

Service
Service
Service

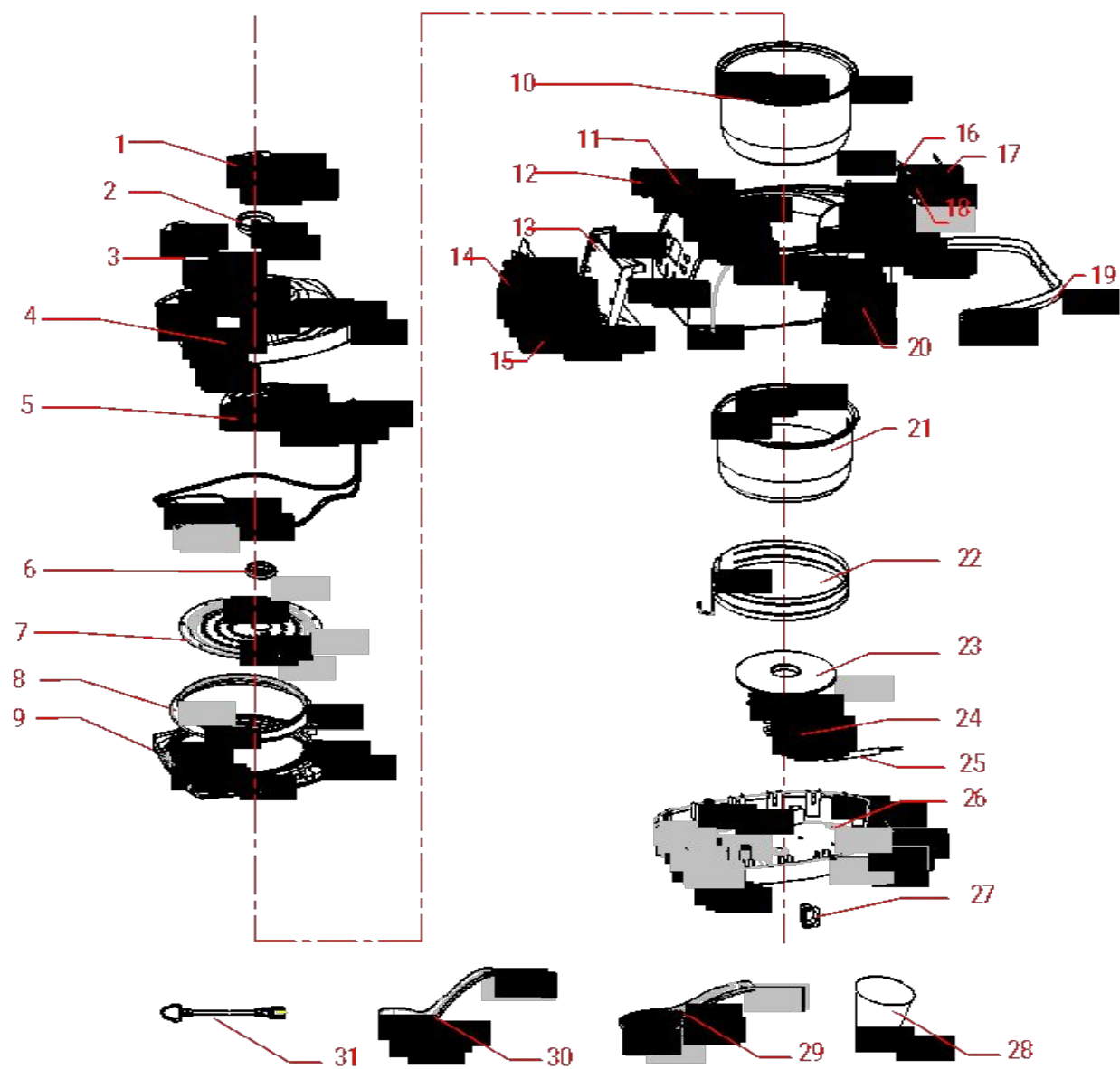
HD3036
HD3037
HD3077
HD3033
HD3039

Philips Consumer Lifestyle

Service Manual



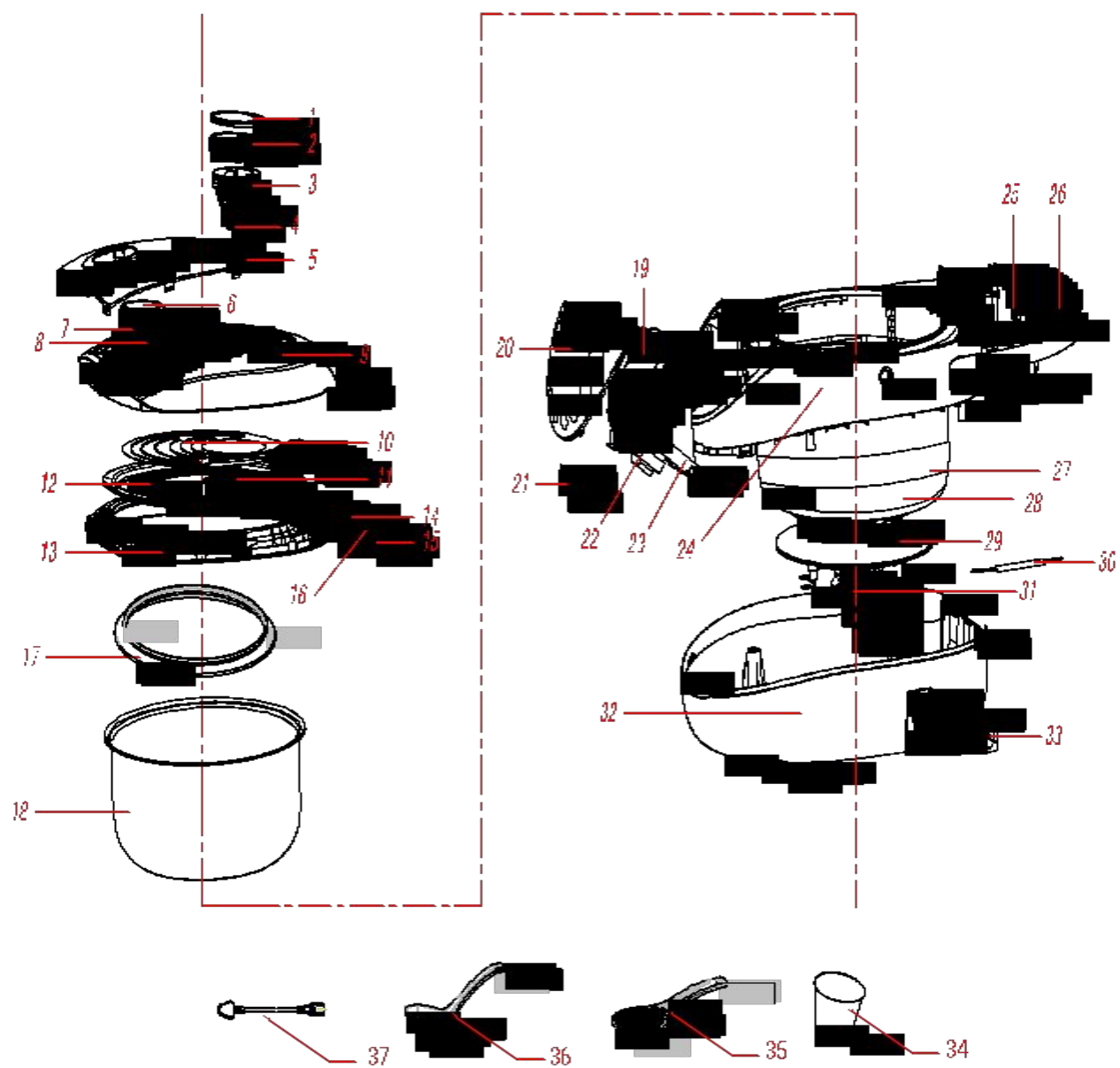
HD3033 Exploding View



Part List for HD3033/00

Ref No	12NC	Description	PCM
01	996510057914	STEAM VALVE COVER	620202110174
02	996510057911	STEAM VALVE BASE	620202110173
03	996510057929	STEAM VALVE PLATE	620202100088
04	996510057919	TOP COVER	620202050171
05	996510057928	TOP HEATING ASY.	610201520001
06	996510057933	STEAM VALVE SEAL RING	610206010039
07	996510057917	KEEP WARM BOARD	620203020016
08	996510050193	SEALING FOR INNER PAN	610206010011
09	996510057932	INNER COVER	620202050170
10	996510057922	INNER POT	620203030352
11	996510057931	KEY PRESS SPRING	610204020019
12	996510057941	KEY PRESS	610203010029
13	996510057921	PCB HOLDER	620202100034
14	996510057909	PCB	610201510047
15	996510057926	POWER BOARD	610201510046
16	996510057912	SPRING (RIGHT)	610204020026
17	996510057923	AXLE	610204020016
18	996510057915	SPRING (LEFT)	610204020027
19	996510057934	HANDLE	620202140065
20	996510050199	OUTER PAN (HD3035)	620203030036
21	996510057936	OUTER SHELL	620202120097
22	996510057913	SIDE HEATING ASY.	610201540001
23	996510050205	HEATING ELEMENT MODULE	620201030011
24	996510057924	MAIN THERMOSTAT ASY.	610201560006
25	996510057935	THERMOSTAT CONTROL ASY	620201520010
26	996510057918	BASE	620202110189
27	996510057849	SOCKET	610201570004
28	996510051778	MEASURE CUP	620202070021
29	996510051777	RICE SPOON	620202070020
30	996510051789	SOAP SPOON	620202080007
31	996510057916	CABLE	610201530012
32	996510057925	DFU	610205510240
33	996510057937	FANCY BOX	610202510251
34	996510057927	QSG	610205510256
35	996510058358	SILICON GLOVES	610207900029

HD3039 Exploding View



Part List for HD3039

Ref No	12NC	Description	PCM
01	996510057957	STEAM VALVE PLATE	620203900013
02	996510057962	STEAM VALVE COVER	620202110176
03	996510057969	STEAM VALVE BASE	620202110175
04	996510057154	STEAM RETURN VALVE	610206900002
05	996510057973	TOP COVER ORNAMENT	620202100026
06	996510057958	KEY PRESS COVER	620202010023
07	996510057968	KEY PRESS HOLDER	620202100025
08	996510051782	SPRING OF BUTTON	610204020001
09	996510057977	TOP COVER	620202050172
10	996510057928	TOP HEATING ASY.	610201520001
11	996510057165	SEALING FOR STEAM VALVE	610206010055
12	996510057967	KEEP WARM BOARD	620203020013
13	996510057974	INNER COVER	620202050173
14	996510050202	SPRING OF GEMEL	610204020013
15	996510057862	GEMEL SPRING LEFT	610204020014
16	996510050197	AXLE OF GEMEL	610204020015
17	996510050193	SEALING FOR INNER PAN	610206010011
18	996510057976	INNER POT	620203030357
19	996510057964	PCB	610201510040
20	996510057956	IMD	610203010096
21	996510057978	FRONT ORNAMENT	610203010006
22	996510057965	POWER BOARD	610201510010
23	996510057959	PCB HOLDER	620202100011
24	996510057975	OUTER SHELL	620202120098
25	996510057966	AXLE COVER (BACK)	620202060033
26	996510057963	HANDLE	620202140066
27	996510057913	SIDE HEATING ASY.	610201540001
28	996510050199	OUTER PAN (HD3035)	620203030036
29	996510050205	HEATING ELEMENT MODULE	620201030011
30	996510057935	THERMOSTAT CONTROL ASY	620201520010
31	996510057924	MAIN THERMOSTAT ASY.	610201560006
32	996510057955	BASE	620202110177
33	996510057849	SOCKET	610201570004
34	996510051778	MEASURE CUP	620202070021
35	996510051777	RICE SPOON	620202070020
36	996510051789	SOAP SPOON	620202080007
37	996510057916	CABLE	610201530012
38	996510057961	F-BOX	610202510254
39	996510057972	QSG	610205510244
40	996510057971	DFU	610205510245
41	996510058358	SILICON GLOVES	610207900029

Part List for HD3036

Ref No	12NC	Description	PCM
01	996510050233	DECO RING OF STRAM VALVE	620202900098
02	996510050227	COVER FOR STEAM VALVE	620202110157
03	996510050194	BASE FOR STEAM VALVE	620202110159
04	996510057861	STEAM VALVE SEAL RING	610206010073
05	996510050196	TOP COVER	620202050151
06	996510058117	TOP HEATER ASSEMBLY	610201540030
07	996510057868	WARM KEEPING BOARD	620203020061
08	996510050193	SEALING FOR INNER PAN	610206010011
09	996510050206	COVER OF INNER PAN	620202050152
10	996510057922	INNER POT	620203030352
11	996510058372	CONTROL PANNEL	610203010093
12	996510058368	DISPLAY BOARD HOLDER STICKER	610205540350
13	996510058374	CONTROL BOARD ASSEMBLY	610201510097
14	996510050226	BRACKET OF CONTROL MODULE	620202100123
15	996510058371	POWER BOARD ASSEMBLY	610201510041
16	996510050209	DECO COVER OF BUTTON	620202010098
17	996510050214	BUTTON FOR OPENING COVER	620202010097
18	996510050223	SPRING OF BUTTON	610204020071
19	996510050197	AXLE OF GEMEL	610204020015
20	996510050202	SPRING OF GEMEL	610204020013
21	996510057862	GEMEL SPRING LEFT	610204020014
22	996510050212	COVER FOR GEMEL	620202060029
23	996510050222	COVER FOR HOUSE	620202120084
24	996510050204	HANDLE	620202140049
25	996510058107	HEATING ELEMENT ASSEMBLY	620201530021
26	996510050199	OUTER PAN (HD3035)	620203030036
27	996510057913	SIDE HEATING ASY.	610201540001
28	996510058359	TEMPERATURE LIMIT ASSEMBLY	620201520019
29	996510058362	MAIN THERMOSTAT ASSEMBLY	620201520008
30	996510058376	OUTER SHELL	620203040142
31	996510050218	HOUSE BASE	620202110158
32	996510057849	SOCKET	610201570004
33	996510051778	MEASURE CUP	620202070021
34	996510051777	RICE SPOON	620202070020
35	996510051789	SOAP SPOON	620202080007
36	996510057916	CABLE	610201530012
37	996510056506	FOOD STEAMER	620202090017
38	996510058367	DFU	610205510104
39	996510058377	F-BOX	610202510253
40	996510058375	OUTER CARTON	610202520260
41	996510058358	SILICON GLOVES	610207900029

Part List for HD3037

Ref No	12NC	Description	PCM
01	996510050233	DECO RING OF STRAM VALVE	620202900098
02	996510050227	COVER FOR STEAM VALVE	620202110157
03	996510050194	BASE FOR STEAM VALVE	620202110159
04	996510057861	STEAM VALVE SEAL RING	610206010073
05	996510050196	TOP COVER	620202050151
06	996510058117	TOP HEATER ASSEMBLY	610201540030
07	996510057868	WARM KEEPING BOARD	620203020061
08	996510050193	SEALING FOR INNER PAN	610206010011
09	996510050206	COVER OF INNER PAN	620202050152
10	996510057869	INNER PAN	620203030350
11	996510058372	CONTROL PANNEL	610203010093
12	996510058368	DISPLAY BOARD HOLDER STICKER	610205540350
13	996510058374	CONTROL BOARD ASSEMBLY	610201510097
14	996510050226	BRACKET OF CONTROL MODULE	620202100123
15	996510058371	POWER BOARD ASSEMBLY	610201510041
16	996510050209	DECO COVER OF BUTTON	620202010098
17	996510050214	BUTTON FOR OPENING COVER	620202010097
18	996510050223	SPRING OF BUTTON	610204020071
19	996510050197	AXLE OF GEMEL	610204020015
20	996510050202	SPRING OF GEMEL	610204020013
21	996510057862	GEMEL SPRING LEFT	610204020014
22	996510050212	COVER FOR GEMEL	620202060029
23	996510050222	COVER FOR HOUSE	620202120084
24	996510050204	HANDLE	620202140049
25	996510058107	HEATING ELEMENT ASSEMBLY	620201530021
26	996510050229	OUTER PAN (HD3038)	620203030250
27	996510057913	SIDE HEATING ASY.	610201540001
28	996510058359	TEMPERATURE LIMIT ASSEMBLY	620201520019
29	996510058362	MAIN THERMOSTAT ASSEMBLY	620201520008
30	996510057867	HOUSE	620203040141
31	996510050218	HOUSE BASE	620202110158
32	996510057849	SOCKET	610201570004
33	996510051778	MEASURE CUP	620202070021
34	996510051777	RICE SPOON	620202070020
35	996510051789	SOAP SPOON	620202080007
36	996510057916	CABLE	610201530012
37	996510056506	FOOD STEAMER	620202090017
38	996510058367	DFU	610205510104
39	996510058373	F-BOX	610202510252
40	996510058369	OUTER CARTON	610202520259
41	996510058358	SILICON GLOVES	610207900029

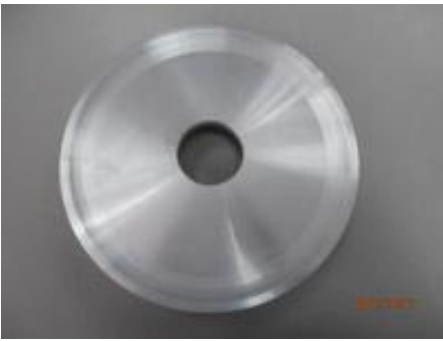
HD3077 Exploding View



Part List for HD3077

Ref No	12NC	Description	PCM
01	996510052508	TOP COVER	620202050144
02	996510052509	COVER OF INNER PAN	620202050143
03	996510052493	TOP HEATING ELEMENT ASSY	610201020016
04	996510052501	PANEL FOR KEEPING WARM	620203020060
05	996510052504	STEAM VALVE	620202110156
06	996510052505	SEALING FOR STEAM VALVE	610206010064
07	996510051766	SEAL TO DETECT TEMPERATURE	610206010052
08	996510052495	DISASSEMBLABLE COVER	620203060058
09	996510051785	SEAL FOR INNER PAN	610206010042
10	996510057853	DETACHABLE INNER LID HOLDER	620202100191
11	996510057836	INNER PAN	620203030355
12	996510058363	CONTROL PANNEL	610203010095
13	996510057847	HOUSE SHELL	620202120081
14	996510058365	CONTROL BOARD ASSEMBLY	610201510100
15	996510052502	BRACKET OF CONTROL MODULE	620202100170
16	996510057856	PCB BOARD ASSEMBLY	610201510099
17	996510057171	BUTTON FOR OPENING COVER	620202010121
18	996510057841	SPRING OF BUTTON FOR OPENING COVER	610204020096
19	996510052492	AXLE OF GEMEL	610204020079
20	996510057855	GEMEL SPRING RIGHT	610204020107
21	996510057838	GEMEL SPRING LEFT	610204020108
22	996510052498	COVER FOR GEMEL	620202060028
23	996510052499	HANDLE	620202140044
24	996510052512	HEATING ELEMENT MODULE	610201040049
25	996510050229	OUTER PAN (HD3038)	620203030250
26	996510057913	SIDE HEATING ASY.	610201540001
27	996510058359	TEMPERATURE LIMIT ASSEMBLY	620201520019
28	996510058362	MAIN THERMOSTAT ASSEMBLY	620201520008
29	996510052503	HOUSE	620203040176
30	996510052511	HOUSE BASE	620202110155
31	996510057849	SOCKET	610201570004
32	996510051778	MEASURE CUP	620202070021
33	996510051777	RICE SPOON	620202070020
34	996510051789	SOAP SPOON	620202080007
35	996510057916	CABLE	610201530012
36	996510056506	FOOD STEAMER	620202090017
37	996510058366	DFU	610205510029
38	996510058361	F-BOX	610202510250
39	996510058364	OUTER CARTON	610202520257
40	996510058358	SILICON GLOVES	610207900029

Description of Main Parts

Heating Elements		
Name	Picture	Functions
1.Heating Element		To heat the inner pot by making it closely contacted with the aluminum plate in which a electric heating tube coil is placed; Power of the heating plate will influence the heating speed of rice cooker; Distortion of the heating element will influence the heating speed and effects of rice cooker.
Temperature Control Element		
2.MAIN THERMOSTAT (NTC)		Applying the anti-temp. Character of temperature sensitive resistance of which the value will decreases when the temperature rises.
Circuit Protection Element		
1.Temperature Limited Assembly		It is an over-temperature protection device which functions to avoid dangers caused by the over high temperature if the cooker is working abnormally. It protects the cooker by automatically fusing when the temperature rises to a certain point and it is not resettable.

Disassembling Procedures :

1、 Remove the steam valve



2、 Separate the steam vane cover from steam valve base



3、 Remove the 4 screws fixed on the house base with a screw-driver



4、 Separate the house base and house cover



5、 Remove the socket from the house base



6、 Remove the terminal of the top sensor



Disassembling Procedures :

7、 Remove the screw on the connecting part which is used for fixing house base



8、 Separate the connection part from house base



9、 Remove the top cover assembly



10、 To separate the top cover and inner cover by inserting the front part of a spatula into the gap between them.



11、 Remove the top cover



12、 Remove the pressing board from the warm keeping board



Disassembling Procedures :

13、Remove the screws used for fixing warm keeping board



14、Separate inner lid, seal ring from warm keeping board



15、Pull out the wiring terminal of socket



16、Remove the wiring terminal of PCB board



17、Clamp the terminal of heating element with pliers and remove the screws used for wiring.



18、Remove screws used for fixing main thermostat with a screw driver, then remove the main thermostat



Disassembling Procedures :

19、Remove the screws used for fixing heating element on outer pot, then remove the heating element



20、Remove the screws used for fixing PCB board holder



21、Pull out the wirings on display PCB board



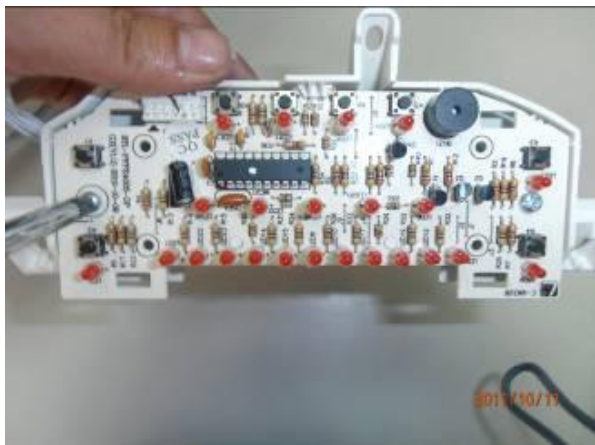
22、Remove the screws used for fixing the PCB board



23、Remove the control PCB board holder



24、Remove the screws used for fixing control PCB board



Disassembling Procedures :

25、Pry the bump on the outer pot with a screw-driver



26、Rotate the outer pot with hands



27、Push against the outer shell with hands



28、Remove the outer shell



29、Separate the buckling part of control board from outer shell



30、Remove the top cover



Troubleshooting

Fault	Reasons	Solution
The cooker doesn't work	1.No power supply is outputted from the socket	Check the power supply of the socket by having another appliance connected
	2.Power cord being open circuit	Check the power cord by replacing it with the a same one
	3.The plug isn't fully connected	Insert the plug completely to ensure a fully connecting
	4.The corresponding function button is not pressed	Choose the function ,then press start button
	5. Thermostat assembly fuses	Replace the thermostat assembly
	6.Heating element damages	Replace heating element and related assembly
	7.Bottom sensor being open circuit	Replace bottom sensor
	8.Bottom sensor being short circuit	Replace bottom sensor
	9.Temperature of bottom sensor exceeds	It is suggested to replace the PCB board if it is stilled shown over temp. even the inner pot is closely contacted with the heating element
	10.Top sensor being open circuit	Replace top sensor
	11.Top sensor being short circuit	Replace top sensor
Underdone cooking	1.Rice and water are not cooked with the right proportion	Cook with right rice & water proportion referring to the instruction manual
	2.Rice is not fully simmered	Have the rice simmered according to the guide in instruction manual (It is better to have rice simmered for 10 more minutes when the cooker enters warm keeping state.

Troubleshooting

Fault	Reasons	Solution
Underdone cooking	3.The top cover is open frequently during simmering	To cook following the instruction manual.
	4.Inner pot is not well positioned.	Move the inner pot around to ensure a well contact between inner pot and heating element
	5.There are foreign objects between heating element and inner pot	Remove the foreign objects between heating element and inner pot
	6.Cook rice with fat	Clean out the fat from rice
	7.Heating element is deformed or unevenly heating	Repalce the heaing element
	8.Bottom of inner pot is deformed or not fully contacted with the heating element	Repair or replace the inner pot
	9.Top heating element malfunctions	Repalce top heating element
	10.Main thermostat malfunctions	Replace main thermostat
	1.PCB board malfunctions	Replace PCB board
	2.Difference in rice quality	Define that whether the burning is caused by a change in rice quality
The rice is burnt	3.Mian hermostat malfunctions	Replace main thermostat
Overbriming of rice/congee	1.Inner pot is overloaded	Cook with right rice & water proportion referring to the instruction manual
	2.Difference in rice quality	Change for another type of rice
	3.Rice isn't well rinsed	Rinse the rice
	4.Top sensor malfunctions	Repalce top sensor
	5.Top sensor is losened	Make the top sensor well fixed

Troubleshooting

Fault	Reasons	Solution
Electricity Leakage	1.Power cord is damaged	Replace the power cord
	2.Water comes into the outer pot	Clean out the water in the outer pot and put the cooker in a ventilative place for over 2 hours
	3.The cooker is operating under a wet circumstance	Improve the operating circumstance
	4.Too much greasy dirt is left inside	Clean out the greasy dirt
	5.Plug earth terminal is not used or the socket is unearthed	Let the cooker be well earthed
	6.Insulativity of the alive components declines or interior wires damage	Check the components by meter at level of R*10M; repair or replace the defected ones
	7.Interior grounding wire loosens	Check the grounding wire to make it well-grounded
After being powered on, all the indicators of the cooker start indicating	1.Top sensor is broken	Replace top sensor assmebly
	2.Main thermostat is broken	Replace main thermostat
	3.The main circuit board flint carbonization	Repalce main board
The socket sparkles when being power on	1.Water or other liquid food flows into the socket	Clean out the water or liquid food in the socket
	2.Plug and socket is oxidated or coming loose	Remove the oxidation or fix the loosen parts with glue
	3.Fus is burnt caused by some other ressons	Trace out the reason and replace with another fuse of the same model
Function button being blocked	Function button on main board or the main board itself are broken	Replace the function button or main board
Water spills when cooked with small portion rice	Cook with too much water for small portion rice	Cook with right rice & water proportion referring to the instruction manual