

Service Manual

Electronic Warm Jar

SR-DF101

SR-DF181



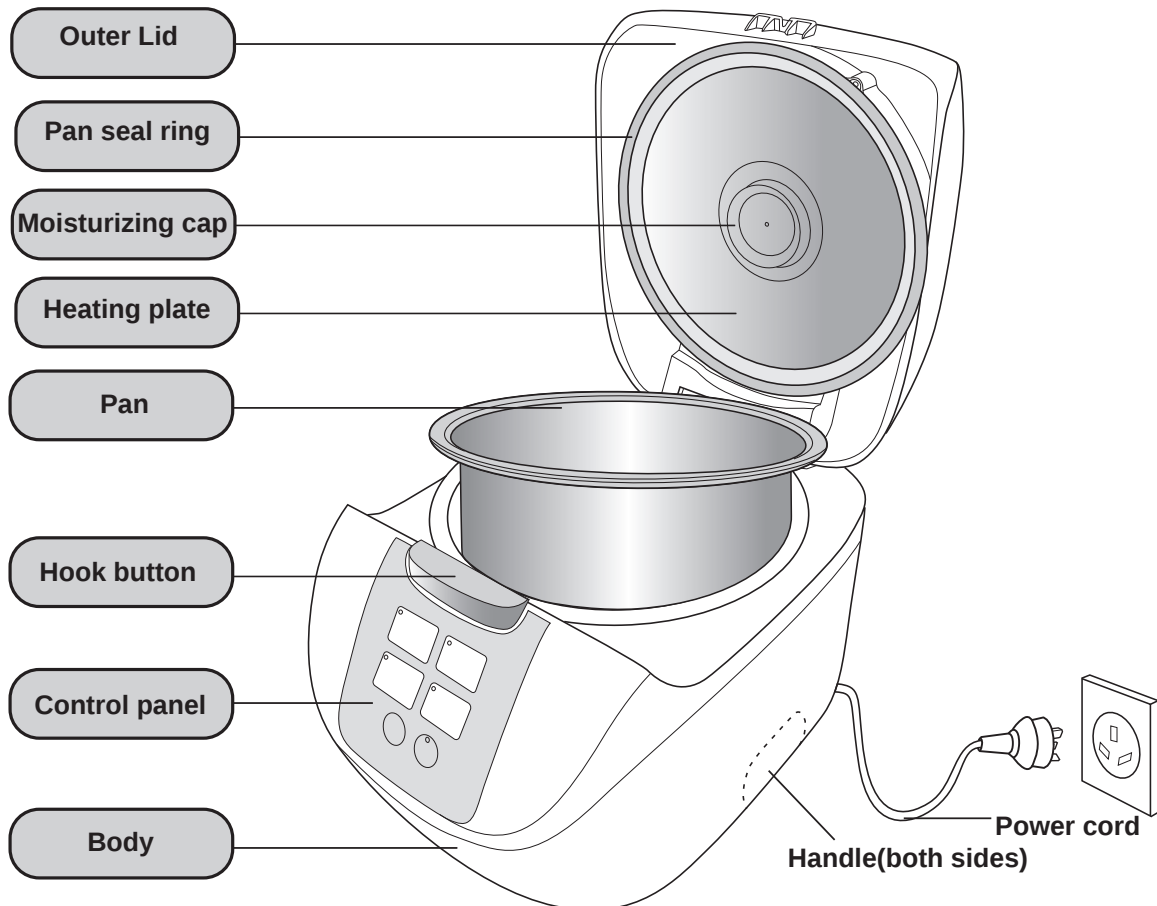
			SR-DF101	SR-DF181
Power supply	TWN		AC 110V/60Hz	
	Latin America,USA		AC 120V/60Hz	
	Brazil		AC 127V/50Hz	
	HongKong,Thailand,Viet Nam,RSU, Peru,Indonesia,Singapore RBD		AC 220V/50Hz	
	India,Singapore DBD		AC 230V/50Hz	
	Malaysia,Oceania		AC 240V/50Hz	
Power consumption	Max.for cooking	HongKong,Malaysia,India, Singapore RBD,Viet Nam, Singapore DBD,Thailand, Oceania,USA,RUS, Latin America,Peru,Brazil	750W	
		TWN,Indonesia	760W	
	Max.for keeping warm	HongKong,Malaysia,India, Singapore RBD,Viet Nam, Singapore DBD,Thailand, Oceania,USA,RUS, Latin America,Peru,Brazil	750W	
		TWN,Indonesia	760W	
Cooking method			Heat directly	
Menu select	HongKong,Malaysia,Singapore RBD, USA, Oceania,Singapore DBD, India, Viet Nam,Thailand,TWN,Indonesia		Quick Cook/Steam,White Rice, Brown Rice,Porridge/Soup	
	Latin America,Peru,Brazil,RSU		Quick Cook/Steam,White Rice,Cake,Porridge/Soup	

Keep Warm temperature	HongKong,Malaysia,India, Singapore RBD, Oceania, USA, Singapore DBD, Viet Nam,RUS, Thailand, TWN,Indonesia	73±4°C	
	TWN,Indonesia	73±4°C	
Rice cooking volume (rice quantify)	White Rice/Quick Cook	0.18L~1.0 L(1~5.5cups)	0.18L~1.8 L(1~10cups) Quick Cook(1~8cups)
	Brown Rice	0.18L~0.54L(1~3cups)	0.18L~1.08L(1~6cups)
	Mixed rice/Glutinous rice	0.18L~0.54L(1~3cups)	0.18L~0.9L(1~5cups)
Porri cooking volume (rice quantify)		0.09L~0.18L(1/2~1cups)	0.09L~0.3.6L(1/2~2cups)
Maximun cooking volume (ingredints+water)for soup		1. 5L※	2.3L※
Cake	Latin America,Peru,Brazil	Max(480g)	Max(480g)
Heat source (Heating part)	HongKong,Malaysia,India, Singapore RBD,Oceania, USA,Singapore DBD, Viet Nam,RSU,Thailand, TWN,Indonesia	Cooking....bottom(cast heater)	
	TWN,Indonesia	Keep Warm....bottom(cast heater),side(warming heater),lid (lid heater)	
Temperature checking	HongKong,Malaysia,India, Singapore RBD,Oceania, USA,Singapore DBD, Viet Nam,RSU,Thailand, TWN,Indonesia	Pan sensor(thermal resistor with negative temperature coefficient)	
	TWN,Indonesia	Pan sensor(thermal resistor with negative temperature coefficient),lid sensor(thermal resistor with negative temperature coefficient)	
Safe equipment		Thermal fuse A 250V 10A 172°C,Thermal fuse B 250V 10A 172°C	
Power cord		Component coupling(the applicabie power cord is about 1.0m lcm	
Dimension		(W)24.5cm ×(L)33.9cm ×(H)19.9cm	(W)24.5cm ×(L)33.9cm ×(H)24.7cm
Weight		2.5kg	2.8kg
Accessory		Measuring cup,rice scoop,steaming	
※It means that the maximum cooking volume for soup is the highest waterline for "PORRIDGE".			
●The power consumption is about 1W when both Cooking and Off mode(room temperature 20°C).			
●If any change occurred to the appearance, wiring or other parts of the warm jar due to property improvement or other reasons,there will be additional notice.			

WARNING

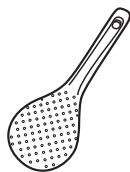
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should 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.

Entire unit



Accessories

Please clean the accessories before using.



Rice scoop (1)



Measuring cup (about 180mL) (1)



Steaming basket (1)

Factory:
HongKong
Malaysia
Singapore



A1		I1	V0 S3	1
A2			S4	2
V0		T01 S5 TR6	S3	3
G S02		X1 S6 TR8		
T01 S06		X2 L1 S00		
L02		R5 L2 FV1		
L3	7	FL1 L3 S02		
L4		FL2 L4 S03		
L5	9	S1 L5		
	10	S2 L6		

電選別 ← + → 選作別
Down Side Control Side

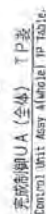
Factory:
India



A1			11	VD	S3	1
A2				G	S4	2
VD				TH1	S5	3
				X1	S6	IR6
		6	S2			
			TH1	S8		
			X2	L1	SNO	
			FS1	L2	SNO	
			FL1	L3	SNO	
			FL2	L4	SNO	
			S1	L5		
			S2	L6		

電源側 ← | → 操作側
Power Side Control Side

Factory:
Thailand
Viet Nam
Singapore RBD
Oceania
Peru



A1	11	VO	S3	1
A2		6	S4	2
VO		TH	S5	3
		X1	S6	
		X2	L1	
		HS	L2	
	7	P1	L3	
		R1	L4	
	9	S1	L5	
	10	S2	L5	

電源側 ← + → 操作側
Power Side Control Side

Factory:
Latin America
Brazil



A1	11	VO	S3	1
A2		G	S4	2
VO		IH1	S5	IRE 3
G	S2	X1	S6	IRE
IHS2		X2	I1	SVO
I2		XS1	I2	SNI
I3	7	FL1	I3	SNE
I4		FL2	I4	SNE
I5	9	S1	I5	
	10	S2	I6	

Control Side Power Side

Factory:
TWN



1	11	VO	S3	TH	1
2	6	S4	TR	2	
3	TH	S5	TR	3	
	X1	S6	TH	6	
	X2	L1	SN		
	RS	L2	SN		
7	R1	L3	SN	2	
	R2	L4	SN		
9	S1	L5			
10	S2	L6			

電源側 ← → 操作側
Power Side Control Side

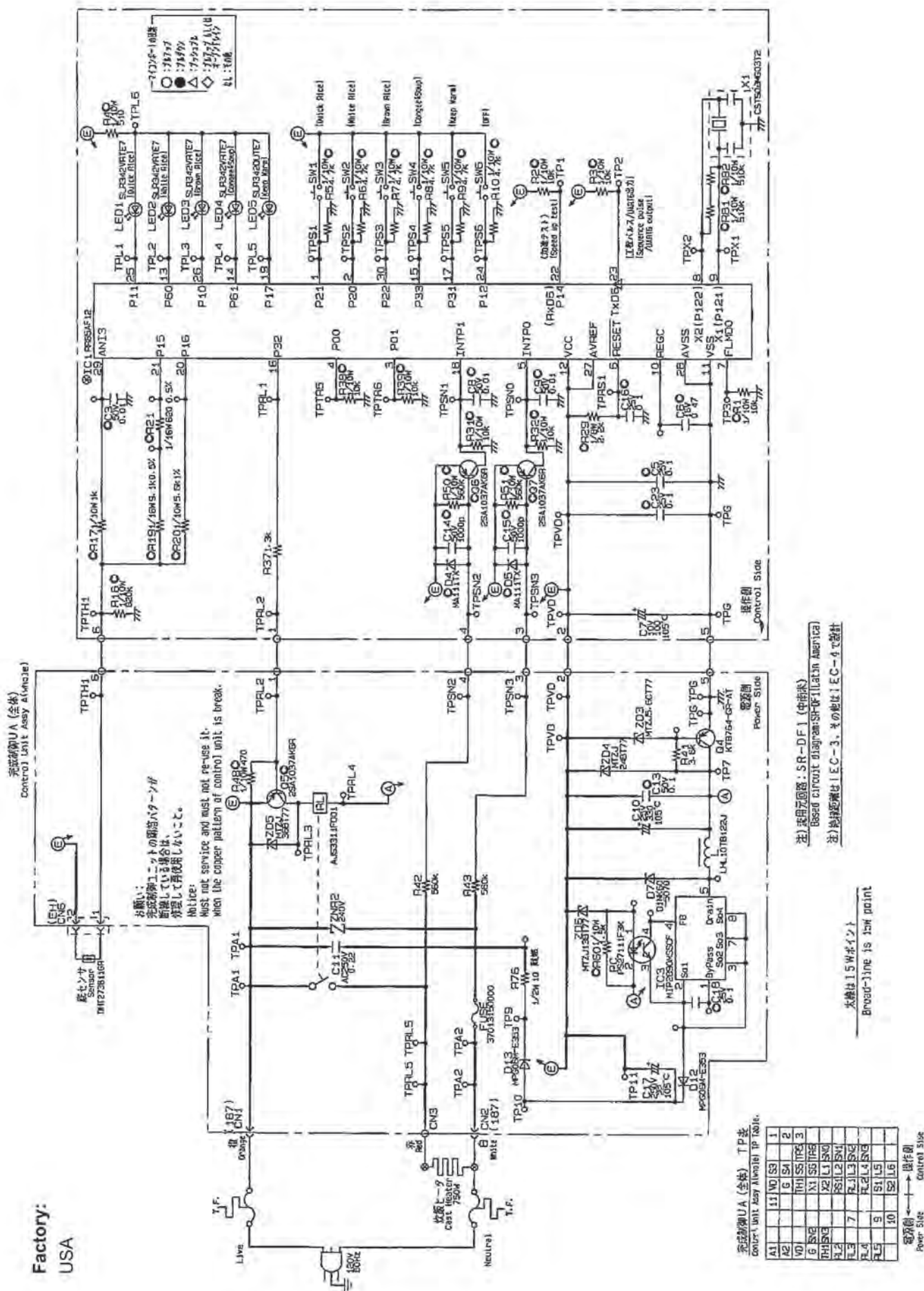
Factory:
Indonesia



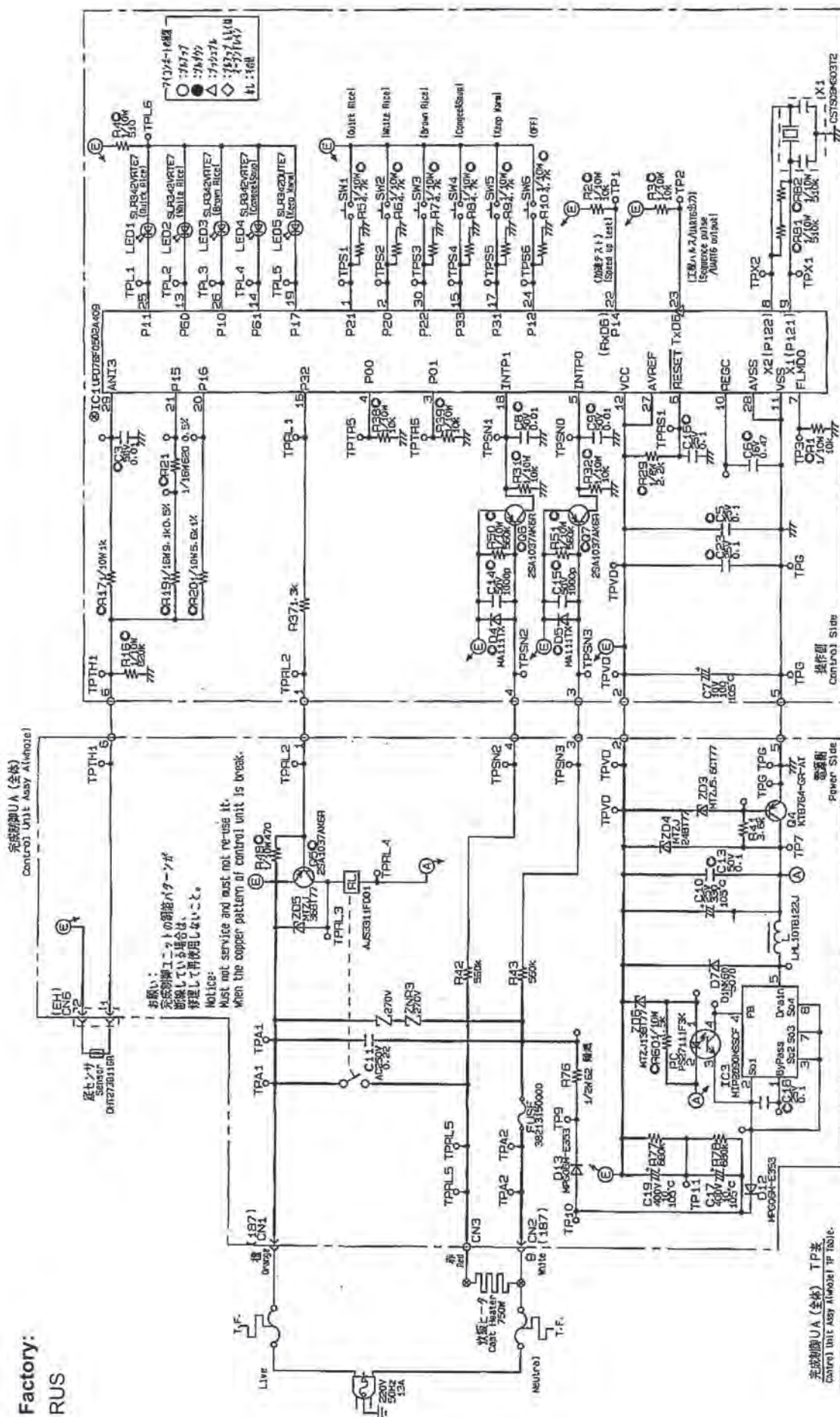
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A2	TP3	6	S4	TP2	2	
VD	TP4	11	S5	TP5	3	
G	S2	X1	S5	TP5		
TH1	S3	X2	L1	SNO		
PL2		RS1	L2	SN1		
PL3	7	PL1	L3	SN2		
PL4		PL2	L4	SN3		
PL5	9	S1	L5			
TP1	10	S2	L6			

電波側 ← 電波側
Power Side ← Control Side

1 SR-DF101,181 Electric Circuit Diagram



1 SR-DF101,181 Electric Circuit Diagram



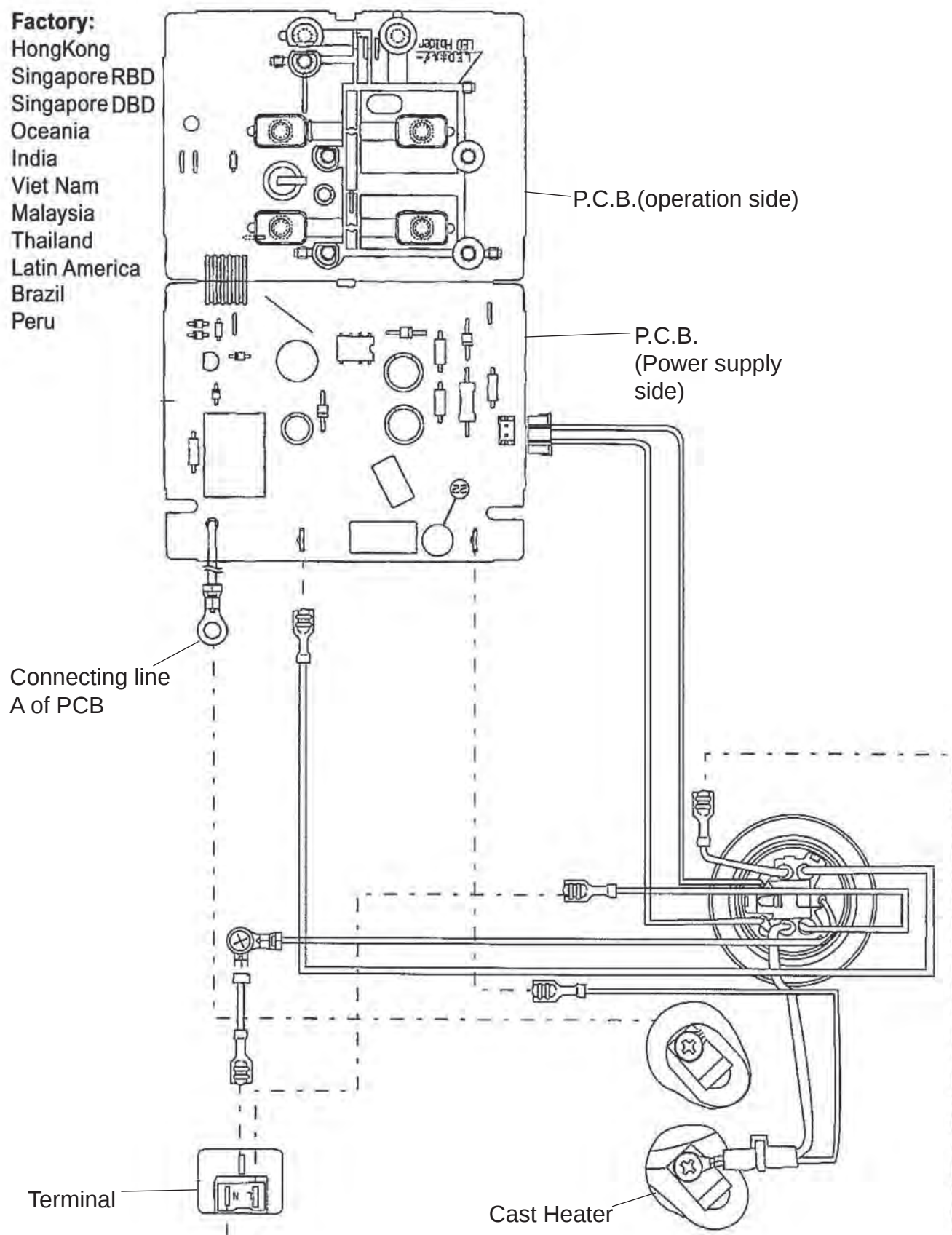
(注) 波用元回路: SR-DF1 (香港)
Based circuit diagram: SR-DF1 (Hong Kong)

完成例題UA (全体) TP表

Control Unit Assy (Module TP Table)

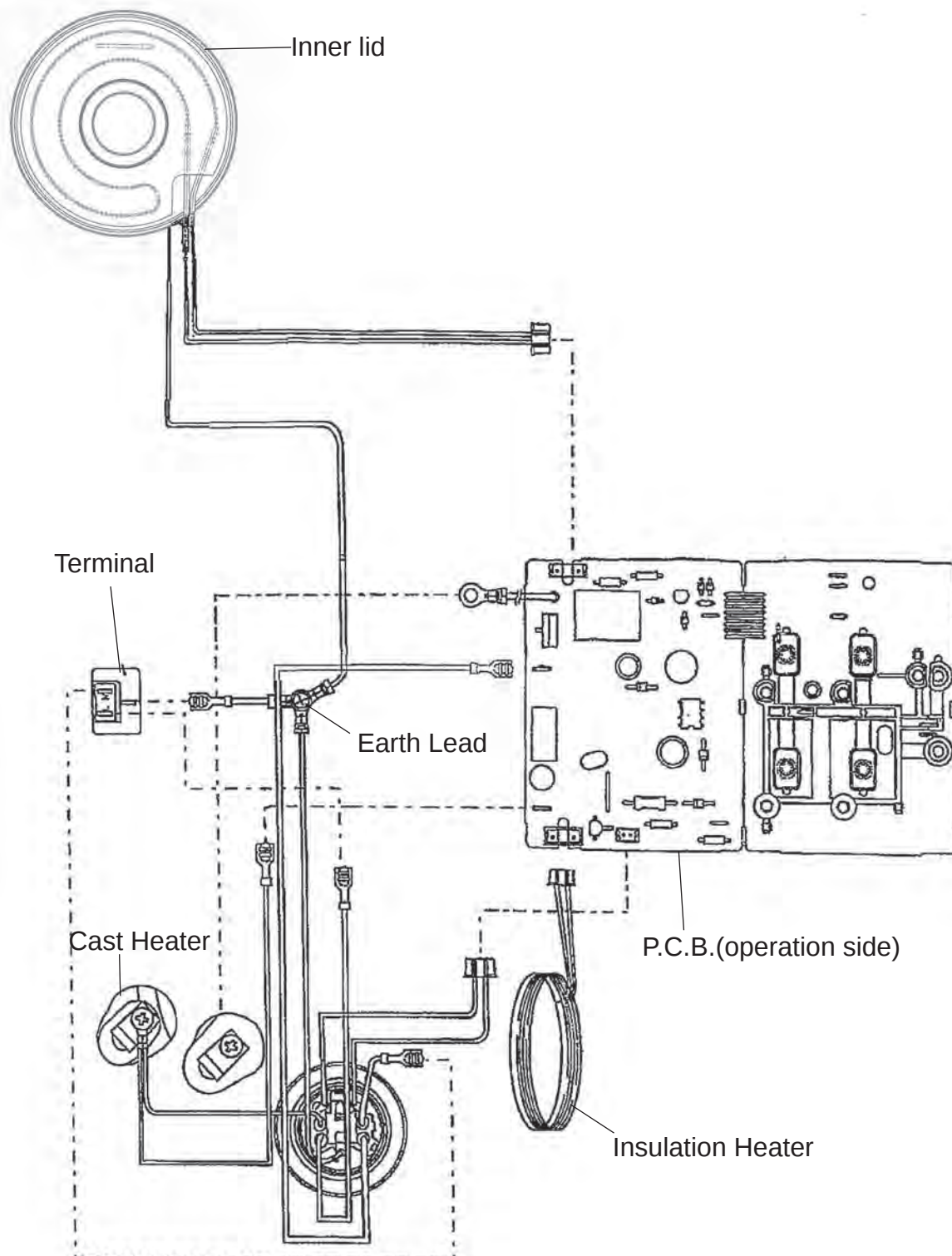
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2 Schematic Diagram (SR-DF101, 181)



2 Schematic Diagram (SR-DF101, 181)

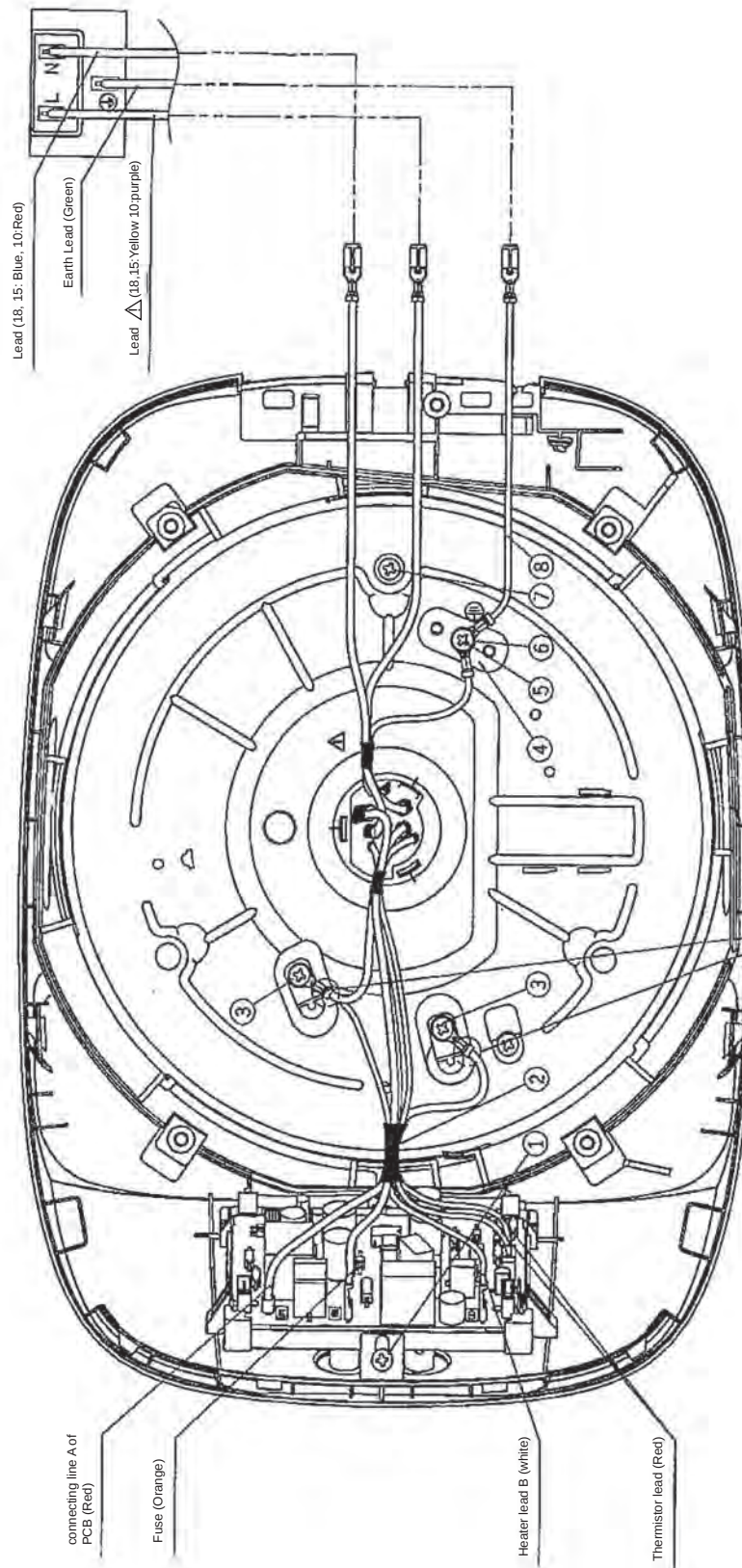
Factory:
TWN Indonesia



3 Wiring Connection Diagram

Factory:

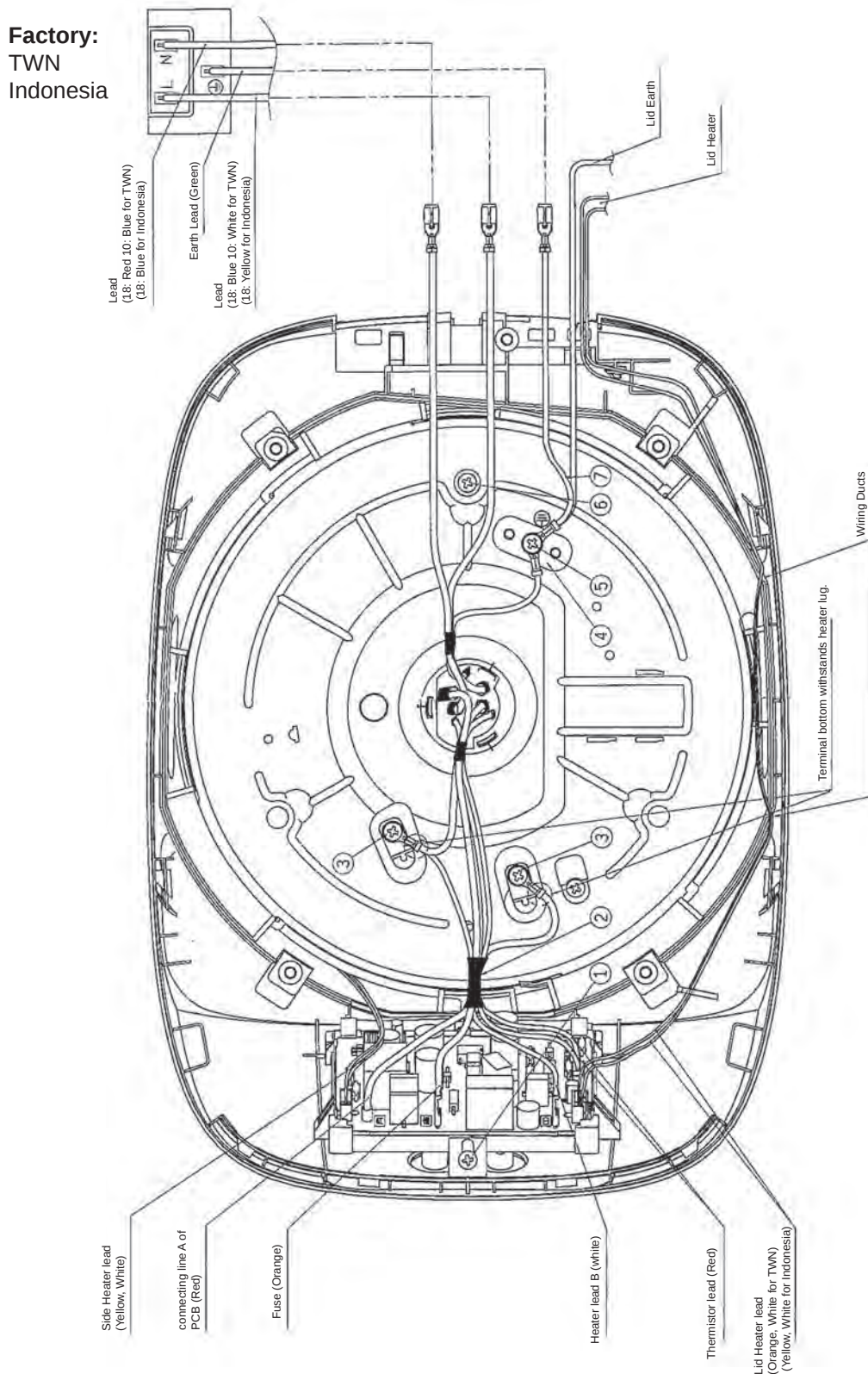
HongKong
Singapore RBD
Singapore DBD
Oceania
India
Viet Nam
Malaysia
Thailand
Latin America
Brazil
Peru



DF181 Wiring Connection Diagram

Note: For actual needs, some junctions of the connecting wires of the product are winded with flame retardant tapes. Don't attempt to tear off the tapes unless it is absolutely necessary. And wind the tapes on the initial positions as before after repair.

3 Wiring Connection Diagram



DF181 Wiring Connection Diagram

Note: For actual needs, some junctions of the connecting wires of the product are winded with flame retardant tapes. Don't attempt to tear off the tapes unless it is absolutely necessary. And wind the tapes on the initial positions as before after repair.

4 Troubleshooting

When receiving a cooker for service from the user, please check if the product remains intact (e.g. pan, valve for warming, etc.), and ask the user to describe the symptom of the malfunction. Unplug the power cord when carrying out component-level checks.

4.1. Before Problem Diagnosis

- The problem diagnosis table is divided into two sections: Vol. 1 for the cooker's main unit, Vol. 2 for the control circuit board.
- Start diagnostic evaluations with Vol. 1.
- Check if the symptom of the malfunction cooker is listed in the Vol. 1 diagnostic section. If no item is found, perform a quick check test of the control circuit board (refer to P9). If any fault is found, continue the diagnostic evaluation referring to Vol. 2.
- The problem diagnosis table primarily lists suspect component assemblies (parts) and areas.
- Refer to P11 for parts-level determination of malfunctions for each board.

Notes on handling the printed circuit board with microprocessor

The microprocessor is constructed of CMOS digital IC (integrated circuit) and MOS FET (Metal-Oxide-Semiconductor Field-Effect Transistor) technology, and is extremely sensitive to static electricity, including static discharges from human body, clothing, and from objects, including soldering irons. Handling with great care as specified below:

- When handling, workers should be well grounded.
- Ground soldering irons. Do not use poorly insulated soldering irons. It is recommended to use soldering irons with microcircuitry.
- Do not touch the pins of ICs or other elements with your hands before well grounded. Do not place the board on a conductive surface that may be charged.

- Do not insert parts from the reverse side of the board.
- When testing with a multimeter during continuous tests, do not use high resistance ranges ($\times 10,000$), which may subject ICs and other components on the board to excess voltage and thus cause damage.
- Keep soldering time as short as possible (within a few seconds)
- Unplug the power cord before replacing any components.
- Be aware of the risk of electric shock or injury when handling a live control board. The control board's transformer carries 220 V AC.

5 PROBLEM DIAGNOSIS TABLE Vol.1 (for the cooker's main unit)

Drawing No.		16	37	43	51	15	7	27							
Malfunction Symptom	Malfunction Suspect Component	Cast Heater	Pan Sensor	Complete power terminal	AC cord	Pan	Lid Heater (only for TWN and Indonesia)	Side Heater (only for TWN and Indonesia)						Parts on PCB	※Refer to P9 and P10 if the defective location is on the PCB.
	Status of main unit														
Does not cook rice	COOKING LED lights up	○												○	
	COOKING LED does not light up		○	○	○									○	If the thermal fuse has melted, firstly find out the reasons and then exchange the defective parts.
Cannot cook rice correctly.(stops early or cooking is uneven, etc.)		○	○			○								○	This may occur due to user's wrong measurement or insufficient loosening of rice.
Rice on the bottom of the inner pan is scorched dark brown.		○	○			○								○	Check that there is no dirt or foreign substances stuck to the surface of the pan sensor.
Keep Warm temperature is high. (78°C or higher)			○				○	○						○	
Keep Warm temperature is low. (68°C or lower)		○	○				○	○						○	
Does not Keep Warm	Keep Warm LED lights up													○	
Droplets fall onto the surface of the rice.							○	○						○	This may occur by cutting off the power or insufficient loosening of rice.
The surface of the rice dries up.							○	○						○	This may occur when the lid is kept open for a long time or by insufficient loosening of rice, or the valve for warming comes off.
The bottom of the cooker melts or gets on fire.			○												

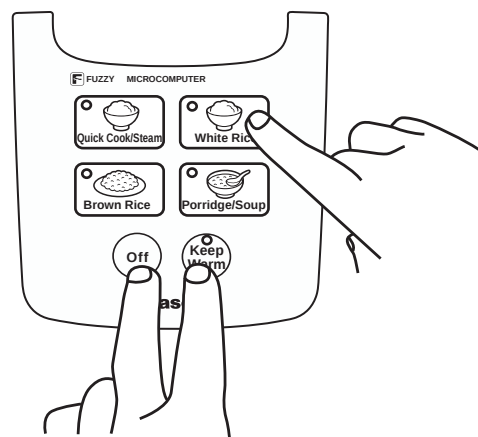
6 QUICK CHECK TEST OF THE CONTROL BOARD

Before beginning diagnostic evaluation of a problem, perform a quick check test of the control board, as explained below. If anything abnormal, then perform reset operation once (refer to P11)

If still abnormal, please refer to the problem diagnosis table Vol. 2. (P9) and diagnosis methods for defective components (P10)), to exchange the parts on P.C.B or control board comp.

1

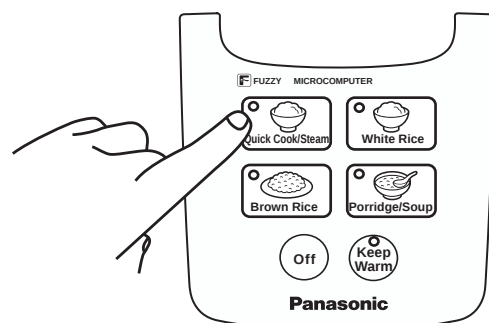
Connect the unit to a power source. In stand-by mode, using three fingers simultaneously press and hold [Start], [Off], [White Rice] buttons.



[Figure A]

2

As soon as you release the three buttons, as shown in Fig. B on the right, [Quick Cook/Steam] indicator lights up, and press [Quick Cook/Steam] button.

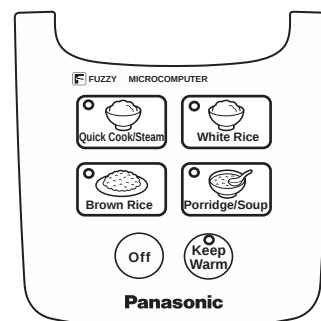


[Figure B]

3

Repeat according to the sequence of: Quick Cook/Steam indicator lamp
White Rice indicator lamp
indicator lamp for Brown Rice
indicator lamp for Porridge/Soup
Keep Warm indicator lamp

and then the heating becomes the full-power heating mode. When it is heated to the final temperature of cooking, it will automatically shift to constant temperature mode.



[Figure C]

4

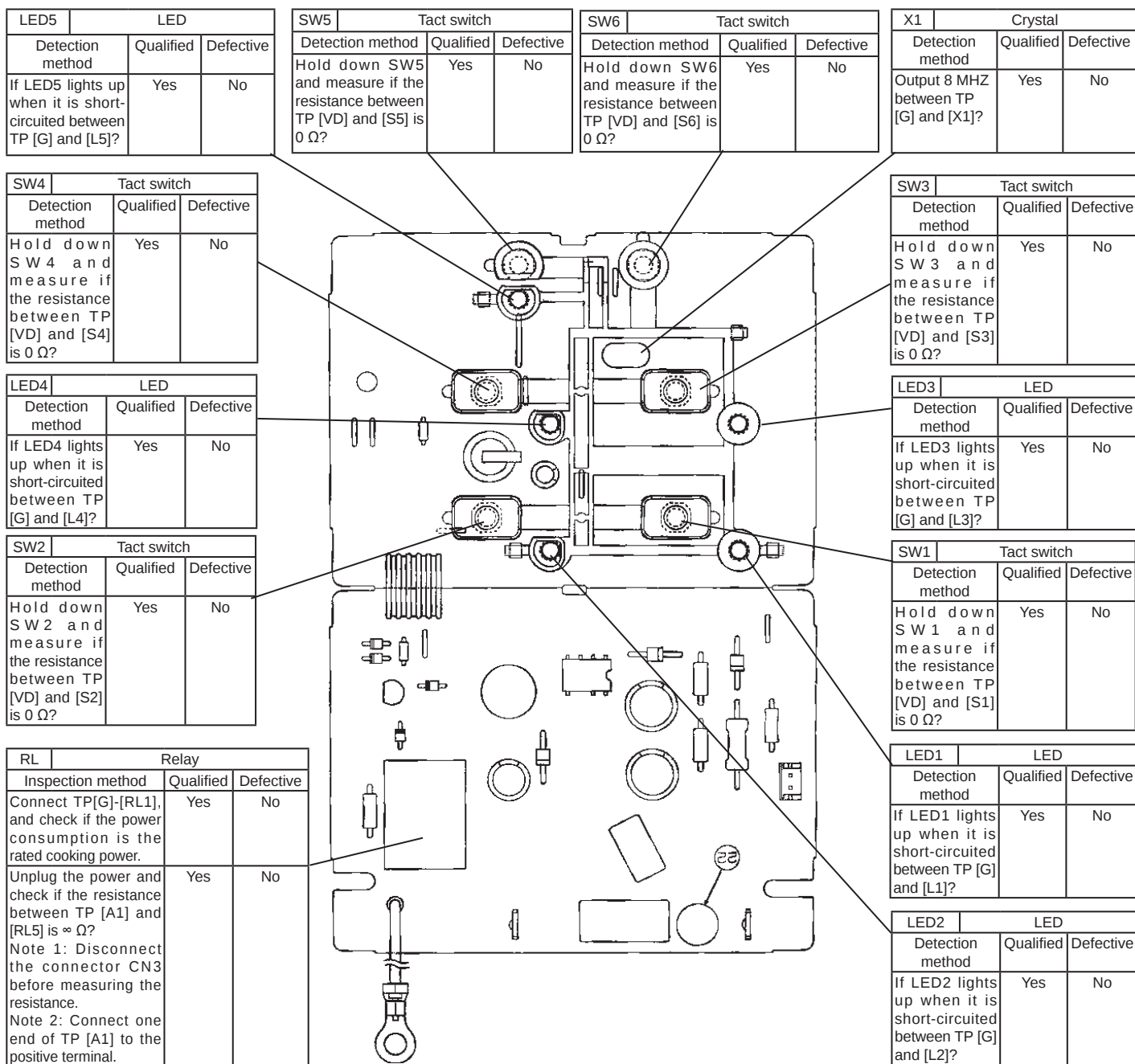
Press [off] button once. Press other buttons and confirm that operation is normal.

After carrying out procedures 1 to 4, if test results are normal, you can conclude that P.C.B.(Comp.) has passed the test.

7 PROBLEM DIAGNOSIS TABLE Vol.2 (for PCB)

			SW	X1	RL										Remarks
Malfunction Symptom	Status of main unit	Malfunction Suspect Component	Control board	Parts on control board											
				Tact switch	Crystal	Relay									
Does not cook rice	COOKING LED lights up.		○			○									
	COOKING LED does not light up.		○	○	○										
Cannot cook rice correctly. (Stops early or cooking is uneven, etc.)			○												
Rice on the bottom of the inner pan is scorched dark brown.			○												
Keep Warm temperature is high. (78°C or higher)			○												
Keep Warm temperature is low.(68°C or lower)			○												
Does not Keep Warm	Keep Warm LED lights up		○												
Don't keep warm continuously.			○												
Droplets fall onto the surface of the rice.			○												

8 Inspection method of components on control board



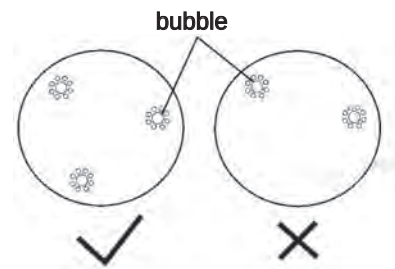
9 Test Mode

9.1. Bubble test

1. Insert the pan into the cooker entire unit and turn it slightly clockwise and anti-clockwise to place the pan properly on the cast heater.
2. Pour small quantity of water into the pan so that the bottom of the pan is immersed with water and close the outer lid completely.
3. After connecting to power, select "Quick Cook" from [Menu Select] and then press [Start] button.
4. When the water boils, the cooker will blow off steam. When you see the steam, open the lid, and then press the brim of the inner pan firmly to fully touch it to the cast heater. Then check the water bubbling condition.

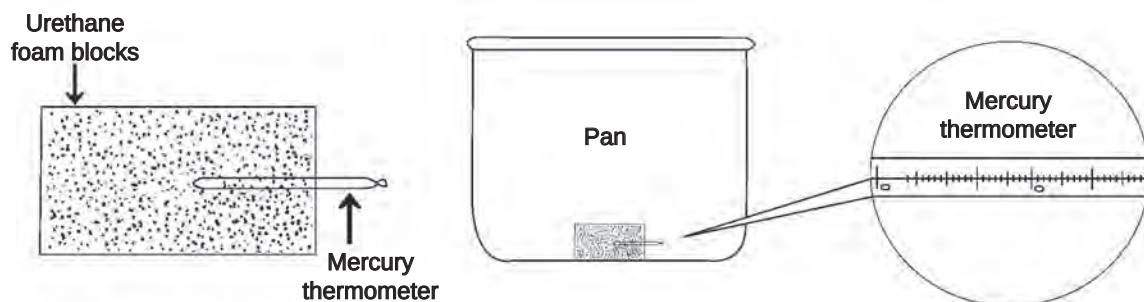
See the right figures:

- Water bubbles appear at three areas and are distributed evenly around the circle..... Normal
 - Water bubbles are distributed unevenly and not around the circle.....Defective
- The unacceptable result is possibly due to incomplete contact of bottom of pan and the cast heater. So please check the heater surface for foreign substance, and remove them or replace the defective parts (inner pan or cast heater)



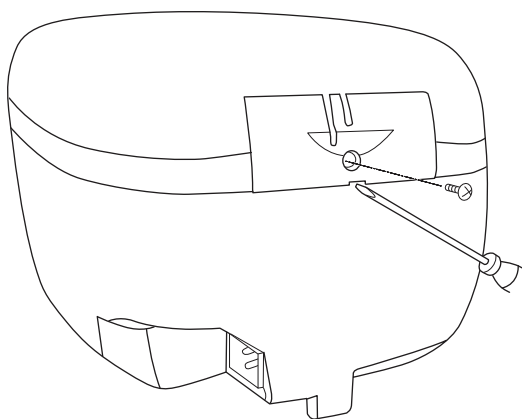
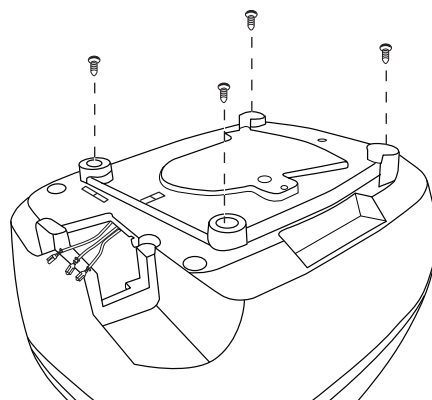
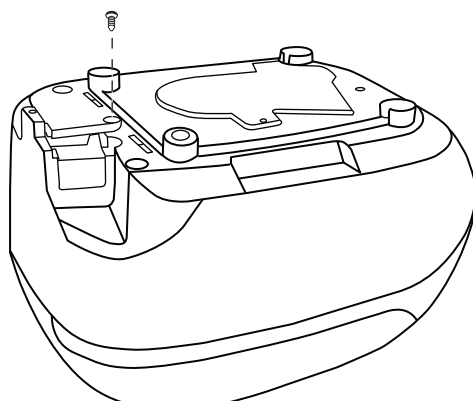
9.2. Keep warm test

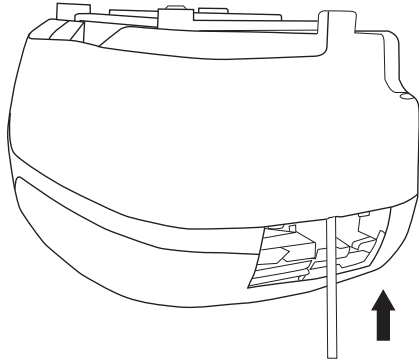
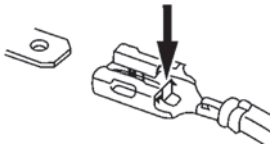
1. When it shifts to constant temperature mode, place a mercury thermometer between urethane foam blocks, as indicated in the following picture. Urethane foam blocks (ASN-300) and thermometer (ASN-150H) are supplied as spare parts.
2. Place the urethane foam blocks holding the thermometer in the center of the bottom of the pan, and allow the cooker to run in the Keep Warm process for more than 1 hour.
3. More than one hour later, open the lid and read the temperature within 10 seconds.
The temperature range from 69°C to 77°C..... Normal
If the warming temperature is out of this range, make sure that no dirt or foreign substance is stuck to the pan sensor or on the bottom of the pan.
Remove the dirt or foreign substance if there is any.
Replace the control board if no dirt or foreign substance is found.



10 The exchange method of PCB for complete control

1	Remove terminal for complete power
• Lay the cooker on a rubber sheet or similar so as not to damage the unit; open the outer lid and make the bottom of the cooker facing upwards (see figure on the right). • Unplug the power cord. • Dismantle the set screw of the outlet cover (×1), take out the outlet cover and complete outlet and outlet box. • Remove the wirings of the power terminal (3 places).	
2	Remove screw for body
• Remove screws for body (×4)	
3	Remove the hinge cover
• Firstly, remove the fixing screw as shown on the right figure. And then inserts a slotted screwdriver in the crack at the hinge cover and the body. • Using slotted screwdriver as a lever and pry the hinge cover upwards. And separate the hinge cover and the body.	

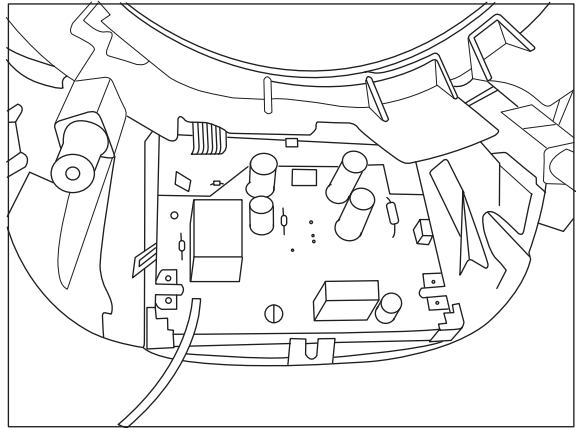


4	Remove the body
	• Lay the cooker for service on a rubber sheet or similar so as not to damage the unit. Insert the slotted screwdriver 30-40mm upwards as the figure shown. • Remove the body by applying force on the slotted screwdriver in the direction indicated by the arrow on the right figure. NOTES: • Don't tap the slotted screwdriver to remove the body which may cause damage to contact part of screwdriver. The above procedures must be followed. 
5	Disconnect the wirings on the control board
	• Please use needle nose pliers to pull out each connector. • Use needle nose pliers to pull out fasten terminal (2 places) NOTES: • When pulling out the plug or similar, pull directly in the outward direction. If pulling in different directions, it may place pressure on the control board and cause damage to the coil and breakdown of PCB. • To pull out the fasten terminal, please press down the stopper in the direction of the arrow shown in the figure, and pull outwards at the same time. Otherwise, the fasten terminal couldn't be pulled out. 

6 Remove the base for control PCB

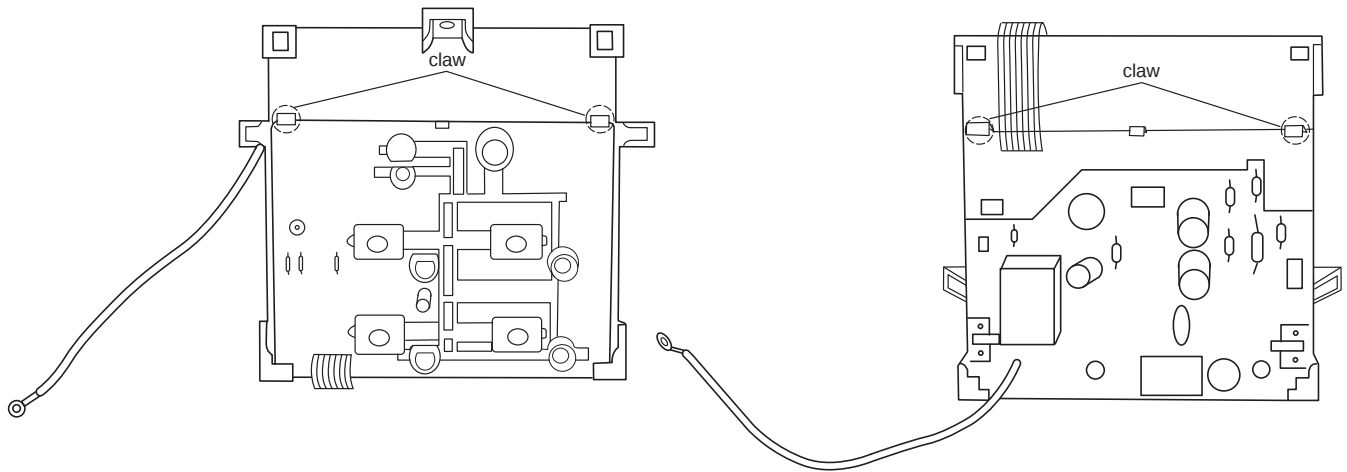
- Unplug the wiring which connects with the control PCB
- Remove fixing screw (×1).
- Hold the base for PCB and take it out directly.

* For the sake of safety, make sure you wear an ESD-protective wrist strap or take preventive measures.



7 Take out the components of control PCB

- Break off the stationary claws slightly, lift up the control PCB (operation parts) and take them out.
- Use the same method to remove control PCB (power parts) and take it out.



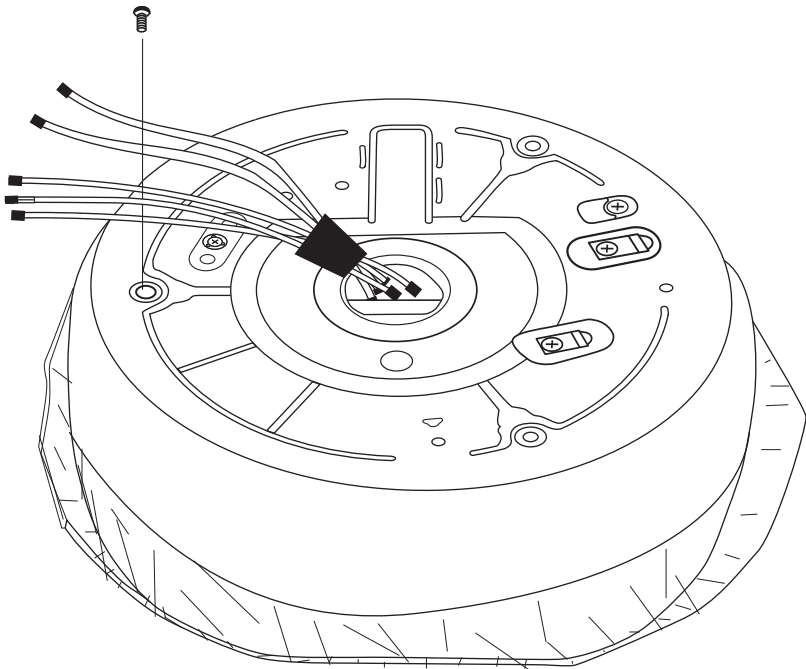
8 Assembly of base for control PCB

- Reassemble the base of PCB for complete power in reverse order for disassembly.

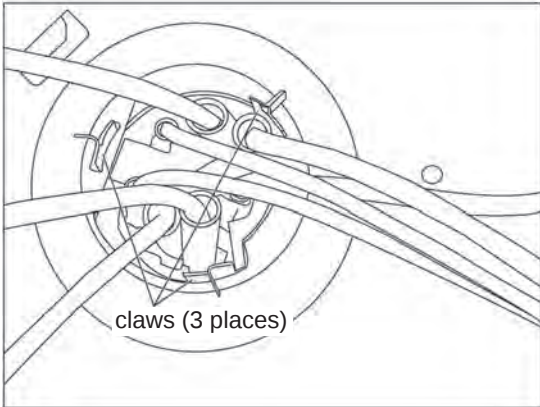
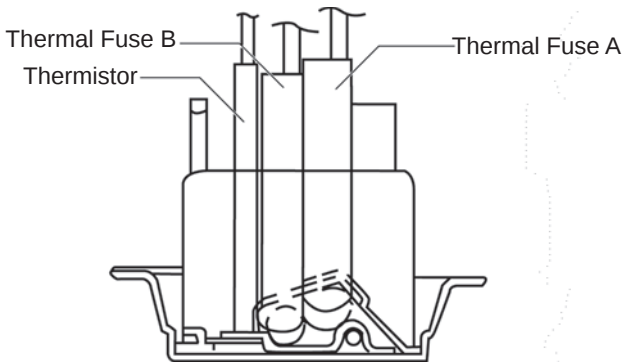
NOTES:

- Refer to P5 for wiring connection.
- When assembling, make sure to paste the flame retardant tape on the initial position as before.

11 The exchange method of cast heater

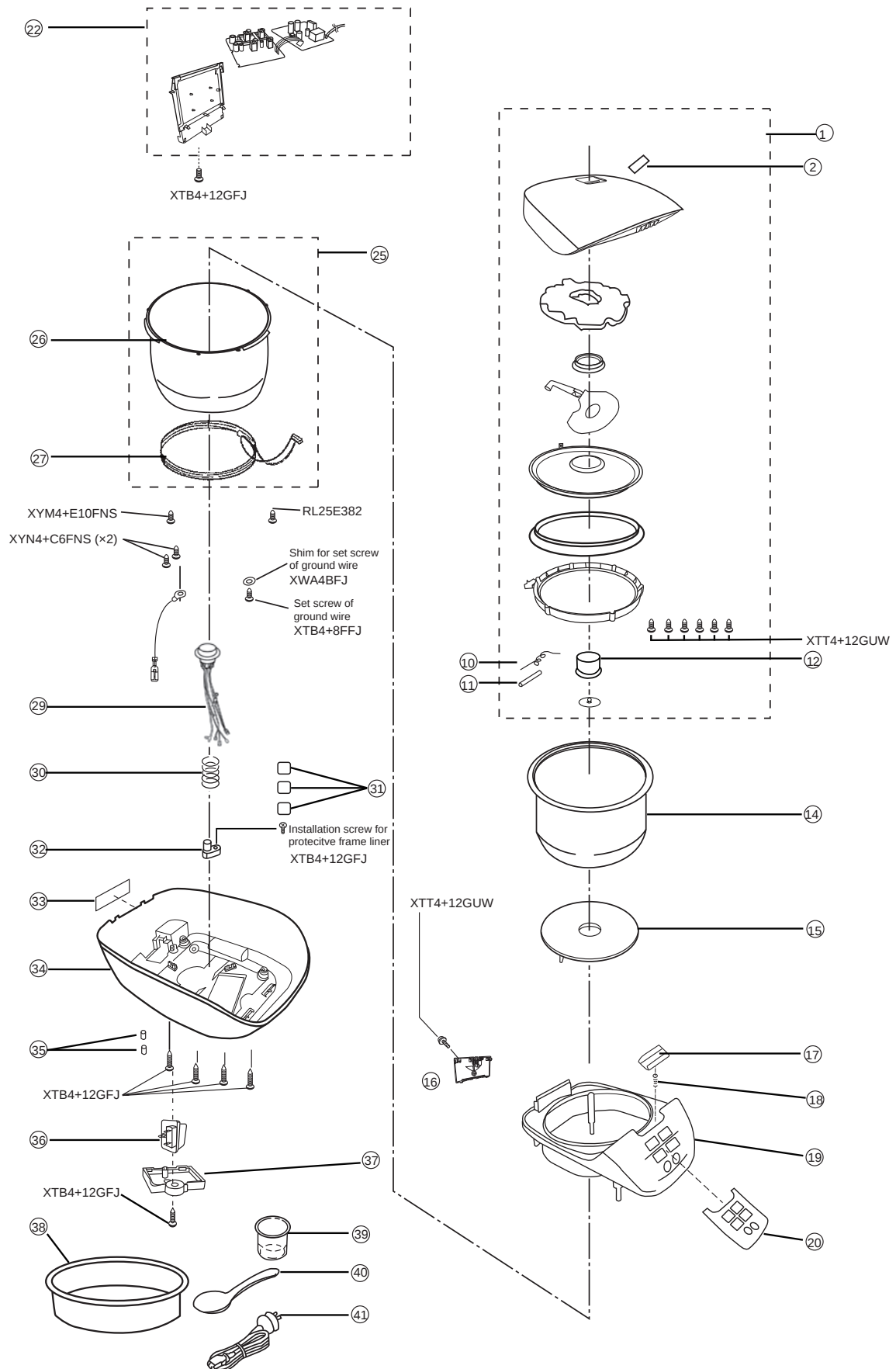
1	Remove terminal for complete power and body
Refer to the exchange method of base for control PCB (See item 1 to 4, P13), remove the terminal and body.	
2	Remove the cast heater
- Remove the fixing screws (×2) of cast heater. - Take out the cast heater from inner enclosure. 	
2	Reassembly
- Reassemble the new cast heater in reverse order for disassembly. NOTES: - Refer to P5 for wiring connection. - When assembling, make sure to paste the flame retardant tape on the initial position as before.	

12 The exchange method of pan sensor and thermal fuse

1	Remove the cast heater
To remove the cast heater, please refer to “The exchange method of cast heater” (Item 1 to 3, P16).	
2	Remove pan sensor
- Loosen and stretch out the claws (3 places) and take out the pan sensor. NOTES: - Care must be taken to avoid the spring for sensor from deformation when removing. 	
3	Exchange thermal fuse
The replacement of pan sensor is the exchange of thermal fuse A/B. This is because the thermal fuse A/B are both fixed within the pan sensor. 	
4	Reassembly
- Reassemble the new pan sensor in reverse order for disassembly. NOTES: - Care must be taken to avoid the spring for sensor from deformation when reassembling. - Care must be taken to avoid the spring for sensor from tilting when reassembling. - Refer to P5 for wiring connection. - Please note the direction of pan sensor.	

13 Exploded View

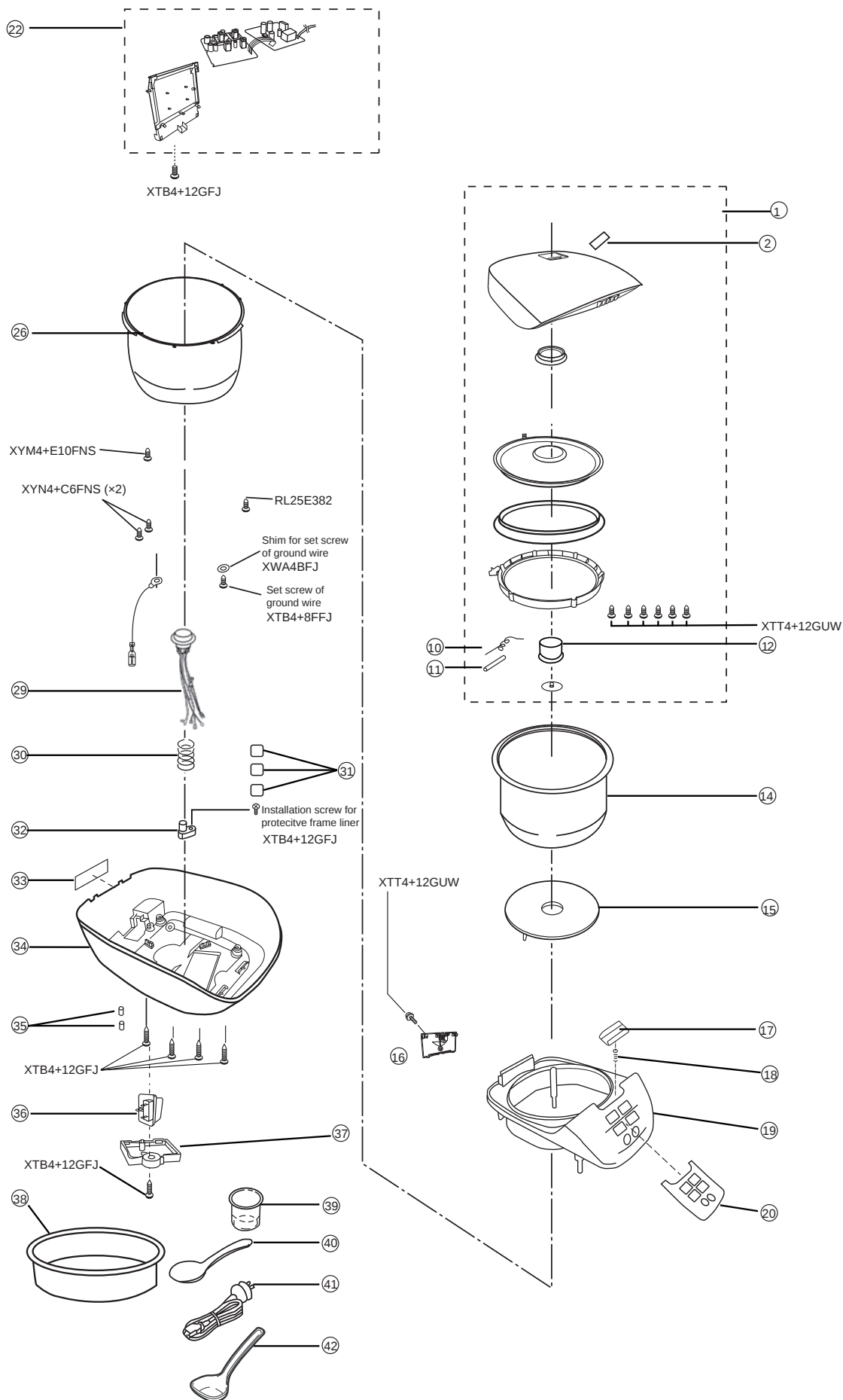
Factory:
TWN
Indonesia



13 Exploded View

Factory:

HongKong
Singapore RBD
Singapore DBD
Oceania
India
Viet Nam
Malaysia
Thailand
Latin America
Brazil
Peru
USA
RUS



14 Replacement Part List

NOTE: Important safety Notice

Parts market with△symbol have very important safety features.

Use only the spare parts designated by manufacturer for replacement of such components

MODEL NO:SR-DF101,DF181

Ref No.	safety	Part No.	Part Name	Latin America		Brazil		Peru		Remarks
				DF101	DF181	DF101	DF181	DF101	DF181	
1	△	ARB01BE50WQU	outer lid comp.	1	1	1	1			
		ARB01PE52WQU	outer lid comp.					1	1	
2	△	ARB32BE50	caution label	1	1					
		ARB32BE54	caution label			1	1			
		ARB32PE52	caution label					1	1	
10		ARB70ED94	spring for hing	1	1	1	1	1	1	
11		ARB74E7692	shaft for hinge	1	1	1	1	1	1	
12		ARB45ED40-JU	valve for warming	1	1	1	1	1	1	
14		ARE50HE36	pan		1		1		1	
		ARE50HE37	pan	1		1		1		
15	△	ARL20BE5000U	cast heater	1	1					
		ARL20BE5400U	cast heater			1	1			
		ARL20ED9400U	cast heater					1	1	
16		ARE40ED941WQ	hinge cover	1	1	1	1	1	1	
17		ARE05ED941WQ	hook lever	1	1	1	1	1	1	
18		ARE06EA29	spring for hook lever	1	1	1	1	1	1	
19		ARE00ED94WQU	upper frame	1	1	1	1	1	1	
20		ARN21BE50-LN	lable A		1				1	
		ARN21BE51-LN	lable A	1				1		
		ARN21BE54-LN	lable A				1			
		ARN21BE55-LN	lable A			1				
22	△	ARH01BE5000U	PCB comp.	1	1	1	1			
		ARH01TE3400U	PCB comp.					1	1	
26		ARE20ED9400U	inner enclosure		1		1		1	
		ARE20ED9600U	inner enclosure	1		1		1		
29	△	ARS10TE4500U	pan sensor	1	1					
		ARS10ED9400U	pan sensor			1	1	1	1	
30		ARS61-783	spring for sensor	1	1	1	1	1	1	
31		ARH92ED37	support for inner enclosure	3	3	3	3	3	3	
32		ARE42ED94	buan ofr inner enclosure	1	1	1	1	1	1	
33		ARY00BE501LN	name plate		1					
		ARY00BE511LN	name plate	1						
		ARY00BE541LN	name plate				1			
		ARY00BE551LN	name plate			1				
		ARY00PE521LN	name plate						1	
		ARY00PE531LN	name plate					1		
34		ARE10ED94-WQ	body		1		1		1	
		ARE10ED96-WQ	body	1		1		1		
35		ARH90ED94	cushion	2	2	2	2	2	2	
36	△	ARG10EB1000U	terminal	1	1	1	1	1	1	
37		ARF27ED94	cover for terminal	1	1	1	1	1	1	
38		ARK53ED94-W9	steam basket	1	1	1	1	1	1	
39		ARK06ED37	measuring cup	1	1	1	1	1	1	
40		ARK02ED37-WQ	rice scoop	1	1	1	1	1	1	
41	△	ARQ00BE5000U	AC cord	1	1					
		ARQ00BE5400U	AC cord			1	1			
		ARQ00PE5200U	AC cord					1	1	

SCREW

		XTB4+12GFJ	Screw For PCB Base	1	1	1	1	1	1	
		XTB4+12GFJ	Screw For Body	4	4	4	4	4	4	
		XTT4+12GUW	Screw For Hinge	1	1	1	1	1	1	
		XYM4+E10FNS	Screw For Cast Heater	1	1	1	1	1	1	
		XYN4+C6FNS	Screw For Lead	2	2	2	2	2	2	
		XYA4+EF8FJ	Screw For Earth	1	1	1	1	1	1	
		XTT4+12GUW	Screw For Inner Cover	6	6	6	6	6	6	
		XTB4+12GFJ	Screw For Terminal	1	1	1	1	1	1	
		ARL25E382	Screw	1	1	1	1	1	1	

PACKING SPECIFICATIONS									
		ARZ01BE501LN	Outer Carton		1				
		ARZ01BE511LN	Outer Carton	1					
		ARZ01BE541LN	Outer Carton				1		
		ARZ01BE551LN	Outer Carton			1			
		ARZ01PE521LN	Outer Carton						1
		ARZ01PE531LN	Outer Carton					1	
		ARZ04ED9400U	Top Filler	1	1	1	1	1	1
		ARZ11ED9400U	Bottom Filler	1	1	1	1	1	1
	△	ARZ19BE501	Operating Instructions	1	1				
		ARZ19BE541	Operating Instructions			1	1		
		ARZ19PE521	Operating Instructions					1	1
		ARZ75E382	Plastic Bag	1	1	1	1	1	1
		ARZ57E7227	Packing Sheet	1	1	1	1	1	1

14 Replacement Part List

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MODEL NO:SR-DF101,DF181

Ref No.	safety	Part No.	Part Name	Viet Nam		Singapore DBD		Thailand		Remarks
				DF101	DF181	DF101	DF181	DF101	DF181	
1	△	ARB01VE41WQU	outer lid comp.	1	1					
		ARB01HE36WQU	outer lid comp.			1	1			
		ARB01TE34WQU	outer lid comp.					1	1	
2	△	ARB32VE41	caution label	1	1					
		ARB32H487	caution label			1	1			
		ARB32TE34	caution label					1	1	
10		ARB70ED94	spring for hing	1	1	1	1	1	1	
11		ARB74E7692	shaft for hinge	1	1	1	1	1	1	
12		ARB45ED40-JU	valve for warming	1	1	1	1	1	1	
14		ARE50HE36	pan		1		1		1	
		ARE50HE37	pan	1		1		1		
15	△	ARL20ED9400U	cast heater	1	1			1	1	
		ARL20SE3800U	cast heater			1	1			
16		ARE40ED941WQ	hinge cover	1	1	1	1	1	1	
17		ARE05ED941WQ	hook lever	1	1	1	1	1	1	
18		ARE06EA29	spring for hook lever	1	1	1	1	1	1	
19		ARE00ED94WQU	upper frame	1	1	1	1	1	1	
20		ARN21HE36-GR	lable A		1		1			
		ARN21HE36-LN	lable A		1		1			
		ARN21HE37-GR	lable A	1		1				
		ARN21HE37-LN	lable A	1		1				
		ARN21TE34-GR	lable A						1	
		ARN21TE34-LN	lable A						1	
22	△	ARH01TE3400U	PCB comp.	1	1			1	1	
		ARH01HE3600U	PCB comp.			1	1			
26		ARE20ED9400U	inner enclosure		1		1		1	
		ARE20ED9600U	inner enclosure	1		1		1		
29	△	ARS10ED9400U	pan sensor	1	1	1	1	1	1	
30		ARS61-783	spring for sensor	1	1	1	1	1	1	
31		ARH92ED37	support for inner enclosure	3	3	3	3	3	3	
32		ARE42ED94	buan ofr inner enclosure	1	1	1	1	1	1	
33		ARY00VE411CR	name plate		1					
		ARY00VE411LN	name plate		1					
		ARY00VE421CR	name plate	1						
		ARY00VE421LN	name plate	1						
		ARY00SE381CR	name plate				1			
		ARY00SE381LN	name plate				1			
		ARY00SE391CR	name plate			1				
		ARY00SE391LN	name plate			1				
		ARY00TE341CR	name plate						1	
		ARY00TE341LN	name plate						1	
34		ARE10ED94-WQ	body		1		1		1	
		ARE10ED96-WQ	body	1		1		1		
35		ARH90ED94	cushion	2	2	2	2	2	2	
36	△	ARG10EB1000U	terminal	1	1	1	1	1	1	
37		ARF27ED94	cover for terminal	1	1	1	1	1	1	
38		ARK53ED94-W9	steam basket	1	1	1	1	1	1	
39		ARK06ED37	measuring cup	1	1	1	1	1	1	
40		ARK02ED37-WQ	rice scoop	1	1	1	1	1	1	
41	△	ARQ00VE4000U	AC cord	1	1					
		ARQ00SE3800U	AC cord			1	1			
		ARQ00TE3400U	AC cord					1	1	

SCREW										
		XTB4+12GFJ	Screw For PCB Base	1	1	1	1	1	1	
		XTB4+12GFJ	Screw For Body	4	4	4	4	4	4	
		XTT4+12GUW	Screw For Hinge	1	1	1	1	1	1	
		XYM4+E10FNS	Screw For Cast Heater	1	1	1	1	1	1	
		XYN4+C6FNS	Screw For Lead	2	2	2	2	2	2	
		XYA4+EF8FJ	Screw For Earth	1	1	1	1	1	1	
		XTT4+12GUW	Screw For Inner Cover	6	6	6	6	6	6	
		XTB4+12GFJ	Screw For Terminal	1	1	1	1	1	1	
		ARL25E382	Screw	1	1	1	1	1	1	

PACKING SPECIFICATIONS										
		ARZ01VE412CR	Outer Carton		1					
		ARZ01VE412LN	Outer Carton		1					
		ARZ01VE42-CR	Outer Carton	1						
		ARZ01VE42-LN	Outer Carton	1						
		ARZ01SE382CR	Outer Carton				1		1	
		ARZ01SE382LN	Outer Carton				1		1	
		ARZ01SE392LN	Outer Carton			1		1		
		ARZ04ED9400U	Top Filler	1	1	1	1	1	1	
		ARZ11ED9400U	Bottom Filler	1	1	1	1	1	1	
	△	ARZ19VE411	Operating Instructions	1	1					
		ARZ19SE381	Operating Instructions			1	1			
		ARZ19TE431	Operating Instructions					1	1	
		ARZ25VE41	Interleaf	1	1					
		ARZ75E382	Plastic Bag	1	1	1	1	1	1	
		ARZ57E7227	Packing Sheet	1	1	1	1	1	1	

14 Replacement Part List

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MODEL NO:SR-DF101,DF181

Ref No.	safety	Part No.	Part Name	Oceania		Malaysia		Remarks
				DF101	DF181	DF101	DF181	
1	△	ARB01HE36WQU	outer lid comp.	1	1	1	1	
2	△	ARB32H487	caution label	1	1	1	1	
10		ARB70ED94	spring for hing	1	1	1	1	
11		ARB74E7692	shaft for hinge	1	1	1	1	
12		ARB45ED40-JU	valve for warming	1	1	1	1	
14		ARE50HE36	pan		1		1	
		ARE50HE37	pan	1		1		
15	△	ARL20ME4300U	cast heater	1	1	1	1	
16		ARE40ED941WQ	hinge cover	1	1	1	1	
17		ARE05ED941WQ	hook lever	1	1	1	1	
18		ARE06EA29	spring for hook lever	1	1	1	1	
19		ARE00ED94WQU	upper frame	1	1	1	1	
20		ARN21HE36-GR	lable A				1	
		ARN21HE36-LN	lable A		1		1	
		ARN21HE37-LN	lable A	1		1		
22	△	ARH01TE3400U	PCB comp.	1	1			
		ARH01HE3600U	PCB comp.			1	1	
26		ARE20ED9400U	inner enclosure		1		1	
		ARE20ED9600U	inner enclosure	1		1		
29	△	ARS10ED9400U	pan sensor	1	1	1	1	
30		ARS61-783	spring for sensor	1	1	1	1	
31		ARH92ED37	support for inner enclosure	3	3	3	3	
32		ARE42ED94	buan ofr inner enclosure	1	1	1	1	
33		ARY00RE561LN	name plate		1			
		ARY00RE571LN	name plate	1				
		ARY00ME431CR	name plate				1	
		ARY00ME431LN	name plate				1	
		ARY00ME441LN	name plate			1		
34		ARE10ED94-WQ	body		1		1	
		ARE10ED96-WQ	body	1		1		
35		ARH90ED94	cushion	2	2	2	2	
36	△	ARG10EB1000U	terminal	1	1	1	1	
37		ARF27ED94	cover for terminal	1	1	1	1	
38		ARK53ED94-W9	steam basket	1	1	1	1	
39		ARK06ED37	measuring cup	1	1	1	1	
40		ARK02ED37-WQ	rice scoop	1	1	1	1	
41	△	ARQ00RE5600U	AC cord	1	1			
		ARQ00ME4300U	AC cord			1	1	

SCREW								
		XTB4+12GFJ	Screw For PCB Base	1	1	1	1	
		XTB4+12GFJ	Screw For Body	4	4	4	4	
		XTT4+12GUW	Screw For Hinge	1	1	1	1	
		XYM4+E10FNS	Screw For Cast Heater	1	1	1	1	
		XYN4+C6FNS	Screw For Lead	2	2	2	2	
		XYA4+EF8FJ	Screw For Earth	1	1	1	1	
		XTT4+12GUW	Screw For Inner Cover	6	6	6	6	
		XTB4+12GFJ	Screw For Terminal	1	1	1	1	
		ARL25E382	Screw	1	1	1	1	

PACKING SPECIFICATIONS							
		ARZ01SE382CR	Outer Carton		1		1
		ARZ01SE382LN	Outer Carton		1		1
		ARZ01SE392LN	Outer Carton	1		1	
		ARZ04ED9400U	Top Filler	1	1	1	1
		ARZ11ED9400U	Bottom Filler	1	1	1	1
	△	ARZ19RE561	Operating Instructions	1	1		
		ARZ19ME431	Operating Instructions			1	1
		ARZ25ME43	Interleaf			1	1
		ARZ75E382	Plastic Bag	1	1	1	1
		ARZ57E7227	Packing Sheet	1	1	1	1

14 Replacement Part List

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MODEL NO:SR-DF101,DF181

Ref No.	safety	Part No.	Part Name	TWN		Indonesia	Remarks
				DF101	DF181	DF181	
1	△	ARB01TE45WQU	outer lid comp.	1	1		
		ARB01LE47WQU	outer lid comp.			1	
2	△	ARB32TC66-K0	caution label	1	1		
		ARB32LE47	caution label			1	
10		ARB70ED94	spring for hing	1	1	1	
11		ARB74E7692	shaft for hinge	1	1	1	
12		ARB45ED40-JU	valve for warming	1	1	1	
14		ARE50HE36	pan		1	1	
		ARE50HE37	pan	1			
15	△	ARL20TE4500U	cast heater	1	1		
		ARL20ED9400U	cast heater			1	
16		ARE40ED941WQ	hinge cover	1	1	1	
17		ARE05ED941WQ	hook lever	1	1	1	
18		ARE06EA29	spring for hook lever	1	1	1	
19		ARE00ED94WQU	upper frame	1	1	1	
20		ARN21TE45-LN	lable A		1		
		ARN21TE46-LN	lable A	1			
		ARN21HE36-LN	lable A			1	
22	△	ARH01TE4500U	PCB comp.	1	1		
		ARH01LE4700U	PCB comp.			1	
25	△	ARE20TE4500U	inner enclosure comp.		1		
		ARE20TE4600U	inner enclosure comp.	1			
		ARE20LE4700U	inner enclosure comp.			1	
26		ARE20ED94	inner enclosure		1	1	
		ARE20ED96	inner enclosure	1			
27	△	ARL10TE4500U	warming heater	1	1		
		ARL10LE4700U	warming heater			1	
29	△	ARS10TE4500U	pan sensor	1	1		
		ARS10ED9400U	pan sensor			1	
30		ARS61-783	spring for sensor	1	1	1	
31		ARH92ED37	support for inner enclosure	3	3		
		ARH92ED37	support for inner enclosure			3	
32		ARE42ED94	buan ofr inner enclosure	1	1		
		ARE42ED94	buan ofr inner enclosure			1	
33		ARY00TE45-LN	name plate		1		
		ARY00TE46-LN	name plate	1			
		ARY00LE47-LN	name plate			1	
34		ARE10ED94-WQ	body		1	1	
		ARE10ED96-WQ	body	1			
35		ARH90ED94	cushion	2	2	2	
36	△	ARG10EB1000U	terminal	1	1	1	
37		ARF27ED94	cover for terminal	1	1	1	
38		ARK53ED94-W9	steam basket	1	1	1	
39		ARK06ED37	measuring cup	1	1	1	
40		ARK02ED37-WQ	rice scoop	1	1	1	
41	△	ARQ21TA5500U	AC cord	1	1		
		ARQ00VE4000U	AC cord			1	

SCREW							
		XTB4+12GFJ	Screw For PCB Base	1	1	1	
		XTB4+12GFJ	Screw For Body	4	4	4	
		XTT4+12GUW	Screw For Hinge	1	1	1	
		XYM4+E10FNS	Screw For Cast Heater	1	1	1	
		XYN4+C6FNS	Screw For Lead	2	2	2	
		XYA4+EF8FJ	Screw For Earth	1	1	1	
		XTT4+12GUW	Screw For Inner Cover	6	6	6	
		XTB4+12GFJ	Screw For Terminal	1	1	1	
		ARL25E382	Screw	1	1	1	

PACKING SPECIFICATIONS						
		ARZ01TE451LN	Outer Carton		1	
		ARZ01TE461LN	Outer Carton	1		
		ARZ01LE471LN	Outer Carton			1
		ARZ04ED9400U	Top Filler	1	1	1
		ARZ11ED9400U	Bottom Filler	1	1	1
	△	ARZ19TE451	Operating Instructions	1	1	
		ARZ19LE471	Operating Instructions			1
		ARZ25TE46	Interleaf	1	1	
		ARZ25LE47	Interleaf			1
		ARZ75E382	Plastic Bag	1	1	1
		ARZ57E7227	Packing Sheet	1	1	1

14 Replacement Part List

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MODEL NO:SR-DF101,DF181

Ref No.	safety	Part No.	Part Name	HongKong		Singapore RBD	India		Remarks
				DF101	DF181	DF181	DF101	DF181	
1	△	ARB01HE36WQU	outer lid comp.	1	1	1	1	1	
2	△	ARB32H487	caution label	1	1	1	1	1	
10		ARB70ED94	spring for hinge	1	1	1	1	1	
11		ARB74E7692	shaft for hinge	1	1	1	1	1	
12		ARB45ED40-JU	valve for warming	1	1	1	1	1	
14		ARE50HE36	pan		1	1		1	
		ARE50HE37	pan	1			1		
15	△	ARL20ED9400U	cast heater	1	1	1			
		ARL20SE3800U	cast heater				1	1	
16		ARE40ED941WQ	hinge cover	1	1	1	1	1	
17		ARE05ED941WQ	hook lever	1	1	1	1	1	
18		ARE06EA29	spring for hook lever	1	1	1	1	1	
19		ARE00ED94WQU	upper frame	1	1	1	1	1	
20		ARN21HE36-GR	lable A		1	1			
		ARN21HE36-LN	lable A		1	1		1	
		ARN21HE37-GR	lable A	1					
		ARN21HE37-LN	lable A	1			1		
22	△	ARH01HE3600U	PCB comp.	1	1				
		ARH01TE3400U	PCB comp.			1			
		ARH01DE4800U	PCB comp.				1	1	
26		ARE20ED9400U	inner enclosure		1	1		1	
		ARE20ED9600U	inner enclosure	1			1	1	
29	△	ARS10ED9400U	pan sensor	1	1	1	1	1	
30		ARS61-783	spring for sensor	1	1	1	1	1	
31		ARH92ED37	support for inner enclosure	3	3	3	3	3	
32		ARE42ED94	buan ofr inner enclosure	1	1	1	1	1	
33		ARY00HE361CR	name plate		1				
		ARY00HE361LN	name plate		1				
		ARY00HE371CR	name plate	1					
		ARY00HE371LN	name plate	1					
		ARY00VE401CR	name plate			1			
		ARY00VE401LN	name plate			1			
		ARY00DE481LN	name plate					1	
		ARY00DE491LN	name plate				1		
34		ARE10ED94-WQ	body		1	1		1	
		ARE10ED96-WQ	body	1			1		
35		ARH90ED94	cushion	2	2	2	2	2	
36	△	ARG10EB1000U	terminal	1	1	1	1	1	
37		ARF27ED94	cover for terminal	1	1	1	1	1	
38		ARK53ED94-W9	steam basket	1	1	1	1	1	
39		ARK06ED37	measuring cup	1	1	1	1	1	
40		ARK02ED37-WQ	rice scoop	1	1	1	1	1	
41	△	ARQ00HD2100U	AC cord	1	1				
		ARQ00VE4000U	AC cord			1			
		ARQ00DE4800U	AC cord				1	1	

SCREW

		XTB4+12GFJ	Screw For PCB Base	1	1	1	1	1	
		XTB4+12GFJ	Screw For Body	4	4	4	4	4	
		XTT4+12GUW	Screw For Hinge	1	1	1	1	1	
		XYM4+E10FNS	Screw For Cast Heater	1	1	1	1	1	
		XYN4+C6FNS	Screw For Lead	2	2	2	2	2	
		XYA4+EF8FJ	Screw For Earth	1	1	1	1	1	
		XTT4+12GUW	Screw For Inner Cover	6	6	6	6	6	
		XTB4+12GFJ	Screw For Terminal	1	1	1	1	1	
		ARL25E382	Screw	1	1	1	1	1	

PACKING SPECIFICATIONS									
		ARZ01HE362CR	Outer Carton		1				
		ARZ01HE362LN	Outer Carton		1				
		ARZ01HE372CR	Outer Carton	1					
		ARZ01HE372CR	Outer Carton	1					
		ARZ01SE382CR	Outer Carton			1			
		ARZ01SE382LN	Outer Carton			1		1	
		ARZ01SE392LN	Outer Carton				1		
		ARZ04ED9400U	Top Filler	1	1	1	1	1	
		ARZ11ED9400U	Bottom Filler	1	1	1	1	1	
	△	ARZ19HE361	Operating Instructions	1	1				
		ARZ19VE40	Operating Instructions			1			
		ARZ19ED481	Operating Instructions				1	1	
		ARZ25HD21	Interleaf	1	1				
		ARZ75E382	Plastic Bag	1	1	1	1	1	
		ARZ57E7227	Packing Sheet	1	1	1	1	1	

14 Replacement Part List

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MODEL NO:SR-DF101,DF181

Ref No.	safety	Part No.	Part Name	USA		RUS	Remarks
				DF181	DF101	DF101	
1	△	ARB01AF12WQU	outer lid comp.	1	1		
		ARB01FF43WQU	outer lid comp.			1	
2	△	ARB32AF12	caution label	1	1		
		ARB32FF43	caution label			1	
10		ARB70ED94	spring for hing	1	1	1	
11		ARB74E7692	shaft for hinge	1	1	1	
12		ARB45ED40-JU	valve for warming	1	1	1	
14		ARE50HE36	pan	1			
		ARE50HE37	pan		1		
		ARE50FF43	pan			1	
15	△	ARL20BE5000U	cast heater	1	1		
		ARL20ED9400U	cast heater			1	
16		ARE40ED941WQ	hinge cover	1	1	1	
17		ARE05ED941WQ	hook lever	1	1	1	
18		ARE06EA29	spring for hook lever	1	1	1	
19		ARE00ED94WQU	upper frame	1	1	1	
20		ARN21HE36-LN	lable A	1			
		ARN21HE37-LN	lable A		1		
		ARN21FF43-LN	lable A			1	
22	△	ARH01AF1200U	PCB comp.	1	1		
		ARH01FF4300U	PCB comp.			1	
26		ARE20ED941	inner enclosure	1			
		ARE20ED961	inner enclosure		1		
		ARE20ED9600U	inner enclosure			1	
29	△	ARS10AF1200U	pan sensor	1	1		
		ARS10ED9600U	pan sensor			1	
30		ARS61-783	spring for sensor	1	1	1	
31		ARH92ED37	support for inner enclosure	3	3	3	
32		ARE42ED94	buan for inner enclosure	1	1	1	
33		ARY00AF12-LN	name plate	1			
		ARY00AF13-LN	name plate		1		
		ARY00FF43-LN	name plate			1	
34		ARE10ED94-WQ	body	1			
		ARE10ED96-WQ	body		1	1	
35		ARH90ED94	cushion	2	2	2	
36	△	ARG10AF1200U	terminal	1	1		
		ARG10EB1000U	terminal			1	
37		ARF27ED94	cover for terminal	1	1	1	
38		ARK53ED94-W9	steam basket	1	1	1	
39		ARK06ED37	measuring cup	1	1	1	
40		ARK02ED37-WQ	rice scoop	1	1		
41	△	ARQ24AF1200U	AC cord	1	1		
		ARQ00VE4000U	AC cord			1	
42		ARK16ED37-WQ	Soup Scoop			1	

SCREW

		XTB4+12GFJ	Screw For PCB Base	1	1	1	
		XTB4+12GFJ	Screw For Body	4	4	4	
		XTT4+12GUW	Screw For Hinge	1	1	1	
		XYM4+E10FNS	Screw For Cast Heater	1	1	1	
		XYN4+C6FNS	Screw For Lead	2	2	2	
		XYA4+EF8FJ	Screw For Earth	1	1	1	
		XTT4+12GUW	Screw For Inner Cover	6	6	6	
		XTB4+12GFJ	Screw For Terminal	1	1	1	
		ARL25E382	Screw	1	1	1	

PACKING SPECIFICATIONS						
		ARZ01AF12-LN	Outer Carton	1		
		ARZ01AF13-LN	Outer Carton		1	
		ARZ01FF43-LN	Outer Carton			1
		ARZ04ED9400U	Top Filler	1	1	1
		ARZ11ED9400U	Bottom Filler	1	1	1
	△	ARZ19AF12	Operating Instructions	1	1	
		ARZ19FF43	Operating Instructions			1
		ARZ25FF43	Interleaf			1
		ARZ75E382	Plastic Bag	1	1	1
		ARZ57E7227	Packing Sheet	1	1	1
		ARZ80HD21	POS Label			1