

Service Manual

KETTLE



NC-ZK1

Model No. **NC-ZK1-V**

Model No. **NC-DK1-B**

Model No. **NC-DK1-W**

Chassis

Product Color V:Violet, B:Black, W:White

Destination CHINA

⚠ 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.

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1 Safety Precautions

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.

Warning

<p>After repair, return wiring to its original condition.</p> <p> Rotary parts or part extremities that contact lead may cause failure, electrical shock, or fire.</p>	<p>Before repair.</p> <p> Make sure to cut off the power line before disassembly, parts replacement, and assembly. Otherwise, electrical shock or injury may occur.</p>
<p>Use a designated part</p> <p> 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.</p>	<p>Wait until the rotary part has stopped completely.</p> <p> You may injure your hands even when the part is rotating slowly.</p> <p>Do not touch</p>

Caution

<p> Wear gloves for disassembly, replacement and assembly.</p> <p>Make sure to wear gloves in order to prevent injuries by metal edges and electric shock when the power is turned on.</p>
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2 Specifications

		NC-ZK1	NC-DK1
电源		220 V ~ 50 Hz	
功耗		1800 W	
尺寸 (宽 × 深 × 高) (大约)	水壶	22.8 cm × 15.6 cm × 26.1 cm	
	水壶 + 电源座	22.8 cm × 15.6 cm × 28.4 cm	
重量 (大约)	水壶	1.6 kg	1.6 kg
	水壶 + 电源座	2.1 kg	1.9 kg
额定容量		1.4 L	
电源线长度 (大约)		0.75 m	

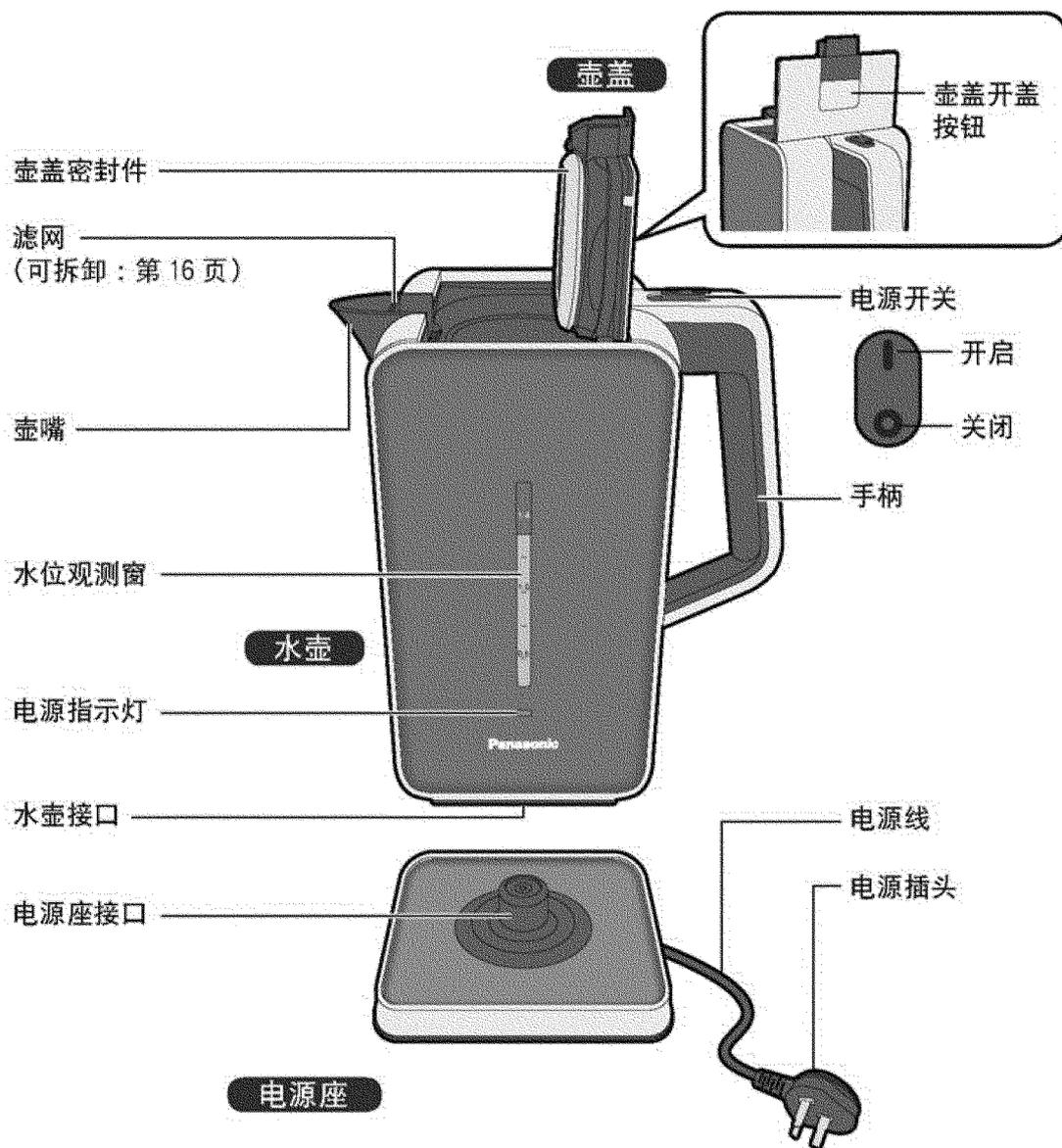
●在某些地区（高海拔、非常寒冷的地方），可能无法获得预定的性能。

3 Installation Instructions

3.1. Partts Names and Handling Instructions

部件名称和操作说明

■ 内部插图的机型主要为 NC-ZK1。



重要信息

部件名称和操作说明

使用前

初次使用或暂时不用时，应按以下步骤清洗本产品。

- ① 加水至最高水位线后将水煮沸。(第 14 页)
- ② 从壶嘴将水倒出。(第 15 页使用后，倒出所有的剩水。)

4 Operating Instructions

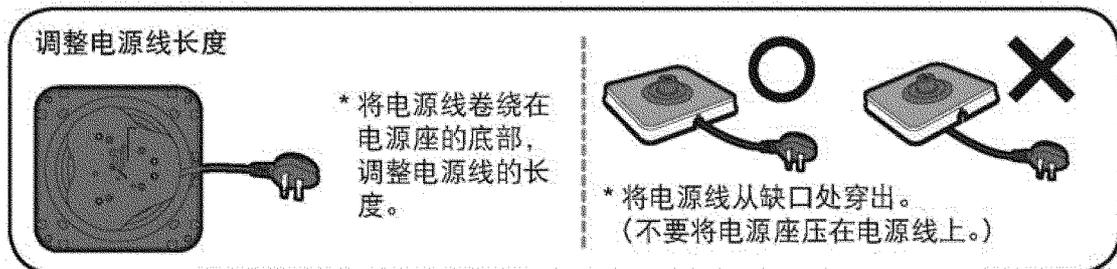
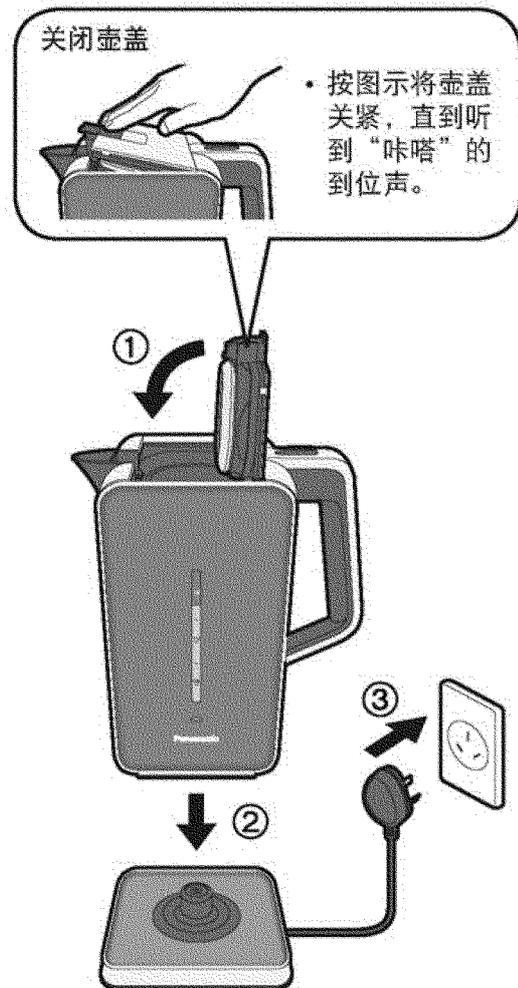
4.1. How to Use

如何使用

1 打开壶盖装水。



2 关闭壶盖，将水壶放置在电源座上，然后插入电源插头。



3 打开电源开关。(按“1”)



开始煮水。
(电源指示灯亮起。)

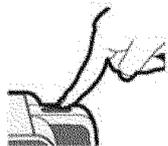


使用时，电源指示灯亮起。

当水煮沸后，电源开关自动断开。

- 本电热水壶煮水过程约为4分钟。
(水温 23°C, 室温 23°C, 加水至最高水位线时)

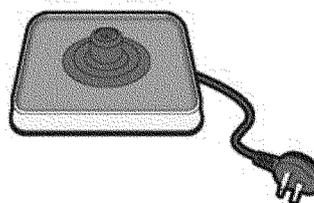
- 如果要在水沸前停止煮水，应关闭电源开关。



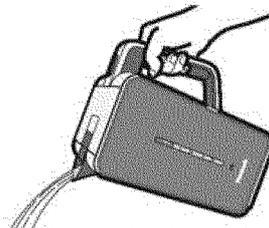
说明

- 水沸之后，不要按住电源开关，强行使水壶继续加热。(否则可能导致故障。)

4 从电源座上取下倒水。



- 使用后，倒出所有的剩水。



- * 倒水时应关闭壶盖。

如何使用

防干烧功能

如果在无水时打开电源开关，防干烧功能将会启动，并会自动关闭电源，防止因过热而导致事故和故障。

- ① 让水壶充分冷却。
- ② 将水壶从电源座上取下并装上水。
- ③ 将其置于电源座上，然后重新打开电源开关。

* 如果水壶在无水情况下工作，将会发出异常气味。

4.2. How to Clean

如何清洁

- 每次用完后应清洗本产品。
- 清洗前，应拔下电源插头，倒掉热水，使水壶冷却。
- 不要使用肥皂。（否则可能会导致气味残留。）
- 不要使用汽油、稀释剂、酒精、漂白剂、抛光粉、金属刷或尼龙刷，否则会损坏产品表面。
- 不要使用洗碗机清洗。

滤网

使用毛刷等小心清洗。

- 如果壶嘴被水垢堵塞，将很难倒出热水。
- 清洗后，务必将其装于水壶上。

如何取下

- 朝壶嘴方向按压滤网，将其向上拉起。

如何安装

- 对准壶嘴上的凹槽，将其牢固按压到位。



壶盖

将布拧干进行擦拭。

水壶

(外部)
将布拧干进行擦拭。

(内部)
用软海绵擦拭并用水冲洗。

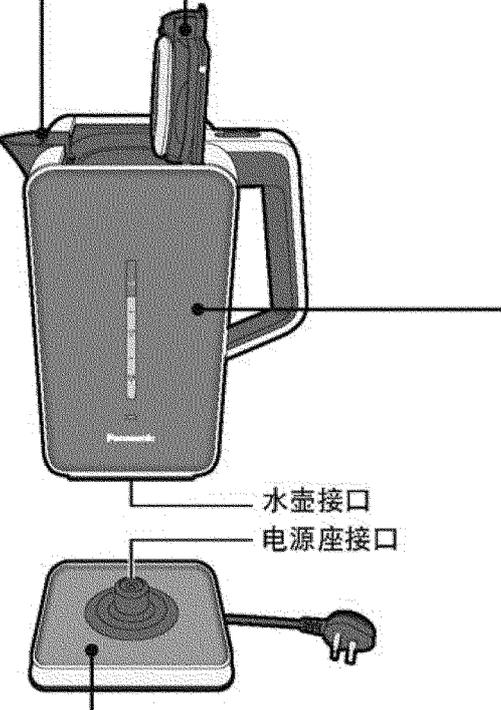
水垢积聚
水壶中积聚的矿物质，如水中所含的含碳酸钙等。

➡ 请除去水垢。

① 用下列方法定期清除水垢：

- 除垢剂
按除垢剂随附的说明操作。
- 柠檬酸
在壶中加水一半以上并煮沸。
开关关闭后，加入约 80 g (2 汤匙) 柠檬酸并搅匀。静放 30 分钟左右。
- 醋
将壶中加水至最大水位并煮沸。
开关关闭后，加入约 100 mL 醋并搅匀。
静放 2 小时左右。

② 清除后，重复若干次以下步骤：加水、煮沸、倒掉。



水壶接口

电源座接口

电源座

将布拧干进行擦拭。

故障排除

在与商店联系或要求维修之前，应检查以下各项：

问题	原因	处理方法
水不沸腾。 (没有打开电源开关。)	● 是否已插入电源插头？	● 将电源插头插入家用电源插座中。(第 14 页)
	● 水壶与电源座对接是否正确？	● 务必正确放置水壶。
	● 电源开关是否关闭？	● 按“ ”，打开电源开关。(第 15 页)
	● 是否有金属片或异物粘附在电源座接口或水壶接口上？	● 去除金属片或异物。(第 16 页)
	● 一旦将水煮沸，电源开关将会自动关闭，约需 3 分钟才能重新开启。	
	● 您是否在壶中无水的情况下试图打开电源开关？ (防干烧功能将会启动， 并会关闭电源开关。)	● 将水装上，打开电源开关。 (第 14 页)
热水可能会从壶嘴喷出。	● 水量是否超过最高水位线？	● 将水减少到最高水位线以下。(第 14 页)
水壶底部滴水。	● 由于水壶设有蒸汽感应功能，可以自动关闭电源开关，因此会造成蒸汽冷凝，并形成水滴从壶底滴下。这不是故障。	

如何清洁

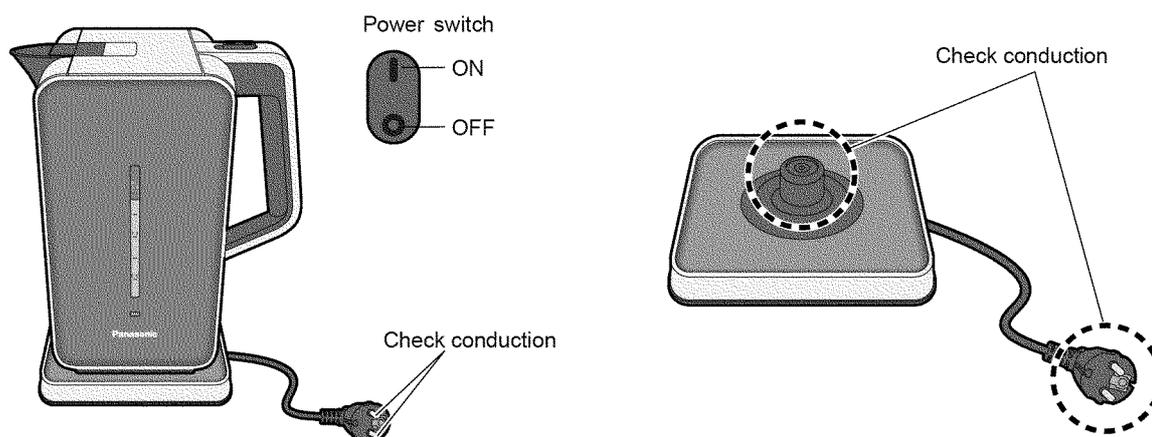
故障排除

故障排除

问题	原因	处理方法
热水发出异味。	●可能是残留的白垩气味，与供水中的氯含量有关。	
	●初次使用水壶时，可能会发出塑料的气味，但连续使用后，气味将会消失。	
发亮的白色或褐色物质漂浮在热水中。	●这是水垢。 使用高矿物质含量的水时，更有可能产生水垢。	●用除垢剂清洁水壶。 (第 16 页)
粗糙的乳白色物质附着在水壶内部部件上。	• 矿泉水。 • 离子净水器的过滤水。	
水沸声变得很大。	●水垢越多，水沸声越大。	
热水难以倒出。	●滤网是否被异物或水垢堵塞？	●取下滤网，用毛刷等物进行清洁。(第 16 页) ●用除垢剂清洁水壶。 (第 16 页)
使用后不久即听到“咔嚓”的声响。	●这是内部加热部件冷却时发出的声音。这不是故障。	
需要很长时间才能将水煮沸。	●煮水时壶盖是否敞开？	●关闭壶盖。(第 14 页)
	●水垢积聚。	●用除垢剂清洁水壶。 (第 16 页)
	●如果水温较低，则需要较长时间才能将水煮沸。	

5 Troubleshooting Guide

5.1. Check point



5.2. Symptom and Trouble cause

5.2.1. Hot water is not boiled.

Q-1 When "ON" does power switch, the power indicator lamp turns on.

- Check the conduction of the main body unit. : Conduction less / heater disconnection is thought about.
- Heater disconnection : Exchange of the main body unit.

Q-2 Even if "ON" does power switch, the power indicator lamp does not turn on.

- Check the conduction of power supply cord, the main body unit : Conduction less /Disconnection of the temperature fuse, defectiveness of the power switch, disconnection of the power supply cord and the main body and the contact defectiveness of the joint of the power base are thought about.
- Poor temperature fuse, power switch, the main body and the contact of the joint of the power base : Exchange of the main body unit.
- Poor in power supply cord disconnection and the main body and the contact of the joint of the power base. : Exchange of the power base.

5.2.2. Power indicator lamp does not turn on.

Q-1 Even if "ON" does power switch, the power indicator lamp does not turn on. (Hot water is boiled.)

- Check the conduction of the main body. : Power switch is "OFF", but there is conduction. /Short circuit of the power switch is thought about.
- Poor power switch : Exchange of the main body unit.

5.2.3. Even if hot water is boiled, it is not cut off.

Q-1 Even if "ON" does power switch, the power indicator lamp does not turn on. (Hot water is boiled.)

- The power indicator lamp that power switch does not become "OFF" turns on.
- Poor power indicator lamp : Exchange of the main body unit.

5.2.4. Hot water is not sometimes boiled.

Q-1 It is not sometimes heated with time when hot water is boiled in a state of power switch "ON".

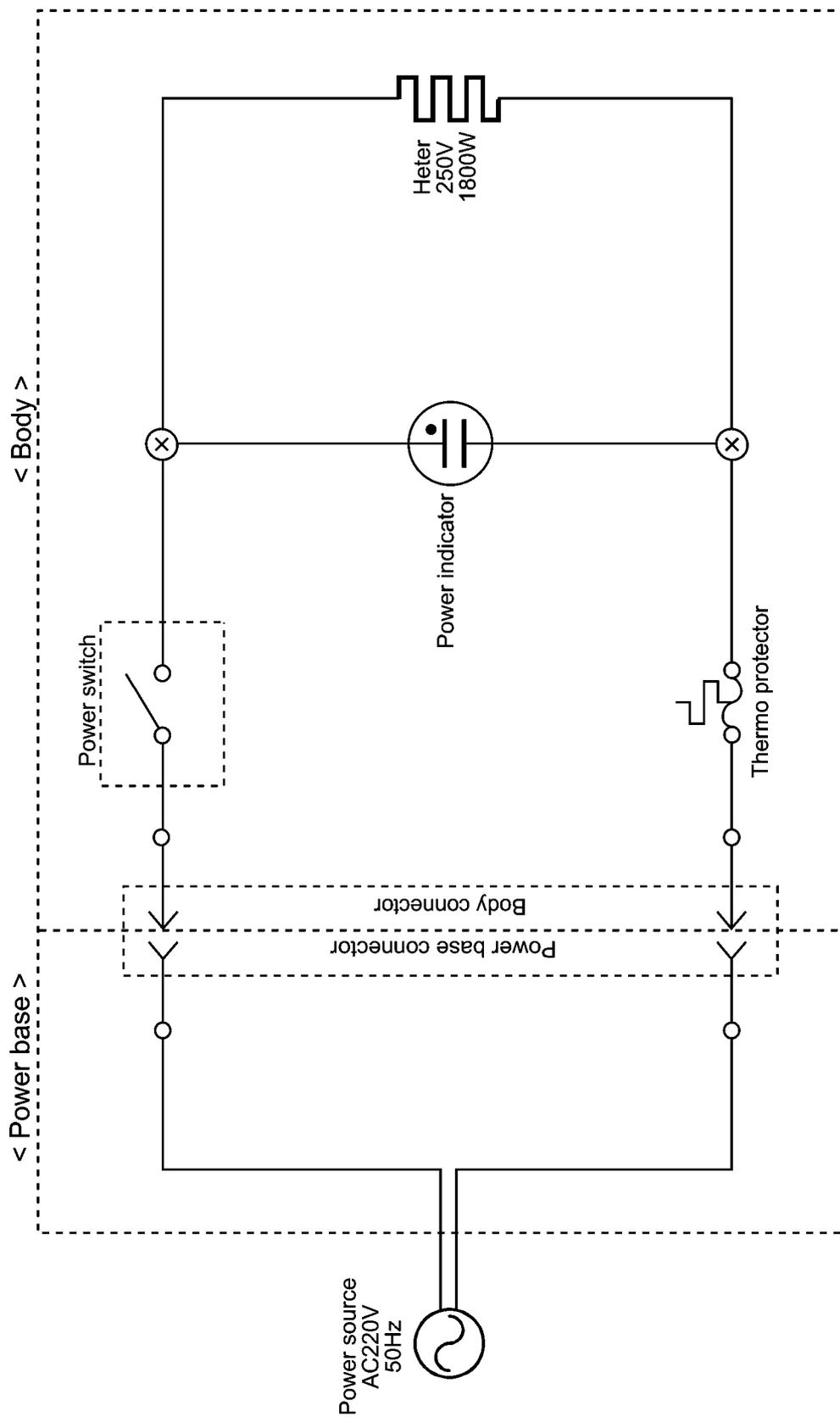
- With power switch as "ON", Check conduction while investing the main body on the power base in right and left: Poor contact of the joint of the power base is regarded as the main body unit.
- The defectiveness of the joint of the main body and the power base: Exchange of the main body or the power base.

Q-2 When hot water is boiled in power switch "ON", it is not sometimes heated.

- Twist power supply cord and, with power switch as "ON", check conduction: When poor conduction is sometimes caused, poor power supply cord is thought about.
- Defectiveness of the power supply cord: Exchange of the power base.

6 Schematic Diagram

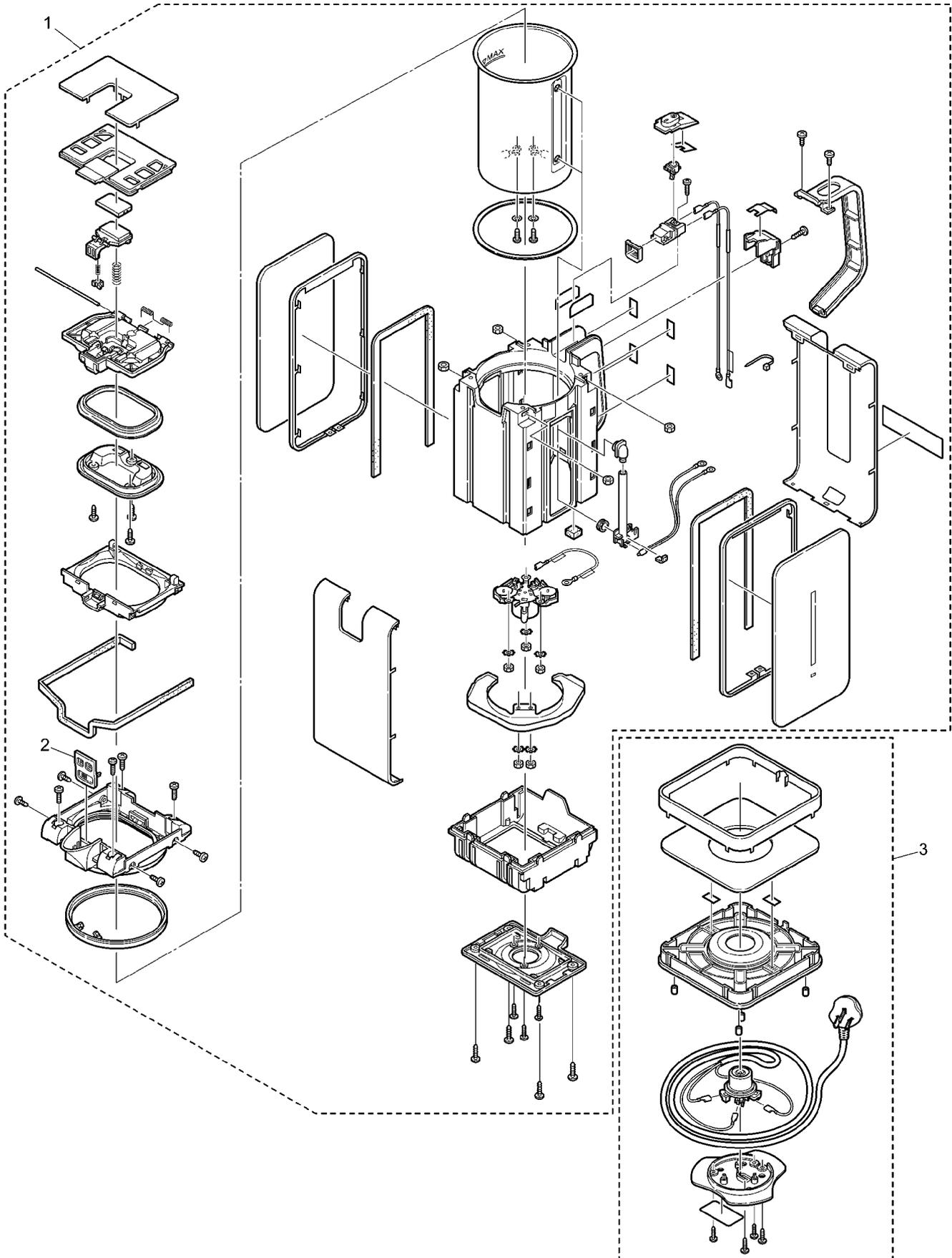
6.1. Model NC-ZK1 / DK1



7 Exploded View and Replacement Parts List

7.1. Model NC-ZK1

7.1.1. Part Location



7.1.2. Replacement Parts List

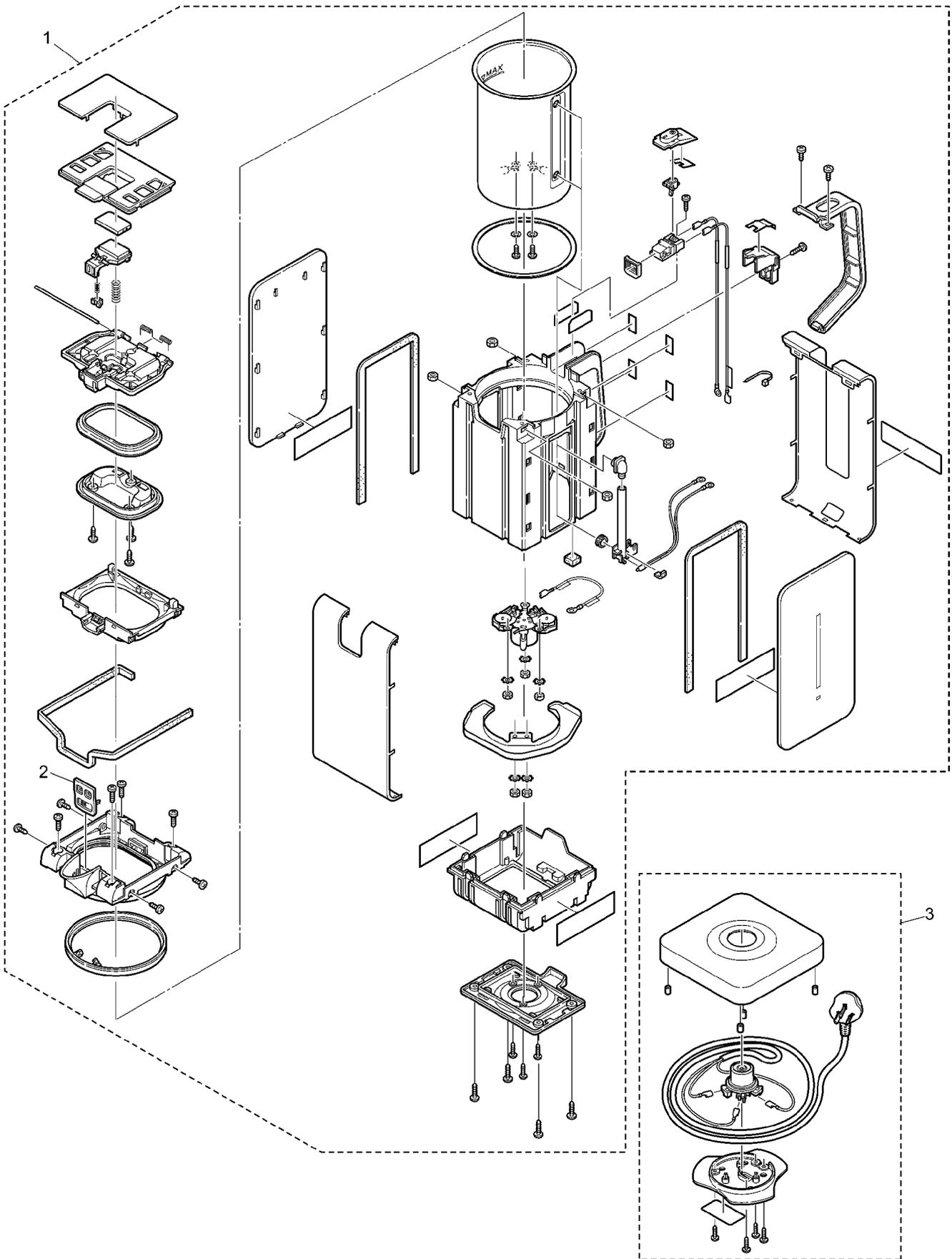
Notes: Important safety notice

- Components identified by \triangle mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."
- Please order " Individual box " ten by a unit.

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				ZK1-V	
<PARTS LIST>					
\triangle	1	APA40P668V0S	Main body unit	1	VIOLET
	2	APB96-668K0U	Filter	1	
\triangle	3	APC78P668V0U	Power base	1	VIOLET.220V.A-3 plug
<PACKING SPECIFICATIONS>					
		APZ01P668-V0	Individual box	1	VIOLET.Order it by ten a unit.
\triangle		APZ05P668	Operating instructions	1	

7.2. Model NC-DK1

7.2.1. Part Location



7.2.2. Replacement Parts List

Notes: Important safety notice

- Components identified by \triangle mark have special characteristics important for safety.
- " When replacing any of these components use only manufacturer's specified parts."
- Please order " Individual box " ten by a unit.

Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set		Remarks
				DK1-B	DK1-W	
<PARTS LIST>						
\triangle	1	APA40P669K0S	Main body unit	1		BLACK
\triangle	1	APA40P669W0S	Main body unit		1	WHITE
	2	APB96-668K0U	Filter	1		BLACK
	2	APB96-668W0U	Filter		1	WHITE
\triangle	3	APC78P669K0U	Power base	1		BLACK.220V.A-3 plug
\triangle	3	APC78P669W0U	Power base		1	WHITE.220V.A-3 plug
<PACKING SPECIFICATIONS>						
		APZ01P669-K0	Individual box	1		BLACK.Order it by ten a unit.
		APZ01P669-W0	Individual box		1	WHITE.Order it by ten a unit.
\triangle		APZ05P668	Operating instructions	1	1	

7.3. Model NC-ZK1 / NC-DK1

7.3.1. Packing Instruction

