
维修手册

SERVICE MANUAL

型号**MODEL:**

CH77BF_(YL-CF6601H)

V0_2019.3.18



WARNING

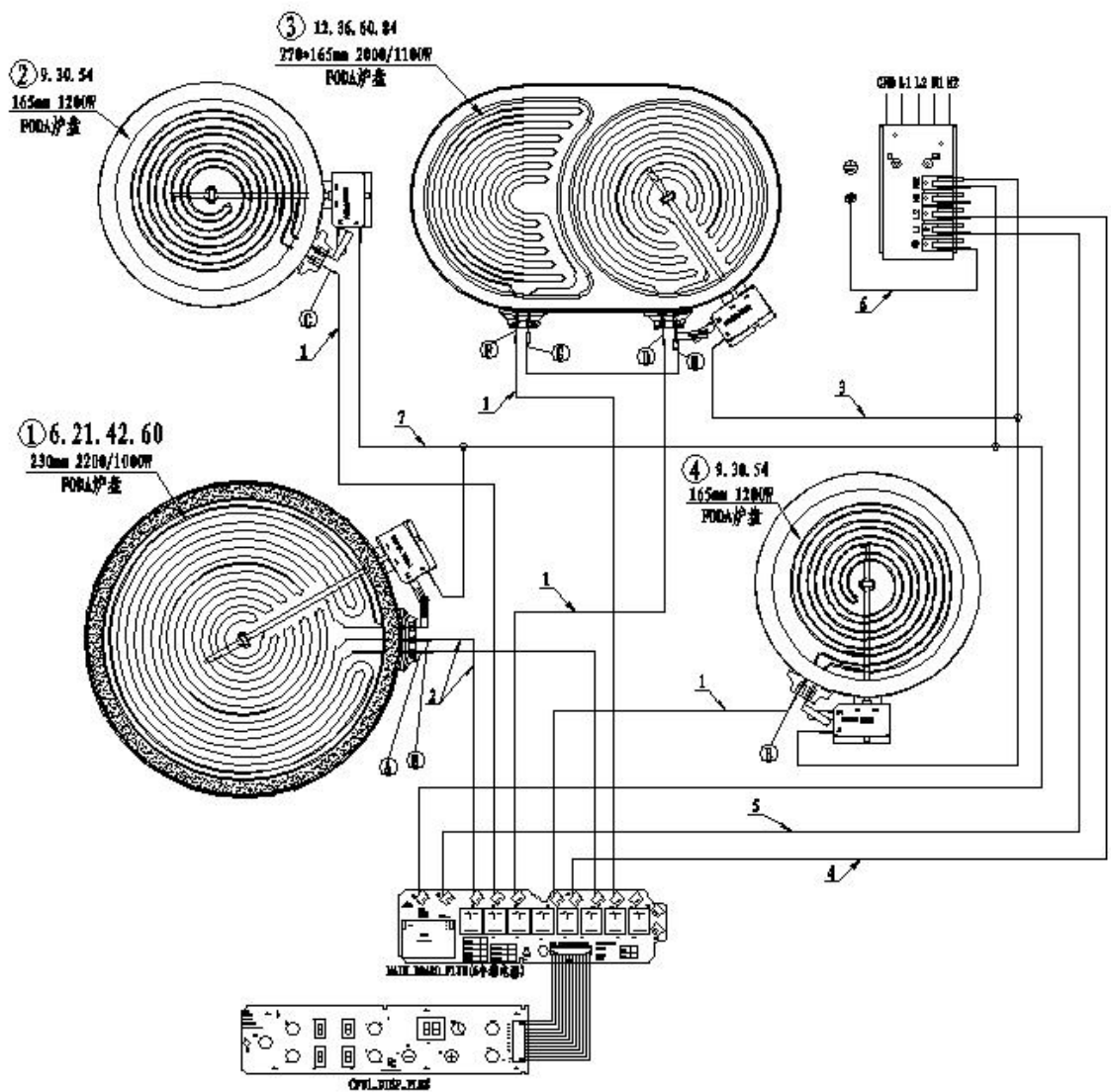
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings and cautions to advise non-technical individuals of potential dangers in attempting to service a product. Product powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Chapter 1 Specifications规格

产品类型 Product Type	嵌入式电陶炉 Built-in Ceramic Hob
产品型号 Model No.	CH77BF
控制方式 Control mode	Touch Control
电压/频率 Voltage/ Frequency	220-240V~ 50-60Hz
总功率 Total power	Max.6600w
左前方炉头功率/尺寸 Front Left zone Power/Size	2200(1000)W/230/138mm
左后方炉头功率/尺寸 Rear Left zone Power/Size	1200W/165mm
右后方炉头功率/尺寸 Rear Right zone Power/Size	2000(1100)/270/165mm
右前方功率/尺寸 Rear Right zone Power/Size	1200W/165mm
功能 Function	
档位 Power stage setting	9 档 levels
定时 Timer	99 分钟 mins
自动安全关闭 Auto switch off safety	是 Yes
童锁 Child lock	是 Yes
余热指示 Residual heat indicator	是 Yes
暂停 Stop & Go	否 No
双环 Dual Zone	是 Yes
Dimensions & Package	
产品尺寸 Dimension Product (mm)	W770 * D520 * H52
嵌入尺寸 Built-in Size(mm)	W560 * D490
包装尺寸 Dimension Package (mm)	W880 * D635* H115
装柜量 20'/40' / 40'HC Quantity (piece)	361/741/858
电源线 Power Cable	1.2m
认证状态 Certificate status	CE/SAA/GS available

Chapter 2 Circuit diagram接线

2-1 Brief principle diagram接线图



内部线清单

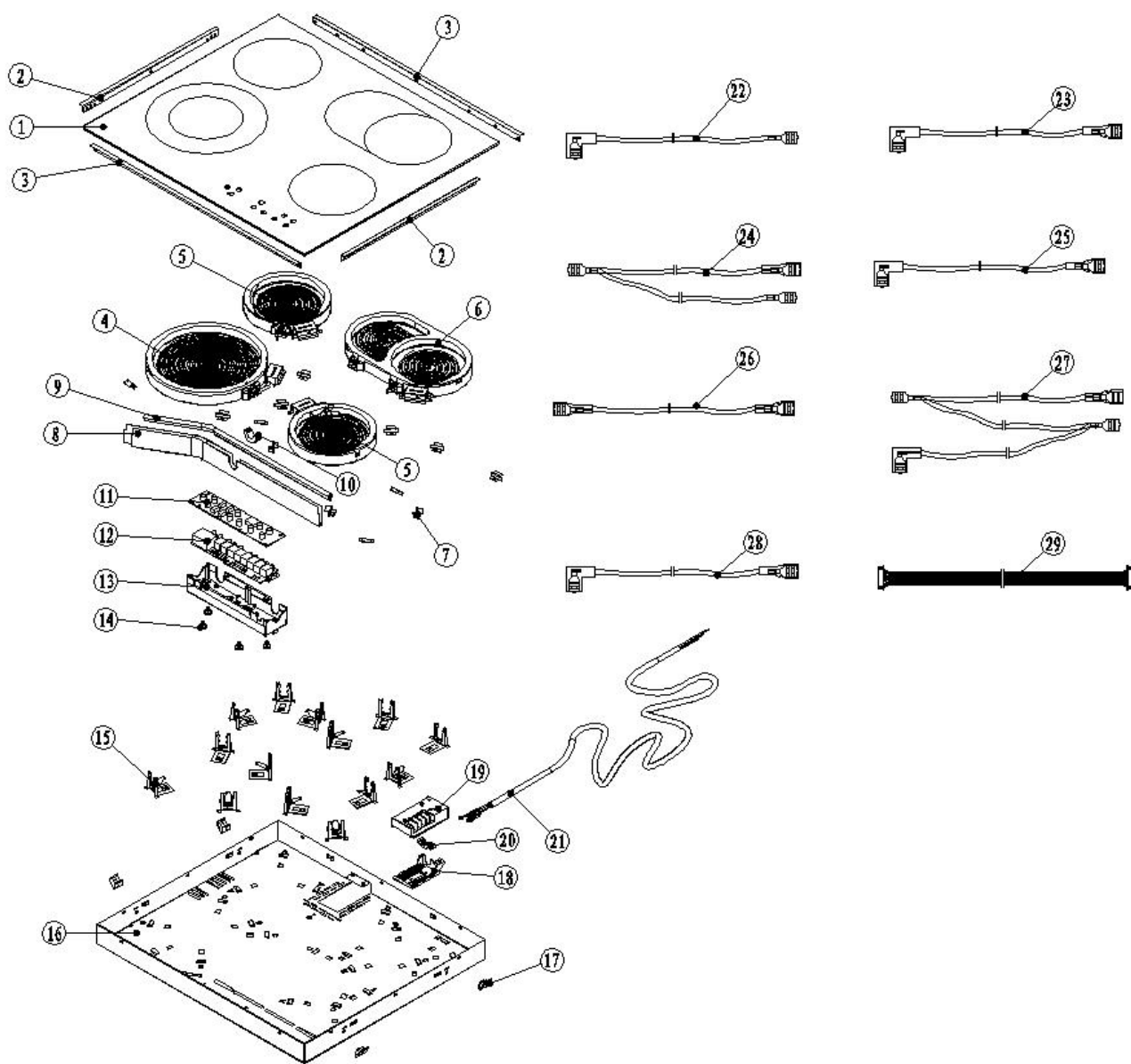
序号	物料编码	用量	规格	图号
1	1140024	4	AWG16*600mm (red wire)	DT0156
2	1140033	2	AWG16*340mm (black wire)	DT0183
3	1140016	1	AWG16*470/290mm (black wire)	DT0097
4	1140089	1	AWG16*800mm (red wire)	DT0208
5	1140198	1	AWG16*455mm (red wire)	IW0057
6	1140364	1	AWG16*120mm (yellow/green earth wire)	DT0260
7	1140367	1	AWG16*300/300/500mm (blue wire)	DT0262

2-2 Main control PCB diagram主要电路板接线

Loads No.	Symb	Load Name (connecting relevant electrical parts)
N2 terminal of terminal box/接线盒N2端		Sensor of left rear heating element connect with the sensor of left front heating element and N terminal of power board. 左上炉盘温控器和左下炉盘温控器和主板N端连接
L1 terminal of power board主板L1端		L1 terminal of terminal box 接线盒L1端连接
1# of Power board /主板1#		A terminal of the left front heating element/ 左下炉盘A端连接
2# of power board /主板2#		C terminal of the left rear heating element/左上炉盘C端连接
3# of power board /主板3#		D terminal of the right rear heating element/ 右上炉盘D端连接
4# of power board /主板4#		E terminal of the right front heating element/右下炉盘E端连接
L2 terminal of power board / 主板L2		L2 of terminal box/接线盒L2连接
5# of power board /主板5#		B terminal of the left front heating element/左下炉盘B端连接
6# of power board /主板6#		F terminal of the right rear heating element/右上炉盘F端连接
N2 of terminal box 接线盒N2		The sensor of the right rear heating element and the sensor of the right front heating element/右上炉盘温控器和右下炉盘温控器端连接
G terminal of right rear heating element 右上炉盘G端		H terminal of the right rear heating element /右上炉盘H端连接
Earth terminal of terminal box/接线盒地线端		Earth terminal of the bottom case/底壳地线端连接

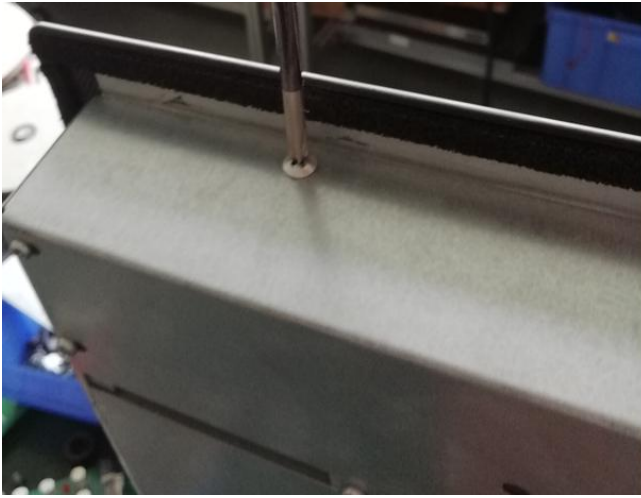
Chapter 3 Spare Parts List and Exploded Views 零部件清单和爆炸图

A	B	C	D	E	F
1	主要零部件物料清单				
2	工厂型号: YL-CF6601HP; 客户型号: ; 客户名称: TLN; 国家: ; 更新日期: 2019.03.19.				
3	分解图图号: CF6601HP-FJ-01; BOM编号: ; 编制: 李逸; 校对: 吕志豪; 备注: FODA炉盘				
4	序号 NO.	物料编码 code	名称 Part Name	数量 Qty.	材料/规格 Material/Specifications
5	1		Glass Plate 玻璃板	1	590*520mm T4.0
6	2	1220004	Left-Right Glass Plate Metal Fixer 左右玻璃支架	2	T0.8 SGOC
7	3	1220003	Front-Rear Glass Plate Metal Fixer 前后玻璃支架	2	T0.8 SGOC
8	4	1080028	Hob Component 炉盘	1	D230mm;230V 2200/1000W
9	5	1080023	Hob Component 炉盘	2	D165mm;230V 1200W
10	6	1080027	Hob Component 炉盘	1	D270*165mm;230V 2000/1100W
11	7	1220008	Hob Fixing Bracket 炉盘固定支架	13	T1.0 SGOC
12	8	1220025	Heat Insulation Bracket 隔热支架	1	T0.8 SGOC
13	9	1190031	Silicone Heat Insulation Strip 硅胶隔热条	1	Si
14	10	1190089	U-shaped Silicone Sealing Ring U型硅胶密封圈	1	Si
15	11	1040110	Display Board 显示板	1	CF01_PLUS
16	12	1020095	Power Board 主控板	1	MAIN_BOARD_PLUS
17	13	1170063	Power Board Plastic Holder 主控板固定盒	1	FRPP
18	14	1190099	Elastic rubber 弹性胶粒	4	Si
19	15	1220064	Spring Bracket 弹簧支架	13	T0.4 SUS301 1/2H
20	16	1200090	Bottom Case 底壳	1	T0.8 SGOC
21	17	1220024	Fixing kit 底壳固定支架	4	
22	18	1180001	Junction Box Cover 接线盒上盖	1	PA66+30%GF
23	19	1180002	Junction Box Base 接线盒底座	1	PA66+30%GF
24	20	1180003	Pressing Line Plate 接线盒压板	1	PA66+30%GF
25	21	1110110	Power Cable 电源线	1	H05SS-F/5G1.5mm²*1.2m
26	22	1140024	Connecting wire 内部连接线	4	AWG16*600mm(red wire)
27	23	1140033	Connecting wire 内部连接线	2	AWG16*340mm(black wire)
28	24	1140016	Connecting wire 内部连接线	1	AWG16*470/290mm(black wire)
29	25	1140198	Connecting wire 内部连接线	1	AWG16*455mm(red wire)
30	26	1140364	Connecting wire 内部连接线	1	AWG16*120mm(yellow green earth wire)
31	27	1140367	Connecting wire 内部连接线	1	AWG16*300/300*500mm(blue wire)
32	28	1140089	Connecting wire 内部连接线	1	AWG16*800mm(red wire)
33	29	1290048	PCB connection cable 对插排线	1	11P 26AWG E332441 AWM 2651; L=150mm

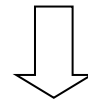


Chapter 4 拆卸Disassembly

4-1 拆卸晶板Disassembly of the glass plate



4-1-1 拆掉固定在晶板上的螺钉/Remove the screws from the glass

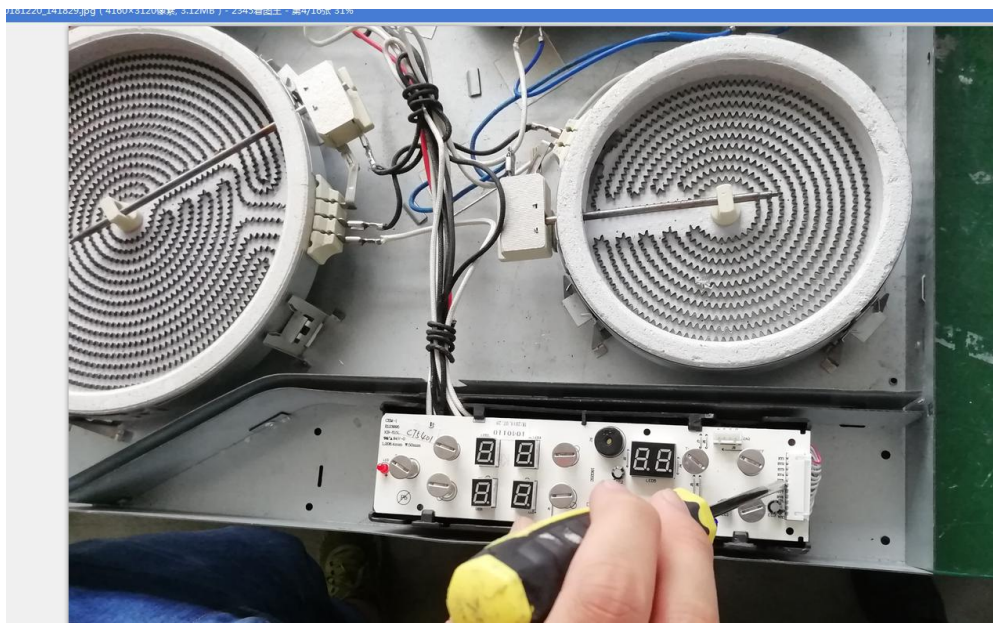


4-2 拆卸炉盘 Disassembly of the heating elements



4-2-1 用钳子移开炉盘的固定支架，拿出炉盘/Use a plier to move the fixing bracket of heating element and take the heating element out.

4-3 拆卸显示板 Disassembly of the Display Board

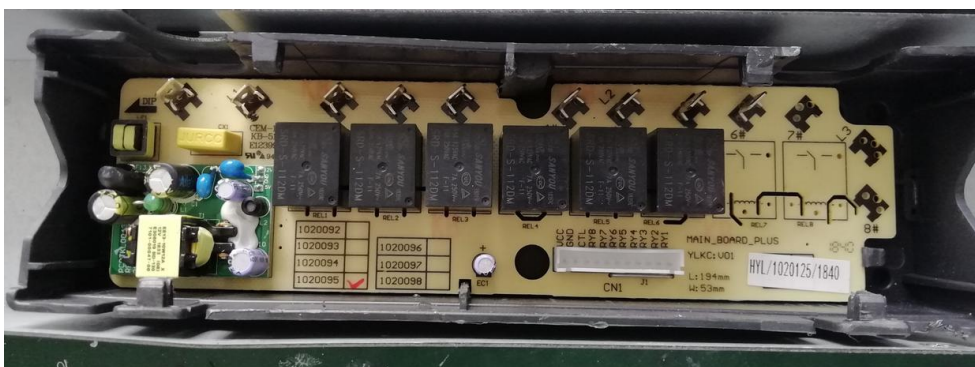


4-3-1 拔出固定在显示板上的排线/ Take off the connection cable that fixed on display board.



4-3-2 搬开弹性扣取出显示板 Move from the display board holder and take out the display board.

4-4 拆卸主板 Disassembly of Power Board



4-4-1 拆掉显示板后，拆掉固定在主板上的连接线和排线/ After removing the display board, take off the connecting wires and connection cable that fixed on power board.



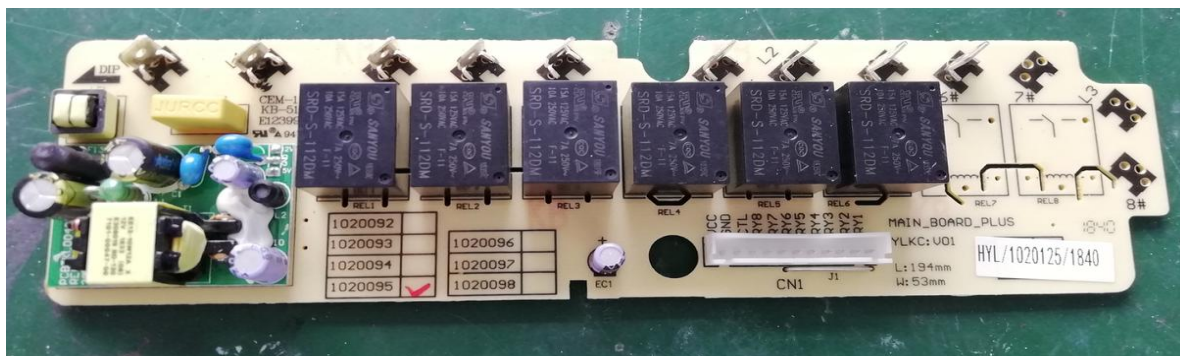


Chapter 5 错误代码Error Code

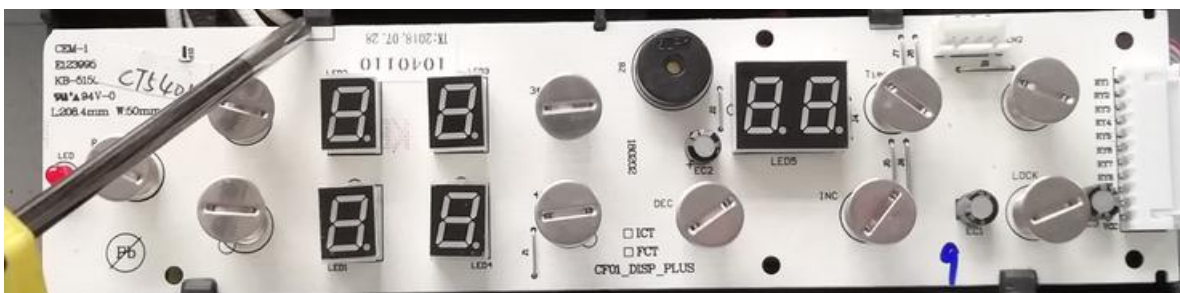
没有预设错误代码/There's no error code preset.

Chapter 6 电路板图PCBA Overviews

主板Power Board



显示板 Display Board



Chapter 7 问题分析Trouble shooting

Problem 问题	Possible causes 可能造成的原因	What to do 怎么办
The ceramic hob cannot be turned on. 电陶炉不能打开	No power 没有电	Make sure the ceramic hob is connected to the power supply and that it is switched on. Check whether there is a power outage in your home or area. 确保电陶炉已经接好电和确保已经开机了，检查家里或者使用机器所在区域是否供电正常。
	Power board is broken 主板损坏	Check whether the output voltage of the power supply module is normal (5V/12V). If it is abnormal, please replace the power supply motherboard. 检测电源小模块输出电压是否正常（5V/12V），如果是坏的，请更换电源主板。
	<Power board> and <Display board> connection cable is broken 连接主板和显示板的连接线损坏	Check the appearance of the cable, if it is broken, please replace the cable. 检查下连接线的外观，如果坏了，请更换连接线。
	Display board is broken 显示板损坏	Use multimeter to test 5V of display board, if it's ok, please replace the display board. 用万用表测试显示板 5V，如果 ok，请更换显示板。
	Connecting wires are not well connected 连接线没有固定好	Please check all the internal connecting wires are well connected. 检查所有内部连接线看是否已连接好。
Some of cooking zones can not work/ 某些炉头不能工作	Heating element is broken 炉盘坏了	Check if the heating wire is broken, if it is broken, please replace the heating element. 检查炉盘是否坏了，如果坏了请更换新的炉盘。
	The connecting wires is not well connected or broken 连接线没有固定好	Check if the connecting wires are well connected or broken, if yes, please replace the connecting wire. 检查连接线是否已经连接好或者损坏，如果是，请更换连接线。
	Power board is broken 主板损坏	Check whether the output voltage of the power supply module is lower than 4.5v or listen to the relay without sound absorption. If so, please replace the power supply board. 检测电源小模块输出电压是否小于 4.5V 或者如果听到继电器没有吸合的声音，请更换主板。）
	Display board is broken 显示板损坏	Please replace the display board. 请更换显示板。
The touch controls are unresponsive. 触控无反应	The controls are locked 显示板已被锁了（童锁键在激活状态）	Unlock the controls. See section 'Using your cooktop' for instructions. 长按童锁键解锁。参考说明书上的使用说明。
	Display board doesn't assemble well. 显示板没有装配好	Re-assemble the display board. 重新装好显示板
	Display board is broken 显示板损坏	Please replace the display board. 请更换显示板
LED is broken/ LED 损坏	LED is broken LED 损坏	Test the LED pins, if it is broken, please replace the display board. 测试数码管引脚，如果损坏，请更换显示板
	The chip of TM1668 is broken TM1668 芯片损坏	Test the SEGs/COMs Pins of the chip, if it is broken, please replace the display board. 测试芯片的引脚，如果损坏，请更换显示板
	The connection electric circuit of the LED for display board is broken. 显示板的数码管连接电路通讯失效	Test the connection electric circuit, if it is broken, please replace the display board. 测试连接电路，如果失效，请更换显示板。
The glass is broken/ 晶板损坏		Change with new glass. 换新的晶板

End