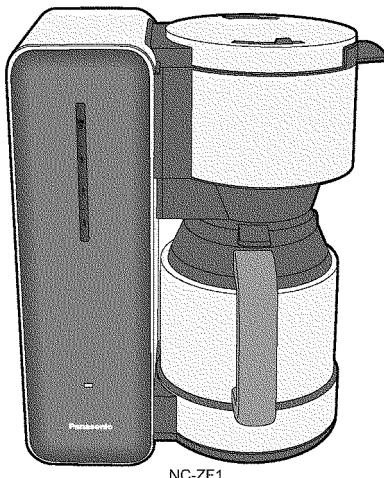


# Service Manual

COFFE MAKER



**Model No. NC-ZF1HTM**

**Model No. NC-DF1BTM**

## Chassis

Product Color H:Gray, B:Black

Destination: Saudi Arabia, UAE, Kuwait, Oman, Qatar, PGF

## ⚠ 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.

## TABLE OF CONTENTS

	PAGE		PAGE
<b>1 Safety Precautions</b>	2	<b>7.2. Model NC-DF1</b>	17
<b>2 Specifications</b>	3		
<b>3 Installation Instructions</b>	4		
3.1. Parts Names and Handling Instructions	4		
<b>4 Operating Instructions</b>	5		
4.1. How to Use	5		
4.2. How to Clean	8		
4.3. Troubleshooting	10		
<b>5 Troubleshooting Guide</b>	11		
5.1. Symptom and Trouble cause	11		
<b>6 Schematic Diagram</b>	12		
6.1. Model NC-ZF1	12		
6.2. Model NC-DF1	13		
<b>7 Exploded View and Replacement Parts List</b>	14		
7.1. Model NC-ZF1	14		

**Panasonic**

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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.

	<b>Danger</b>	This section warns of the urgent danger of death or serious injury.
	<b>Warning</b>	This section warns of the risk of death or serious injury.
	<b>Caution</b>	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**

### **After repair, return wiring to its original condition.**



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

### **Before repair.**

CUT  
A.C.  
POWER  
LINE

Make sure to cut off the power line 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.**



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

Do not touch

## **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

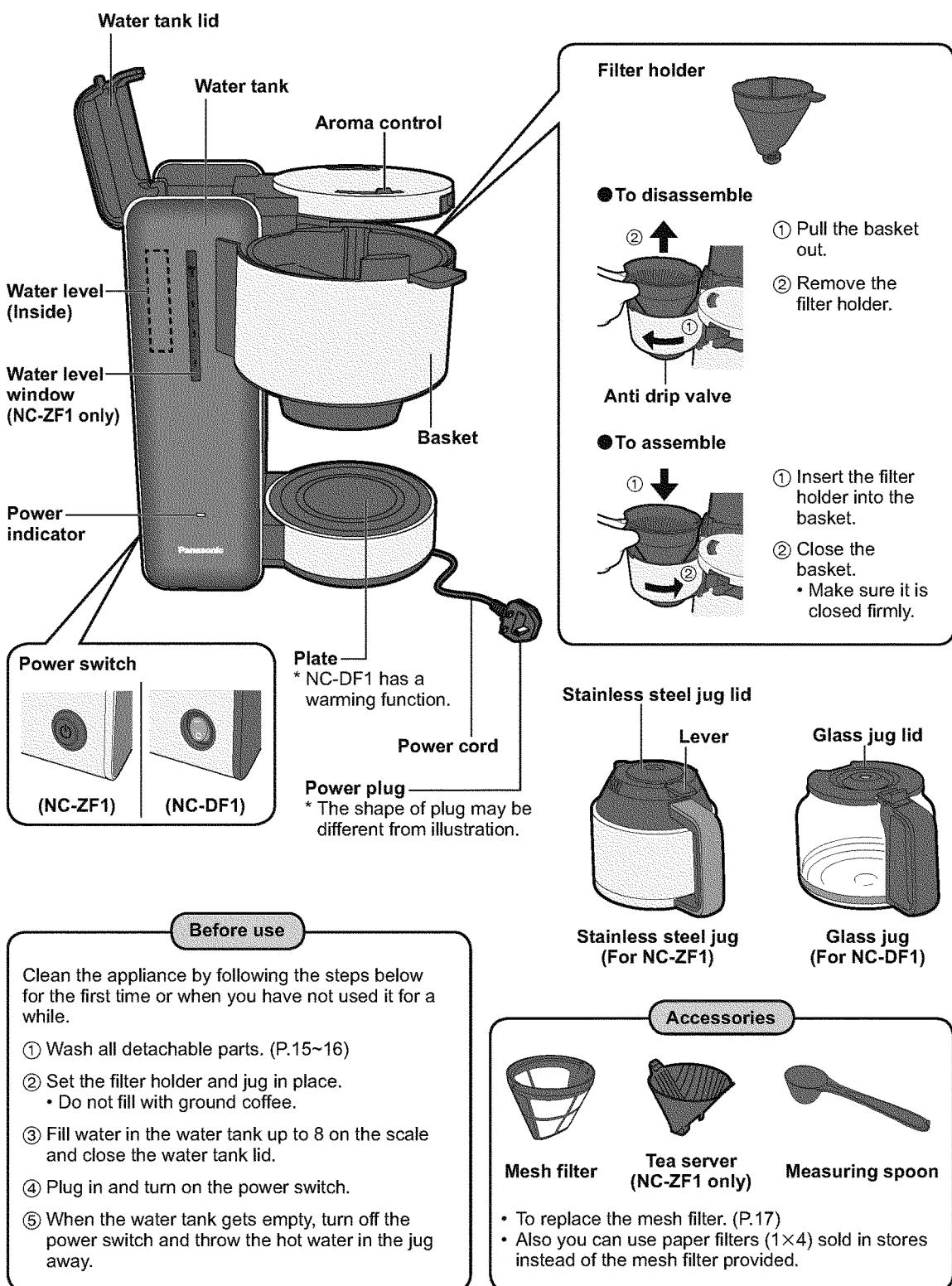
	NC-ZF1	NC-DF1
Power supply	220 - 240 V ~ 50 - 60 Hz	
Power consumption		820 - 980 W
Max. amount of water		1.1 L (8 cups)
Dimensions (W × D × H) (approx.)	293 × 172 × 346 mm	293 × 167 × 346 mm
Mass (approx.)	3.8 kg	2.9 kg
Length of the power cord (approx.)		0.9 m

### 3 Installation Instructions

#### 3.1. Parts Names and Handling Instructions

## Parts Names and Handling Instructions

■ The illustrations inside mainly show model NC-ZF1.



English

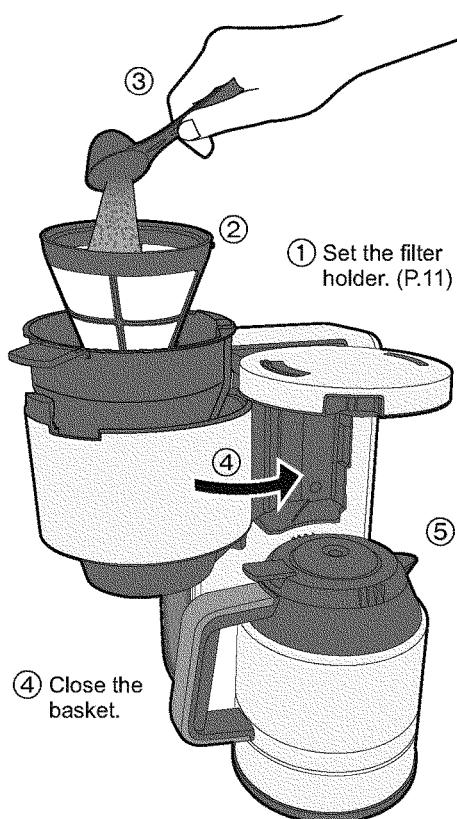
## 4 Operating Instructions

### 4.1. How to Use

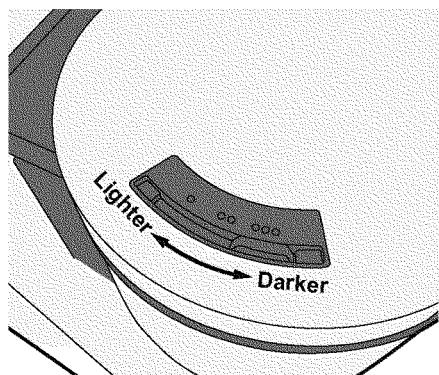
#### How to Use ~Brewing Coffee~

##### 1 Place the filter holder, mesh filter, jug and add ground coffee to taste.

- When finely ground coffee is used with the mesh filter, it may become clogged. Please use a paper filter.



##### 2 Set the aroma control as desired.



**Note:** Make sure the basket is closed firmly when closing it.

##### Preheating the jug (NC-ZF1 only)

- When you are brewing small amount of coffee or room temperature is low, preheat the jug by pouring hot water to have hot and tasty coffee.
- After preheat the jug, throw the hot water away.
- Do not use any heat source or microwave to preheat the jug.

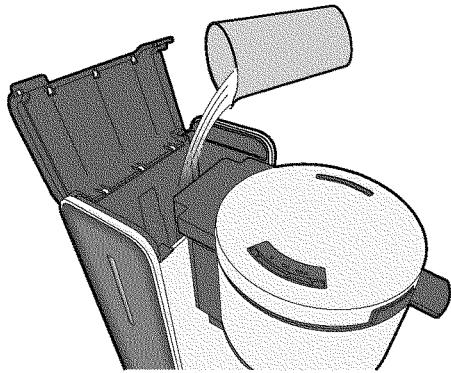
##### Reference for amount of coffee

Brewed Coffee	Fine Ground Coffee* (Approx.)	Medium Ground Coffee (Approx.)
2 cups	4 scoops	5 scoops
4 cups	8 scoops	7½ scoops
6 cups	11 scoops	10 scoops
8 cups	14 scoops	12 scoops

- 1 cup=Approx. 120 mL
- Measured by measuring spoon provided.  
(Level off the top.)

\*Use a paper filter for finely ground coffee.

**3** Fill water in the water tank, then plug in and turn on the power switch.



**(For NC-ZF1)**

- The power indicator will light up while brewing coffee and turn it off automatically.

**(For NC-DF1)**

- Power indicator will light up while the switch is on.

**Note**

- Do not fill the water tank with hot water. (A lot of steam may spurt out.)
- Do not brew coffee when the water is below or more than the maximum 8 on the scale.
- Do not add water while brewing.
- When water is added more than you desire, please remove it by using another container.

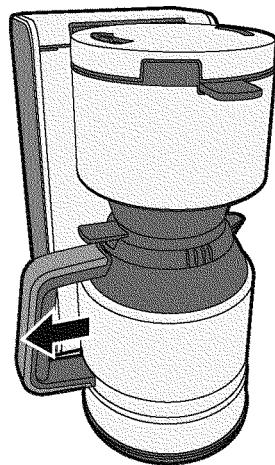
**To brew coffee consecutively**

**Repeat step 1~3.**

- Wait for 5 minutes to add water in the water tank.  
(If water is added too soon, steam may spurt out.)

**4** (For NC-ZF1) Remove the jug after light is turned off.

**(For NC-DF1)**  
After brewing is completed, turn off the switch and remove the jug.



- Press down the lever on the jug lid to pour the coffee into cups. (NC-ZF1 only)

**Note**

- Do not pull out the basket when jug is set on the plate. (Coffee will drip.)
- Coffee is hot, remove the jug slowly. (Hot coffee may spill out.)
- When the jug is removed immediately after brewing, coffee may drip. In that case, please wait to remove the jug for a while after brewing.
- When handling the jug with hot coffee in, do not open the jug lid. Hot liquid may spurt out or drop on your hand. (It may cause burns.)
- When removing the jug, pull it in line with the handle.
- To keep the coffee warm, leave the power switch in the on position. (NC-DF1 only)
- For a better taste, keeping the coffee warm for a long time is not recommended.

**■ After use**

- Unplug the coffee maker after use.

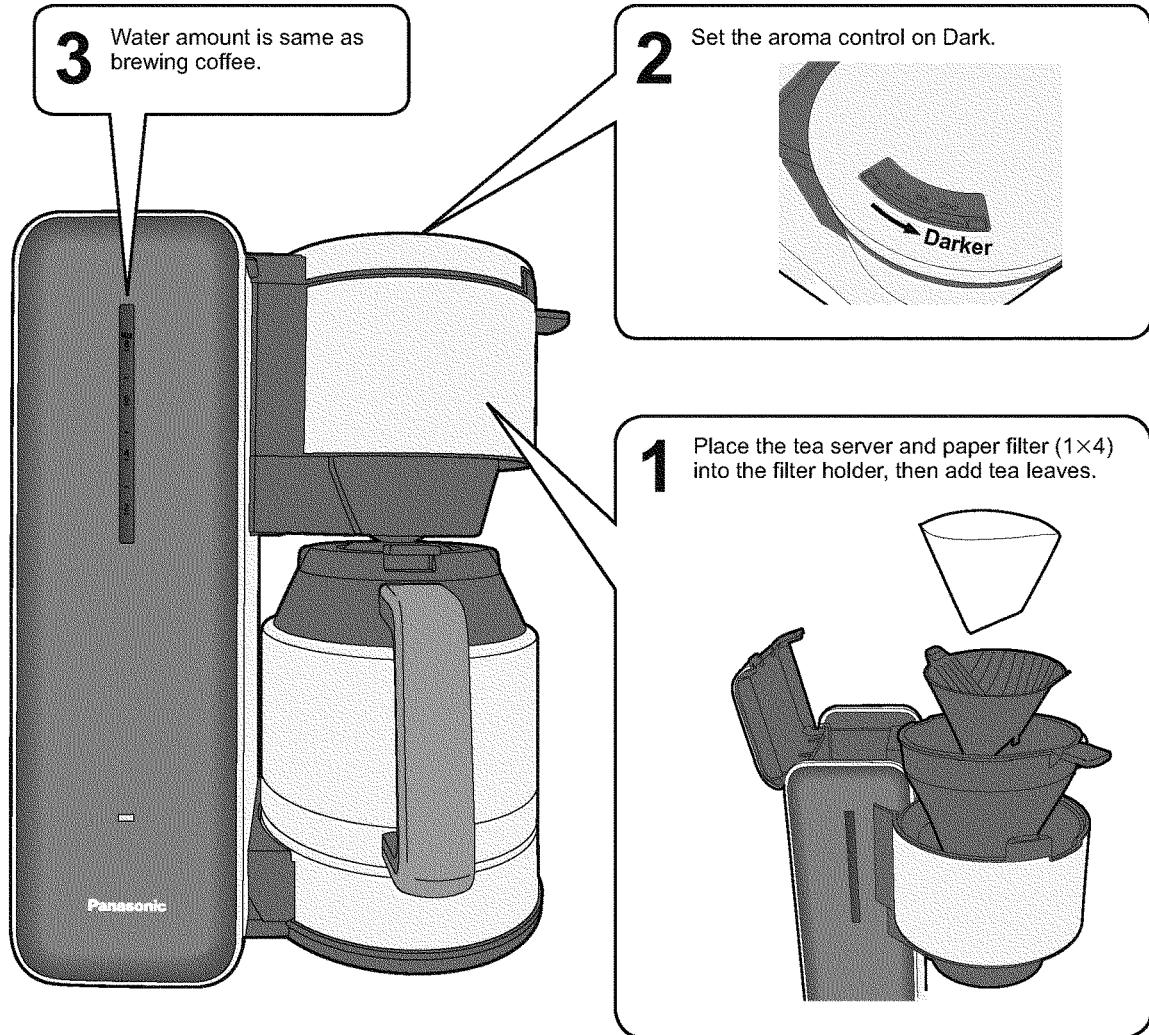
**When you have remaining water in the water tank**

- Turn on the coffee maker and extract water completely into the jug, then throw it away.

# How to Use ~Brewing Tea (NC-ZF1 only)~

## Brewing tea with tea server.

- Basic steps are same as brewing coffee on page 12-13.
- Please adjust amount of tea leaves as your own taste.



## 4.2. How to Clean

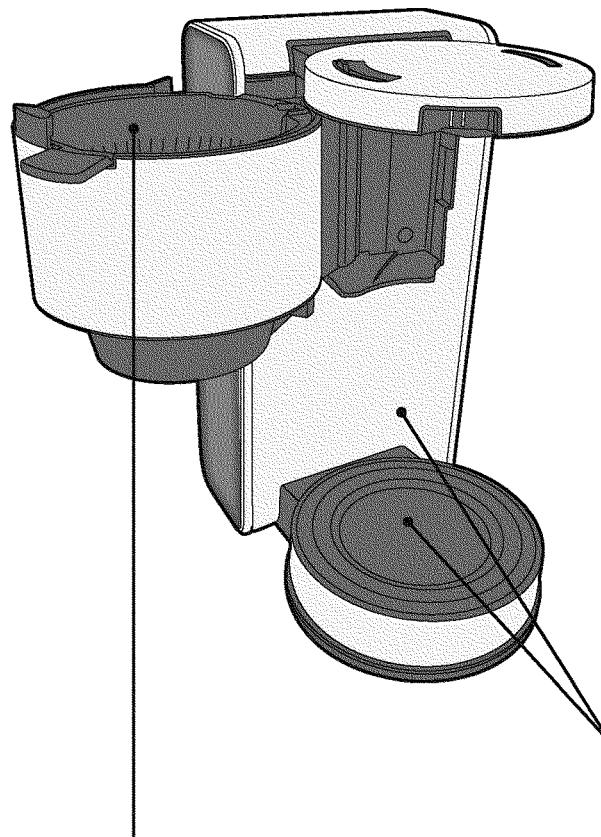
# How to Clean

- Clean the appliance after every use.
- Unplug and make sure that the appliance has cooled down before cleaning.

### Note

- Do not use benzine, thinner, alcohol, bleach, polishing powder, metal brush or nylon brush, otherwise the surface will be damaged.
- Do not use a dishwasher.
- Do not clean the appliance with pointed object such as a toothpick or pin.
- Handle the jug with care.  
Do not use the jug if it is chipped or cracked.

English



### Filter holder

Wash with diluted dish soap (neutral) and a soft sponge.

#### • Anti drip valve

It is to prevent leakage of the remaining drops from the basket.

① Pour water in the filter holder.

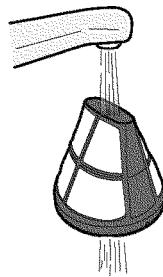
② Push the anti drip valve up and shake it for 2~3 times.



### Mesh filter

Wash under running water.

- Do not use the brush, dish soap or scouring pad.  
(It may tear off the filter or leave the smell of dish soap.)



### Body / Plate

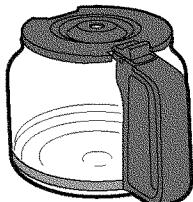
Wipe with a well-wrung cloth.

To avoid damaging surfaces of the body and the plate.

- Do not hit with hard objects or rub them with scouring pad.

### Glass jug (For NC-DF1)

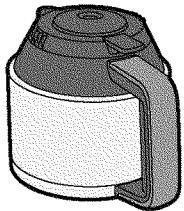
Wash with diluted dish soap (neutral) and a soft sponge.



# How to Clean

## **Stainless steel jug (For NC-ZF1)**

Wash with diluted dish soap (neutral) and a soft sponge.



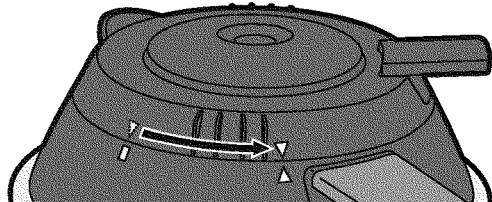
## **Stainless steel jug lid**

Rinse off the lid in water. Discard water inside of it through the hole by lever after rinsing it.



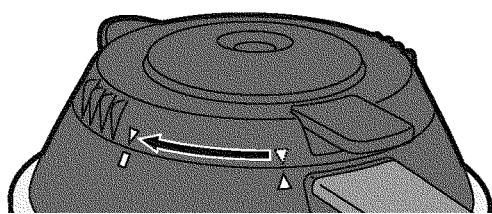
## **To remove the jug lid**

Turn the jug lid in the direction of the arrow to line up the triangles.



## **To attach the jug lid**

Line up the triangles and turn the jug lid in the direction of the arrow to line up the triangle with rectangle.



## **Clean the water tank with citric acid when brewing is slow**

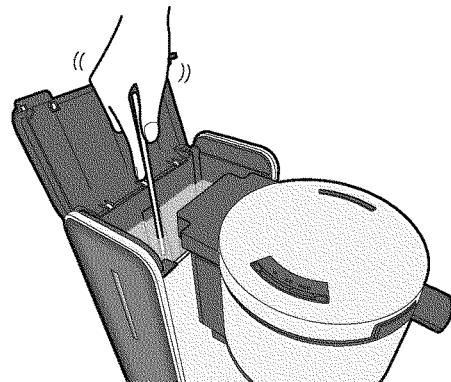
The brewing speed gets slow when the mineral such as the calcium contained in water adheres to the water pipe and the water tank.

\*Scale build-up will occur more in areas where the water contains more minerals.

**1** Set the basket and jug.

**2** Fill the water tank with cold water up to 8 on the scale and add approx. 20 g (2 tbsp) of citric acid.

Mix well with a stick and then close the water tank lid.



**3** Plug in and turn on the power switch.

**4** When the water tank gets empty, turn off the power switch and throw hot water in the jug away.

**5** Repeat step 1~4 with only water to remove the smell of the citric acid.

## **Tea server (NC-ZF1 only) / Measuring spoon**

Wash with diluted dish soap (neutral) and a soft sponge.

## 4.3. Troubleshooting

# Troubleshooting

Please check the following points before arranging for service.

Problem	Cause	English
Ground coffee is spilled from the mesh filter.	<ul style="list-style-type: none"><li>More than maximum amount of ground coffee is added. → Do not add more than maximum amount of ground coffee. (P.12)</li><li>The mesh filter is torn off. → Replace the mesh filter or use paper filter.</li><li>Finely ground coffee has been used with the mesh filter. → Use a paper filter for finely ground coffee.</li></ul>	
Brewing speed is slow or coffee is not coming out.	<ul style="list-style-type: none"><li>Scale has built up in the water pipe and in the water tank. → Clean the water tank with citric acid. (P.16)</li></ul>	
Brewing temperature is low.	<ul style="list-style-type: none"><li>Preheat the jug (NC-ZF1 only) by filling it with hot water, then emptying it before brewing. (P.12)</li></ul>	
When coffee grounds appear in a cup.	<ul style="list-style-type: none"><li>The mesh filter has been used for finely ground coffee. → Try using a paper filter instead of the mesh filter.</li></ul>	

# 5 Troubleshooting Guide

## 5.1. Symptom and Trouble cause

### 5.1.1. Drip coffee is not made. (Hot water is not boiled.)

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

- Heater disconnection, defectiveness of the thermostat are thought about. (NC-DF1)
- Heater disconnection, defectiveness of the thermostat, the defectiveness of the control board are thought about. (NC-ZF1)
- Poor main body unit : Exchange of the main body unit.

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

- Disconnection of defectiveness, the power supply cord of disconnection, the power switch of the temperature fuse is thought about.
- Poor main body unit : Exchange of the main body unit.

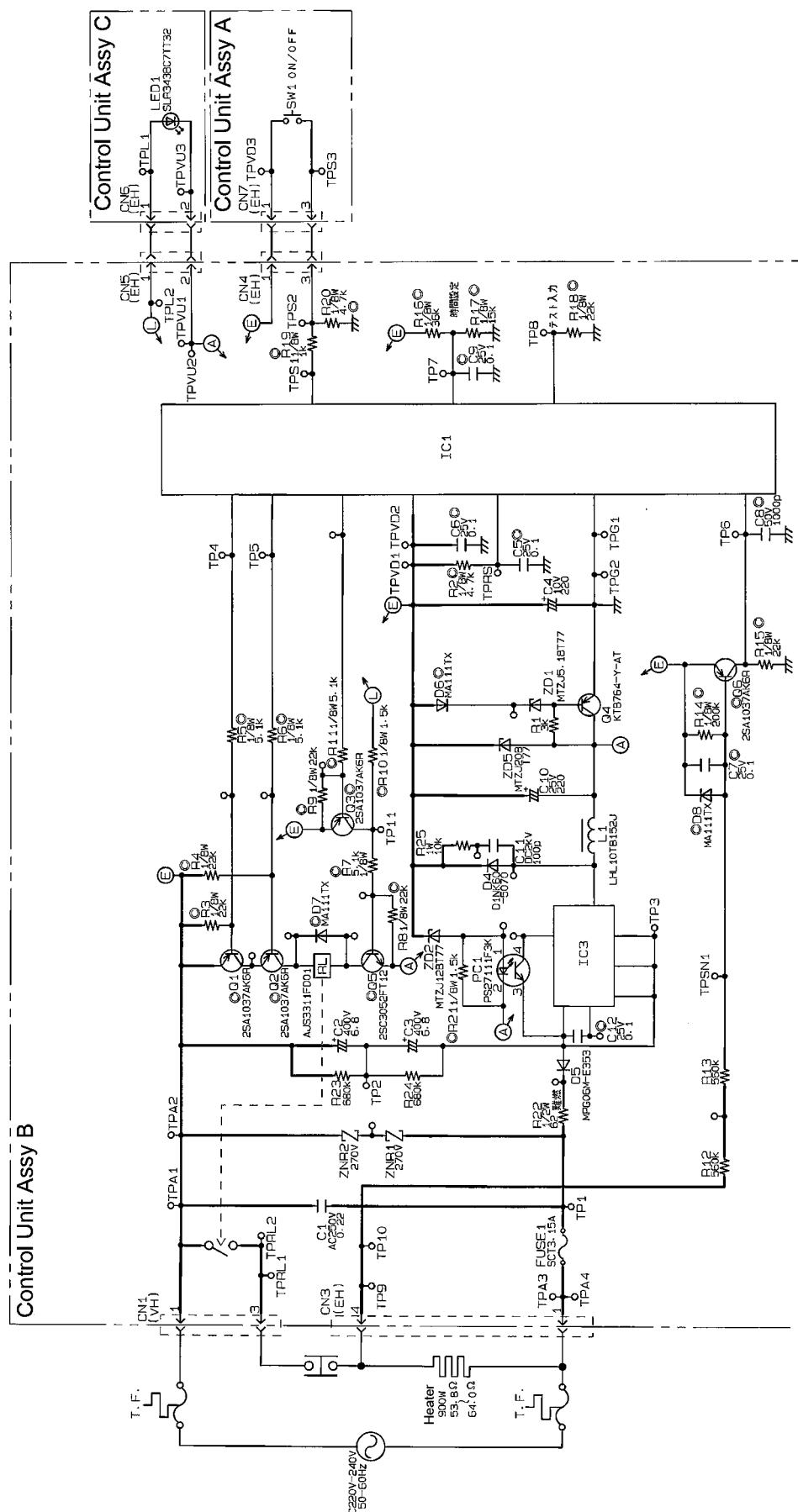
### 5.1.2. Power indicator lamp does not turn on.

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

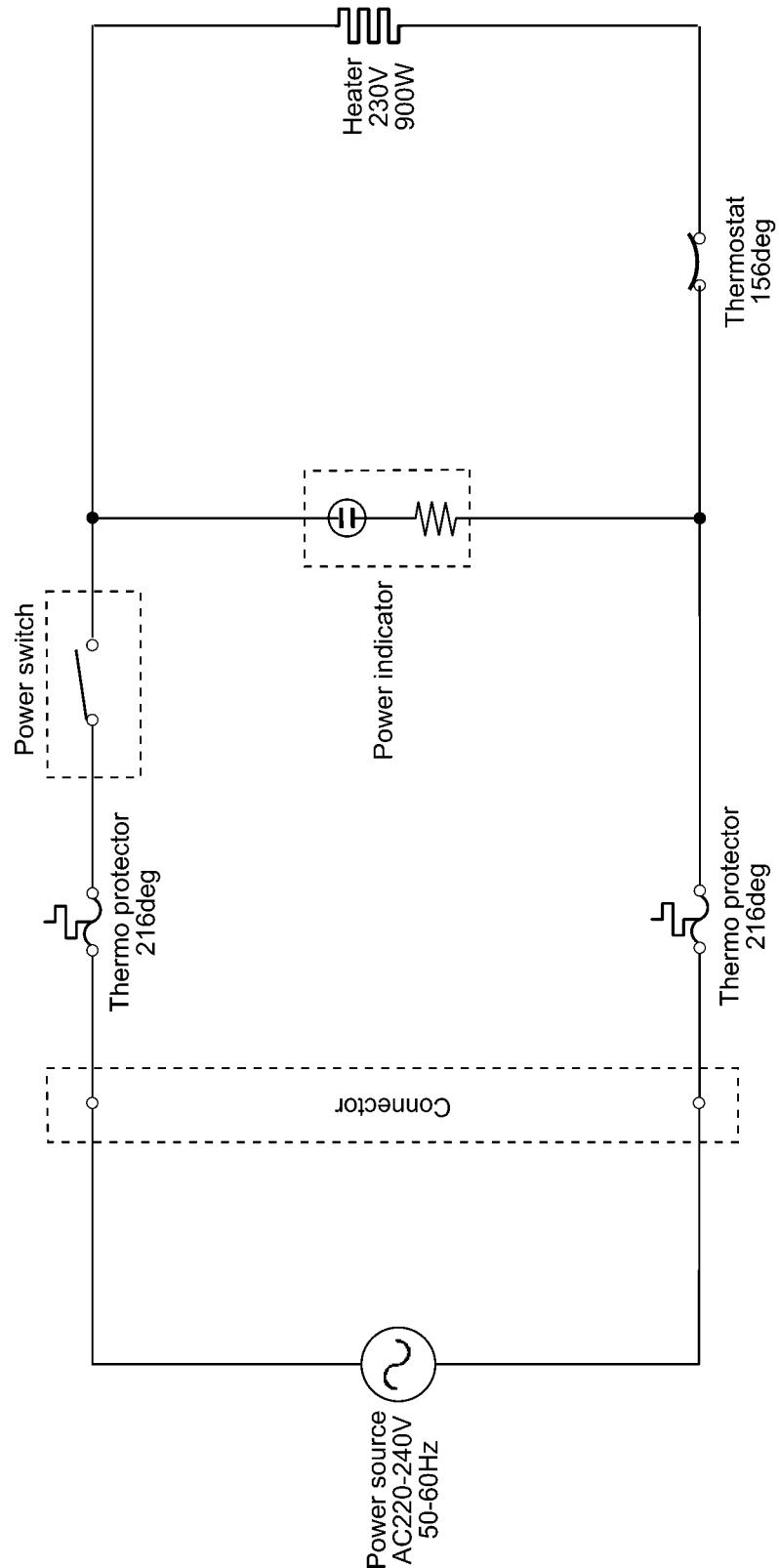
- Poor power indicator lamp is thought about.
- Poor power indicator lamp. : Exchange of the main body unit.

## 6 Schematic Diagram

## 6.1. Model NC-ZF1



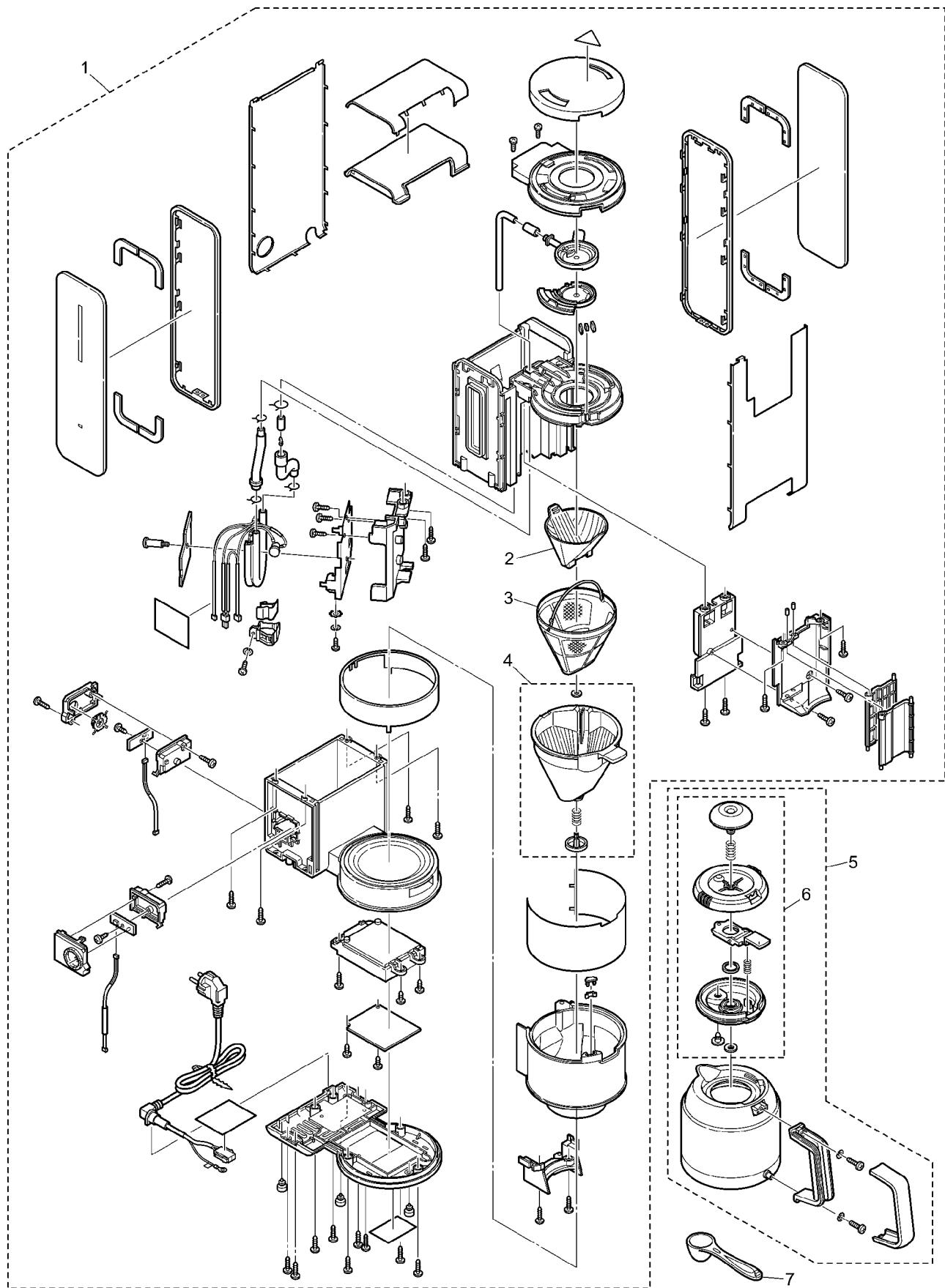
## 6.2. Model NC-DF1



## 7 Exploded View and Replacement Parts List

### 7.1. Model NC-ZF1

#### 7.1.1. Part Location



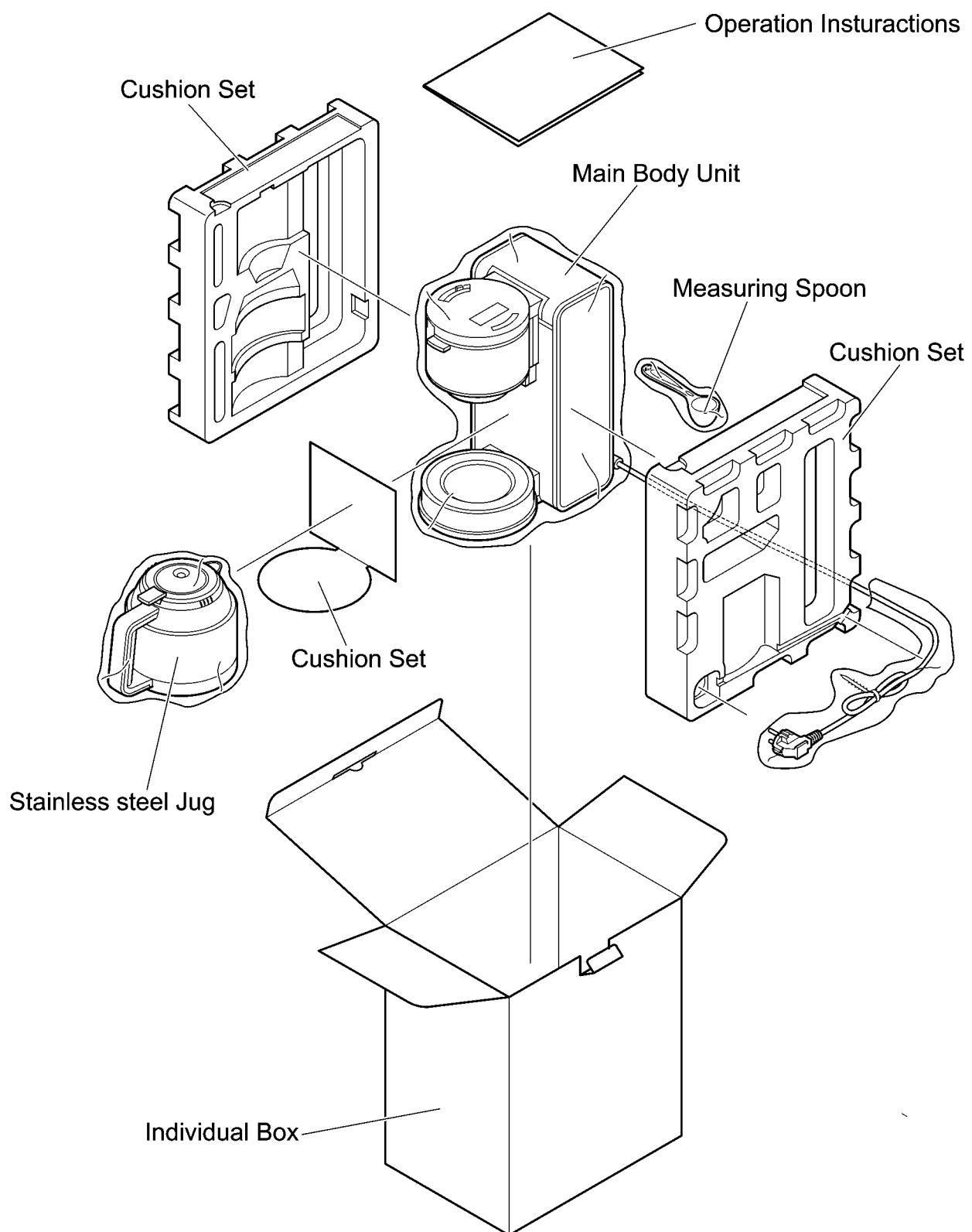
## 7.1.2. Replacement Parts List

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."

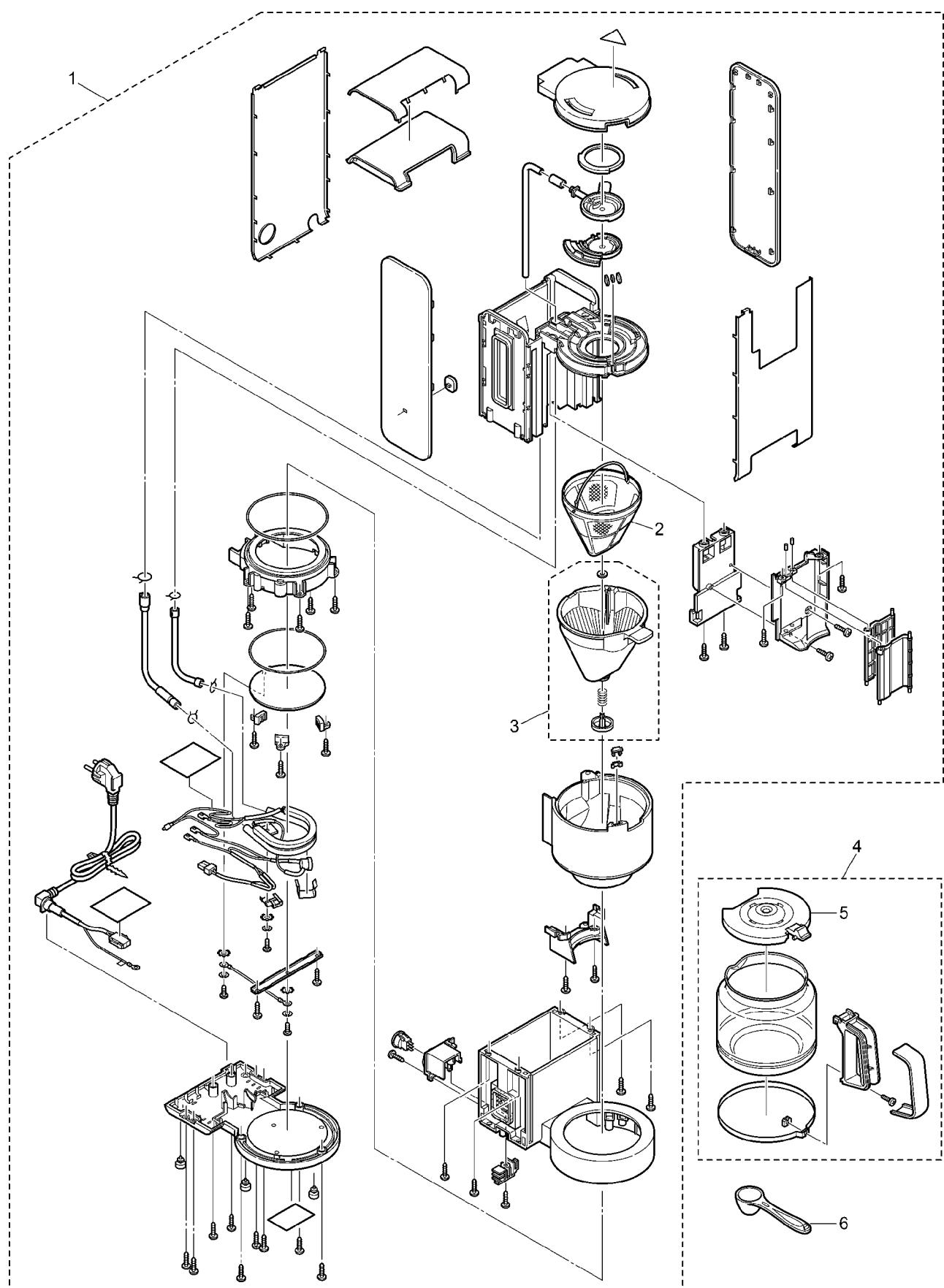
Safety	Ref. No.	Part No.	Part Name & Description	Pcs/Set	Remarks
				ZFIHFM	
<b>&lt;PARTS LIST&gt;</b>					
	1	ACA00Z153-H0	Main body unit	1	GRAY.220-240V.S-3 plug
	2	ACD49-153-K0	Tea server	1	
	3	ACA43-153-K0	Mesh filter	1	
	4	ACA19-153-K0	Filter holder	1	
	5	ACV80-153K0U	Stainless steel jug	1	
	6	ACV86-153K0U	Stainless steel jug lid	1	
	7	ACK10-153-K0	Measuring spoon	1	
<b>&lt;PACKING SPECIFICATIONS&gt;</b>					
		ACZ03Z153-H0	Individual box	1	GRAY
		ACZ29-153	Cushion set	1	
		ACZ45Y153	Operating instructions	1	

### 7.1.3. Packing Instruction



## 7.2. Model NC-DF1

### 7.2.1. Part Location



## 7.2.2. Replacement Parts List

Notes:Important safety notice

- Components identified by  $\Delta$  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
				DF1BTM	
<b>&lt;PARTS LIST&gt;</b>					
$\Delta$	1	ACA00Z154-K0	Main body unit	1	BLACK. 220-240V. S-3 plug
	2	ACA43-153-K0	Mesh filter	1	
	3	ACA19-153-K0	Filter holder	1	BLACK
	4	ACA92-154-K0	Glass jug	1	BLACK
	5	ACC22-154-K0	Glass jug lid	1	BLACK
	6	ACK10-153-K0	Measuring spoon	1	
<b>&lt;PACKING SPECIFICATIONS&gt;</b>					
		ACZ03Z154-K0	Individual box	1	BLACK
		ACZ29K153	Cushion set	1	
$\Delta$		ACZ45Y153	Operating instructions	1	

### 7.2.3. Packing Instruction

