

Service Manual

Automatic Rice Cooker

Model No. **SR-GA321 - NEW ZEALAND/VIETNAM**
SR-GA321S - PHILIPPINES
SR-GA321H - USA
SR-GA321FH - USA
SR-GA321SH - USA



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.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

Panasonic

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1 Safety Precautions

It is describing to be always looked after for the accident prevention at the time of the repair works and the safety ensuring of the product after work as follows.

The precautions listed below must be followed in order to prevent accidents during repair and ensure the safety of the product after repair.

■ The following labels describe the degree of danger and damage that might result through non-compliance with these precautions.

	Danger	This section warns of the urgent danger of death or serious injury.
	Warning	This section warns of the risk of death or serious injury.
	Caution	This section warns of the risk of injury or damage to property.

■ The following labels describe the types of rules that need to be followed.
(These labels are examples.)

	This label shows a "reminder" action to be paid attention to.
	This label shows a "prohibited" action.
	This label shows a "compulsory" action to be followed without fail.

Danger



High voltage

Be careful of electrical shocks caused by the high-voltage section of the IH circuit when the power is turned on.

The high-voltage section of the IH circuit includes a heat sink and heating coil terminal on the control board.

Warning

After repair, return wiring to its original condition.



Rotary parts or part extremities that contact lead may cause failure, electrical shock, or fire.

Unplug before repair.



Unplug

Make sure to unplug before disassembly, parts replacement, and assembly. Otherwise, electrical shock or injury may occur.

Use a designated part



Make sure to use a designated part when the part is marked in circuit diagrams and parts lists. Otherwise, smoke, fire, or failure may occur.

Wait until the rotary part has stopped completely.



Do not touch

You may injure your hands even when the part is rotating slowly.

Caution



Wear gloves for disassembly, replacement and assembly.

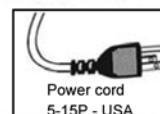
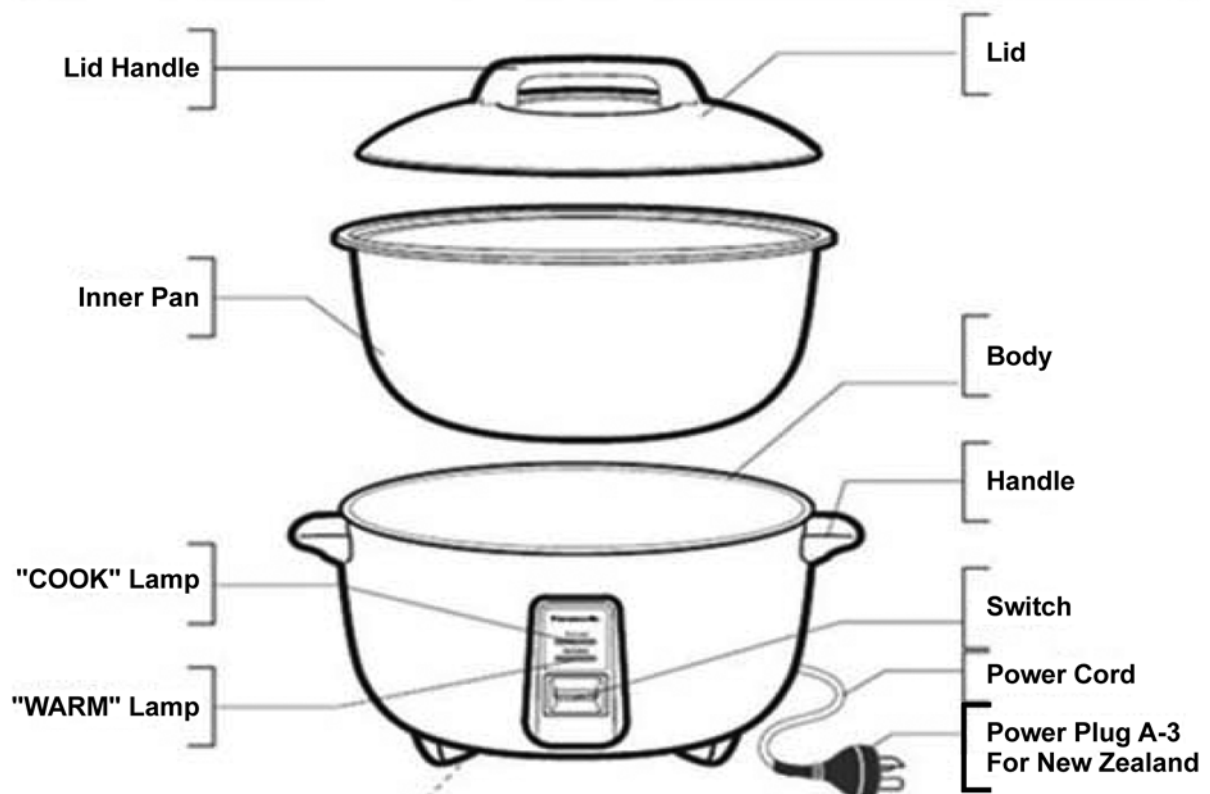
Make sure to wear gloves in order to prevent injuries by metal edges and electric shock when the power is turned on.

2 Specifications

Model No.	SR-GA321	SR-GA321	SR-GA321S	SR-GA321H	SR-GA321FH	SR-GA321SH
Country	NEW ZEALAND - WST	VIETNAM - LRA	PHILIPPINES - LSC	USA - (WVA/LVA)	USA - (WV/LV)	USA - (WV/LV)
Rated Voltage	240V~50Hz	220V~50Hz	220V~60Hz	120V~60Hz	120V~60Hz	120V~60Hz
Power consumption	1025W	1025W	1025W	1100W	1100W	1100W
Cooking Capacity	5-17 Cups (0.9 - 3.2L)	5-17 Cups (0.9 - 3.2L)	5-17 Cups (0.9 - 3.2L)	1.0 - 3.4 qts (0.9 - 3.2L)	1.0 - 3.4 qts (0.9 - 3.2L)	1.0 - 3.4 qts (0.9 - 3.2L)
Weight (Approx.)	4.6 kg	4.6 kg	5.6 kg	4.9 Kg	4.9 Kg	5.6 Kg
Powercord Plug type	A-3	SH-3	SH-3	5-15P	5-15P	5-15P

3 Location of Controls and Components

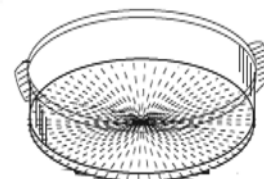
Parts Identification



Before using, remove the sheet of paper placed between the Heating Plate and Inner Pan.

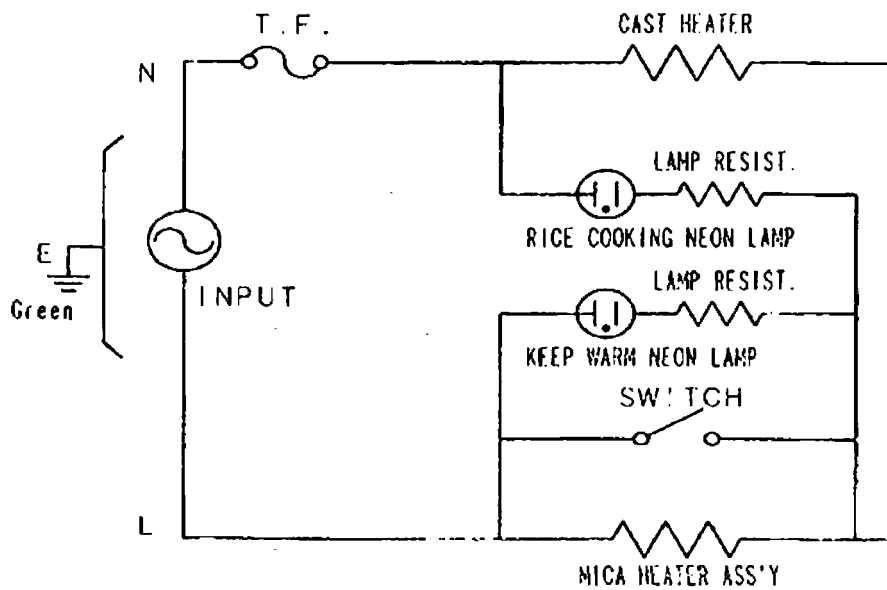
As the Power Cord is an important component, if it is damaged, please contact the service center for a replacement.

Accessories

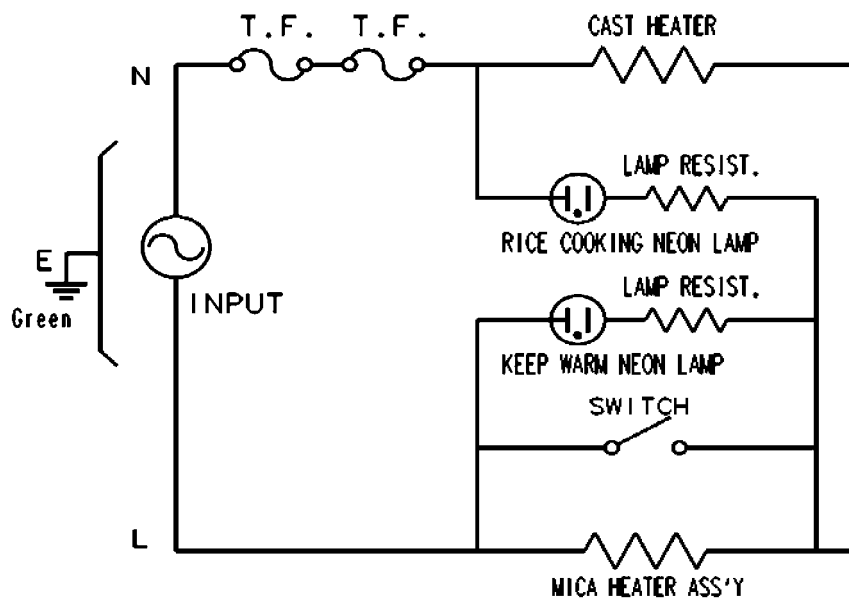


4 Schematic Diagram

SR-GA321WST(NEW ZEALAND), SR-GA321LRA(VIETNAM) &
SR-GA321SLSC(PHILIPPINES)



SR-GA321H [WVA/LVA] SR-GA321FH [WV/LV] SR-GA321SH [WV/LV] (USA)

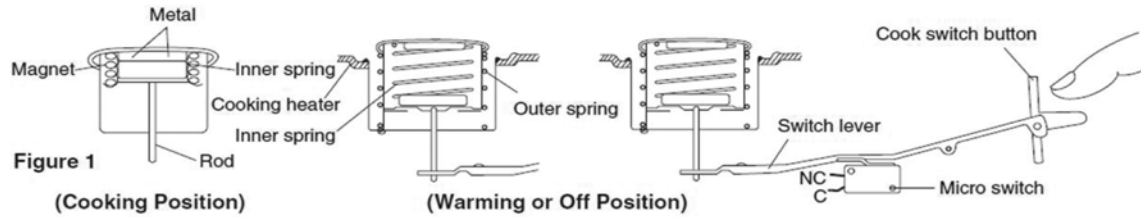


5 Function of Center Thermostat and Thermal Fuse

A. Center Thermostat

The center thermostat senses when the bottom of the rice cooker pan reach $134^{\circ}\text{C} \pm 6^{\circ}\text{C}$. And it's action turns off the cooking cycle and starts the warming cycle.

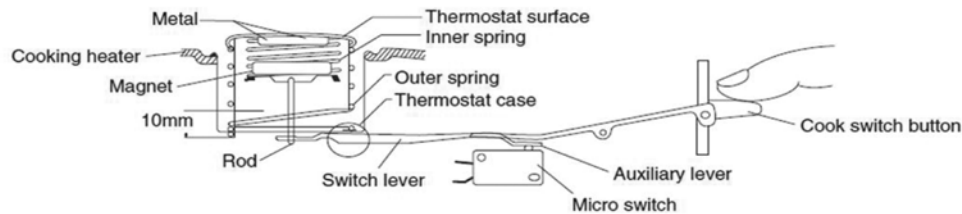
Center thermostat construction



Refer to these figures showing the center thermostat construction and cooking position. As the metal is heated, its ability to be attracted by the magnet decreases.

Finally, the inner spring pressure becomes stronger than the magnetic pull, the metal and magnet will pop apart. The rod activates the switch lever which causes the auxiliary lever to press the micro-switch button into the warming cycle.

B. Switch-On Preventive System



This is design to prevent the rice cooker from being turned on without the pan placed into position.

- 1) Normally when the pan is inserted properly into the rice cooker, the pan will depress the center thermostat. The center thermostat outer spring will be compressed. In this case when the switch button is depressed, the following will happen :
 - a. The auxiliary lever will release the micro-switch button. This puts the micro-switch in the cook position.
 - b. The switch lever will push the rod which will allow the magnet to meet with the metal.
 - c. When the rice is cooked and the proper temperature has been reached $134^{\circ}\text{C} \pm 6^{\circ}\text{C}$, the metal and magnet will pop apart as described in the center thermostat operation above.
 - d. The rod will push the switch lever and cause the auxiliary lever to depress the micro-switch button. This puts the micro-switch in the warming position.
- 2) When the pan is not in place within the rice cooker, the center thermostat is not depressed.
 - a. In this condition, the outer spring is not compressed within the center thermostat preventing the metal from reaching its normal operating position.
 - b. When the switch button is depressed, the switch lever and auxiliary lever work as above but the magnet cannot come in contact with the metal to hold the switch lever in the cook position. This happens because the switch lever hits the thermostat case and cannot push the rod with the magnet attached, all they way up to meet with the metal.
 - c. When the pressure is taken off the switch button, the switch lever releases immediately to the open or warm positions.

C. Thermal Fuse

The thermal fuse is used to open the circuit to the cooking heater when the temperature has gone unusually high. This happens in cases such as incomplete contact between the heater and pan or if the switch button is forced to stay on keeping the heater energized abnormally.

This fuse is not a resetting device and must be replaced after opening.

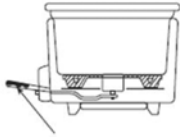
Whenever replacing the fuse make sure the protective cover is placed over all exposed wiring.

Cause of Fusion

A. Improper contact between heater and pan

Cause				
	Foreign matter adhering.	Pan collar or deformed. Body dented or deformed.	Pan bottom dented or deformed.	Heater surface deformed or corroded.
Remedy	Remove foreign matter by of (-) screw-driver, etc., and then polish with # 320 water paper while wetting it with water.	Repair or replace body.	Replace pan.	Replace cooking heater.

B. Forced application of current

Cause		
	Chopstick, wooden piece, etc., inserted onto cooking button. (continuous application of current)	Switch lever deformed or maladjusted, causing continuous application of current.
Remedy	Inserted to prevent earlier turning off? Refer to cause in (A) above.	Repair or replace parts.

When fusion takes place, check the cause, set right the faulty section and be sure to use the replacement parts.

6 Troubleshooting Guide

When receiving the cooker to be repaired, always take charge of not only the cooker body but also the pan and the lid, and ask for details as to the symptom of the trouble.

Furthermore, when making troubleshooting of each part, be sure to remove the power plug from the socket.

Symptom	Diagnosis	Remedy
- Cooking fails	<pre> graph TD Q1[Neon lamp on?] -- YES --> Q2[No continuity of cord?] Q1 -- NO --> Q3[No continuity of thermal fuse?] Q2 -- YES --> R1[Replace AC cord.] Q2 -- NO --> Q3 Q3 -- YES --> R2[Locate cause for fusing of thermal fuse and replace fuse.] Q3 -- NO --> Q4[No continuity of micro-switch?] Q4 -- YES --> R3[Replace lever.] Q4 -- NO --> Q5[No continuity of cast heater?] Q5 -- YES --> R4[Replace cast heater.] Q5 -- NO --> Q6[Switch lever properly adjusted?] Q6 -- NO --> R5[Adjust switch lever.] </pre>	- Replace AC cord. - Locate cause for fusing of thermal fuse and replace fuse. - Replace lever. - Replace cast heater. - Adjust switch lever.
- Earlier Switching-off - Poor cooking finish (i.e. too hard or soft, half-boiling)	<pre> graph TD Q1[Usage correct?] -- YES --> R1[Explain correct usage] Q1 -- NO --> Q2[Supply voltage low?] Q2 -- YES --> R2[Increase it to proper value.] Q2 -- NO --> Q3[Pan bottom, center thermostat and cast heater surfaces not fouled or heavily stuck with rice scraps. etc.?] Q3 -- YES --> R3[Remove foreign matter and explain cleaning method.] Q3 -- NO --> Q4[Poor contact between pan and cast heater? (Check with bubbling test.)] Q4 -- YES --> R4[Replace pan or cast heater.] Q4 -- NO --> Q5[Center thermostat defective? (Check with evaporation test.)] Q5 -- YES --> R5[Replace center thermostat.] </pre>	- Explain correct usage - Increase it to proper value. - Remove foreign matter and explain cleaning method. - Replace pan or cast heater. - Replace center thermostat.
- Warming fails	<pre> graph TD Q1[Cooking properly made?] -- NO --> R1[Refer to cooking fails.] Q1 -- YES --> Q2[No continuity of warm heater?] Q2 -- YES --> R2[Replace warm heater.] </pre>	- Refer to cooking fails. - Replace warm heater.
- Fusing of thermal fuse.	<pre> graph TD Q1[No continuity of micro-switch (Between C and NC) When cooking switch is off?] -- YES --> R1[Replace lever.] Q1 -- NO --> Q2[Usage correct?] Q2 -- NO --> R2[Explain correct usage.] </pre>	- Replace lever . - Explain correct usage.

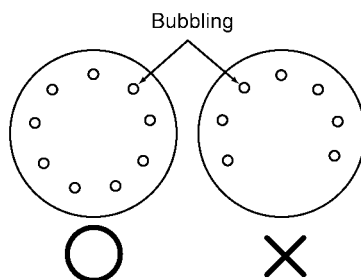
7 Test Mode

Judging Method of Defective Parts

7.1. Bubbling Test

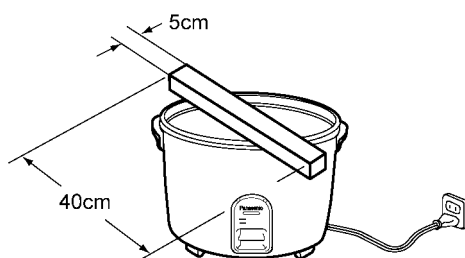
Put the pan in the cooker body and turn it lightly right-and-leftwards in order to allow the pan to properly contact the heating plate.

1. Put water in the pan to barely cover the center of the pan bottom, and turn on the cooking switch after the lid is placed.
2. When water has started boiling to issue steam, remove the lid and check the bubbling condition of the pan bottom immediately.
3. If bubbling takes place uniformly around the circumference of the pan bottom as shown in the figure, the cooker is considered free from trouble. However, if more than 1/4 of the pan circumference is not bubbling as shown in the righthand figure, the cooker is considered defective. Since the cause for this defect lies in poor contact of the pan bottom with the cooking heater, check if no foreign matter exists on the pan bottom or the cooking heater and if foreign matter is found, remove it or replace the parts.



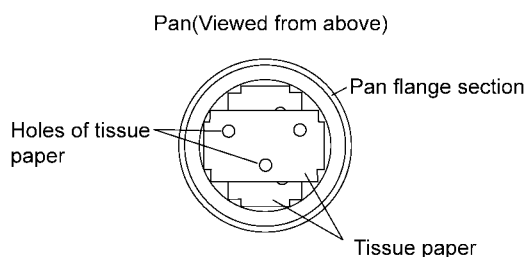
7.2. Evaporation Test

1. After satisfactory bubbling is confirmed, remove the lid and put a weight on the cooker.



Caution: To prevent heat distortion of plastic parts due to steam, be sure to fully open the lid.

2. Cover the entire pan bottom with 2 or 3 pieces of tissue paper (or gauze), and turn on the switch subsequently.



Caution: To prevent the tissue paper from being lifted by bubbling, make some holes in the paper beforehand.

3. The cooker is considered acceptable if the timing when steam generation comes to a stop after water of the pan bottom has evaporated, is within 1 minute before and after the cooking switch is turned off.

If these requirements are not satisfied, check the center thermostat as well as the contacted condition between the pan bottom and the cast heater, and then repair or replace the parts.

7.3. Switch Lever (Auxiliary Lever Adjustment)

The cooking switch turns on and off the micro-switch by means of a switch lever, utilizing the mechanical up/down movements of the center thermostat. Therefore, check this function in the following procedure.

7.3.1. Checking of Cooking Switch

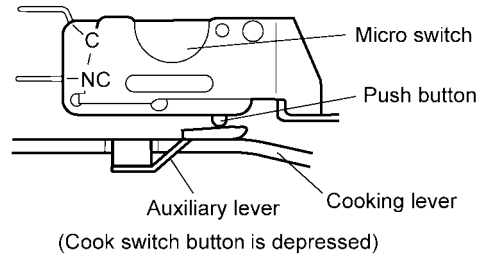
Put the pan in the body and plug in the cooker through a wattmeter.

1. When the cooking switch is turned on, the rated power consumption for cooking should be indicated on the wattmeter.
Furthermore, even when the cooking button is moved up and down to such an extent that the cooking switch is not turned off (i.e. even when moved by the lever gap), this rated cooking power should be being consumed.
2. Turning off the cooking switch should indicate "45W" on the wattmeter.

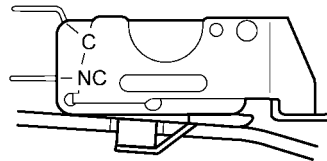
7.3.2. Switch Lever Adjustment

Put the pan in the body.

1. When the cooking switch is on, the auxiliary lever should not be in contact with the push button of micro-switch.



2. When it is off, the auxiliary lever should be in contact with the bottom surface of micro-switch.

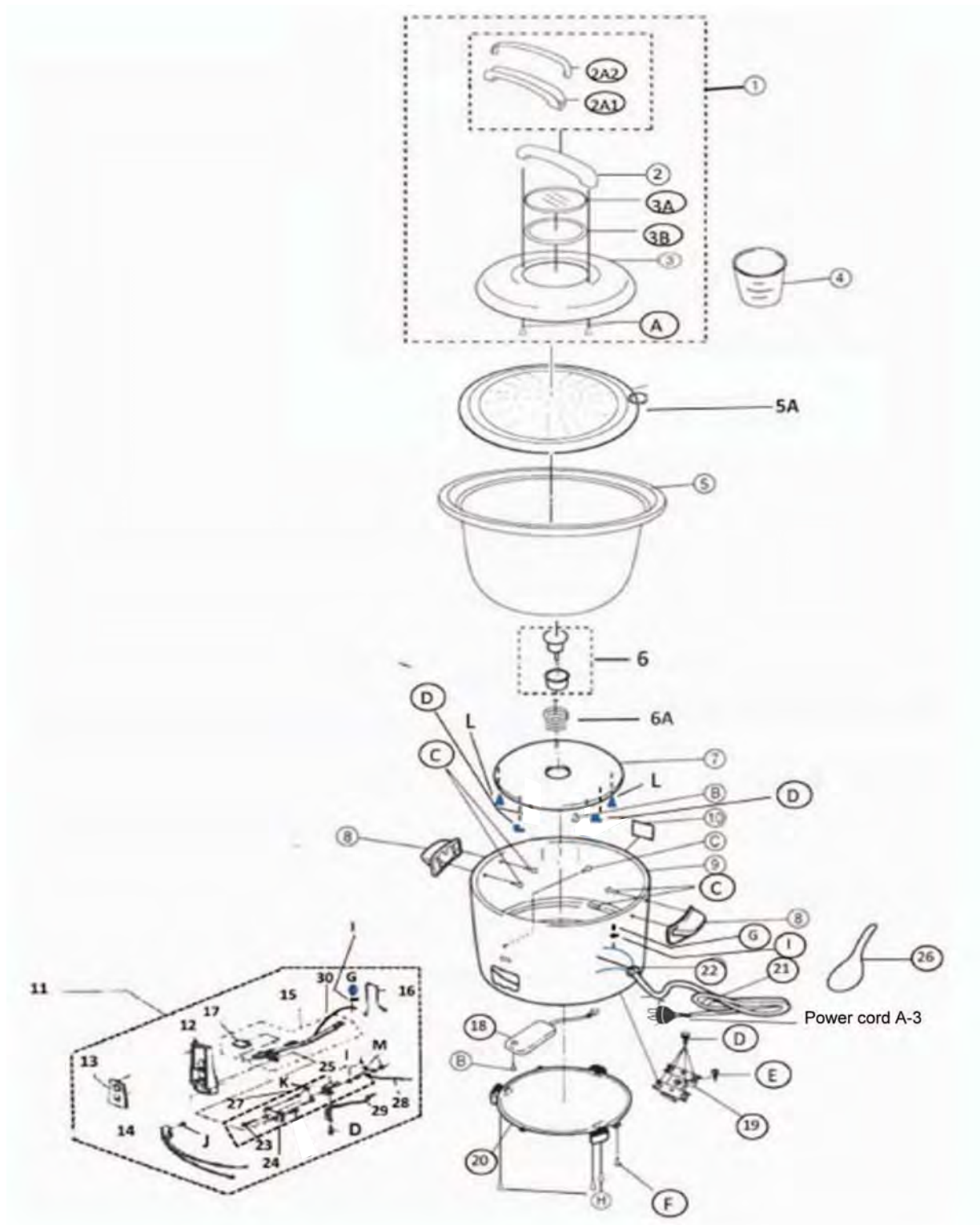


Adjust the auxiliary lever by bending its roots section, with a regular screwdriver in such a manner that the above requirements a) and b) are met. Then, check the cooking switch again in accordance with the procedure given in "Checking of Cooking Switch" above.

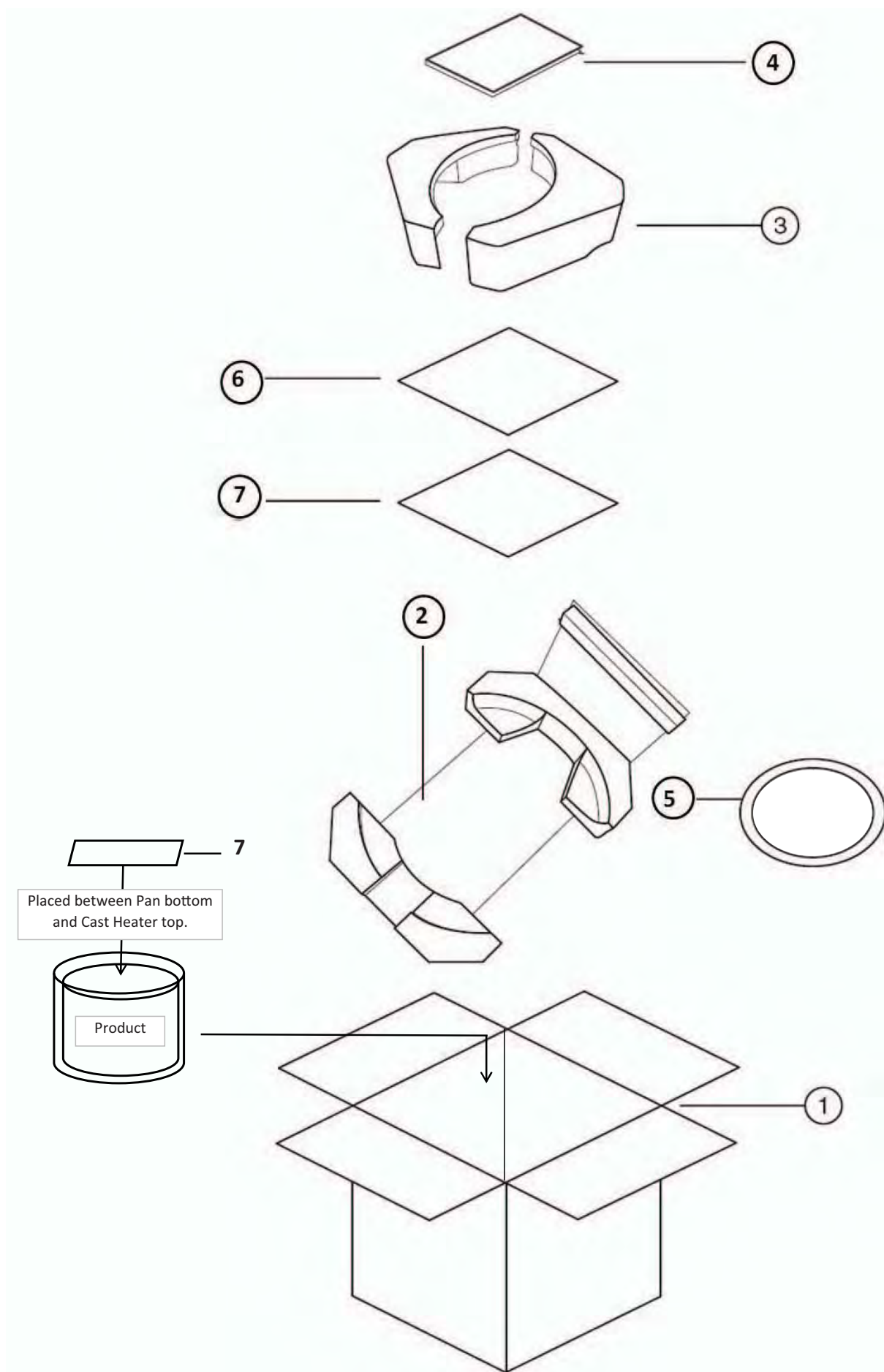
8 Exploded View and Replacement Parts List

8.1. MODEL : SR-GA321 (NEW ZEALAND - WST)

8.1.1. Exploded View



8.1.2. Packing specification : Model No. SR-GA321 (NEW ZEALAND - WST)



8.1.3. Replacement Part List : Model No. SR-GA321 (NEW ZEALAND - WST)

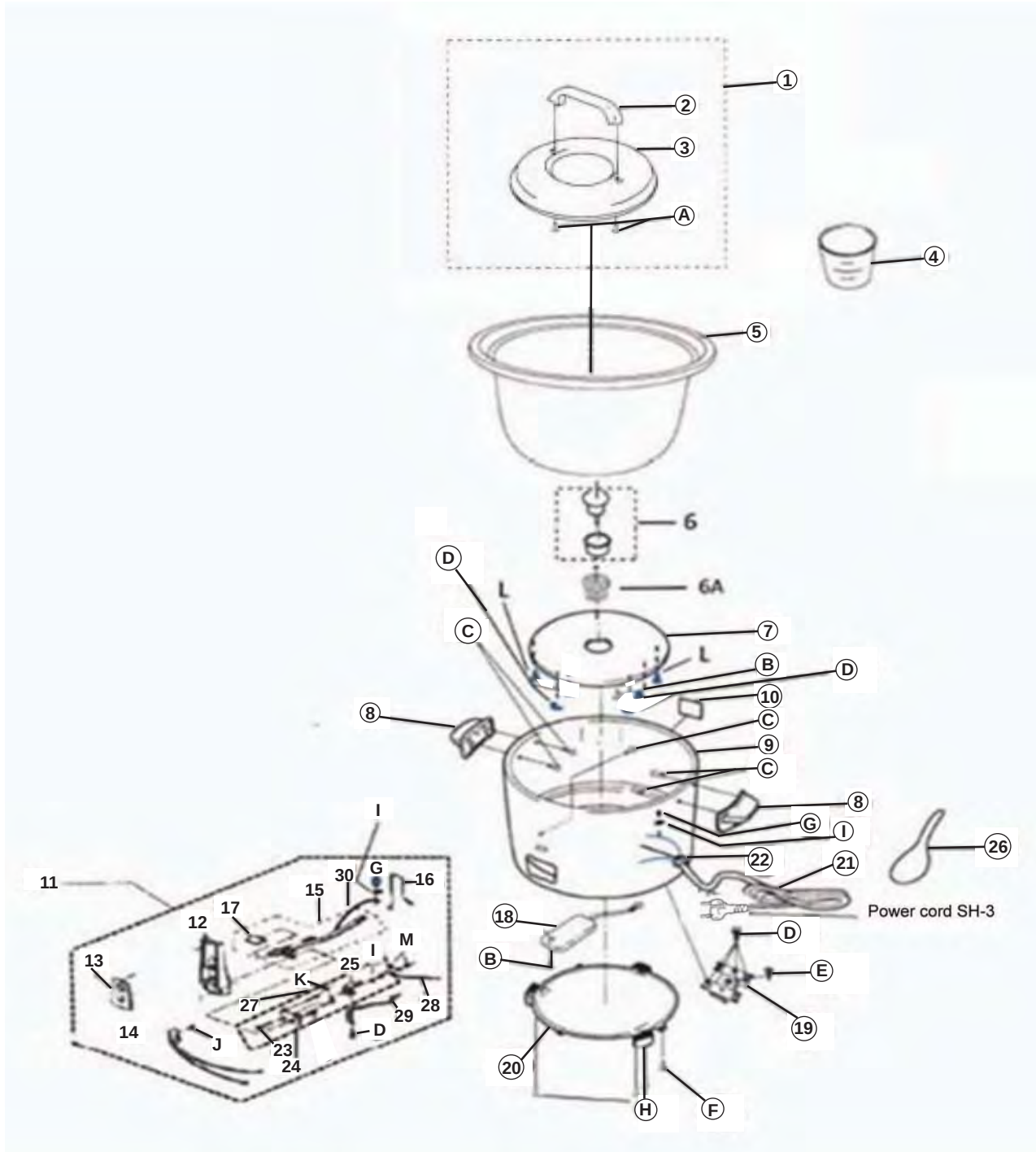
Notes : Important safety notice

- Components identified by △ mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."

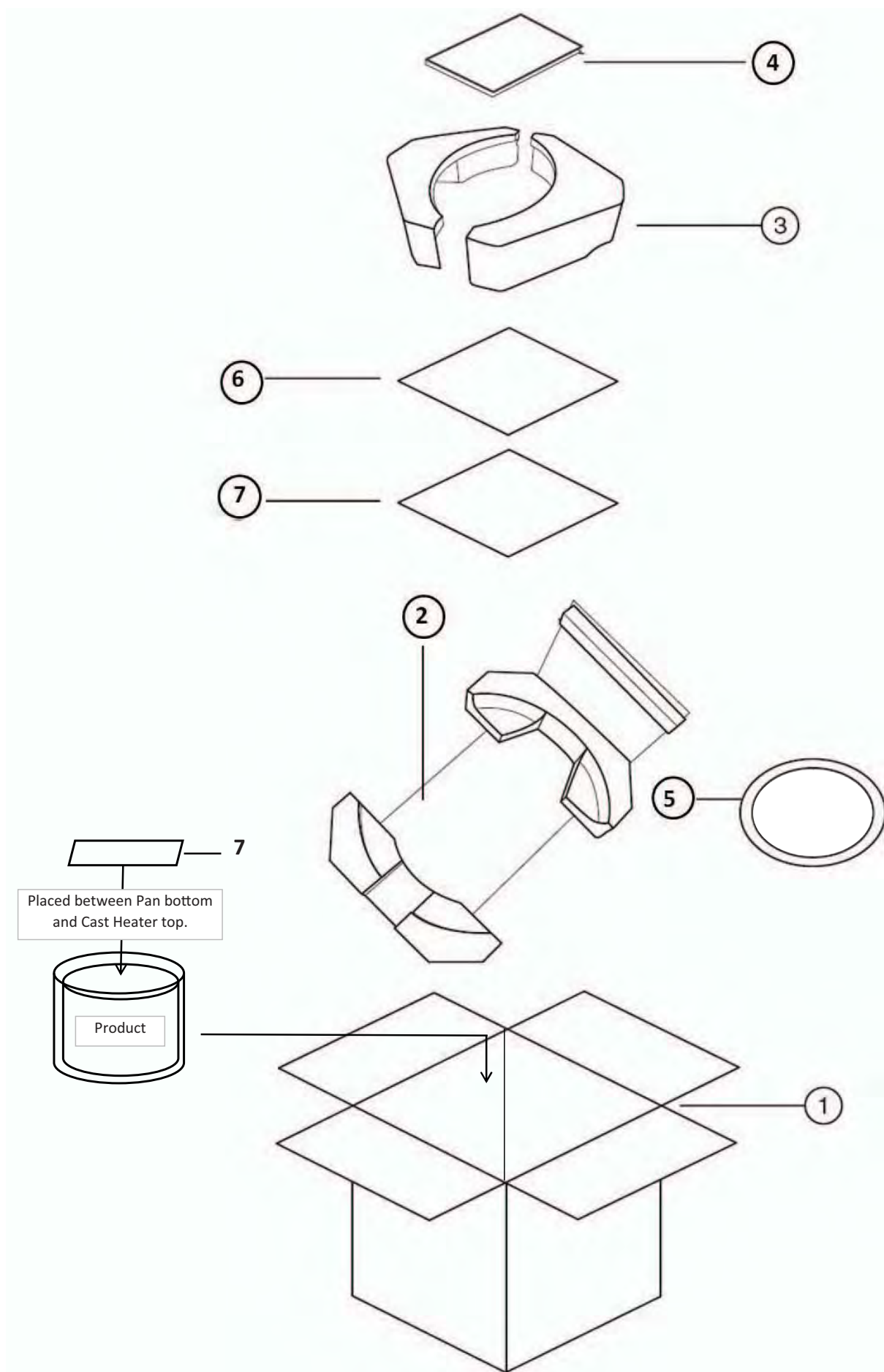
Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321 NEW ZEALAND (WST)	
< PARTS LIST >					
	1	AQB01H540-00U	Lid Ass'ly	1	
	2	ASR145-424-K	Lid Knob Set	1	
	2A1	SR144-509-K	Lid knob	1	
	2A2	SR146-509AK	Lid knob Cover	1	
	3	AQB01H540	Lid	1	
	3A	SR147-509AK	Glass Lid	1	
	3B	SR149-5091K	Packing Rubber	1	
	4	AQK00D100	Measuring Cup	1	
	5	AQE50H556	Aluminium Pan	1	
	5A	AQK21-540-00U	Cooking Plate Ass'y	1	
⚠	6	AQS00T293-00U	Centre Thermostat	1	
	6A	ASR61H616	Outer Spring	1	
⚠	7	AQL20M556-00U	CastHeater Ass'ly	1	
	8	AQE30-540-K0	Handle	2	
	9	AQE13-556-W9U	Body Comp.	1	White (W-51)
⚠	10	AQY50N556-W9	Name Plate	1	
⚠	11	AQN00-556-W9U	Switch Ass'y	1	
	12	AQN10-556-W9	Switch Panel	1	
	13	AQN21-540-W9	Decorative Panel	1	
⚠	14	AQN85-556-00U	Lamp Board Ass'y	1	
⚠	15	AQN30-556-00U	Switch Lever Comp.	1	
⚠	16	AQN50-556-00U	Thermal Fuse Unit	1	
	17	AQN31-556-W9	Switch Button	1	
⚠	18	AQL70-556-00U	Mica Heater Ass'ly	1	
⚠	19	AQL92-556-00U	Wiring Terminal Ass'y	1	
	20	AQH20-540-W9U	Bottom plate Ass'ly	1	
⚠	21	AQQ00N556-00U	Power cord Ass'ly	1	A-3
	22	SR577Z658-K	Cord Bushing	1	
	23	XVG4B20FNS	Bolt	1	For Terminal Assy.
	24	ASR231T591-K	Terminal Base	1	For Terminal Assy.
⚠	25	AQN70T294-00U	Blade Comp.	1	For Terminal Assy.
	26	AQK10D100-W9	Scoop	1	
⚠	27	AQN92-540-00U	Terminal Ass'ly	1	
⚠	28	AQL32D100	Lead wire	1	Red
⚠	29	AQN02-540	Switch lead wire	1	
⚠	30	AQN66-540	Lever Earth leadwire	1	

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321 NEW ZEALAND (WST)	
< SCREWS AND FASTENERS LIST >					
	A	XTN5+10BVW	Tapping Screw	2	For Lid Knob set
	B	XYN5+C10FNS	Sems Screw	1	For Cast Heater Ass'ly
	B	XYN5+C10FNS	Sems Screw	1	For Mica Heater Ass'ly
	C	XTN4+10BFJ	Tapping Screw	4	For Handle
	C	XTN4+10BFJ	Tapping Screw	1	For Switch Ass'y
	D	XYN4+C7FNS	Sems Screw	6	For Internal wiring
	D	XYN4+C7FNS	Sems Screw	1	For Terminal Ass'ly
	E	XTN4+20BFJ	Tapping Screw	1	For Wiring Terminal Ass'y
	F	PK52-4871	Tapping Screw	1	For Bottom plate Ass'ly
	G	XTN4+8FFJ	Tapping Screw	2	For Lever Earth lead wire & Powercord Earth wire.
	H	XTN4+8BFJ	Tapping Screw	3	For Stand of Bottom Plate
	I	XWA4BPW	Spring washer	2	For Lever Earth lead wire & Powercord Earth wire.
	I	XWA4BPW	Spring washer	1	For Terminal Ass'ly
	J	XTN3+8BFJ	Tapping Screw	1	For Lamp Board Ass'y
	K	XTN5+16BFJ	Tapping Screw	2	For Switch lever Ass'y
	L	SR471-4441N	Special Screw Rivet	2	For Cast Heater
	M	XNG4CBWS	Nut	1	For Terminal Ass'ly
< PACKING SPECIFICATIONS >					
	1	AQZ01N556-W9	Packing Case	1	
	2	AQZ16H556-00U	Lowerplate Unit	1	
	3	AQZ11-540	Upper Pad	1	1 Set
⚠	4	AQY00N556	Operating Instructions	1	
	5	AQZ17H540	Packing Paper	1	Packing between Lid and Pan.
	6	AQZ75-540	Plastic Sheet	1	For Lid
	7	AQZ33H540	Rust Proof Paper	1	

8.2.1. Exploded View



8.2.2. Packing specification : Model No. SR-GA321 (VIETNAM - LRA)



8.2.3. Replacement Part List : Model No. SR-GA321 (VIETNAM - LRA)

Notes : Important safety notice

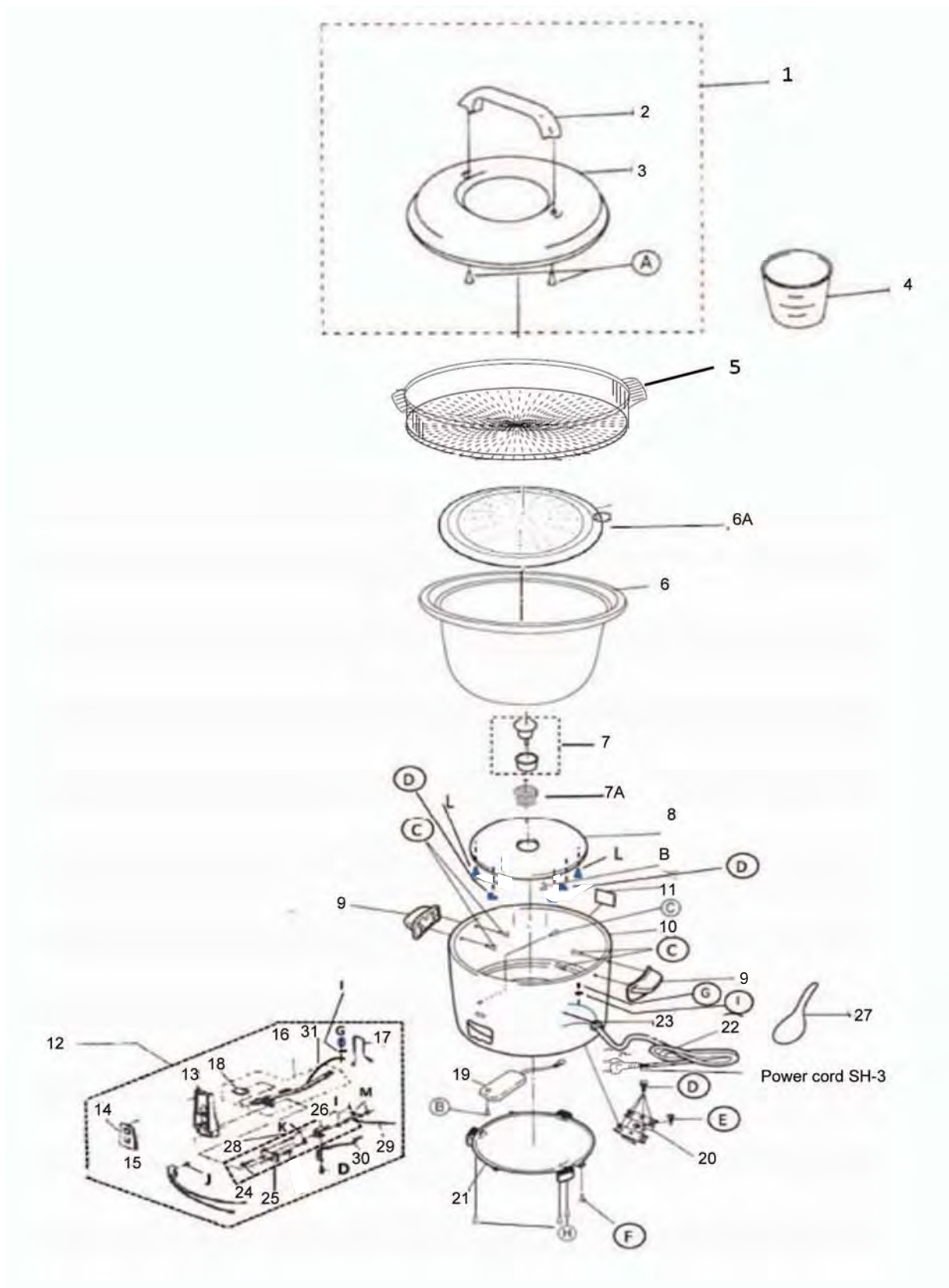
- Components identified by △ mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321 VIETNAM (LRA)	
< PARTS LIST >					
	1	AQB01-540100U	Lid Ass'ly	1	
	2	AQB10D104-K0	Lid Handle	1	
	3	AQB01-540	Lid	1	
	4	AQK00D100	Measuring Cup	1	
	5	AQE50H556	Aluminium Pan	1	
⚠	6	AQS00T293-00U	Centre Thermostat	1	
	6A	ASR61H616	Outer Spring	1	
⚠	7	AQL20H556-00U	CastHeater Ass'ly	1	
	8	AQE30-540-K0	Handle	2	
	9	AQE13-556-LNU	Body Comp.	1	
⚠	10	AQY50X556-LN	Name Plate	1	
⚠	11	AQN00-556-W9U	Switch Ass'y	1	
	12	AQN10-556-W9	Switch Panel	1	
	13	AQN21-540-W9	Decorative Panel	1	
⚠	14	AQN85-556-00U	Lamp Board Ass'y	1	
⚠	15	AQN30-556-00U	Switch Lever Comp.	1	
⚠	16	AQN50-556-00U	Thermal Fuse Unit	1	
	17	AQN31-556-W9	Switch Button	1	
⚠	18	AQL70-556-00U	Mica Heater Ass'ly	1	
⚠	19	AQL92-556-00U	Wiring Terminal Ass'y	1	
	20	AQH20-540-W9U	Bottom plate Ass'ly	1	
⚠	21	AQQ00V540-00U	Power cord Ass'ly	1	SH-3
	22	SR577Z658-K	Cord Bushing	1	
	23	XVG4B20FNS	Bolt	1	For Terminal Assy.
	24	ASR231T591-K	Terminal Base	1	For Terminal Assy.
⚠	25	AQN70T294-00U	Blade Comp.	1	For Terminal Assy.
	26	AQK10D100-W9	Scoop	1	
⚠	27	AQN92-540-00U	Terminal Ass'ly	1	
⚠	28	AQL32D100	Lead wire	1	Red
⚠	29	AQN02-540	Switch lead wire	1	
⚠	30	AQN66-540	Lever Earth leadwire	1	

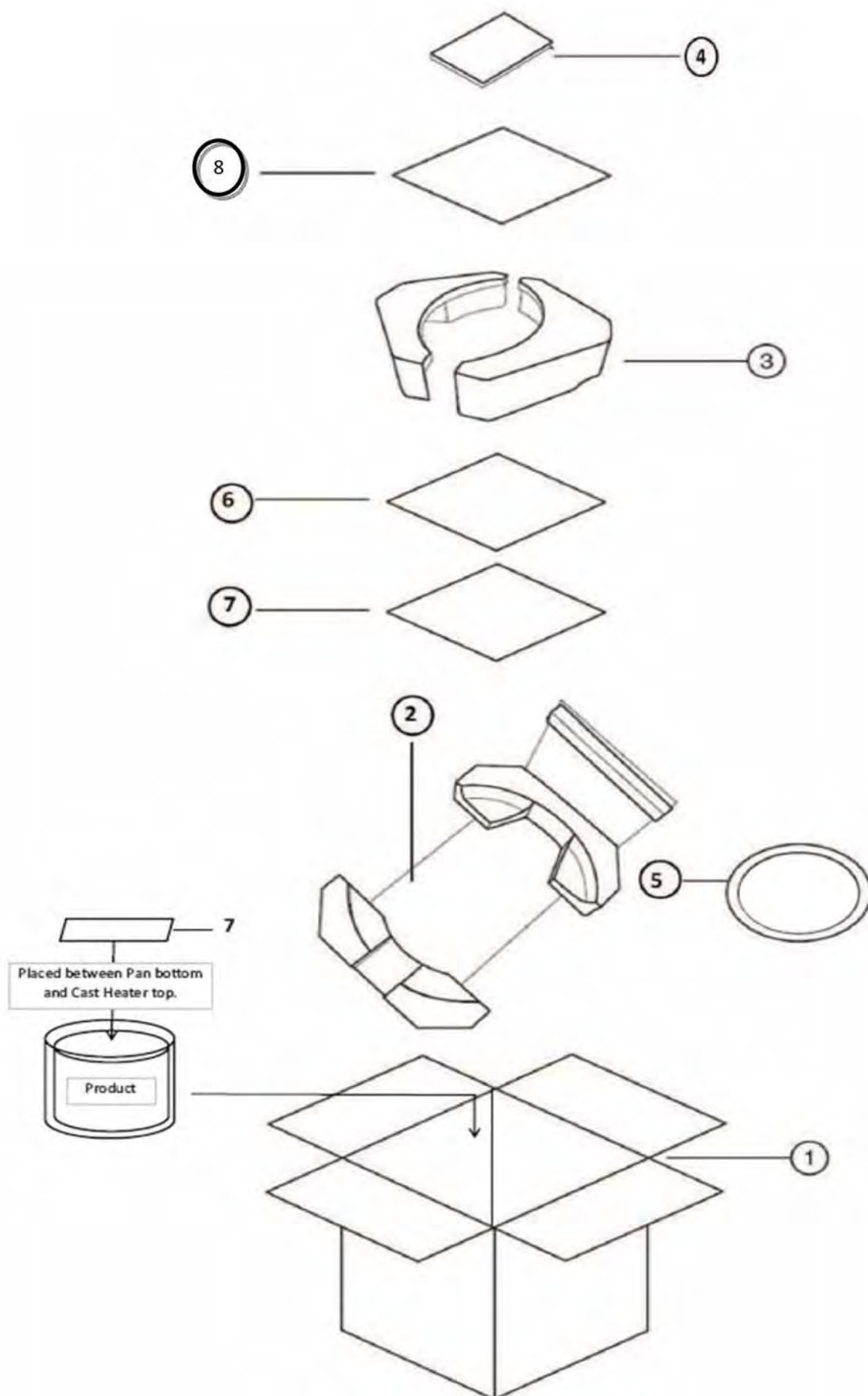
Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321 VIETNAM (LRA)	
< SCREWS AND FASTENERS LIST >					
	A	XTN5+10BVW	Tapping Screw	2	For Lid Knob set
	B	XYN5+C10FNS	Sems Screw	1	For Cast Heater Ass'ly
	B	XYN5+C10FNS	Sems Screw	1	For Mica Heater Ass'ly
	C	XTN4+10BFJ	Tapping Screw	4	For Handle
	C	XTN4+10BFJ	Tapping Screw	1	For Switch Ass'y
	D	XYN4+C7FNS	Sems Screw	6	For Internal wiring
	D	XYN4+C7FNS	Sems Screw	1	For Terminal Ass'ly
	E	XTN4+20BFJ	Tapping Screw	1	For Wiring Terminal Ass'y
	F	PK52-4871	Tapping Screw	1	For Bottom plate Ass'ly
	G	XTN4+8FFJ	Tapping Screw	2	For Lever Earth lead wire & Powercord Earth wire.
	H	XTN4+8BFJ	Tapping Screw	3	For Stand of Bottom Plate
	I	XWA4BPW	Spring washer	2	For Lever Earth lead wire & Powercord Earth wire.
	I	XWA4BPW	Spring washer	1	For Terminal Ass'ly
	J	XTN3+8BFJ	Tapping Screw	1	For Lamp Board Ass'y
	K	XTN5+16BFJ	Tapping Screw	2	For Switch lever Ass'y
	L	SR471-4441N	Special Screw Rivet	2	For Cast Heater
	M	XNG4CBWS	Nut	1	For Terminal Ass'ly
< PACKING SPECIFICATIONS >					
	1	AQZ01X556-LN	Packing Case	1	
	2	AQZ16H556-00U	Lowerplate Unit	1	
	3	AQZ11-540	Upper Pad	1	1 Set
⚠	4	AQY00X556	Operating Instructions	1	
	5	AQZ17H540	Packing Paper	1	Packing between Lid and Pan.
	6	AQZ75-540	Plastic Sheet	1	For Lid
	7	AQZ33H540	Rust Proof Paper	1	

8.3. MODEL : SR-GA321S (PHILIPPINES - LSC)

8.3.1. Exploded View



8.3.2. Packing specification : Model No. SR-GA321S (PHILIPPINES - LSC)



8.3.3. Replacement Part List : Model No. SR-GA321S (PHILIPPINES - LSC)

Notes : Important safety notice

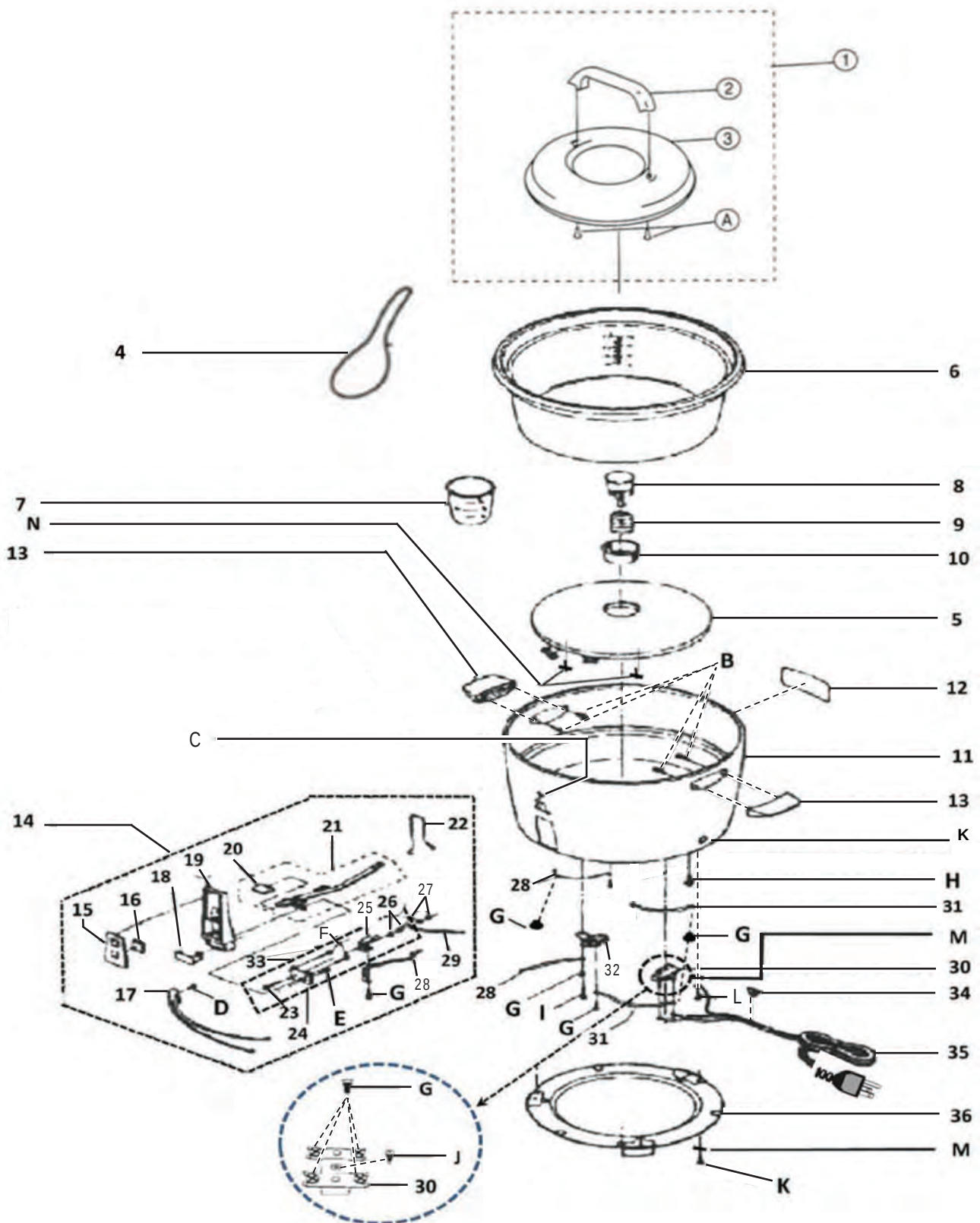
- Components identified by △ mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321S PHILIPPINES (LSC)	
< PARTS LIST >					
	1	AQB01-540100U	Lid Ass'ly	1	
	2	AQB10D104-K0	Lid Handle	1	
	3	AQB01-540	Lid	1	
	4	AQK00D100	Measuring Cup	1	
	5	AQK25-556-C0	Steaming Basket	1	
	6	AQE50H556	Aluminium Pan	1	
	6A	AQK21-540-00U	Cooking Plate Ass'y	1	
△	7	AQS00T293-00U	Center Thermostat	1	
	7A	ASR61H616	Outer Spring	1	
△	8	AQL20H556-00U	CastHeater Ass'ly	1	
	9	AQE30-540-K0	Handle	2	
	10	AQE13-556-LNU	Body Comp	1	
△	11	AQY50K599-LN	Name Plate	1	
△	12	AQN00-556-W9U	Switch Ass'y	1	
	13	AQN10-556-W9	Switch Panel	1	
	14	AQN21-540-W9	Decorative Panel	1	
△	15	AQN85-556-00U	Lamp Board Ass'y	1	
△	16	AQN30-556-00U	Switch Lever Comp.	1	
△	17	AQN50-556-00U	Thermal Fuse Unit	1	
	18	AQN31-556-W9	Switch Button	1	
△	19	AQL70-556-00U	Mica Heater Ass'y	1	
△	20	AQL92-556-00U	Wiring Terminal Ass'y	1	
	21	AQH20-540-W9U	Bottom Plate Ass'y	1	
△	22	AQQ00V540-00U	Power Cord Ass'y	1	SH-3
	23	SR577Z658-K	Cord Bushing	1	
	24	XVG4B20FNS	Bolt	1	For Terminal Assy.
	25	ASR231T591-K	Terminal Base	1	For Terminal Assy.
△	26	AQN70T294-00U	Blade Comp.	1	For Terminal Assy.
	27	AQK10D100-W9	Scoop	1	
△	28	AQN92-540-00U	Terminal Ass'y	1	
△	29	AQL32D100	Lead Wire	1	Red
△	30	AQN02-540	Switch Lead Wire	1	
△	31	AQN66-540	Lever Earth Lead Wire	1	

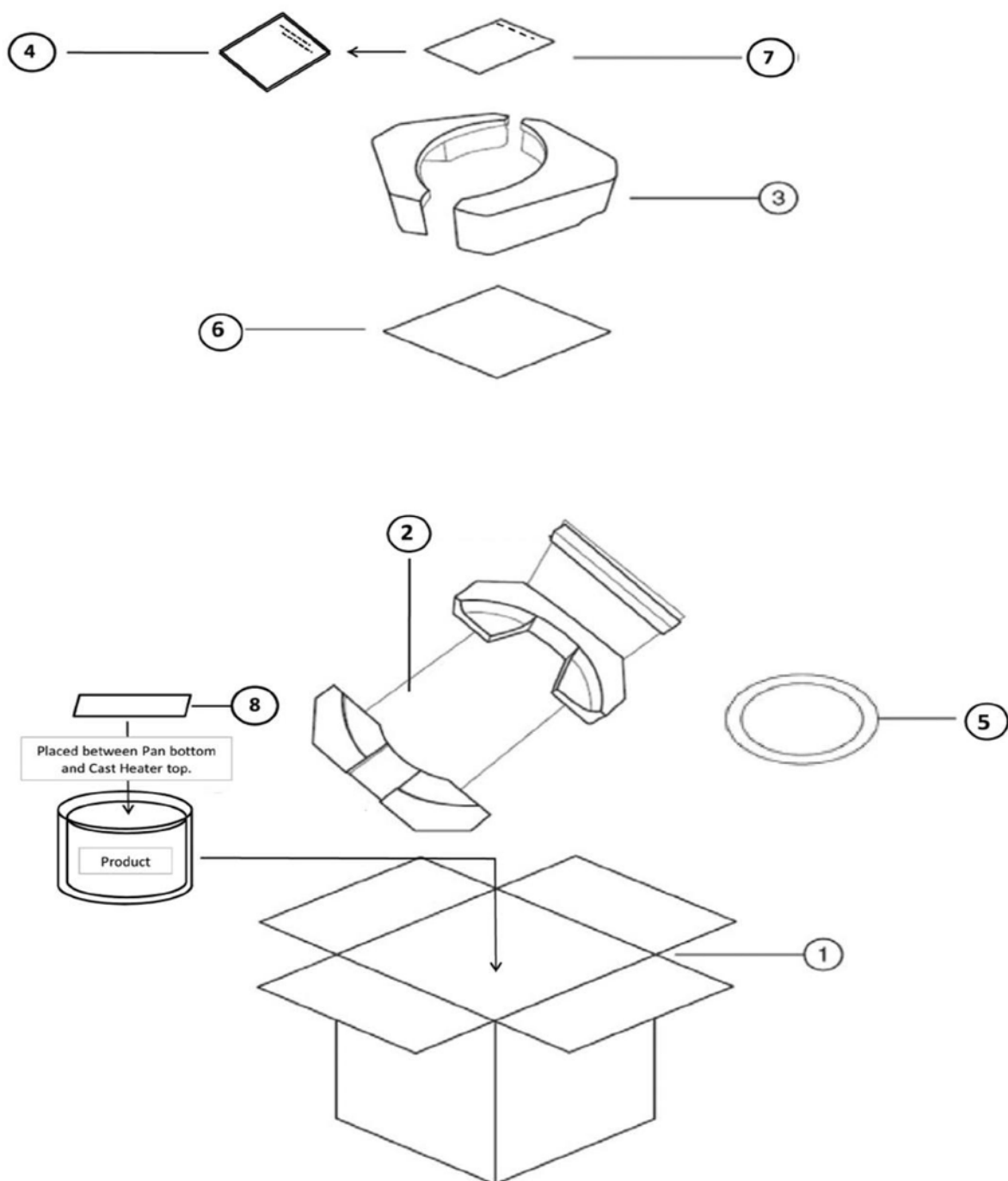
Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321S PHILIPPINES (LSC)	
< SCREWS AND FASTENERS LIST >					
	A	XTN5+10BVW	Tapping Screw	2	For Lid Knob set
	B	XYN5+C10FNS	Sems Screw	1	For Cast Heater Ass'ly
	B	XYN5+C10FNS	Sems Screw	1	For Mica Heater Ass'ly
	C	XTN4+10BFJ	Tapping Screw	4	For Handle
	C	XTN4+10BFJ	Tapping Screw	1	For Switch Ass'y
	D	XYN4+C7FNS	Sems Screw	6	For Internal wiring
	D	XYN4+C7FNS	Sems Screw	1	For Terminal Ass'ly
	E	XTN4+20BFJ	Tapping Screw	1	For Wiring Terminal Ass'y
	F	PK52-4871	Tapping Screw	1	For Bottom plate Ass'ly
	G	XTN4+8FFJ	Tapping Screw	2	For Lever Earth lead wire & Powercord Earth wire.
	H	XTN4+8BFJ	Tapping Screw	3	For Stand of Bottom Plate
	I	XWA4BPW	Spring washer	2	For Lever Earth lead wire & Powercord Earth wire.
	I	XWA4BPW	Spring washer	1	For Terminal Ass'ly
	J	XTN3+8BFJ	Tapping Screw	1	For Lamp Board Ass'y
	K	XTN5+16BFJ	Tapping Screw	2	For Switch lever Ass'y
	L	SR471-4441N	Special Screw Rivet	2	For Cast Heater
	M	XNG4CBWS	Nut	1	For Terminal Ass'ly
< PACKING SPECIFICATIONS >					
	1	AQZ01K599-LN	Packing Case	1	
	2	AQZ16H556-00U	Lowerplate Unit	1	
	3	AQZ11-540	Upper Pad	1	1 Set
⚠	4	AQY00K599	Operating Instructions	1	
	5	AQZ17H540	Packing Paper	1	Packing between Lid and Pan.
	6	AQZ75-540	Plastic Sheet	1	For Lid
	7	AQZ33H540	Rust Proof Paper	1	
	8	AQZ18-586	Layer Pad	2	

8.4. MODEL : SR-GA321H (USA - WVA/LVA)

8.4.1. Exploded View



8.4.2. Packing specification : Model No. SR-GA321H (USA - WVA/LVA)



8.4.3. Replacement Part List : Model No. SR-GA321H (USA - WVA/LVA)

Notes : Important safety notice

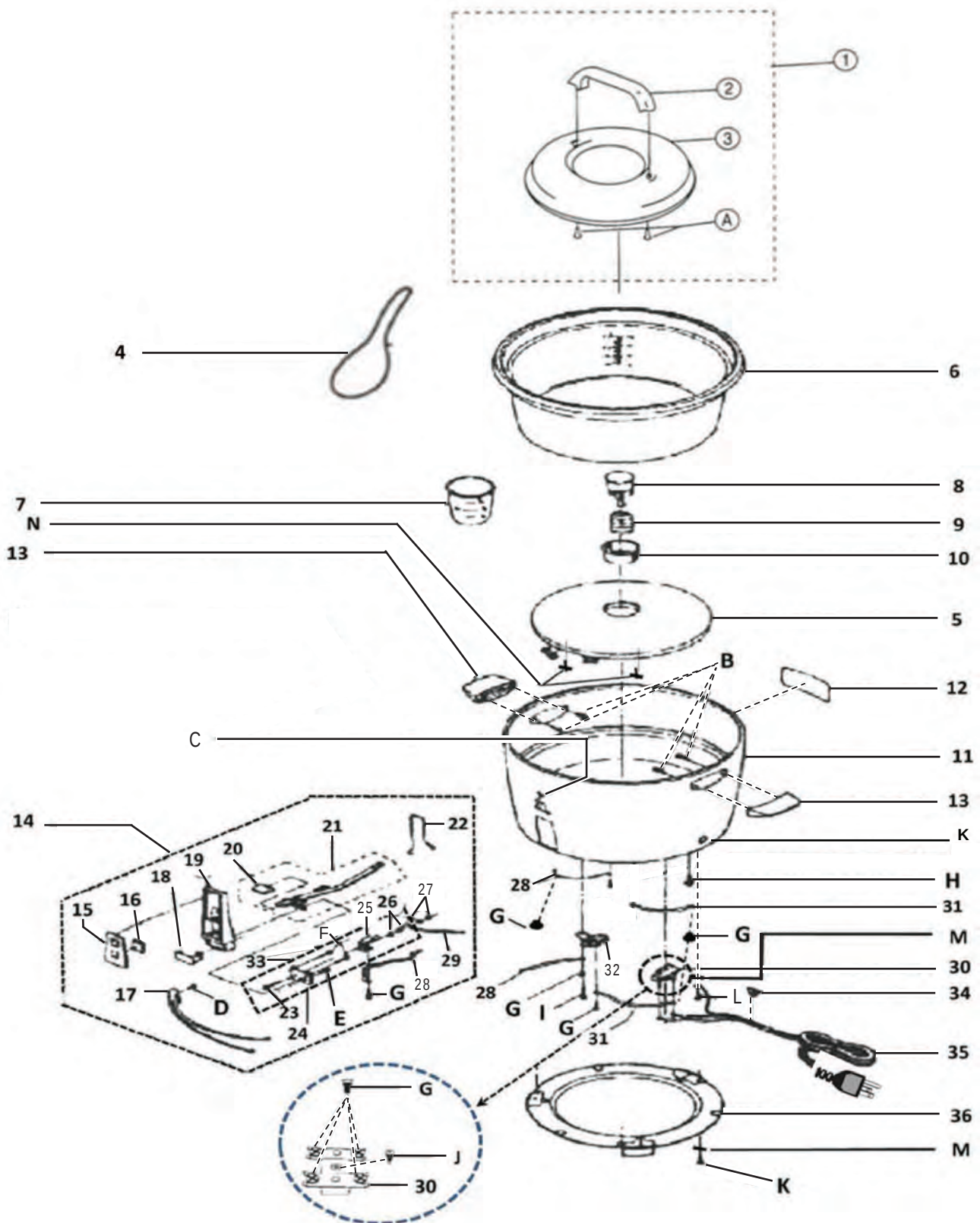
- Components identified by △ mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321H (USA-WVA/LVA)	
< PARTS LIST >					
	1	AQB01A562-00U	Lid Ass'ly	1	
	2	ASR145-424-K	Lid Knob	1	
	3	AQB01A562	Lid	1	
	4	ASR796-454AK	Scoop	1	Deluxe
△	5	AQL20A610-00U	Cast Heater Ass'y	1	Sheath heater , 120V
	6	AQE50A610	Pan	1	A3004-0 t=1.5
	7	ASR792-454BK	Measuring Cup	1	
△	8	AQS00T293-00U	Center Thermostat	1	
	9	RS61H616	Outer Spring	1	
	10	SR310T607-W	Outer Case	1	
	11	AQE13A610-LNU	Body Comp	1	Crystal Silver (DMC-H-12)
	11	AQE13A610-W9U	Body Comp	1	White (W-51)
△	12	AQY50A610-LN	Name plate	1	Crystal Silver (DMC-H-12)
△	12	AQY50A610-W9	Name plate	1	White (W-51)
	13	AQE30-540-K0	Handle	2	
△	14	AQN00A607-W9U	Switch Ass'y	1	
	15	AQN21-540-W9	Decorative Panel	1	
	16	ASR266T492-K	Lamp Filter (red)	1	
△	17	AQN85A607-00U	Lamp Board Ass'y	1	
	18	AQN11A607-W9	Switch Panel Cover	1	
△	19	AQN10A607-W9	Switch Panel	1	
	20	ASR252T419AK	Switch Button	1	
	21	AQN30A540-00U	Swich Lever comp	1	
△	22	AQN50A607-00U	Thermal Fuse Unit	1	
	23	XVG4B20FNS	Bolt	1	For Terminal Assy.
	24	ASR231T591-K	Terminal Base	1	For Terminal Assy.
△	25	AQN70T294-00U	Blade Comp.	1	For Terminal Assy.
	26	XWA4BPW	Spring Washer	2	For Terminal Assy / Lead Wire D
	27	XNG4CBWS	Nut	2	For Terminal Assy / Lead Wire D
△	28	AQN60A540	Leadwire (Red)	3	
△	29	AQN61A610	Leadwire D	1	
△	30	AQL92A540	Wiring Terminal Assly	1	
△	31	AQL61A540	Leadwire B (White)	2	
△	32	AQL70A609-00U	Mica Heater Ass'y	1	
△	33	AQN92A540100U	Terminal Assly	1	
	34	ASR577U618AK	Cord Bushing	1	
△	35	AQQ00A540-00U	Power Cord Assly	1	TASHIN/KAIHUA 5-15P Type
	36	AQH20-5401W9U	Bottom Plate Assly	1	

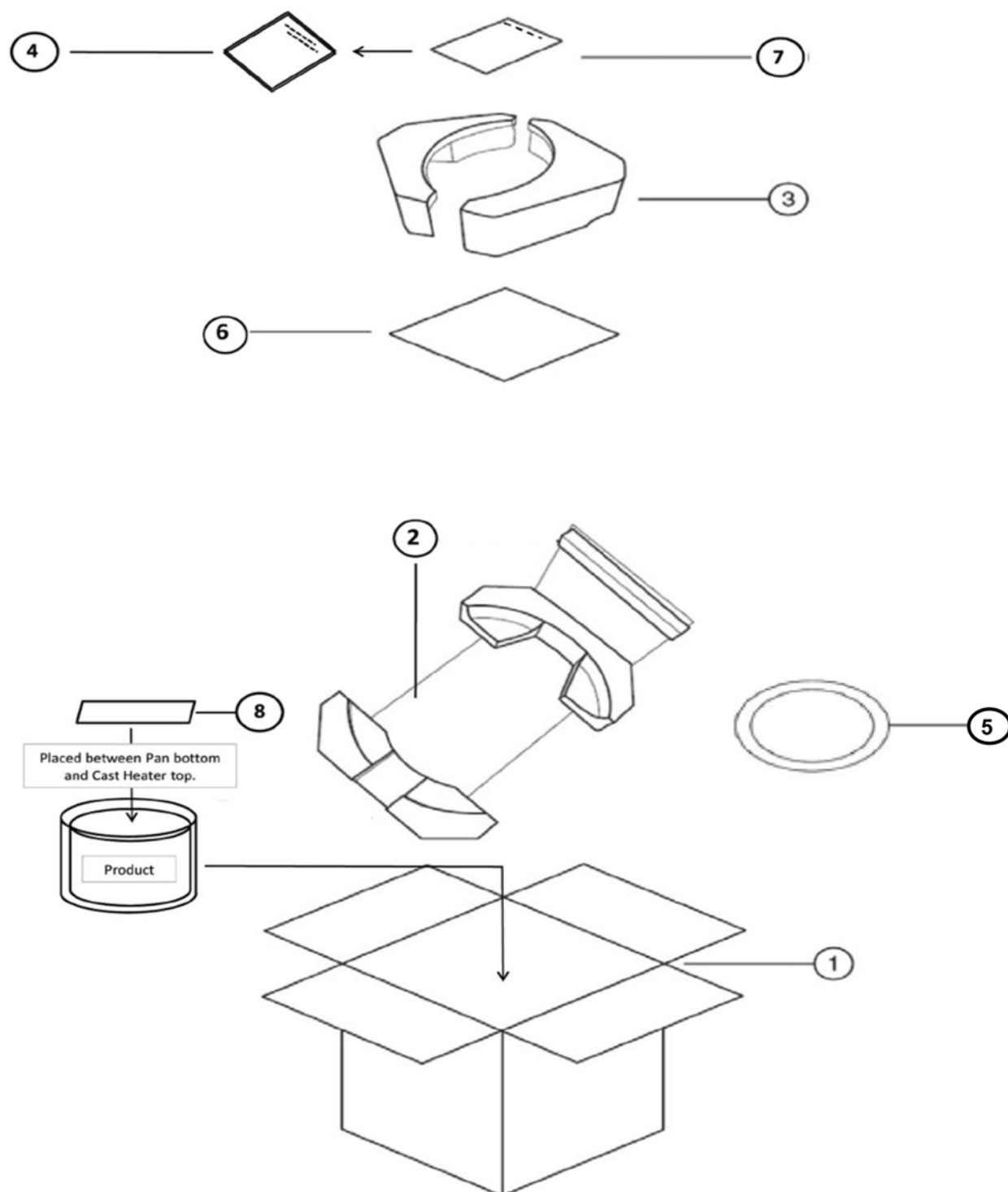
Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321H (USA-WVA/LVA)	
< SCREWS AND FASTENERS LIST >					
	A	XTN5+10BVW	Tapping Screw	2	For Lid Knob
	B	XTN4+10BFJ	Tapping Screw	4	Screw for Handle
	C	XTN4+8BFJ	Tapping Screw	1	For Switch Assly
	D	XTN3+6BFU	Screw	1	For Lamp Board Assly
	E	XTN4+16BFJ	Tapping Screw	1	For Switch Panel Cover
	F	XTN5+16BFJ	Tapping Screw	2	For Switch lever Assy.
	G	XYN4+C7FNS	Sems Screw	9	For Internal Wiring
	H	XYN5+C10FNS	Sems Screw	1	For Cast heater
	I	XYN5+C10FNS	Sems Screw	1	For Mica Heater Ass'y
	J	XTN4+20AFJ	Screw	1	For wiring terminal Asly
	K	XTN4+8FFJ	Tapping Screw	2	For power cord and Bottom Plate Ass'y fixing
	L	XTN4+8FFJ	Tapping Screw	1	For Earth leadwire
	M	XWA4BPW	Spring Washer	2	For Earth leadwire & Bot.plate assy.
	N	ASR471-4441N	Special Screw Rivet	2	For Cast heater locating
< PACKING SPECIFICATIONS >					
	1	AQZ01A610	Packing Case	1	
	2	AQZ16-540-00U	Lowerplate Unit	1	
	3	AQZ11-540	Upper Pad	2	
⚠	4	AQY00A610	Operating Instructions	1	
	5	AQZ17H540	Packing Paper	1	
	6	AQZ75-540	Plastic Sheet	1	
	7	AQZ25A540	Warranty card	1	
	8	ASR758T613A	Rust Proof Paper	1	

8.5. MODEL : SR-GA321FH (USA - WV/LV)

8.5.1. Exploded View



8.5.2. Packing specification : Model No. SR-GA321FH (USA - WV/LV)



8.5.3. Replacement Part List : Model No. SR-GA321FH (USA - WV/LV)

Notes : Important safety notice

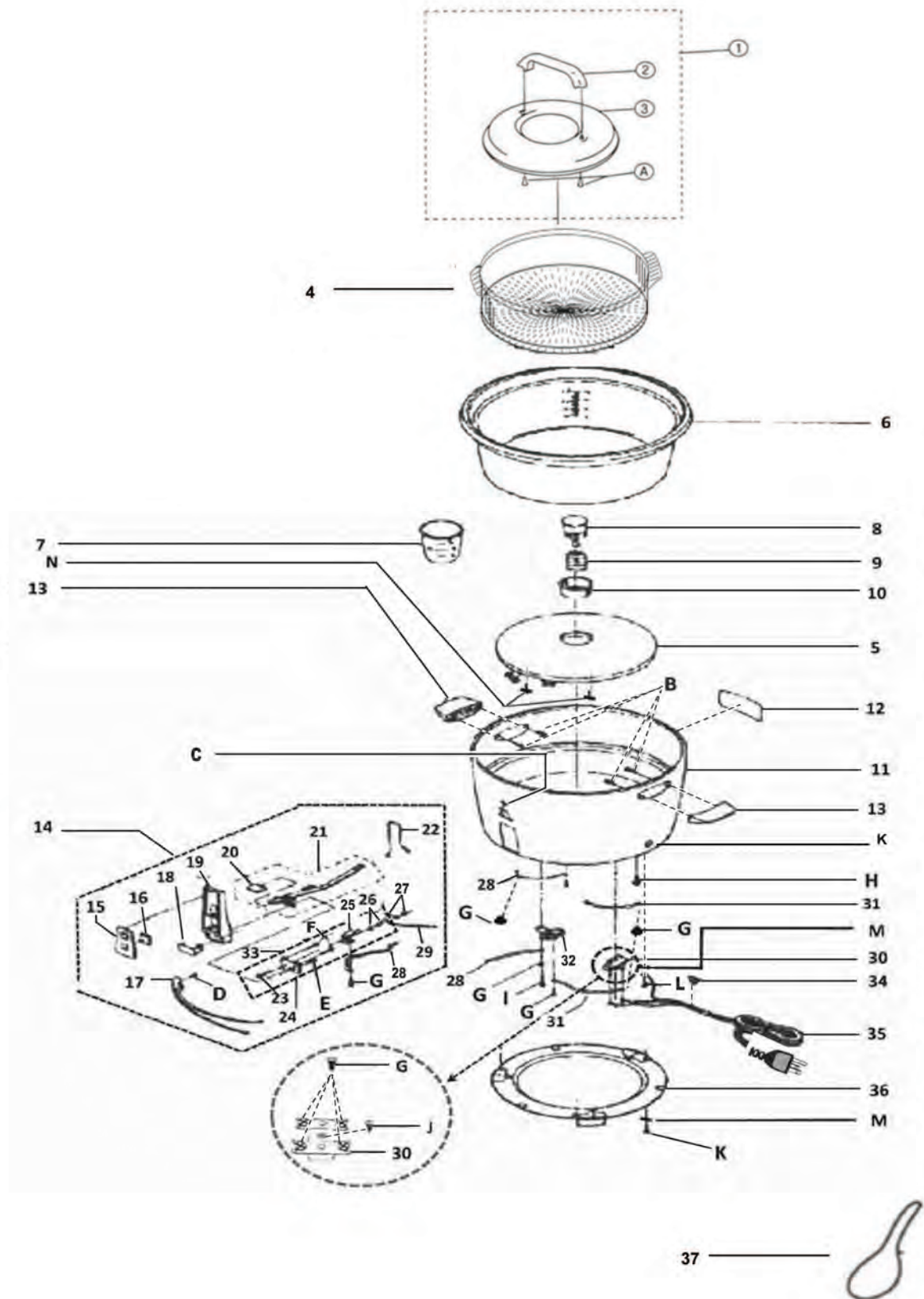
- Components identified by △ mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321FH (USA-WV/LV)	
< PARTS LIST >					
	1	AQB01A562-00U	Lid Ass'ly	1	
	2	ASR145-424-K	Lid Knob	1	
	3	AQB01A562	Lid	1	
	4	ASR796-454AK	Scoop	1	Deluxe
⚠	5	AQL20A610-00U	Cast Heater Ass'y	1	Sheath heater , 120V
	6	AQE50A612	Teflon Pan	1	GSI-G8-P t=1.5 (Teflon coated)
	7	ASR792-454BK	Measuring Cup	1	
⚠	8	AQS00T293-00U	Center Thermostat	1	
	9	RS61H616	Outer Spring	1	
	10	SR310T607-W	Outer Case	1	
	11	AQE13A610-LNU	Body Comp	1	Crystal Silver (DMC-H-12)
	11	AQE13A610-W9U	Body Comp	1	White (W-51)
⚠	12	AQY50A612-LN	Name plate	1	Crystal Silver (DMC-H-12)
⚠	12	AQY50A612-W9	Name plate	1	White (W-51)
	13	AQE30-540-K0	Handle	2	
⚠	14	AQN00A607-W9U	Switch Ass'y	1	
	15	AQN21-540-W9	Decorative Panel	1	
	16	ASR266T492-K	Lamp Filter (red)	1	
⚠	17	AQN85A607-00U	Lamp Board Ass'y	1	
	18	AQN11A607-W9	Switch Panel Cover	1	
	19	AQN10A607-W9	Switch Panel	1	
	20	ASR252T419AK	Switch Button	1	
	21	AQN30A540-00U	Swich Lever comp	1	
⚠	22	AQN50A607-00U	Thermal Fuse Unit	1	
	23	XVG4B20FNS	Bolt	1	For Terminal Assy.
	24	ASR231T591-K	Terminal Base	1	For Terminal Assy.
⚠	25	AQN70T294-00U	Blade Comp.	1	For Terminal Assy.
	26	XWA4BPW	Spring Washer	2	For Terminal Assy / Lead Wire D
	27	XNG4CBWS	Nut	2	For Terminal Assy / Lead Wire D
⚠	28	AQN60A540	Leadwire (Red)	3	
⚠	29	AQN61A610	Leadwire D	1	
⚠	30	AQL92A540	Wiring Terminal Assly	1	
⚠	31	AQL61A540	Leadwire B (White)	2	
⚠	32	AQL70A609-00U	Mica Heater Ass'y	1	
⚠	33	AQN92A540100U	Terminal Assly	1	
	34	ASR577U618AK	Cord Bushing	1	
⚠	35	AQQ00A540-00U	Power Cord Assly	1	TASHIN/KAIHUA 5-15P Type
	36	AQH20-5401W9U	Bottom Plate Assly	1	

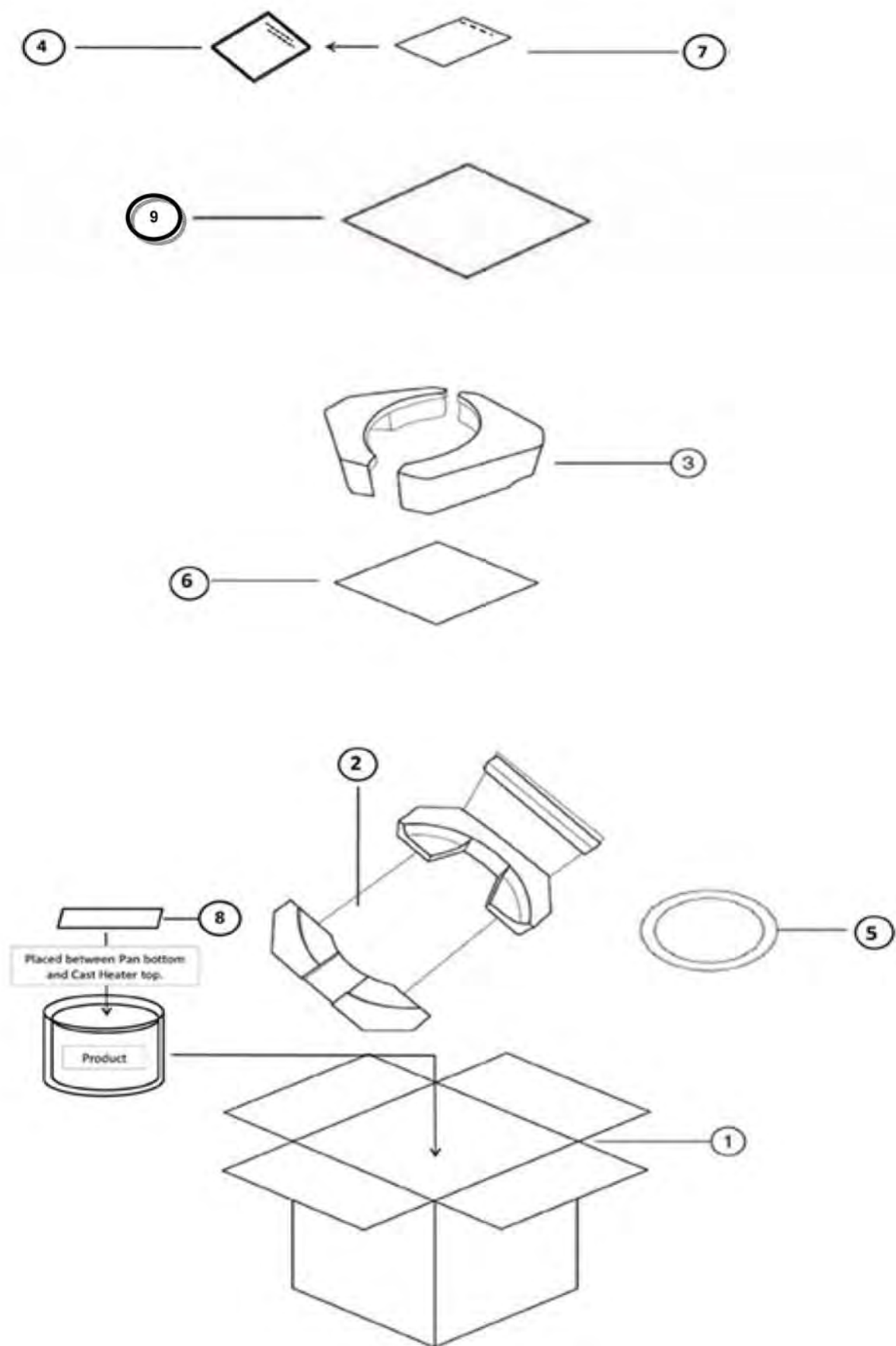
Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321FH (USA-WV/LV)	
< SCREWS AND FASTENERS LIST >					
	A	XTN5+10BVW	Tapping Screw	2	For Lid Knob
	B	XTN4+10BFJ	Tapping Screw	4	Screw for Handle
	C	XTN4+8BFJ	Tapping Screw	1	For Switch Assly
	D	XTN3+6BFU	Screw	1	For Lamp Board Assly
	E	XTN4+16BFJ	Tapping Screw	1	For Switch Panel Cover
	F	XTN5+16BFJ	Tapping Screw	2	For Switch lever Assy.
	G	XYN4+C7FNS	Sems Screw	9	For Internal Wiring
	H	XYN5+C10FNS	Sems Screw	1	For Cast heater
	I	XYN5+C10FNS	Sems Screw	1	For Mica Heater Ass'y
	J	XTN4+20AFJ	Screw	1	For wiring terminal Asly
	K	XTN4+8FFJ	Tapping Screw	2	For power cord and Bottom Plate Ass'y fixing
	L	XTN4+8FFJ	Tapping Screw	1	For Earth leadwire
	M	XWA4BPW	Spring Washer	2	For Earth leadwire & Bot.plate assy.
	N	ASR471-4441N	Special Screw Rivet	2	For Cast heater locating
< PACKING SPECIFICATIONS >					
	1	AQZ01A612	Packing Case	1	
	2	AQZ16-540-00U	Lowerplate Unit	1	
	3	AQZ11-540	Upper Pad	2	
⚠	4	AQY00A610	Operating Instructions	1	
	5	AQZ17H540	Packing Paper	1	
	6	AQZ75-540	Plastic Sheet	1	
	7	AQZ25A540	Warranty card	1	
	8	ASR758T613A	Rust Proof Paper	1	

8.6. MODEL : SR-GA321SH (USA - WV/LV)

8.6.1. Exploded View



8.6.2. Packing specification : Model No. SR-GA321SH (USA - WV/LV)



8.6.3. Replacement Part List : Model No. SR-GA321SH (USA - WV/LV)

Notes : Important safety notice

- Components identified by △ mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321SH (USA-WV/LV)	
< PARTS LIST >					
	1	AQB01A562-00U	Lid Ass'ly	1	
	2	ASR145-424-K	Lid Knob	1	
	3	AQB01A562	Lid	1	
	4	AQK25-556-C0	Steam Basket	1	
△	5	AQL20A610-00U	Cast Heater Ass'y	1	Sheath heater , 120V
	6	AQE50A611	Pan	1	With Projection, t=1.5
	7	ASR792-454BK	Measuring Cup	1	
△	8	AQS00T293-00U	Center Thermostat	1	
	9	RS61H616	Outer Spring	1	
	10	SR310T607-W	Outer Case	1	
	11	AQE13A610-LNU	Body Comp	1	Crystal Silver (DMC-H-12)
	11	AQE13A610-W9U	Body Comp	1	White (W-51)
△	12	AQY50A611-LN	Name plate	1	Crystal Silver (DMC-H-12)
△	12	AQY50A611-W9	Name plate	1	White (W-51)
	13	AQE30-540-K0	Handle	2	
△	14	AQN00A607-W9U	Switch Ass'y	1	
	15	AQN21-540-W9	Decorative Panel	1	
	16	ASR266T492-K	Lamp Filter (red)	1	
△	17	AQN85A607-00U	Lamp Board Ass'y	1	
	18	AQN11A607-W9	Switch Panel Cover	1	
△	19	AQN10A607-W9	Switch Panel	1	
	20	ASR252T419AK	Switch Button	1	
	21	AQN30A540-00U	Swich Lever comp	1	
△	22	AQN50A607-00U	Thermal Fuse Unit	1	
	23	XVG4B20FNS	Bolt	1	For Terminal Assy.
	24	ASR231T591-K	Terminal Base	1	For Terminal Assy.
△	25	AQN70T294-00U	Blade Comp.	1	For Terminal Assy.
	26	XWA4BPW	Spring Washer	2	For Terminal Assy / Lead Wire D
	27	XNG4CBWS	Nut	2	For Terminal Assy / Lead Wire D
△	28	AQN60A540	Leadwire (Red)	3	
△	29	AQN61A610	Leadwire D	1	
△	30	AQL92A540	Wiring Terminal Assly	1	
△	31	AQL61A540	Leadwire B (White)	2	
△	32	AQL70A609-00U	Mica Heater Ass'y	1	
△	33	AQN92A540100U	Terminal Assly	1	
	34	ASR577U618AK	Cord Bushing	1	
△	35	AQQ00A540-00U	Power Cord Assly	1	TASHIN/KAIHUA 5-15P Type
	36	AQH20-5401W9U	Bottom Plate Assly	1	
	37	ASR796-454AK	Scoop	1	Deluxe

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				SR-GA321SH (USA-WV/LV)	
< SCREWS AND FASTENERS LIST >					
	A	XTN5+10BVW	Tapping Screw	2	For Lid Knob
	B	XTN4+10BFJ	Tapping Screw	4	Screw for Handle
	C	XTN4+8BFJ	Tapping Screw	1	For Switch Assly
	D	XTN3+6BFU	Screw	1	For Lamp Board Assly
	E	XTN4+16BFJ	Tapping Screw	1	For Switch Panel Cover
	F	XTN5+16BFJ	Tapping Screw	2	For Switch lever Assy.
	G	XYN4+C7FNS	Sems Screw	9	For Internal Wiring
	H	XYN5+C10FNS	Sems Screw	1	For Cast heater
	I	XYN5+C10FNS	Sems Screw	1	For Mica Heater Ass'y
	J	XTN4+20AFJ	Screw	1	For wiring terminal Asly
	K	XTN4+8FFJ	Tapping Screw	2	For power cord and Bottom Plate Ass'y fixing
	L	XTN4+8FFJ	Tapping Screw	1	For Earth leadwire
	M	XWA4BPW	Spring Washer	2	For Earth leadwire & Bot.plate assy.
	N	ASR471-4441N	Special Screw Rivet	2	For Cast heater locating
< PACKING SPECIFICATIONS >					
	1	AQZ01A611	Packing Case	1	
	2	AQZ16-540-00U	Lowerplate Unit	1	
	3	AQZ11-540	Upper Pad	2	
⚠	4	AQY00A610	Operating Instructions	1	
	5	AQZ17H540	Packing Paper	1	
	6	AQZ75-540	Plastic Sheet	1	
	7	AQZ25A540	Warranty card	1	
	8	ASR758T613A	Rust Proof Paper	1	
	9	AQZ18-586	Layer Pad	2	

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