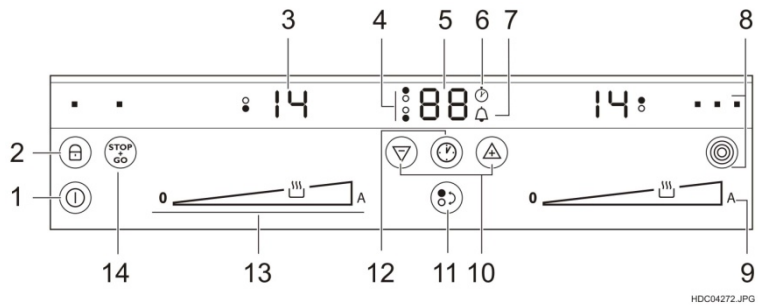


Fig. 22

	SENSOR FIELD	FUNCTION
1	⏻	It activates and deactivates the appliance.
2	🔒	It locks/unlocks the control panel.
3	A heat setting display	It shows the heat setting.
4	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
5	The timer display	It shows the time in minutes.
6	🕒	It shows that the Count Up Timer function operates.
7	🔔	It shows that the Minute minder / the Count Down Timer function operates.
8	🌀	It activates and deactivates the outer rings.
9	A	It activates the Automatic Heat Up Function
10	⬇️/⬆️	It increases or decreases the time.
11	👤	It sets the cooking zone.
12	🕒	It sets the Timer function.
13	A control bar	To set the heat setting.
14	STOP GO	It activates and deactivates the STOP+GO function.

DISPLAY	DESCRIPTION
0	The cooking zone is off
1 - 14	The cooking zone operates
W	Keep Warm / ^{STOP} GO function is on
A	The automatic heat-up function is on
E + digit	There is a malfunction (*)
- / = / -	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
L	Lock / Child safety function is on
-	The automatic switch off is on

(*) See Service Manual 599729904.

For more information see also Service Manual 599729904.

2.3 - INDUCTION MODELS

In these models, heat for cooking is induced by magnetic induction into the pot generated by coils placed under the glass ceramic top, controlled through a user interface board which controls the power board Tiger.

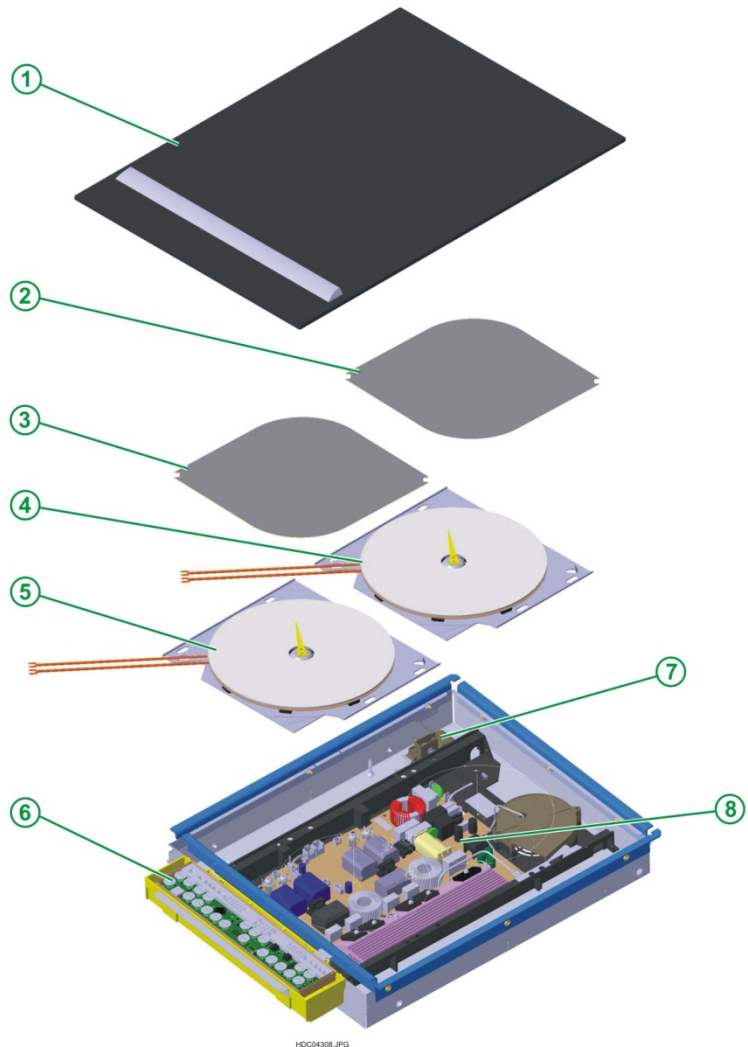


Fig. 23

- 1 - GLASSCERAMIC ASSEMBLY
- 2 - REAR INSULATION SHEET
- 3 - FRONT INSULATION SHEET
- 4 - REAR INDUCTION COIL ASSEMBLY
- 5 - FRONT INDUCTION COIL ASSEMBLY
- 6 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TUCAN
- 7 - ELECTRICAL CONNECTION BOX
- 8 - POWER BOARD TIGER

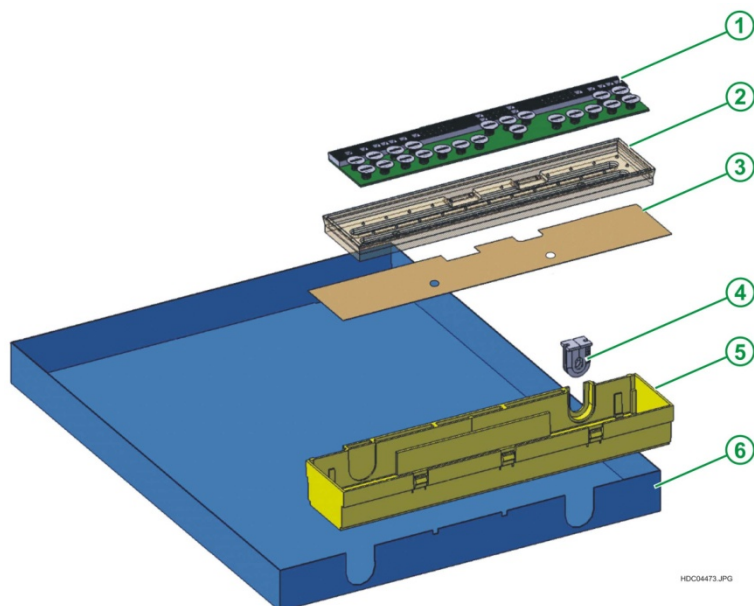


Fig. 24

- 1 - TOUCAN USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - CABLE CLAMP
- 5 - STANDARD INTERFACE BOX
- 6 - BOX MOUNT COMPONENTS

2.3.1 - POSITION OF COMPONENTS

2.3.1.1 - POSITION OF COMPONENTS FOR MODELS WITH 2 OVAL ZONE (E.G. PNC 941560804)

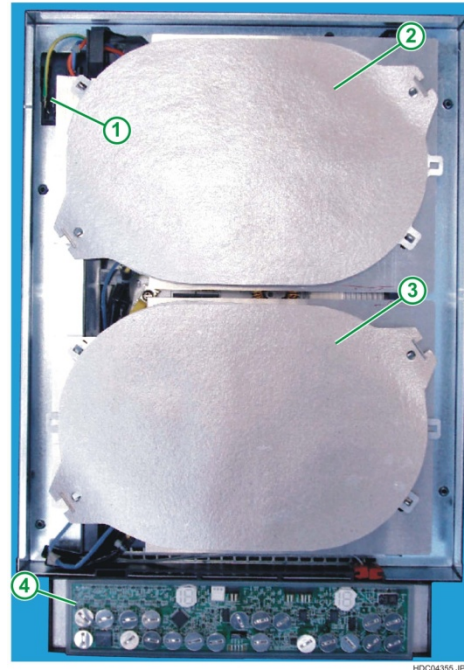


Fig. 25

- 1 - ELECTRICAL CONNECTION BOX
- 2 - INDUCTION COIL REAR
- 3 - INDUCTION COIL FRONT
- 4 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN

2.3.1.2 - POSITION OF COMPONENTS FOR MODELS WITH 2 NORMAL ZONE (E.G. PNC 941560812)

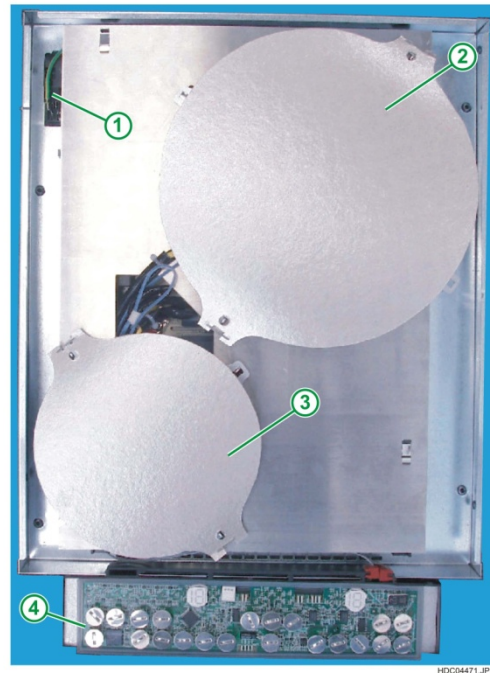


Fig. 26

- 1 - ELECTRICAL CONNECTION BOX
- 2 - INDUCTION COIL REAR (\varnothing 210 mm)
- 3 - INDUCTION COIL FRONT (\varnothing 145 mm)
- 4 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN

2.3.1.3 - POSITION OF COMPONENTS FOR MODELS WITH PAELLA ZONE (E.G. PNC 941560805)

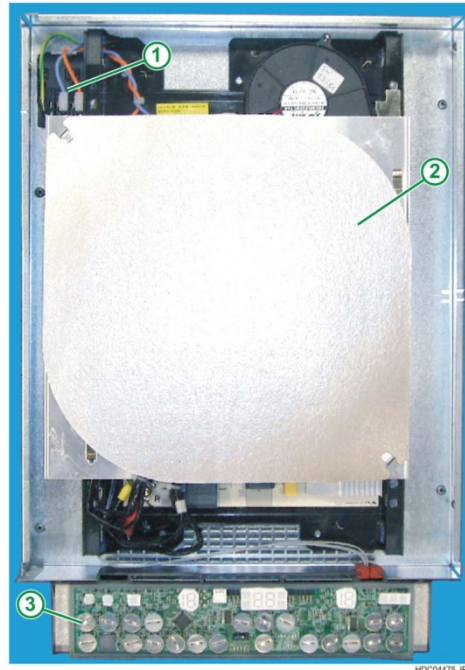


Fig. 27

- 1 - ELECTRICAL CONNECTION BOX
- 2 - INDUCTION COIL DOUBLE (\varnothing 180 mm + \varnothing 210 mm)
- 4 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN

2.3.2 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION

Refit the induction coils is necessary to observe the correct position of the coil with reference to the marks shown in the following chapters.

2.3.2.1 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION FOR MODELS WITH 2 OVAL ZONE (E.G. PNC 941560804)

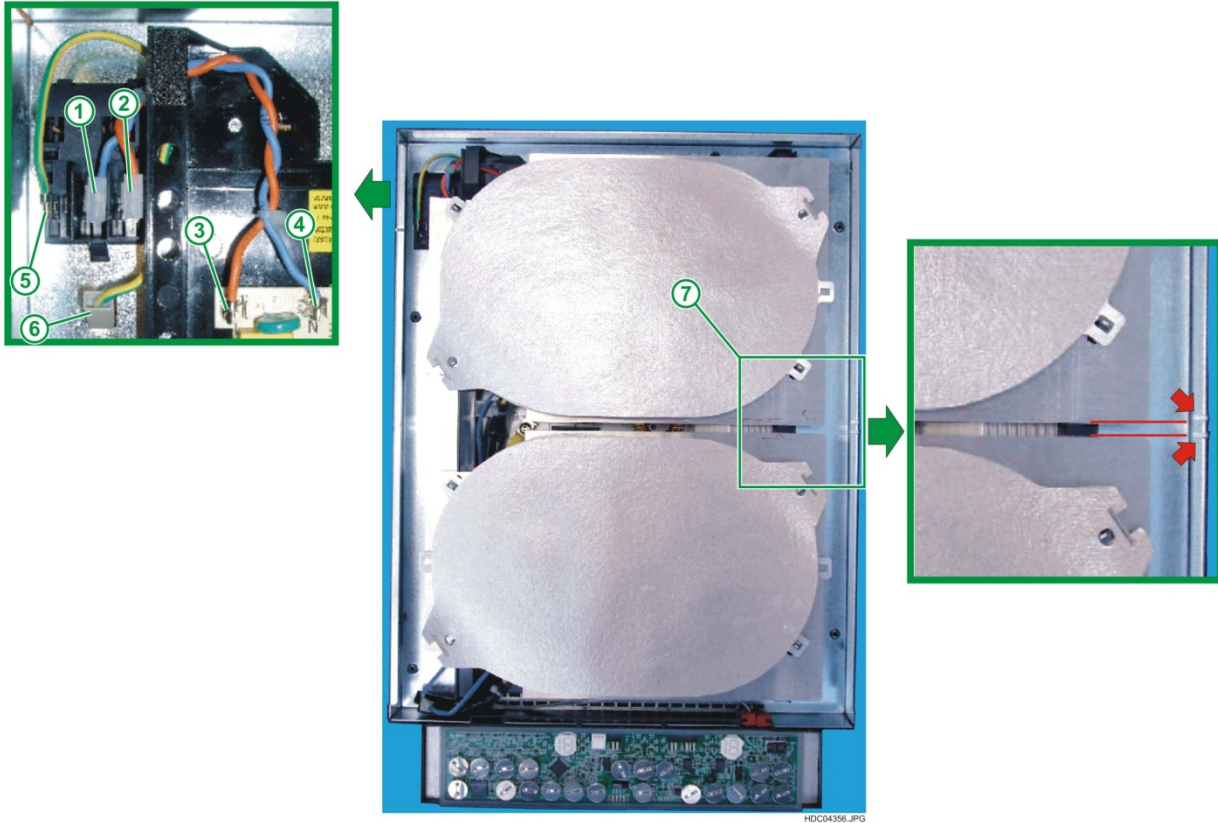
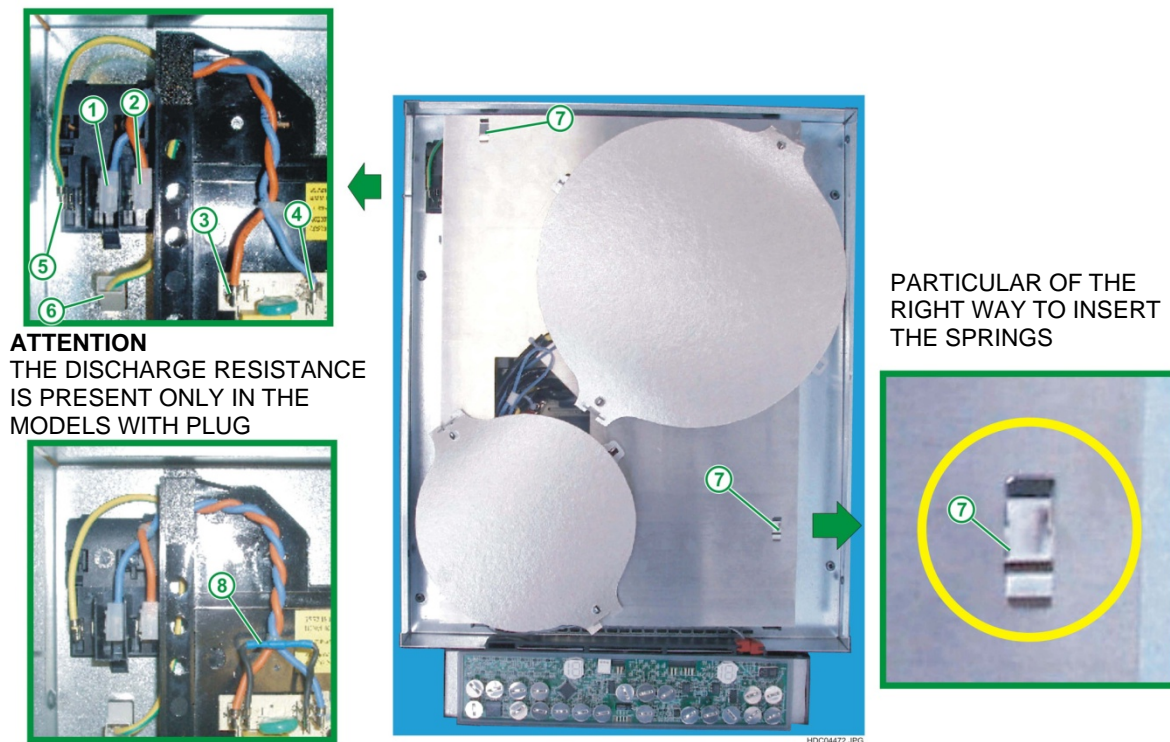


Fig. 28

- | | |
|--|--|
| 1 - NEUTRAL CONNECTION TO THE
TERMINAL | 5 - EARTH CONNECTION TO THE TERMINAL |
| 2 - PHASE CONNECTION TO THE TERMINAL | 6 - EARTH CONNECTION TO THE POWER
BOARD SUPPORT |
| 3 - PHASE CONNECTION TO THE POWER
BOARD | 7 - REFERENCE TO MARKS FOR PROPER
POSITION OF COILS |
| 4 - NEUTRAL CONNECTION TO THE POWER
BOARD | |

2.3.2.2 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION FOR MODELS WITH 2 NORMAL ZONE (E.G. PNC 941560812)



ATTENTION
THE DISCHARGE RESISTANCE IS PRESENT ONLY IN THE MODELS WITH PLUG

Fig. 29

- | | |
|--|--|
| <ul style="list-style-type: none"> 1 - NEUTRAL CONNECTION TO THE TERMINAL 2 - PHASE CONNECTION TO THE TERMINAL 3 - PHASE CONNECTION TO THE POWER BOARD 4 - NEUTRAL CONNECTION TO THE POWER BOARD | <ul style="list-style-type: none"> 5 - EARTH CONNECTION TO THE TERMINAL 6 - EARTH CONNECTION TO THE POWER BOARD SUPPORT 7 - SPRING FIXING OF INDUCTION COILS SUPPORT 8 - DISCHARGE RESISTANCE FOR THE MODELS WITH PLUG |
|--|--|

2.3.2.3 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION FOR MODELS WITH PAELLA ZONE (E.G. PNC 941560805)

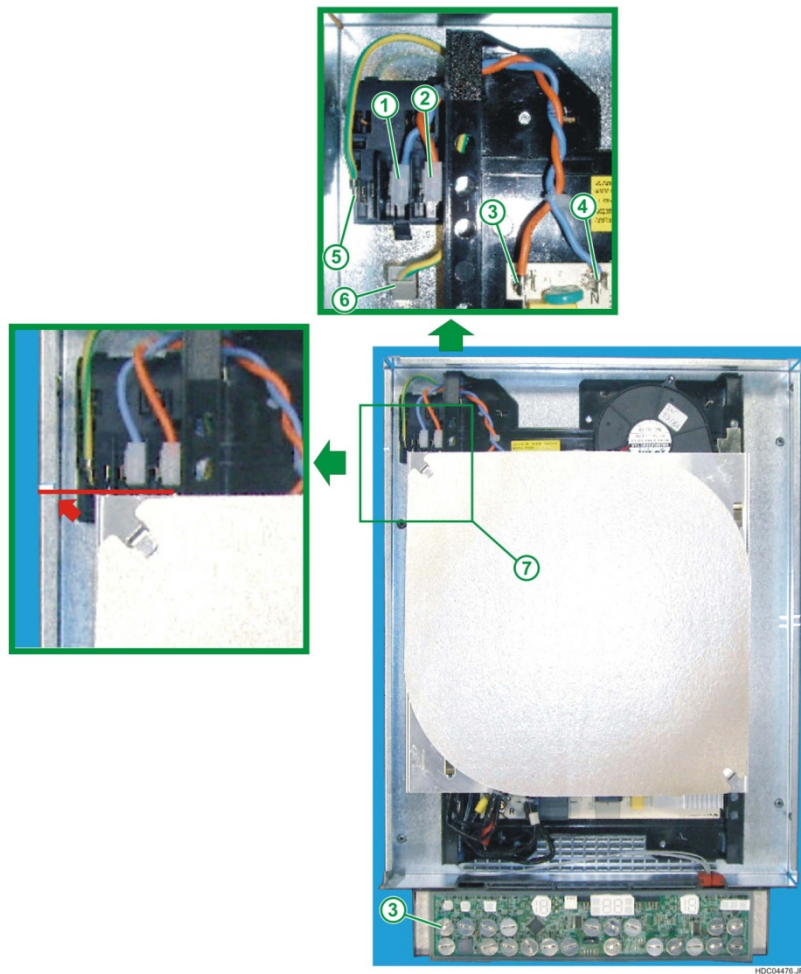


Fig. 30

- 1 - NEUTRAL CONNECTION TO THE TERMINAL
- 2 - PHASE CONNECTION TO THE TERMINAL
- 3 - PHASE CONNECTION TO THE POWER BOARD
- 4 - NEUTRAL CONNECTION TO THE POWER BOARD

- 5 - EARTH CONNECTION TO THE TERMINAL
- 6 - EARTH CONNECTION TO THE POWER BOARD SUPPORT
- 7 - REFERENCE TO MARK FOR PROPER POSITION OF COIL

2.3.3 - CONTROLS OF INDUCTION MODELS

PNC 941560804
AEG

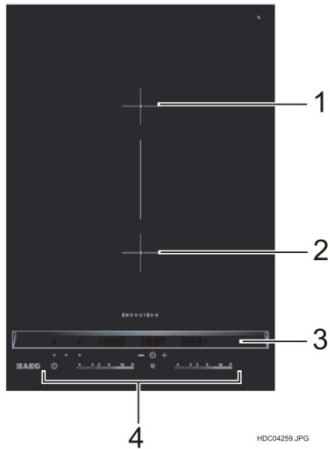


Fig. 31

- 1 - REAR OVAL INDUCTION COOKING ZONE
(\bigcirc 170-260 mm) 2800W WITH POWER FUNCTION 3200W
- 2 - FRONT OVAL INDUCTION COOKING ZONE
(\bigcirc 170-260 mm) 2800W WITH POWER FUNCTION 3200W
- 3 - DISPLAY ZONE
- 4 - TOUCH CONTROL ZONE

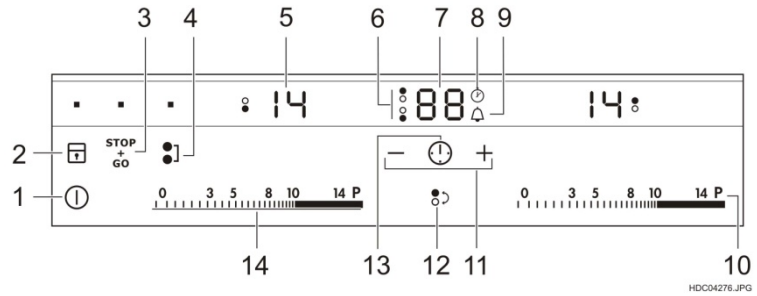


Fig. 32

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It activates and deactivates the STOP+GO function.
4		It activates and deactivates the Bridge function
5	A heat setting display	It shows the heat setting.
6	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
7	The timer display	It shows the time in minutes.
8		It shows that the Count Up Timer function operates.
9		It shows that the Minute minder / the Count Down Timer function operates.
10		It activates the Power Function
11		It increases or decreases the time.
12		It sets the cooking zone.
13		It sets the Timer function.
14	A control bar	To set the heat setting.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	Keep Warm / ^{STOP} GO function is on
	The automatic heat-up function is on
+ digit	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	Cookware unsuitable or too small or no cookware on the cooking zone
	The automatic switch off is on

(*) See Service Manual 599729030.

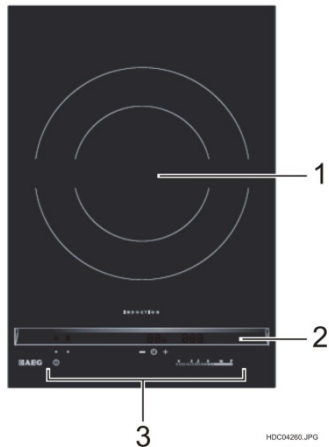


Fig. 33

- 1 - INDUCTION COOKING ZONE DOUBLE:
 - INSIDE SECTION (Ø 180 mm)
 1800W WITH POWER FUNCTION 2800W
 - FULL ZONE (Ø 280 mm)
 3500W WITH POWER FUNCTION 3700W
 2 - DISPLAY ZONE
 3 - TOUCH CONTROL ZONE

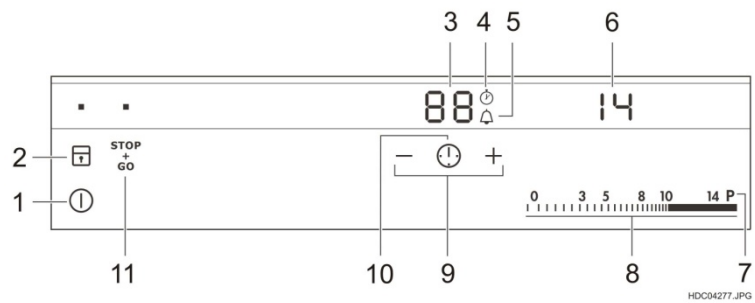


Fig. 34

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3	The timer display	It shows the time in minutes.
4		It shows that the Count Up Timer function operates.
5		It shows that the Minute minder / the Count Down Timer function operates.
6	A heat setting display	It shows the heat setting.
7	P	It activates the Power Function
8	A control bar	To set the heat setting.
9	+ / -	It increases or decreases the time.
10		It sets the Timer function.
11	STOP+GO	It activates and deactivates the STOP+GO function.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	Keep Warm / ^{STOP} GO function is on
	The automatic heat-up function is on
+ digit	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	Cookware unsuitable or too small or no cookware on the cooking zone
	The automatic switch off is on

(*) See Service Manual 599729030.

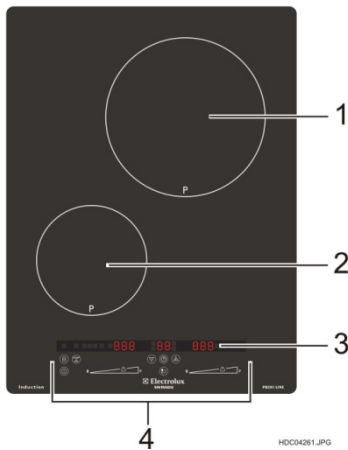


Fig. 35

- 1 - REAR INDUCTION COOKING ZONE (Ø 210 mm) 2300W WITH POWER FUNCTION 3700W
- 2 - FRONT INDUCTION COOKING ZONE (Ø 145 mm) 1400W WITH POWER FUNCTION 1800W
- 3 - DISPLAY ZONE
- 4 - TOUCH CONTROL ZONE

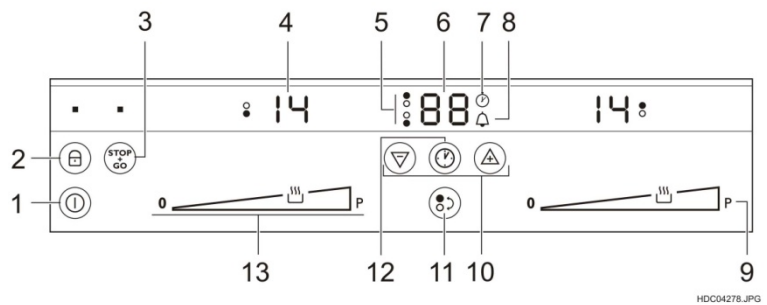


Fig. 36

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It activates and deactivates the STOP+GO function.
4	A heat setting display	It shows the heat setting.
5	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
6	The timer display	It shows the time in minutes.
7		It shows that the Count Up Timer function operates.
8		It shows that the Minute minder / the Count Down Timer function operates.
9	P	It activates the Power Function
10		It increases or decreases the time.
11		It sets the cooking zone.
12		It sets the Timer function.
13	A control bar	To set the heat setting.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	Keep Warm / ^{STOP} GO function is on
	The automatic heat-up function is on
	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	Cookware unsuitable or too small or no cookware on the cooking zone
	The automatic switch off is on

(*) See Service Manual 599729030.

For more information see also Service Manual 599729030 (Troubleshooting).

2.4 - INDUCTION WOK MODELS

In these models, heat for cooking is induced by magnetic induction into the pot, generated by a special coil placed under the glass ceramic top properly constructed to use a wok pan. This coil is controlled through a user interface board which controls the power board Tiger.

Fig. 37

- 1 - GLASSCERAMIC ASSEMBLY FOR WOK
- 2 - SPECIAL INDUCTION COIL ASSEMBLY FOR WOK
- 3 - EMC SHIELD SHEET
- 4 - COIL ASSEMBLY SUPPORT WITH SPINGS
- 5 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN
- 6 - ELECTRICAL CONNECTION BOX
- 7 - POWER BOARD TIGER

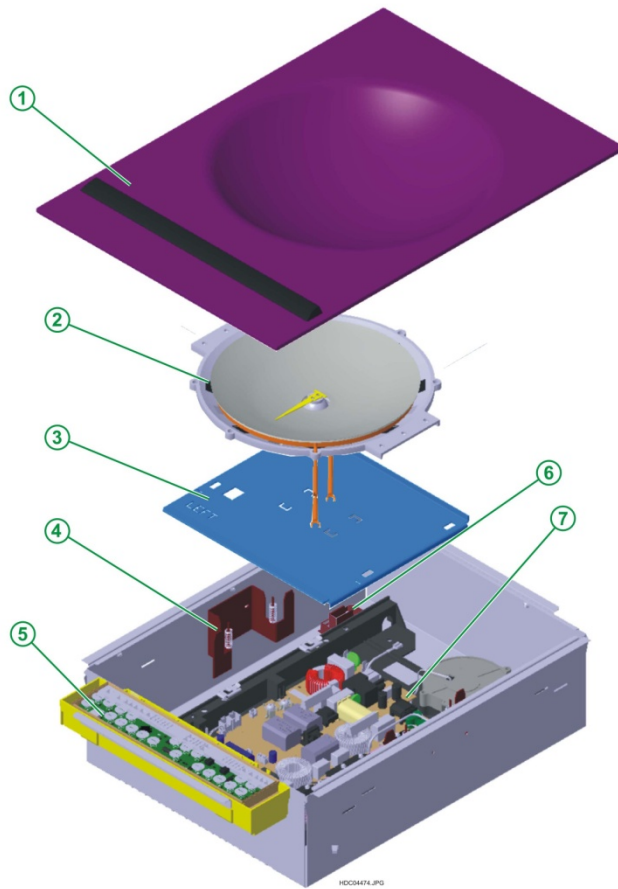
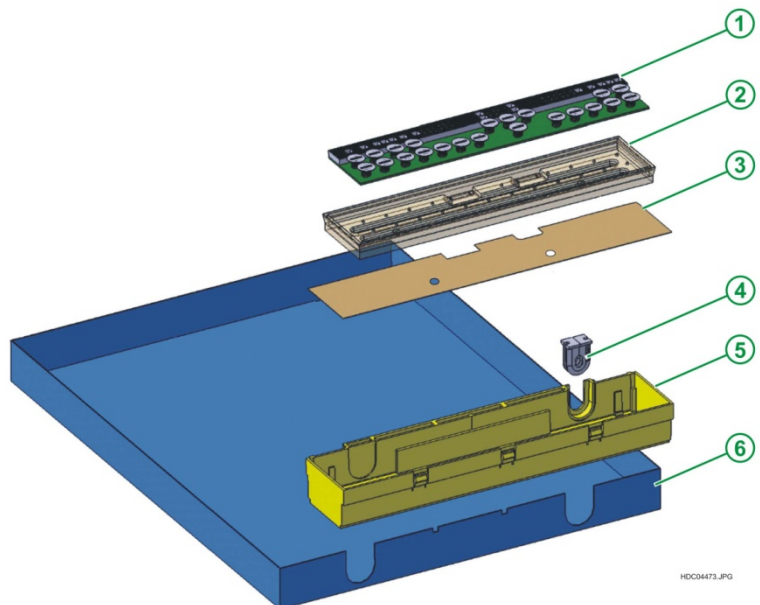


Fig. 38

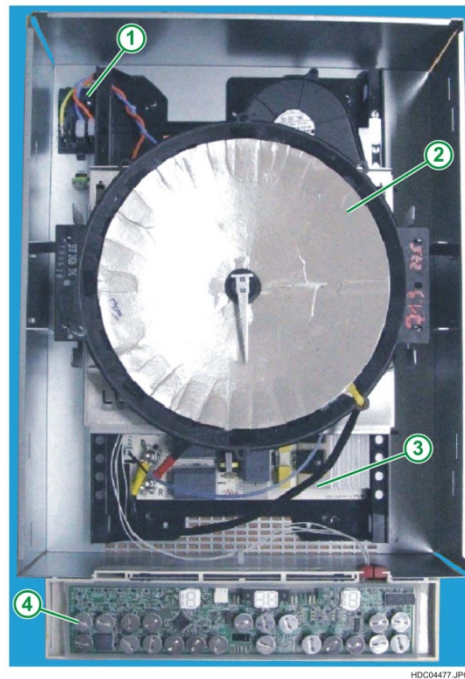
- 1 - TOUCAN USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - CABLE CLAMP
- 5 - STANDARD INTERFACE BOX
- 6 - BOX MOUNT COMPONENTS



2.4.1 - POSITION OF COMPONENTS FOR MODELS WITH WOK ZONE

Fig. 39

- 1 - ELECTRICAL CONNECTION BOX
- 2 - SPECIAL INDUCTION COIL WOK
- 3 - POWER BOARD INDUCTION TIGER
- 4 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN



2.4.2 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION FOR MODELS WITH WOK ZONE

In the Induction Wok models the correct position of the coil is maintained by the dedicated mounting brackets with springs (see Figure 37).

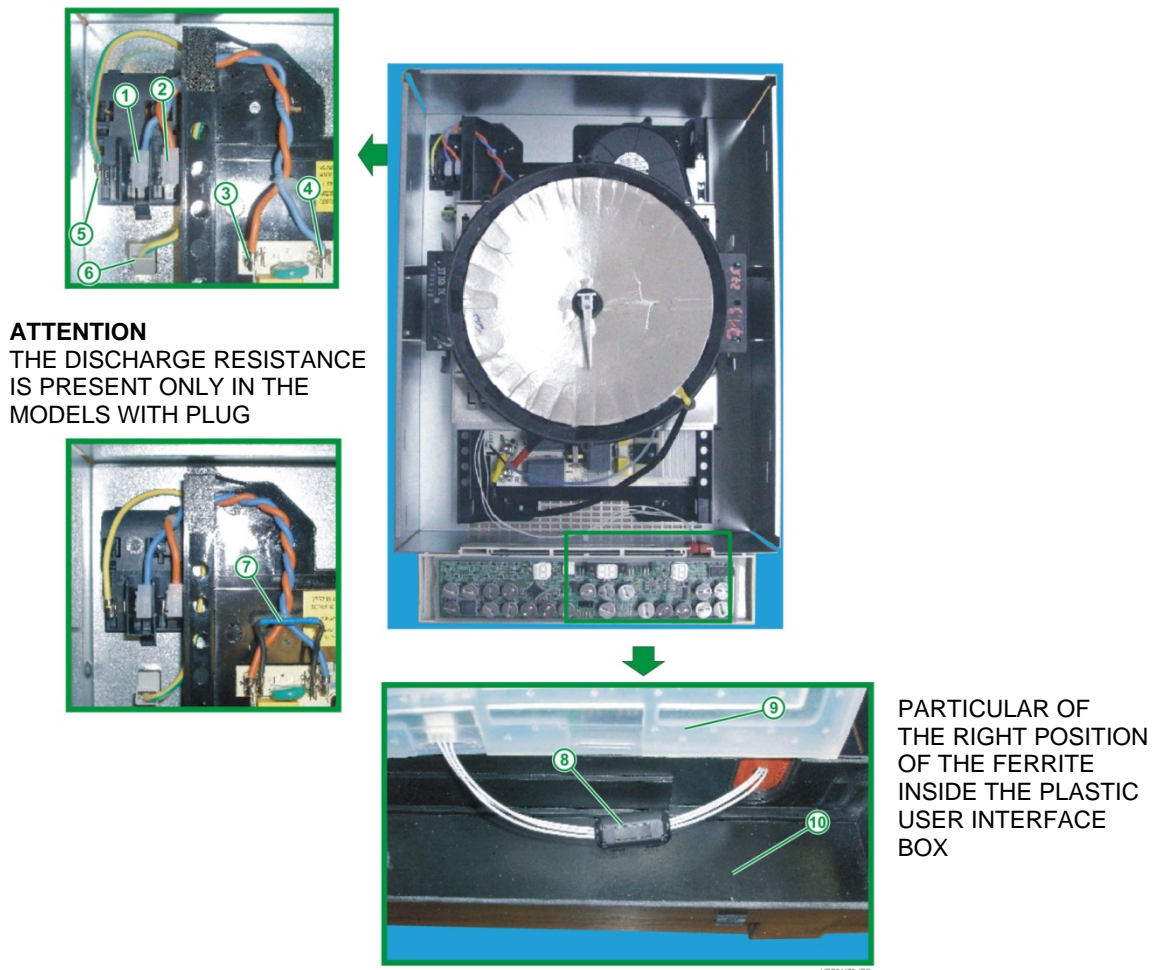


Fig. 40

- 1 - NEUTRAL CONNECTION TO THE TERMINAL
- 2 - PHASE CONNECTION TO THE TERMINAL
- 3 - PHASE CONNECTION TO THE POWER BOARD
- 4 - NEUTRAL CONNECTION TO THE POWER BOARD
- 5 - EARTH CONNECTION TO THE TERMINAL

- 6 - EARTH CONNECTION TO THE POWER BOARD SUPPORT
- 7 - DISCHARGE RESISTANCE FOR THE MODELS WITH PLUG
- 8 - FERRITE
- 9 - USER INTERFACE ASSEMBLY
- 10 - PLASTIC USER BOX

2.4.3 - CONTROLS OF INDUCTION MODELS WITH WOK ZONE

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AEG

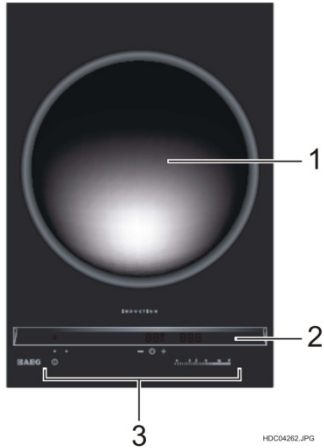


Fig. 41

- 1 - WOK INDUCTION COOKING ZONE (Ø 300 mm) 2300W WITH POWER FUNCTION 3200W
- 2 - DISPLAY ZONE
- 3 - TOUCH CONTROL ZONE

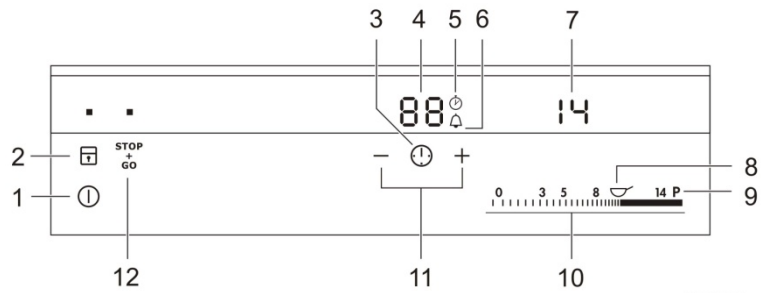


Fig. 42

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It sets the Timer function.
4	The timer display	It shows the time in minutes.
5		It shows that the Count Up Timer function operates.
6		It shows that the Minute minder / the Count Down Timer function operates.
7	A heat setting display	It shows the heat setting.
8		It activates the "continue simmering" mode
9	P	It activates the Power Function
10	A control bar	To set the heat setting.
11		It increases or decreases the time.
12		It activates and deactivates the STOP+GO function.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	Keep Warm / ^{STOP} GO function is on
	The automatic heat-up function is on
	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	Cookware unsuitable or too small or no cookware on the cooking zone
	The automatic switch off is on

(*) See Service Manual 599729030.

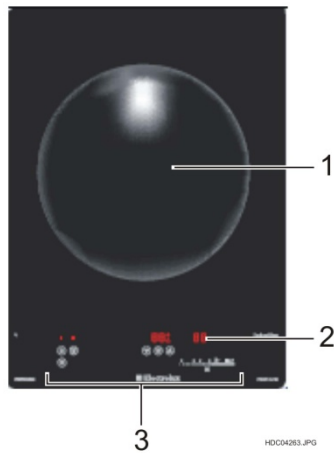


Fig. 43

- 1 - WOK INDUCTION COOKING ZONE (Ø 300 mm) 2300W WITH POWER FUNCTION 3200W
- 2 - DISPLAY ZONE
- 3 - TOUCH CONTROL ZONE

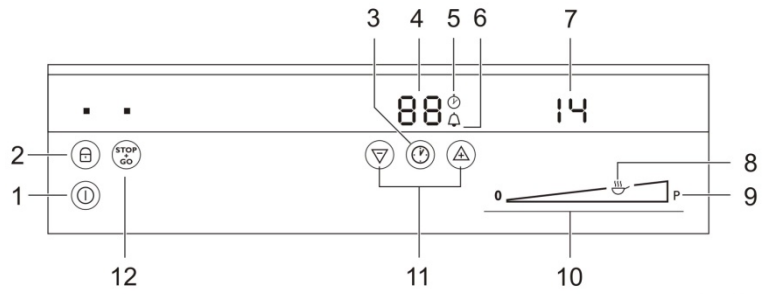


Fig. 44

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It sets the Timer function.
4	The timer display	It shows the time in minutes.
5		It shows that the Count Up Timer function operates.
6		It shows that the Minute minder / the Count Down Timer function operates.
7	A heat setting display	It shows the heat setting.
8		It activates the "continue simmering" mode
9	P	It activates the Power Function
10	A control bar	To set the heat setting.
11		It increases or decreases the time.
12		It activates and deactivates the STOP+GO function.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	Keep Warm / ^{STOP} GO function is on
	The automatic heat-up function is on
+ digit	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	Cookware unsuitable or too small or no cookware on the cooking zone
	The automatic switch off is on

(*) See Service Manual 599729030.

For more information see also Service Manuals 599729030 (Troubleshooting).

2.5 - INDUCTION TEPPAN YAKI 36 cm MODELS

These models are built for grilling food directly on the top of stainless steel. Warming up for the grilling is done through magnetic induction induced on the upper-steel, generated by coils placed under the upper-steel and operating at controlled temperature. The coils are controlled through a user interface board which controls the power board Tiger.

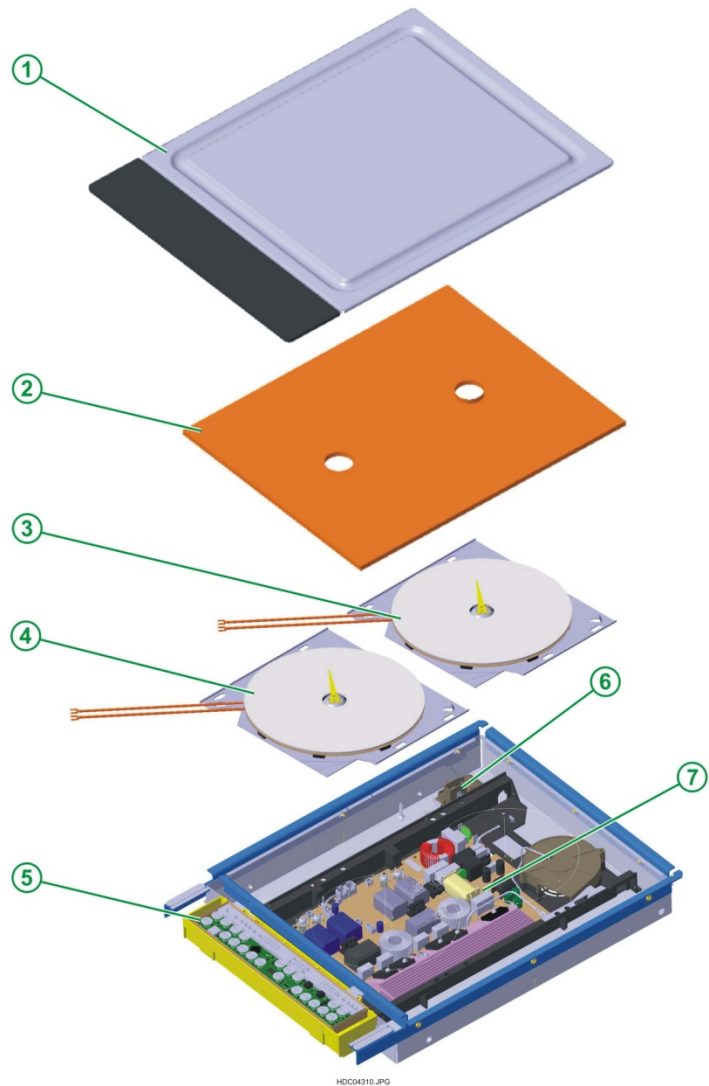


Fig. 45

- 1 - INOX TOP ASSEMBLY
- 2 - INSULATION SHEET
- 3 - REAR INDUCTION COIL ASSEMBLY
- 4 - FRONT INDUCTION COIL ASSEMBLY
- 5 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TUCAN
- 6 - ELECTRICAL CONNECTION BOX
- 7 - POWER BOARD TIGER

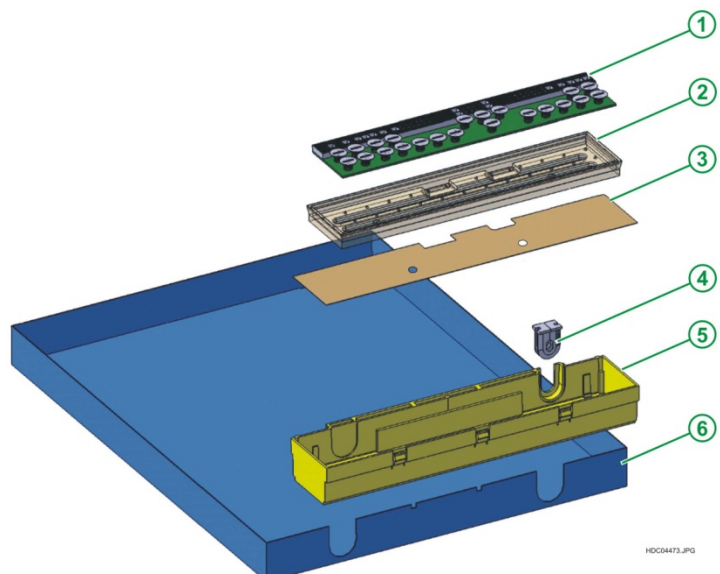


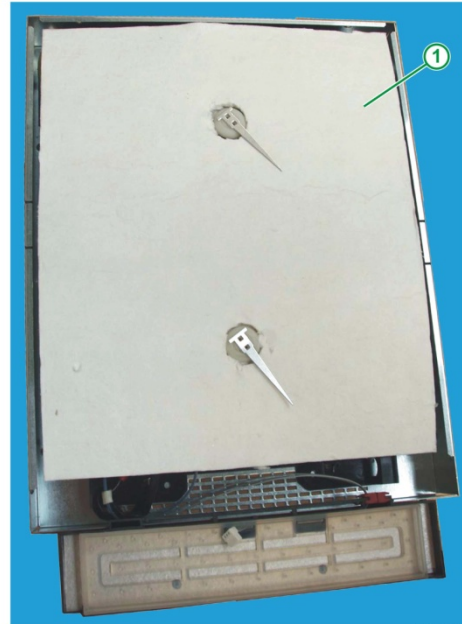
Fig. 46

- 1 - TOUCAN USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - CABLE CLAMP
- 5 - STANDARD INTERFACE BOX
- 6 - BOX MOUNT COMPONENTS

2.5.1 - POSITION OF COMPONENTS FOR TEPPAN YAKI 36 cm MODELS

Fig. 47

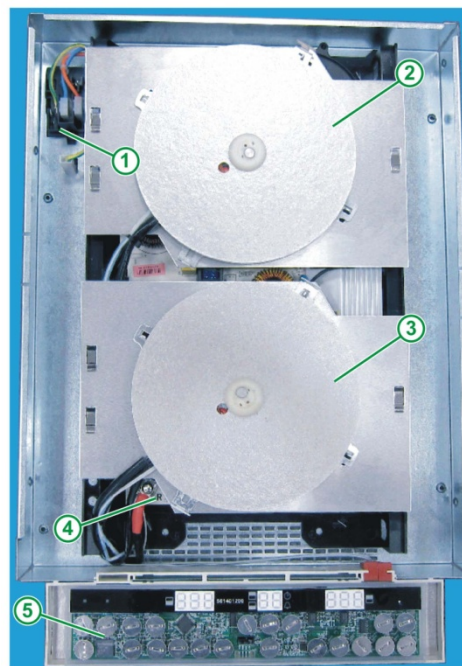
1 - INSULATION SHEET



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Fig. 48

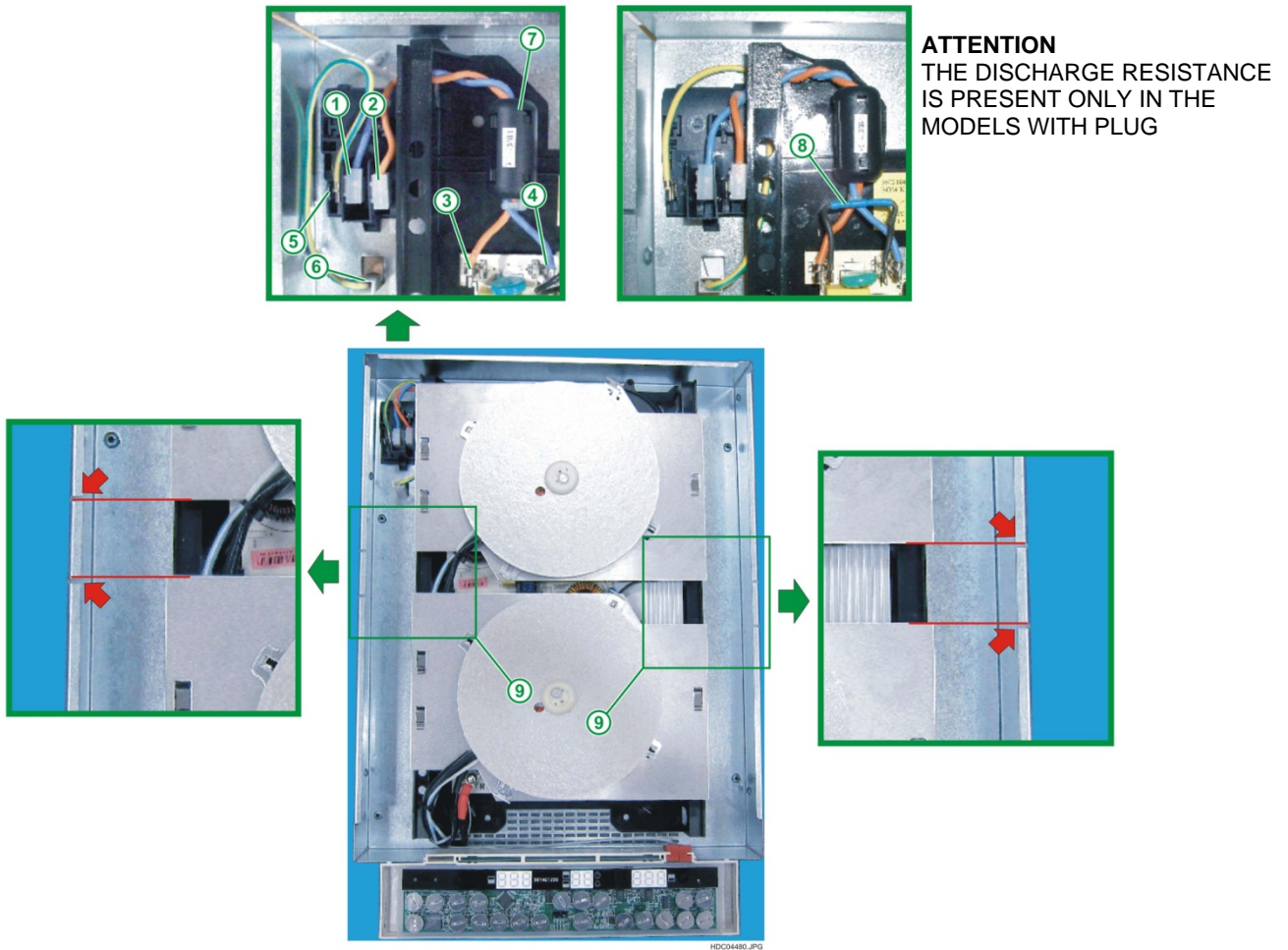
- 1 - ELECTRICAL CONNECTION BOX
- 2 - INDUCTION COIL REAR (Ø 145 mm)
- 3 - INDUCTION COIL FRONT (Ø 145 mm)
- 4 - POWER BOARD TIGER
- 5 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TOUCAN



HDC04479.JPG

2.5.2 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION FOR TEPPAN YAKI 36 cm MODELS

Refit the induction coils is necessary to observe the correct position of the coil with reference to the marks shown in Figure 49.



ATTENTION
THE DISCHARGE RESISTANCE IS PRESENT ONLY IN THE MODELS WITH PLUG

Fig. 49

- | | |
|---|---|
| 1 - NEUTRAL CONNECTION TO THE TERMINAL | 6 - EARTH CONNECTION TO THE POWER BOARD SUPPORT |
| 2 - PHASE CONNECTION TO THE TERMINAL | 7 - FERRITE |
| 3 - PHASE CONNECTION TO THE POWER BOARD | 8 - DISCHARGE RESISTANCE FOR THE MODELS WITH PLUG |
| 4 - NEUTRAL CONNECTION TO THE POWER BOARD | 9 - REFERENCE TO MARK FOR PROPER POSITION OF COIL |
| 5 - EARTH CONNECTION TO THE TERMINAL | |

2.5.3 - CONTROLS OF INDUCTION TEPPAN YAKI 36 cm MODELS

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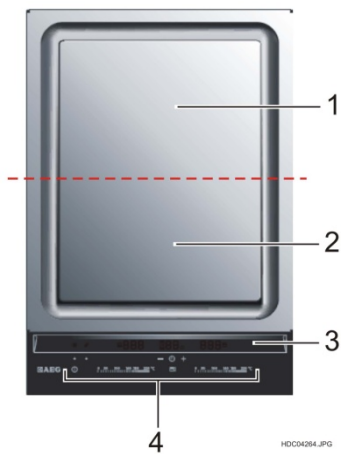


Fig. 50

- 1 - GRILLING INDUCTION REAR AREA 1400W (1 ZONE Ø 145 mm)
- 2 - GRILLING INDUCTION FRONT AREA 1400W (1 ZONE Ø 145 mm)
- 3 - DISPLAY ZONE
- 4 - TOUCH CONTROL ZONE

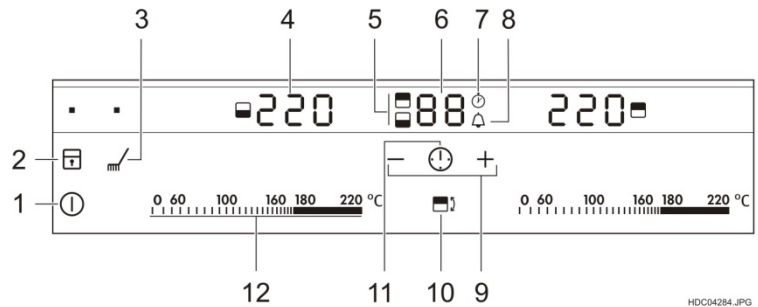


Fig. 51

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It activates and deactivates the cleaning function.
4	A heat setting display	It shows the heat setting.
5	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
6	The timer display	It shows the time in minutes.
7		It shows that the Count Up Timer function operates.
8		It shows that the Minute minder / the Count Down Timer function operates.
9	+ / -	It increases or decreases the time.
10		It sets the cooking zone.
11		It sets the Timer function.
12	A control bar	To set the heat setting.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	The automatic switch off is on

(*) See Service Manual 599729030.

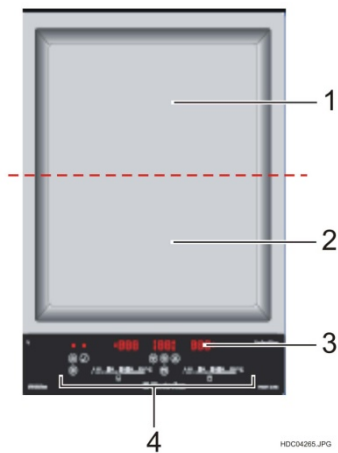


Fig. 52

- 1 - GRILLING INDUCTION REAR AREA 1400W (1 ZONE Ø 145 mm)
- 2 - GRILLING INDUCTION FRONT AREA 1400W (1 ZONE Ø 145 mm)
- 3 - DISPLAY ZONE
- 4 - TOUCH CONTROL ZONE

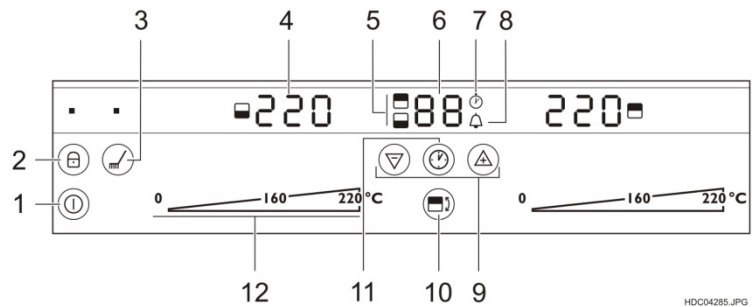


Fig. 53

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It activates and deactivates the cleaning function.
4	A heat setting display	It shows the heat setting.
5	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
6	The timer display	It shows the time in minutes.
7		It shows that the Count Up Timer function operates.
8		It shows that the Minute minder / the Count Down Timer function operates.
9		It increases or decreases the time.
10		It sets the cooking zone.
11		It sets the Timer function.
12	A control bar	To set the heat setting.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	The automatic switch off is on

(*) See Service Manual 599729030.

For more information see also Service Manuals 599729030 (Troubleshooting).

2.6 - INDUCTION TEPPAN YAKI 58 cm MODELS

These models are built for grilling food directly on the top of stainless steel. Warming up for the grilling is done through magnetic induction induced on the upper-steel, generated by coils placed under the upper-steel and operating at controlled temperature. The coils are controlled through a user interface board which controls two power board Tiger.

Tiger board right controls the two coils on the right, while the Tiger board left controls the two coils left. The operation is done by selecting the front or the rear grilling zone, in this way simultaneously operate the front coils or rear coils.

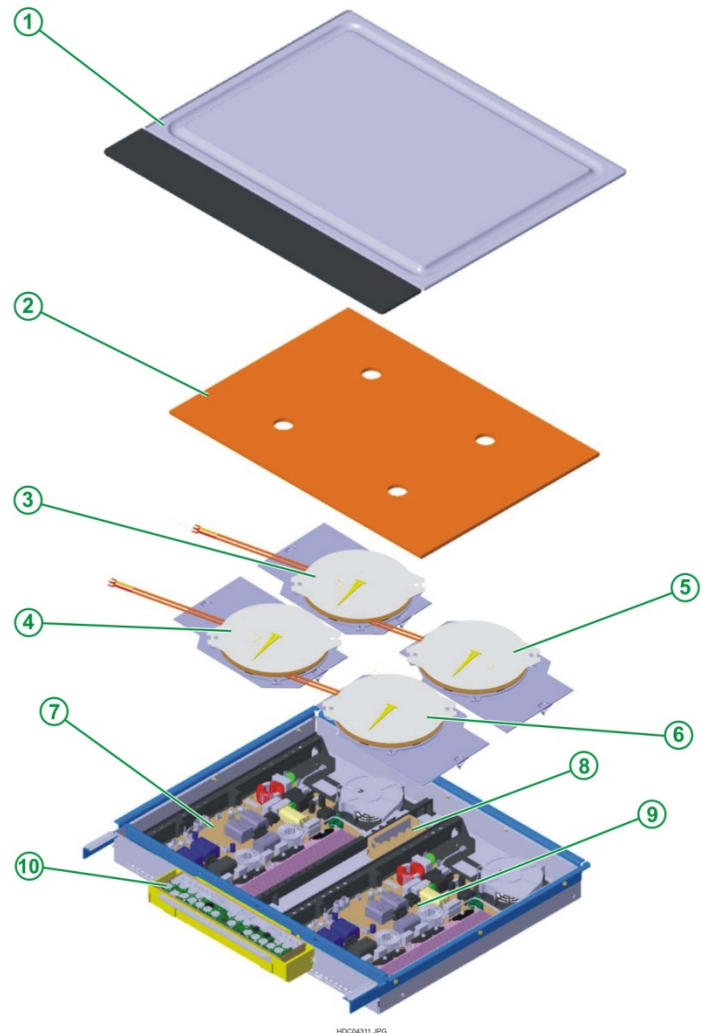


Fig. 54

- 1 - INOX TOP ASSEMBLY
- 2 - INSULATION SHEET
- 3 - REAR LEFT INDUCTION COIL ASSEMBLY
- 4 - FRONT LEFT INDUCTION COIL ASSEMBLY
- 5 - REAR RIGHT INDUCTION COIL ASSEMBLY
- 6 - FRONT RIGHT INDUCTION COIL ASSEMBLY
- 7 - LEFT POWER BOARD TIGER
- 8 - ELECTRICAL CONNECTION BOX
- 9 - RIGHT POWER BOARD TIGER
- 10 - STANDARD INTERFACE BOX WITH USER INTERFACE BOARD TUCAN

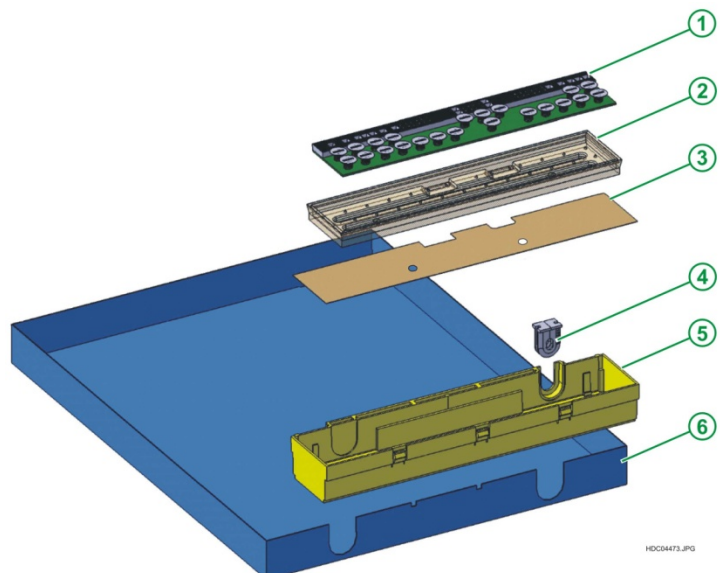


Fig. 55

- 1 - TOUCAN USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - CABLE CLAMP
- 5 - STANDARD INTERFACE BOX
- 6 - BOX MOUNT COMPONENTS

2.6.1 - POSITION OF COMPONENTS FOR TEPPAN YAKI 58 cm MODELS

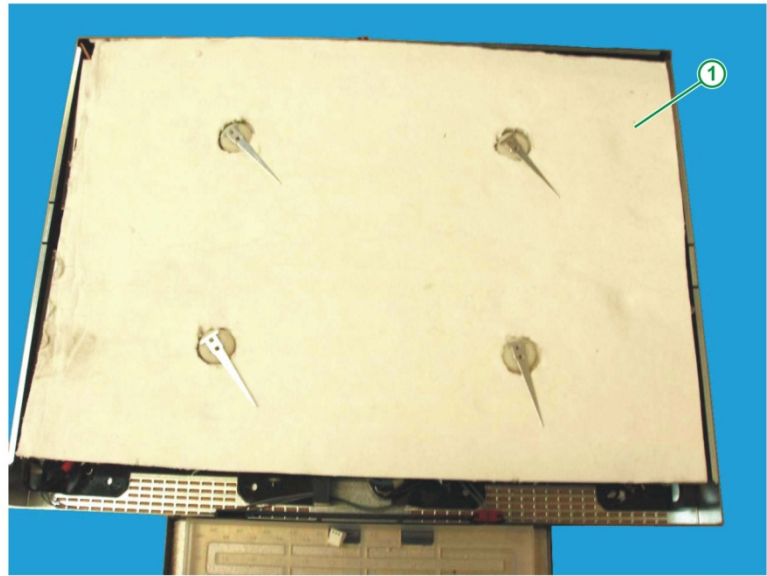


Fig. 56

1 - INSULATION SHEET

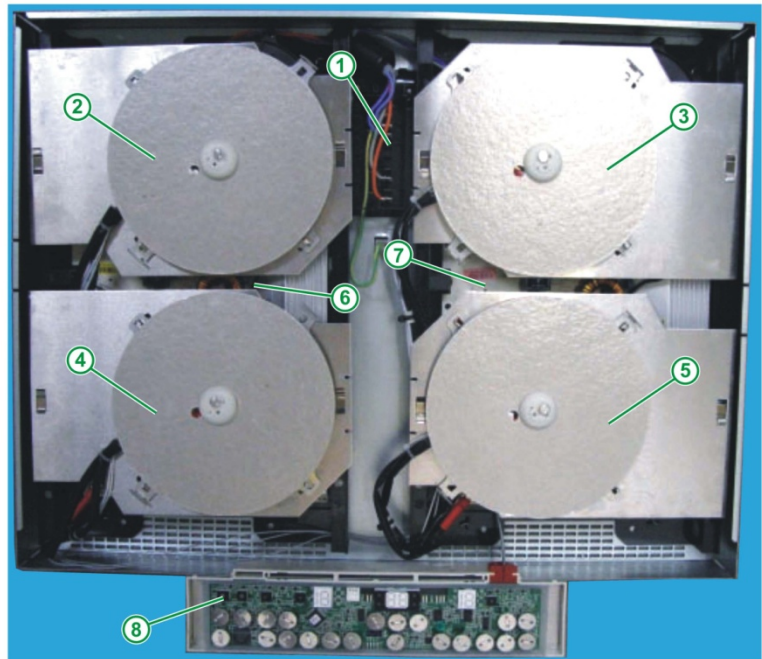


Fig. 57

- 1 - ELECTRICAL CONNECTION BOX
- 2 - INDUCTION COIL LEFT REAR
(Ø 145 mm)
- 3 - INDUCTION COIL RIGHT REAR
(Ø 145 mm)
- 4 - INDUCTION COIL LEFT FRONT
(Ø 145 mm)
- 5 - INDUCTION COIL RIGHT FRONT
(Ø 145 mm)
- 6 - POWER BOARD TIGER LEFT
- 7 - POWER BOARD TIGER RIGHT
- 8 - STANDARD INTERFACE BOX WITH
USER INTERFACE BOARD TOUCAN

2.6.2 - CORRECT POSITION OF COILS AND ELECTRICAL CONNECTION FOR TEPPAN YAKI 58 cm MODELS

Refit the induction coils is necessary to observe the correct position of the coil with reference to the marks shown in Figure 58.

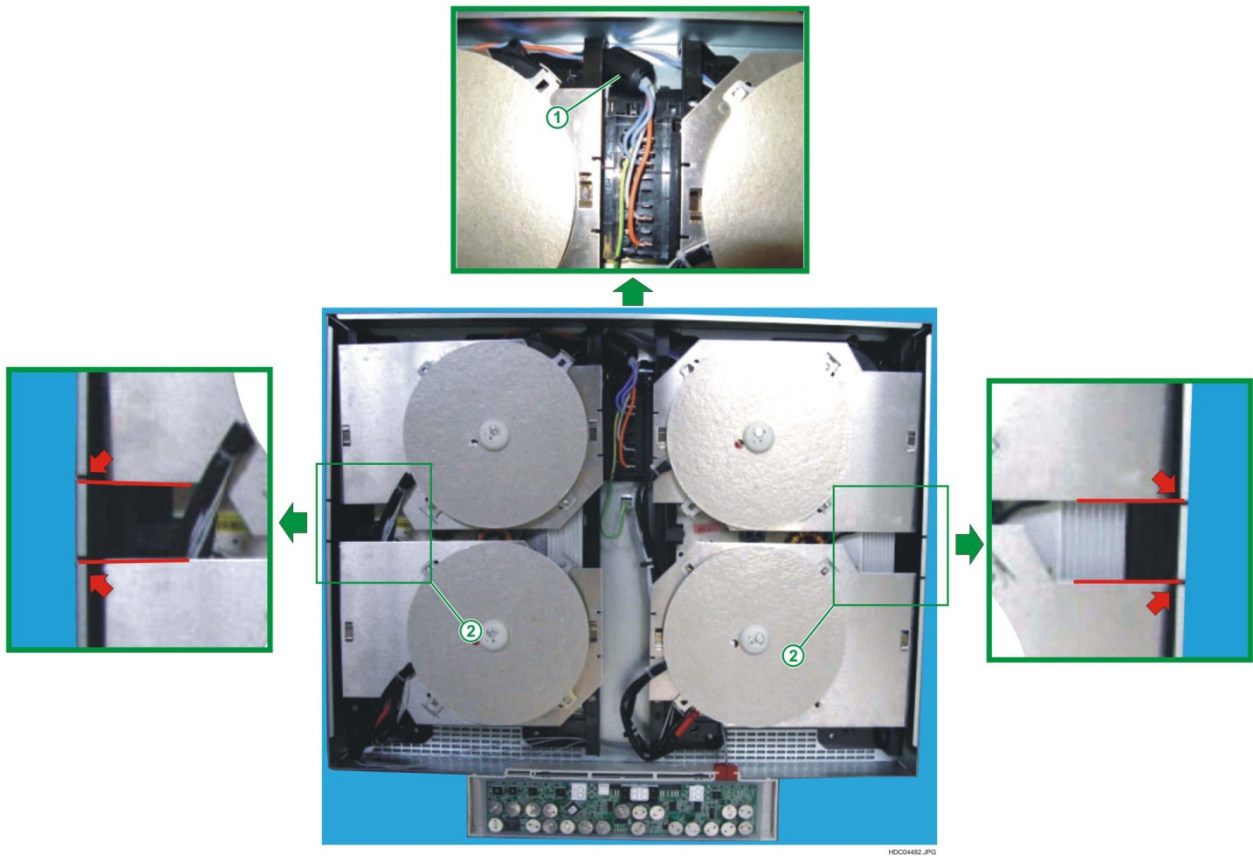


Fig. 58

- 1 - FERRITE
- 2 - REFERENCE TO MARK FOR PROPER POSITION OF COIL

2.6.3 - CONTROLS OF INDUCTION TEPPAN YAKI 58cm MODELS

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AEG

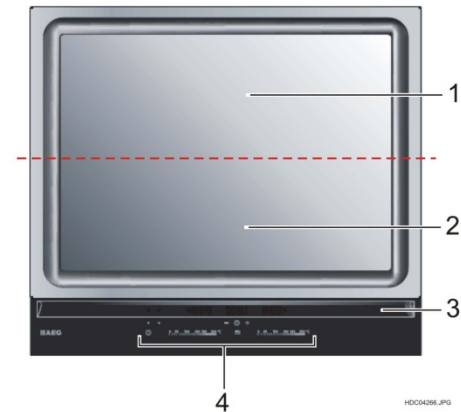


Fig. 59

- 1 - GRILLING INDUCTION REAR
AREA 2800W (2 ZONES Ø 145 mm)
- 2 - GRILLING INDUCTION FRONT
AREA 2800W (2 ZONES Ø 145 mm)
- 3 - DISPLAY ZONE
- 4 - TOUCH CONTROL ZONE

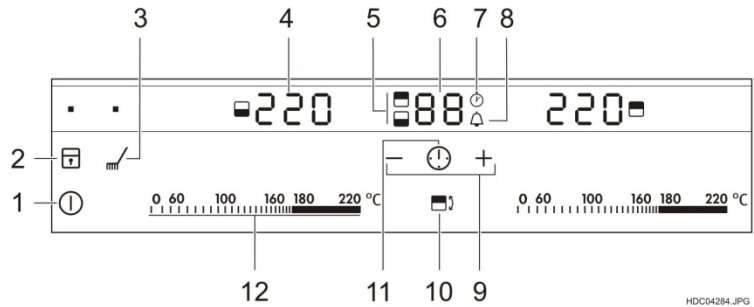


Fig. 60

	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It activates and deactivates the cleaning function.
4	A heat setting display	It shows the heat setting.
5	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
6	The timer display	It shows the time in minutes.
7		It shows that the Count Up Timer function operates.
8		It shows that the Minute minder / the Count Down Timer function operates.
9	+ / -	It increases or decreases the time.
10		It sets the cooking zone.
11		It sets the Timer function.
12	A control bar	To set the heat setting.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	The automatic switch off is on

(*) See Service Manual 599729030.

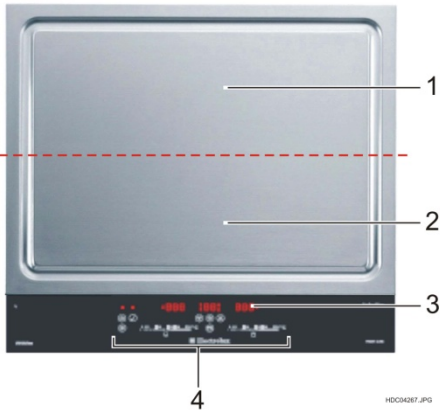


Fig. 61

- 1 - GRILLING INDUCTION REAR AREA 2800W (2 ZONES Ø 145 mm)
- 2 - GRILLING INDUCTION FRONT AREA 2800W (2 ZONES Ø 145 mm)
- 3 - DISPLAY ZONE
- 4 - TOUCH CONTROL ZONE

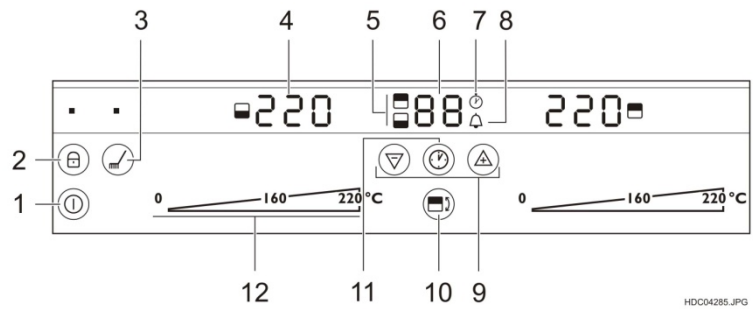


Fig. 62

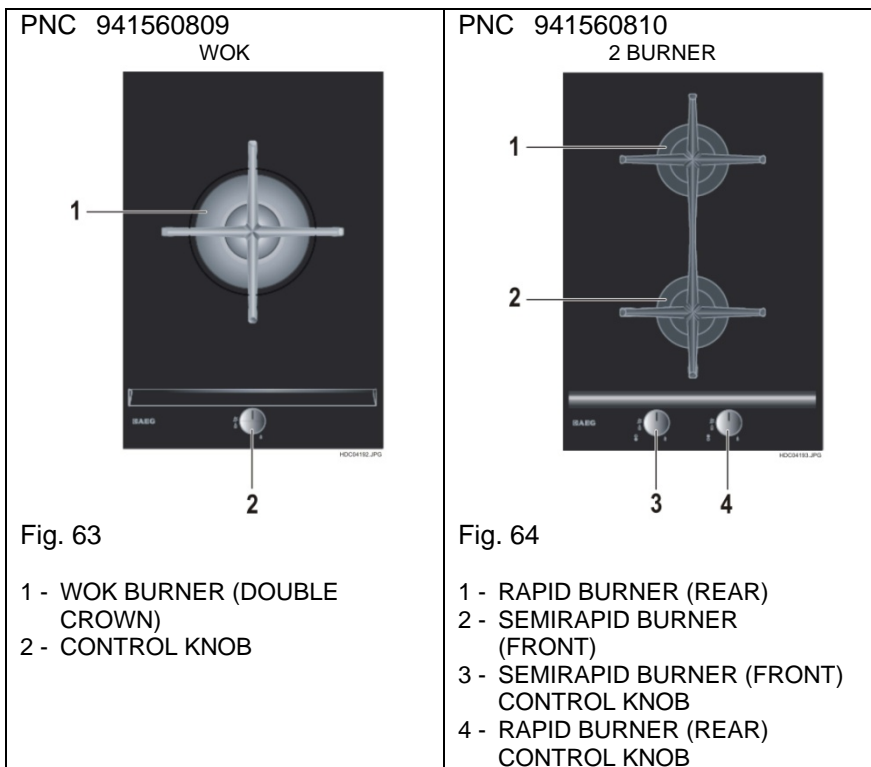
	SENSOR FIELD	FUNCTION
1		It activates and deactivates the appliance.
2		It locks/unlocks the control panel.
3		It activates and deactivates the cleaning function.
4	A heat setting display	It shows the heat setting.
5	Cooking zones' indicators of timer	It shows for which of the cooking zones you set the time.
6	The timer display	It shows the time in minutes.
7		It shows that the Count Up Timer function operates.
8		It shows that the Minute minder / the Count Down Timer function operates.
9		It increases or decreases the time.
10		It sets the cooking zone.
11		It sets the Timer function.
12	A control bar	To set the heat setting.

DISPLAY	DESCRIPTION
	The cooking zone is off
	The cooking zone operates
	There is a malfunction (*)
	Opt Heat Control (3 step Residual heat indicator): still cooking / keep warm / residual heat
	Lock / Child safety function is on
	The automatic switch off is on

(*) See Service Manual 599729030.

For more information see also Service Manuals 599729030 (Troubleshooting).

2.7 - GAS MODELS



For more information see also Service Manual 599732793.

2.8 - TEPPAN YAKI TICKFILM MODELS

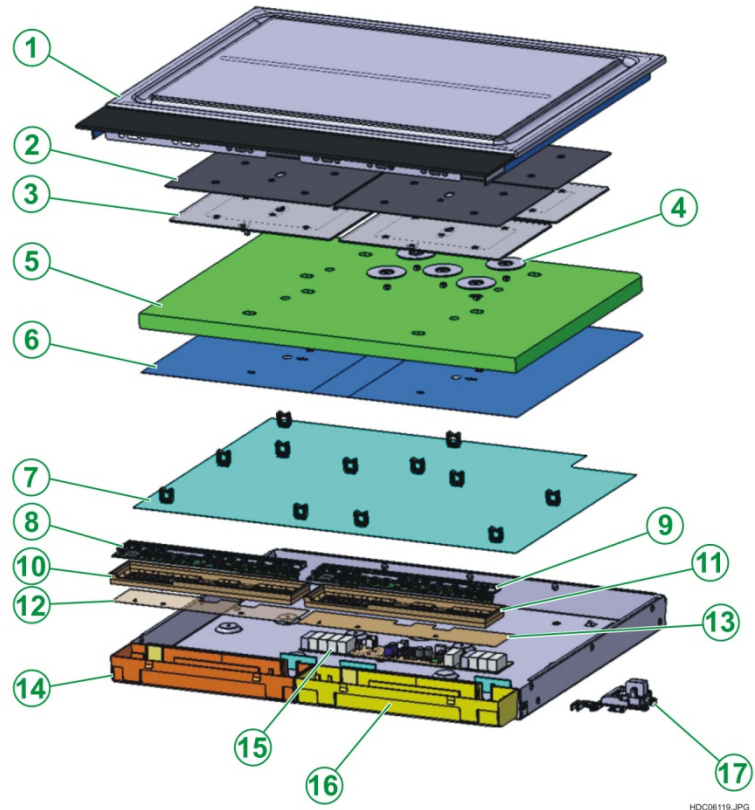
(Electrolux project Optiheat)

The heating element is a steel plate with printed an isolated circuit. The heating plate is fixed with nuts. In each heating plate a sensor is applied.

2.8.1 - OVERVIEW OF THE HOB

Fig. 65

- 1 - HOB TOP METAL
- 2 - GRAPHITE PLATES
- 3 - STEEL PLATES
- 4 - MOUNTING WASHERS
- 5 - INSULATING PANEL
- 6 - MICA SHEETS
- 7 - SUPPORT PLATE
- 8 - "TUCAN" USER INTERFACE FOR LEFT ZONES
- 9 - "TUCAN" USER INTERFACE FOR RIGHT ZONES
- 10 - SUPPORT FOR INTERFACE
- 11 - SUPPORT FOR INTERFACE
- 12 - MICA SHEET
- 13 - MICA SHEET
- 14 - BOX FOR LEFT INTERFACE
- 15 - "HOC2010 SHORT" POWER BOARD
- 16 - BOX FOR RIGHT INTERFACE
- 17 - CONNECTION BOX

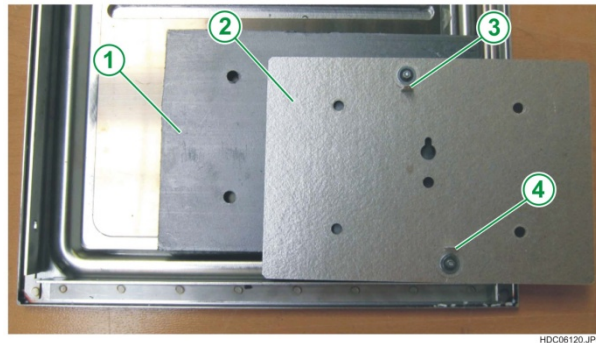


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2.8.2 - OVERVIEW OF THE SPECIFIC COMPONENTS

Fig. 66

- 1 - GRAPHITE PLATE
- 2 - STEEL PLATE
- 3 - ELECTRICAL CONNECTION
- 4 - ELECTRICAL CONNECTION



- Apply the sensor in the keyhole (see Fig. 66 Pos. 3 e Fig. 67 Pos. 1 e 4).
- Add the washers; 5 each heating element: Torque: 4Ncm ~ strong torque.
- Apply isolation + (Mica).

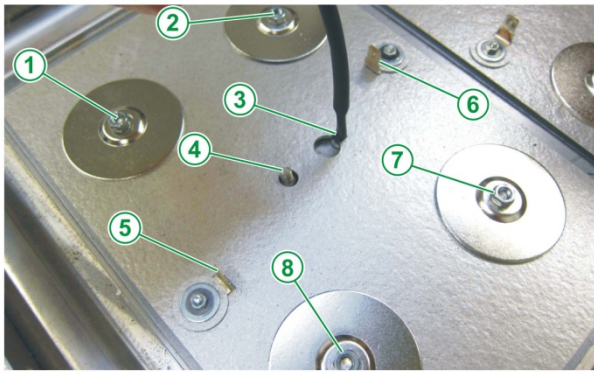


Fig. 67

- 1 - HEATING ELEMENT FIXING POINT
- 2 - HEATING ELEMENT FIXING POINT
- 3 - TEMPERATURE SENSOR
- 4 - HEATING ELEMENT FIXING POINT
- 5 - ELECTRICAL CONNECTION
- 6 - ELECTRICAL CONNECTION
- 7 - HEATING ELEMENT FIXING POINT
- 8 - HEATING ELEMENT FIXING POINT

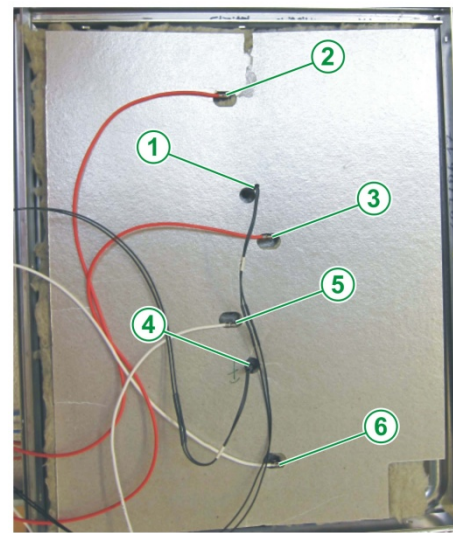


Fig. 68

- 1 - TEMPERATURE SENSOR FRONT ZONE
- 2 - ELECTRICAL CONNECTION FRONT ZONE
- 3 - ELECTRICAL CONNECTION FRONT ZONE
- 4 - TEMPERATURE SENSOR REAR ZONE
- 5 - ELECTRICAL CONNECTION REAR ZONE
- 6 - ELECTRICAL CONNECTION REAR ZONE

2.8.3 - TEMPERATURE SENSORS CONNECTION

Connect the sensor:

Front Sensor: connect front sensor on the left connector
Left side = right side (see Fig. 69).

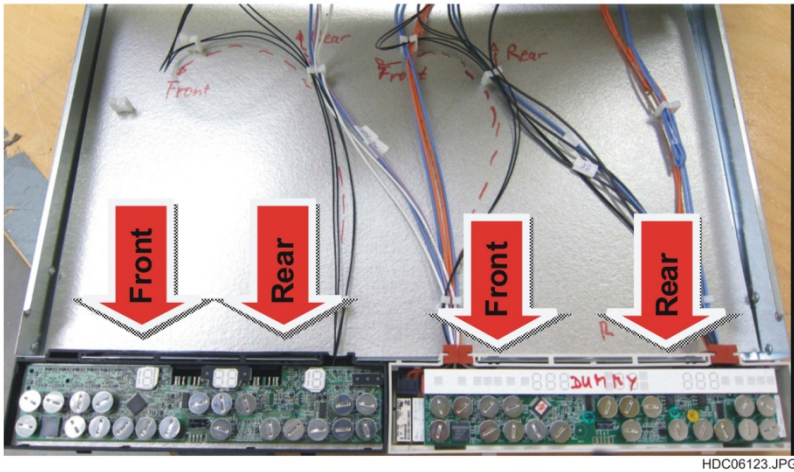


Fig. 69

View on the User interface

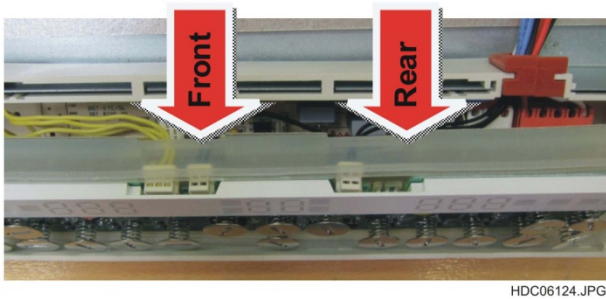


Fig. 70

Sensor - Factory Test for Thickfilm Teppan Yaki:

The test starts when the two keys (see Fig. 71) are pressed in the first 5 second after plug in

- Plug in.
- Press first two key over the on/off (key lock, clean) ; you have 5 seconds.
- If the test fails the sign "S" will appear.

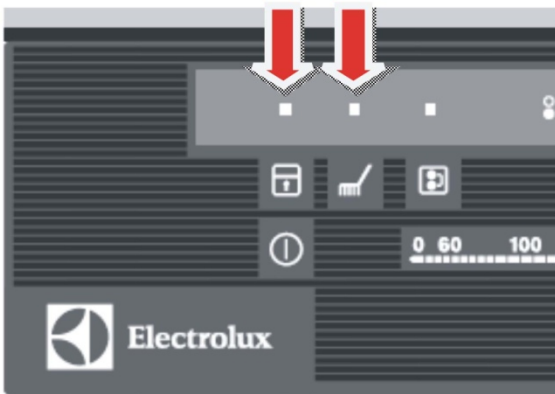


Fig. 71

3 - STANDARD INTERFACE BOX

For the whole range of crystal module hobs using the same interface box (see Fig. 72).

In the Induction Models the interface box contains only the user interface card (see Fig. 73).

In the Radiant Models the interface box contains the user interface card and also the power board HOC2010 (see Fig. 74).

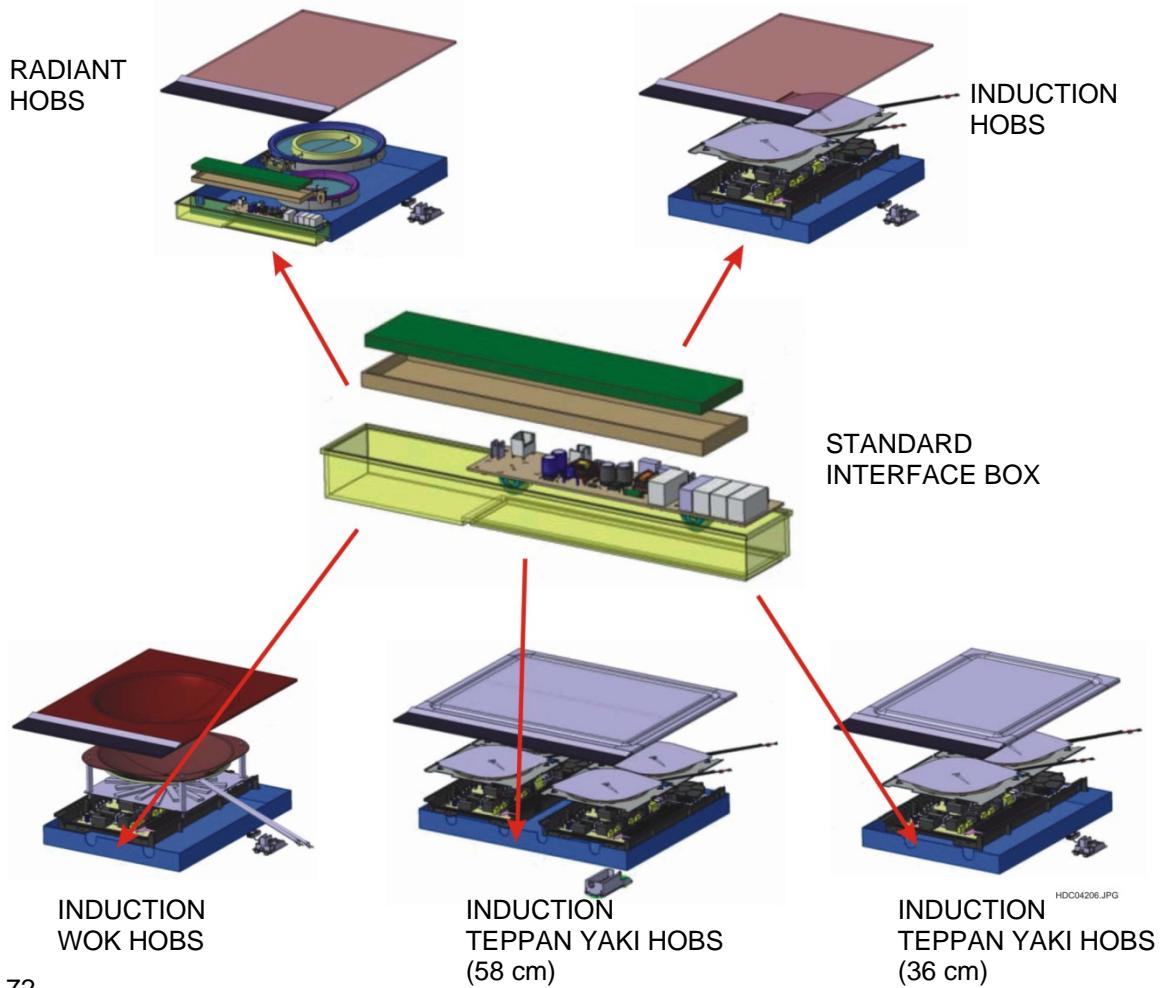


Fig. 72

INTERFACE BOX FOR INDUCTION MODELS

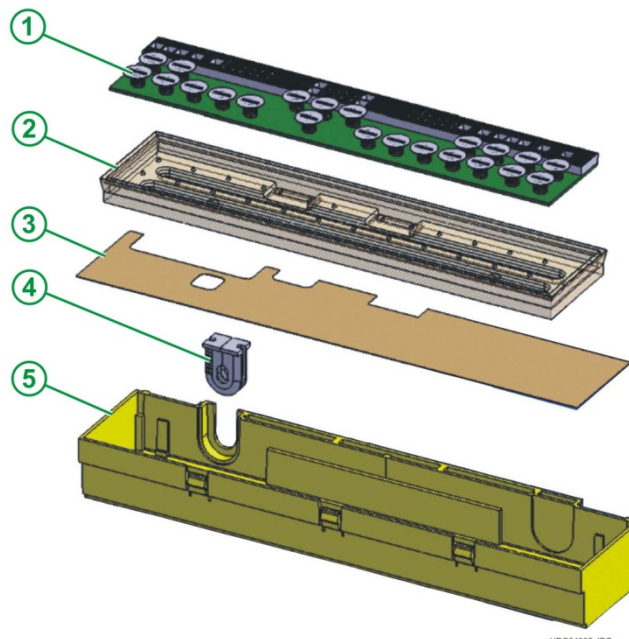


Fig. 73

- 1 - USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - CABLE CLAMP
- 5 - STANDARD INTERFACE BOX

INTERFACE BOX FOR RADIANT MODELS

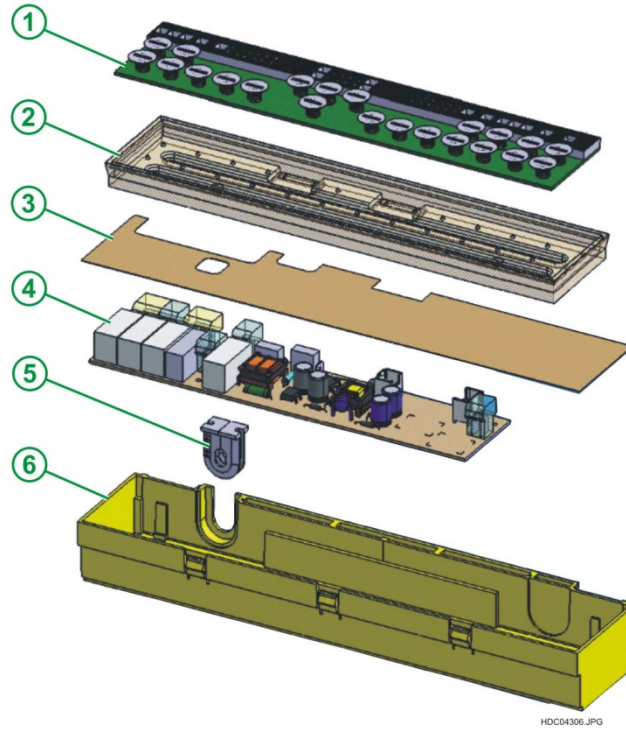


Fig. 74

- 1 - USER INTERFACE BOARD
- 2 - USER INTERFACE BOARD SUPPORT
- 3 - INSULATION SHEET
- 4 - POWER BOARD HOC2010
- 5 - CABLE CLAMP
- 6 - STANDARD INTERFACE BOX

3.1 - INTERFACE BOX FIXING SYSTEM

The standard interface box is fitted into the front of the box support components (see Fig. 75, 76 and 77).

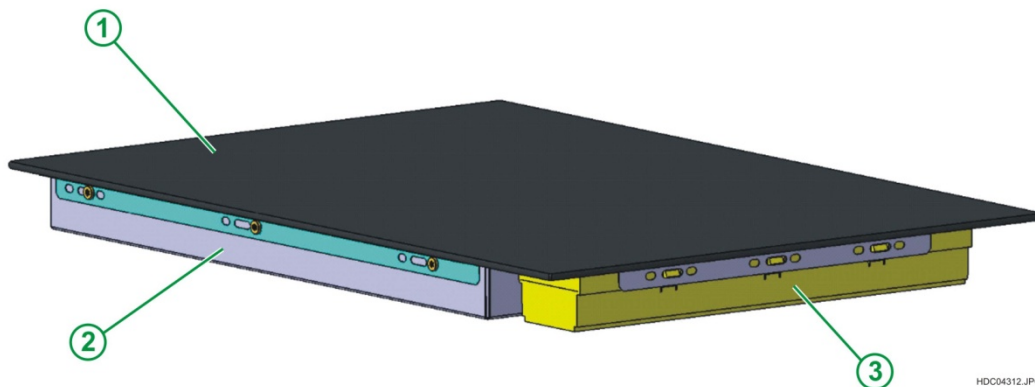


Fig. 75

- 1 - GLASSCERAMIC OR UPPER-STEEL ASSEMBLY
- 2 - BOX MOUNT COMPONENTS
- 3 - STANDARD INTERFACE BOX

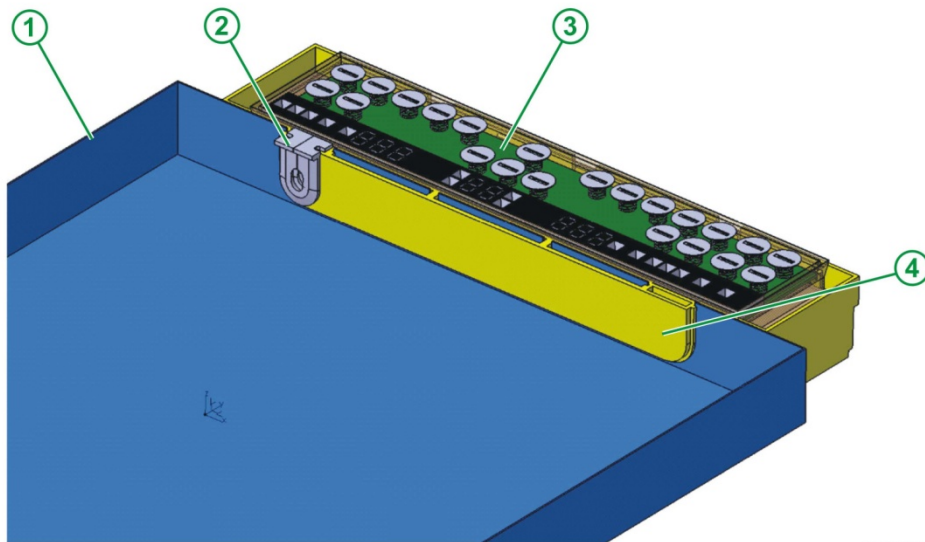


Fig. 76

HDC04313.JPG

- 1 - BOX MOUNT COMPONENTS
- 2 - CABLE CLAMP
- 3 - USER INTERFACE BOARD
- 4 - STANDARD INTERFACE BOX FIXING POINT

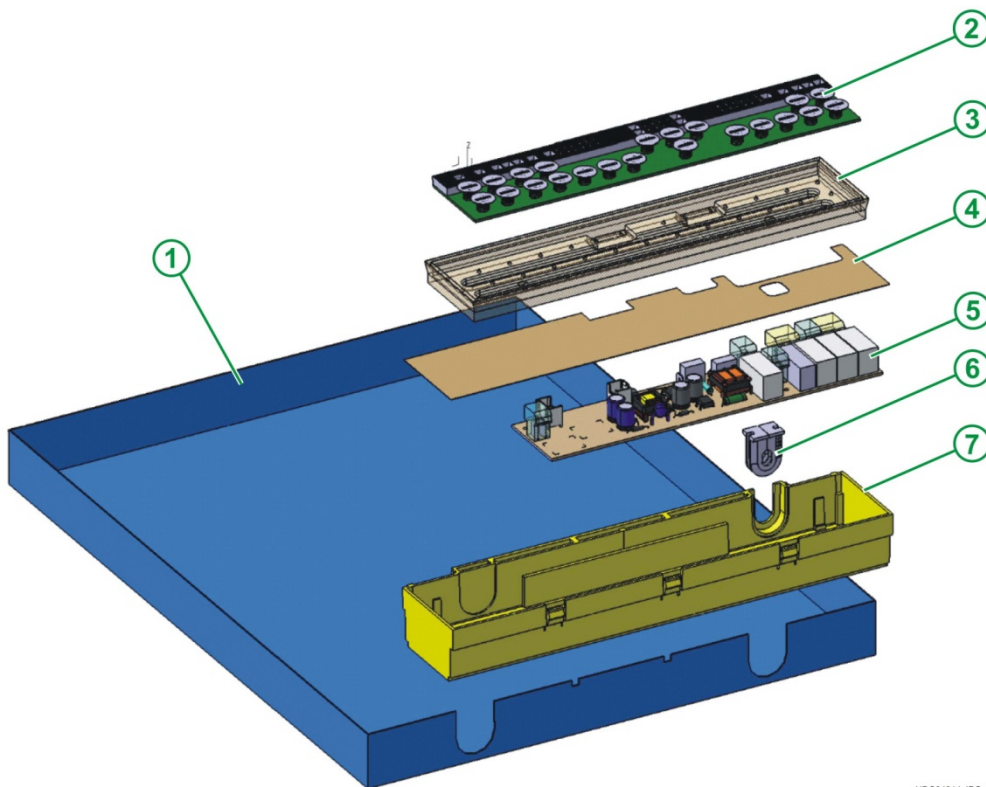


Fig. 77

HDC04314.JPG

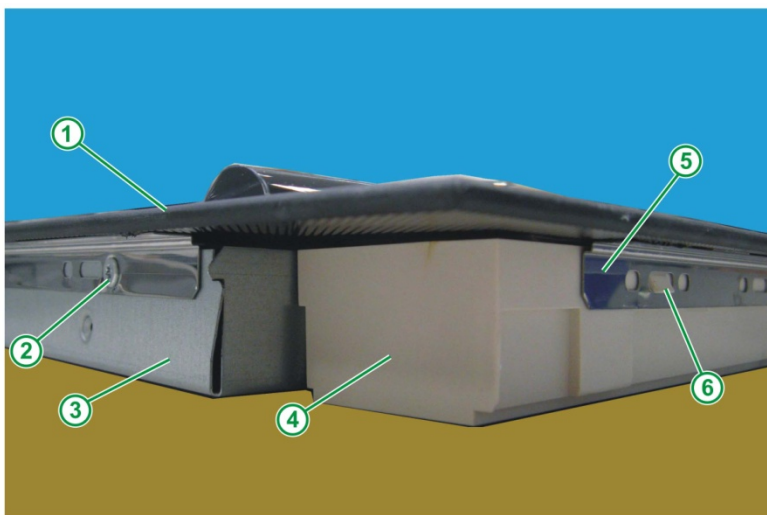
- 1 - BOX MOUNT COMPONENTS
- 2 - USER INTERFACE BOARD
- 3 - USER INTERFACE BOARD SUPPORT
- 4 - INSULATION SHEET
- 5 - POWER BOARD HOC2010
- 6 - CABLE CLAMP
- 7 - STANDARD INTERFACE BOX

4 - REMOVING AND INSERTING THE TOP

4.1 - REMOVAL THE TOP

Fig. 78

- 1 - GLASSCERAMIC OR INOX TOP
- 2 - SCREW
- 3 - BOX MOUNT COMPONENTS
- 4 - STANDARD INTERFACE BOX
- 5 - BRAKET FIXING OF THE TOP
- 6 - TOOTH CATCH

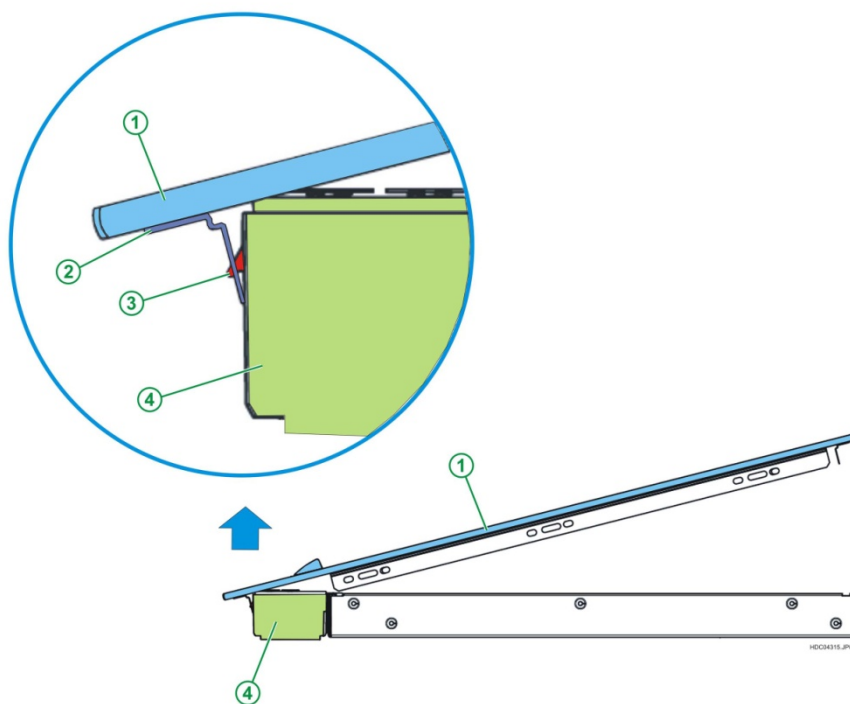


HDC04485.JPG

SPECIAL FIXING SYSTEM FRONT

Fig. 79

- 1 - GLASSCERAMIC OR INOX TOP
- 2 - BRAKET FIXING OF THE TOP
- 3 - TOOTH CATCH
- 4 - STANDARD INTERFACE BOX



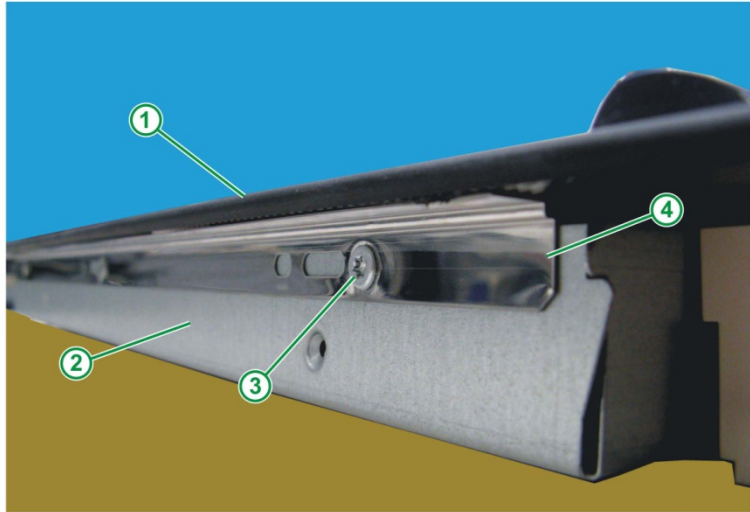
HDC04318.JPG

To remove the top:

1. Unscrew the fixing screws

Fig. 80

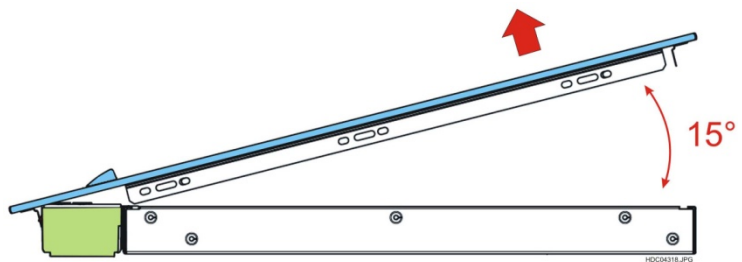
- 1 - GLASSCERAMIC OR INOX TOP
- 2 - BOX MOUNT COMPONENTS
- 3 - SCREW



HDC04484.JPG

2. Raise the top of about 15° from the rear (see Fig. 81)

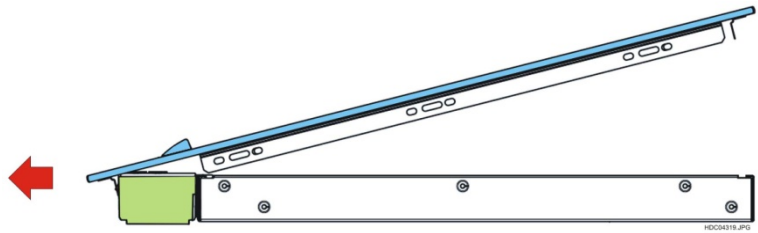
Fig. 81



HDC04318.JPG

3. Pull off the top toward the front (Fig. 82).

Fig. 82



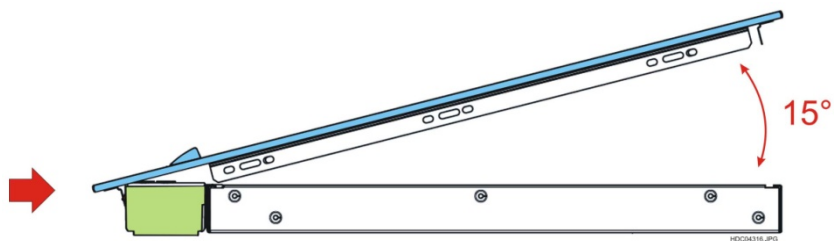
HDC04319.JPG

4.2 - TOP MOUNTING

To reassemble the top:

1. Place the top in the front teeth at the coupling holding it tilted about 15° (see Fig. 83 and 85).

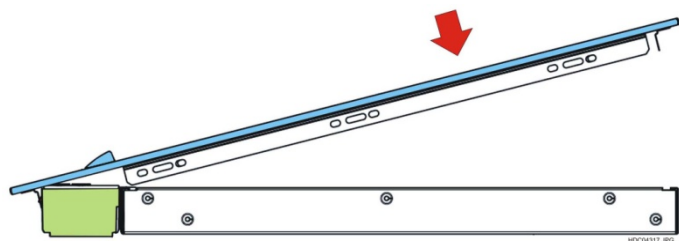
Fig. 83



HDC04316.JPG

2. Close the top (see Fig. 84).
3. Screw the fixing screws of the top (see Fig. 80).

Fig. 84



HDC04317.JPG

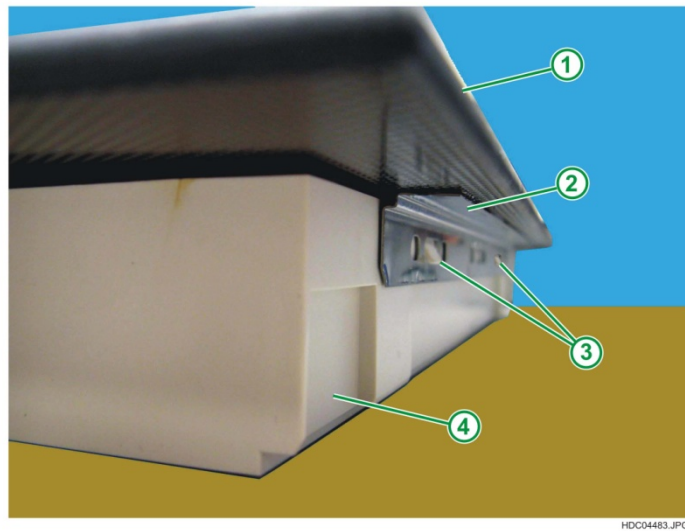


Fig. 85

- 1 - GLASSCERAMIC OR INOX TOP
- 2 - BRAKET FIXING OF THE TOP
- 3 - TOOTH CATCH
- 4 - STANDARD INTERFACE BOX

ATTENTION: Before closing the top to verify the correct mounting of the teeth of the standard interface box in the top bracket fixing (see Fig. 85)

5 - REVISIONS

Revision	Date	Description	Author	Approved by - on
00	12/2010	Document Creation	FV	
01	08/2013	<ul style="list-style-type: none"> - Changed Layout cover. - Added Chapter 2.8 - TEPPAN YAKI TICKFILM MODELS on page 36. - Added Chapter 5 - REVISIONS on page 44. 	FV	