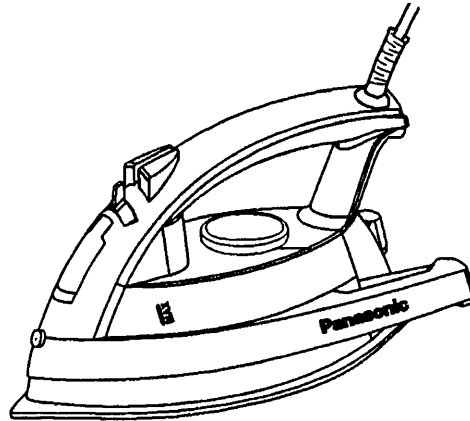


# Service Manual

Electric Steam Iron

**NI-JW670C / JW660T / JW650T**

## ⚠ 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.

## SPECIFICATIONS

Model No.	NI-JW670C	NI-JW660T	NI-JW650T
Item			
Rating	220~240V	1850~2200W	Except Saudi Arabia
	220~240V	1200~1430W	Saudi Arabia
Weight	1.4 kg		
Dimensions (D × W × H)	270 mm × 120 mm × 150 mm		
Tank capacity	200 cc (7.00zs)		
Temperature control range	85 °C ~ 200 °C		
Product color	Silver	Pink	Green

# Panasonic

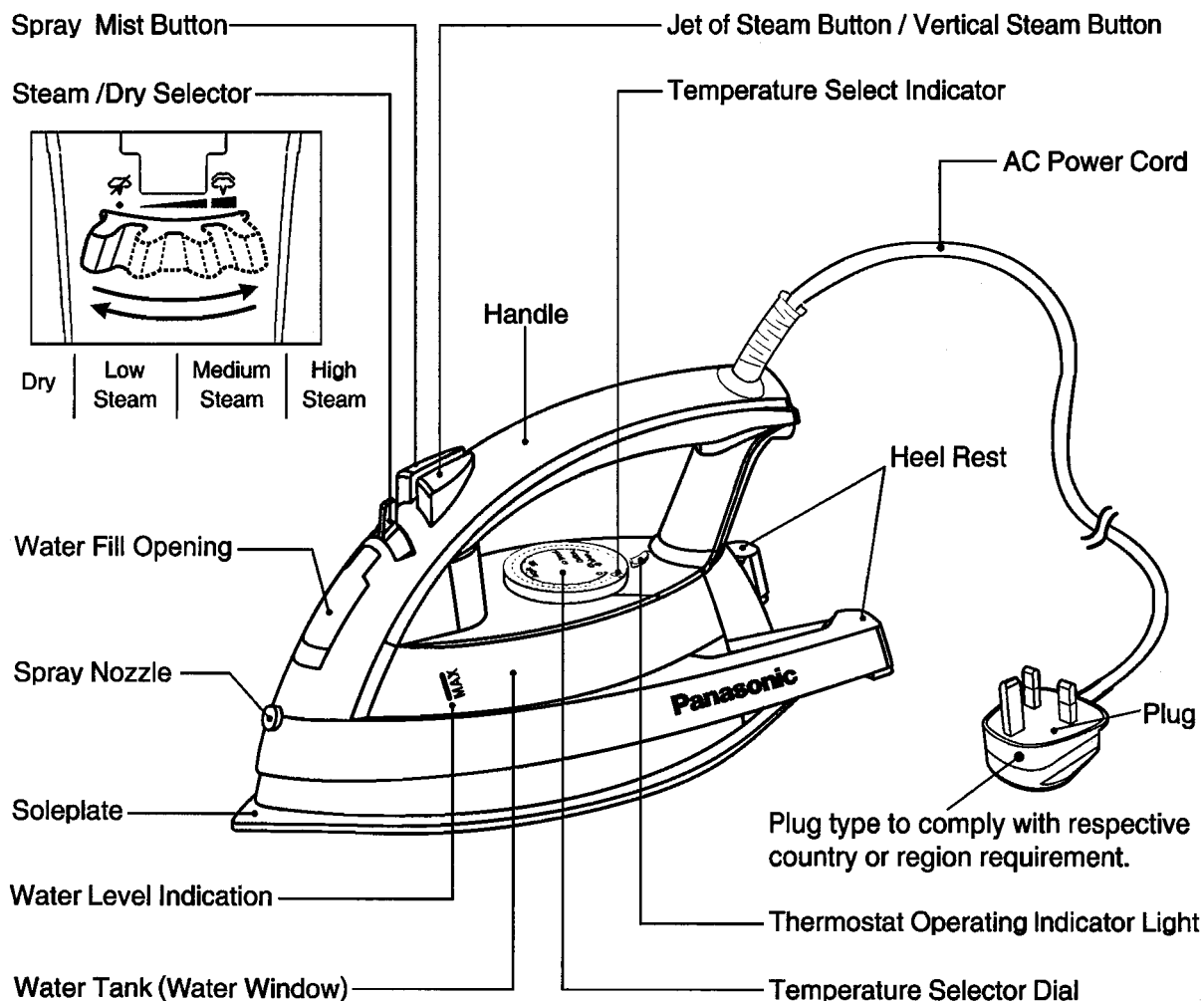
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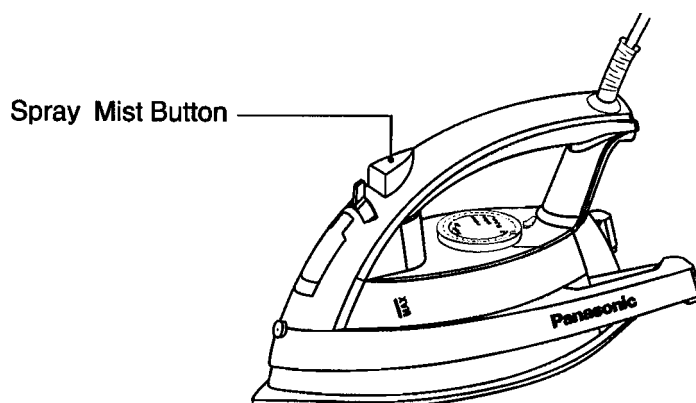
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## COMPONENTS IDENTIFICATION

NI-JW670C / JW660T



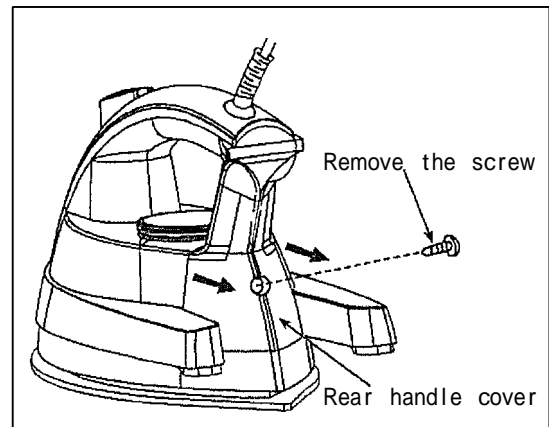
NI-JW650T



# DISASSEMBLY INSTRUCTIONS

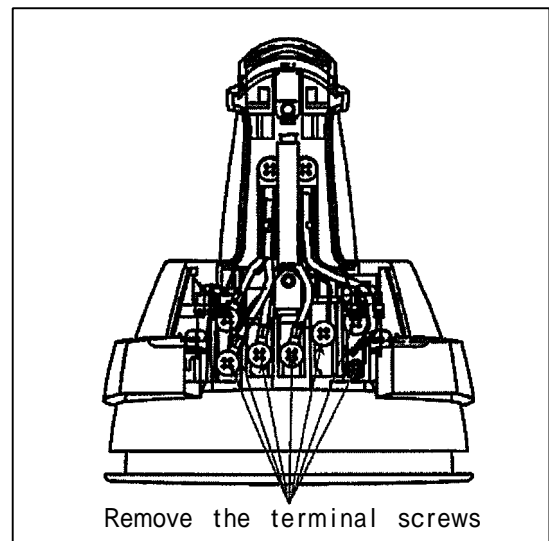
## 1 . REMOVAL OF REAR HANDLE COVER

Remove the screw and pull the Rear handle cover toward you.



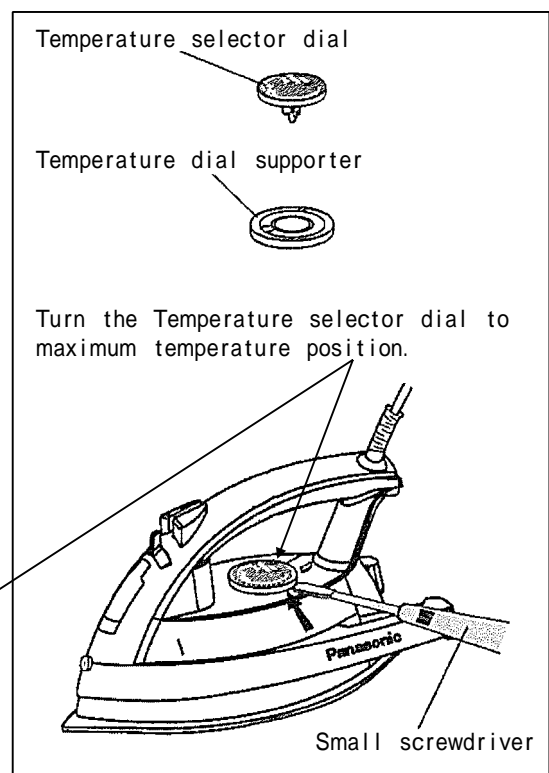
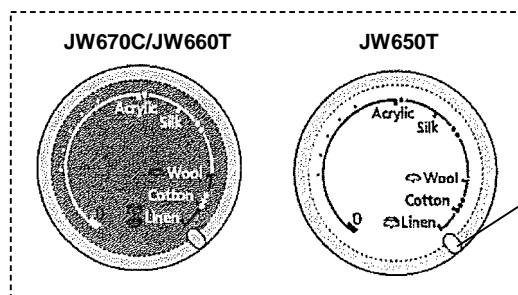
## 2 . REMOVAL OF TERMINAL SCREW

Remove all the screws holding the cord, the Indicator light and the complete control circuit.



## 3 . REMOVAL OF TEMPERATURE SELECTOR DIAL

Turn the Temperature selector dial to maximum temperature position and then lift it by a small screwdriver.



#### 4 . REMOVAL OF HANDLE COVER (A)

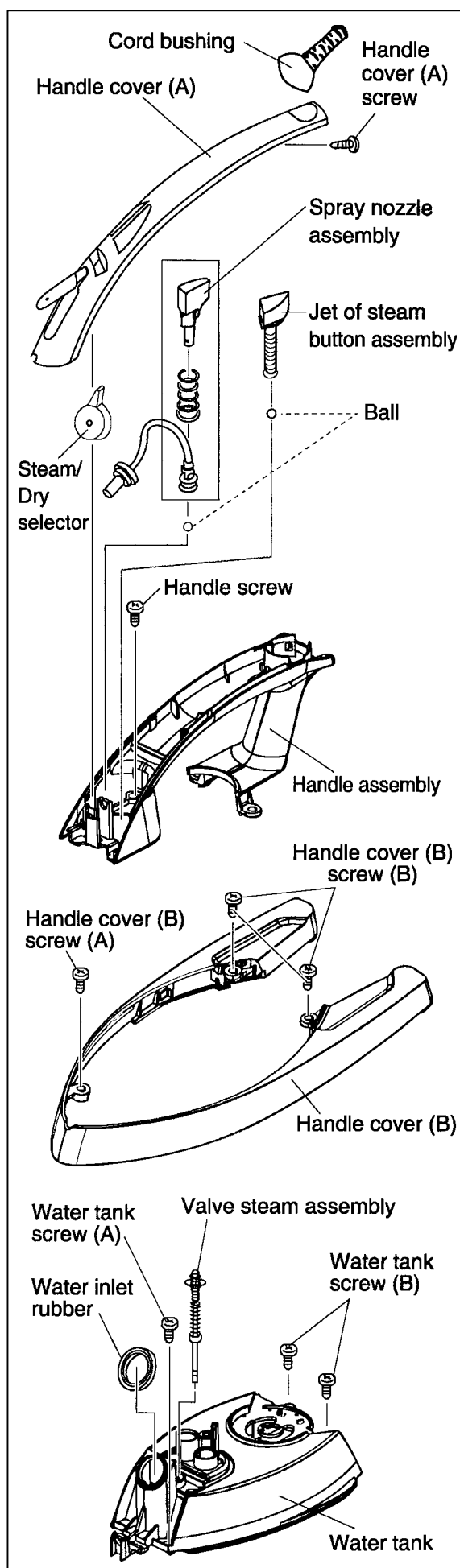
- a) Remove the Handle cover(A) screw and move gently the Steam/Dry selector toward left down direction with left thumb, in order to loose the Handle cover(A) and lift it.
- b) Lift the Steam/Dry selector, Jet of steam button assembly and Spray nozzle assembly from the Handle assembly.

#### 5 . REMOVAL OF HANDLE ASS Y

- a) Firstly, remove the Handle screw and Handle cover(B) screws(B), and then lift the Handle assembly.
- b) Remove the Handle cover(B) screw(A), and then lift the Handle cover(B).
- c) Remove the Balls, Water inlet rubber and Valve steam assembly from the Water tank.

#### 6 . REMOVAL OF WATER TANK

Remove Water tank screws(A)and(B), then lift the Water tank.

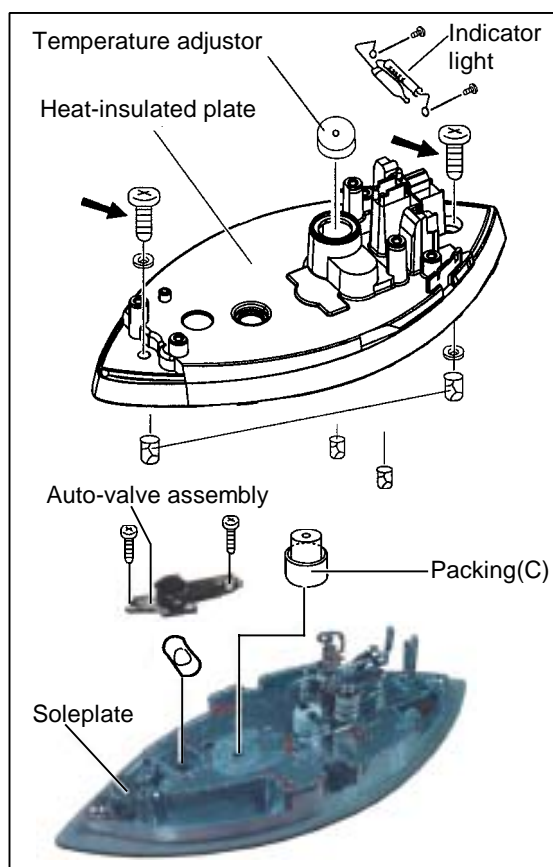


## 7 . REMOVAL OF HEAT-INSULATED PLATE

- a) Lift the Indicator light assembly from the Heat-insulated plate. Remove the screws indicated by arrows and lift the Heat-insulated plate.
- b) Lift the Packing(c). (NI-JW670C/JW660T only)

## 8 . REMOVAL OF AUTO-VALVE ASSEMBLY

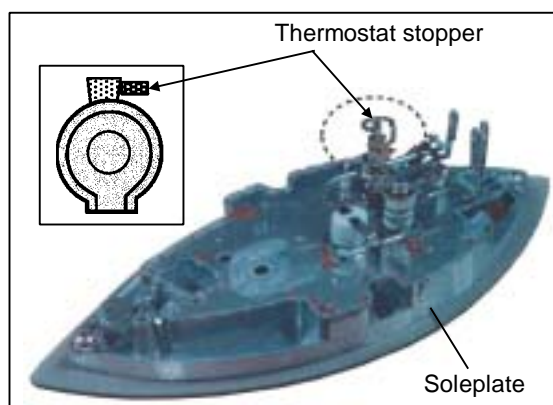
Remove the Fixed plate screws by arrows and lift the Auto-valve assembly, then remove the Disc bimetal.



## DIRECTIONS FOR REASSEMBLY (REASSEMBLY IN THE ORDER REVERSES FOR THAT OF DISASSEMBLY.)

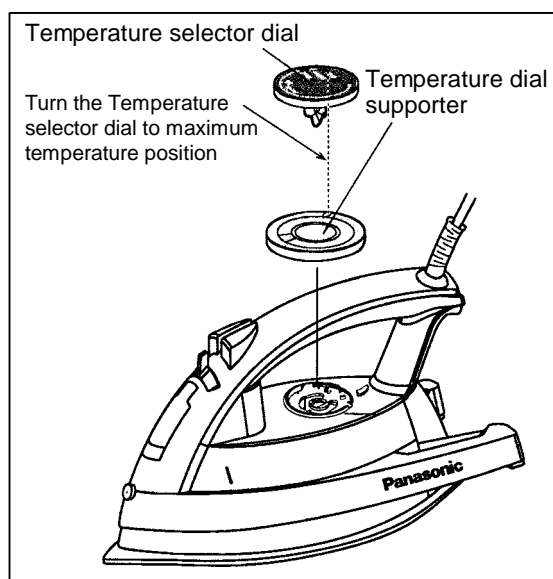
### 1 . INSTALLATION OF HEAT-INSULATED PLATE (ATTACH THE HANDLE)

Before installing the Heat-insulated plate, ought to turn the Temperature selector dial in a clockwise direction to the end of position.



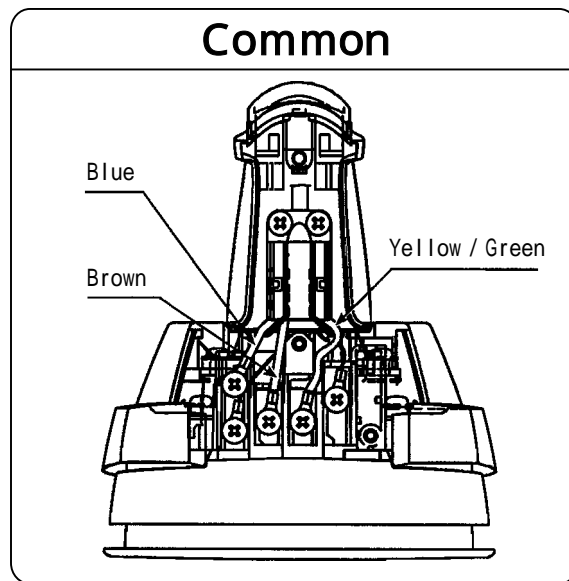
### 2 . INSTALLATION OF TEMPERATURE SELECTOR DIAL

Before installing the Temperature selector dial,ought to turn the Temperature selector dial to maximum temperature position then install it into Water tank.

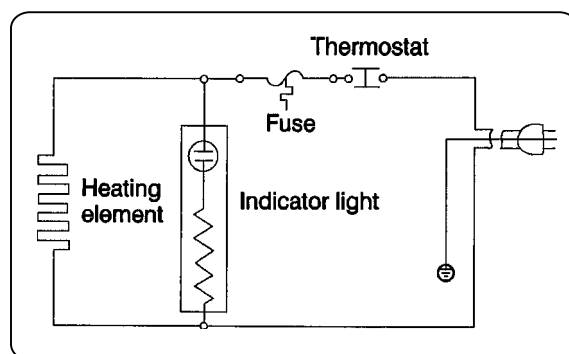


### 3 . CONNECTION OF THE CORD

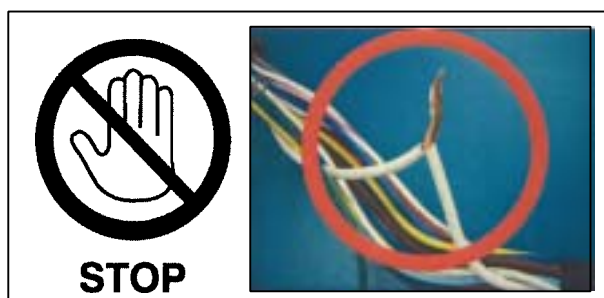
Properly wire the AC power cord, the Indicator light cord and the complete control circuit cord as shown in the figure.



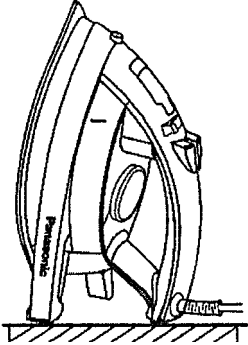
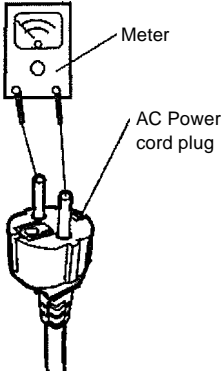
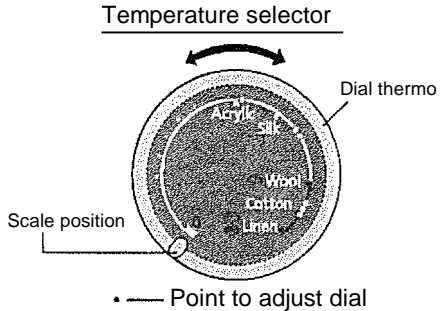
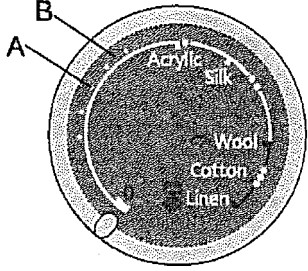
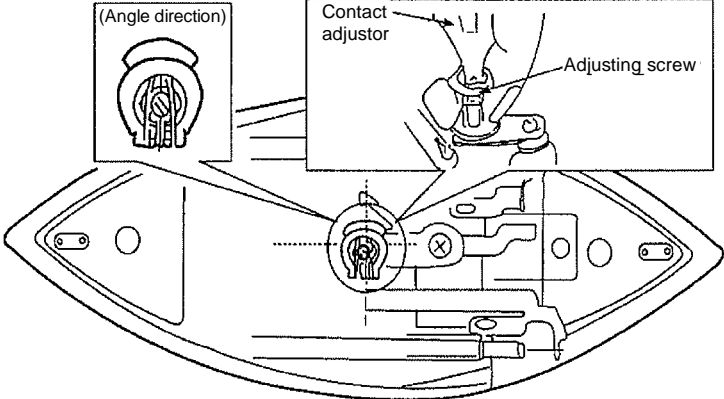
### 4 . SCHEMATIC DIAGRAM



1. Please connect the wires exactly according to the circuit diagram when installing, or it may lead to accidents of electrical leakage, smoke, injury etc.
2. During installing, all the screws must be fully fixed to avoid loosening and dropping, which may result in injury and safety accidents because of the increasing current.
3. If new components need to be replaced, you must firstly check them from the <REPLACEMENT PARTS LIST>. Make sure that they are the proper components before installing.
4. Don't join the two pieces of the broken cord of the components. You must replace the broken components with a whole replacement.

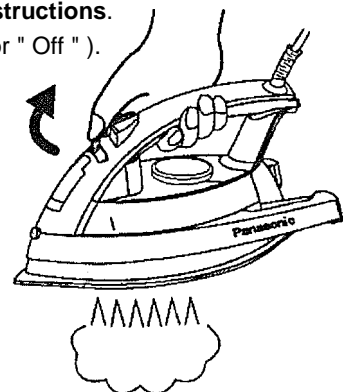


## TEMPERATURE TEST METHOD (CONFIRM WITH AN OHMMETER)

Step1 .	Step2 .	Step3 .
<ul style="list-style-type: none"> <li>To cool, unplug and allow the iron to room temperature.</li> </ul> 	<ul style="list-style-type: none"> <li>Attach the ohmmeter leads across both plug prongs.</li> </ul> 	<ul style="list-style-type: none"> <li>Adjust the temperature selector dial to the "0" position..</li> <li>Meter should indicate open condition.</li> </ul> 
Step4 .	Step5 .	
<ul style="list-style-type: none"> <li>If the meter needle deflects while the temperature selector dial is within the range shown by arrows (A) and (B) then iron is working normal.</li> </ul> 	<ul style="list-style-type: none"> <li>If the temperature selector dial causes the meter to deflect before point (A) , turn the adjusting screw clockwise 1/4 turn then go back to Step3.</li> <li>If the temperature selector dial causes the meter to deflect beyond point (B) , turn the adjusting screw counterclockwise 1/4 turn then proceed Step3.</li> </ul>  <p>NOTE: While adjusting for the proper setting it may be necessary to repeat Step 4 several times.</p>	

## STEAM TEST

1. Fill the iron as described in " **HOW TO FILL WITH WATER** " in the **Operating Instructions**.
2. Set the iron vertically and make sure the Temperature selector dial is set to " 0 " (or " Off " ). Plug the AC cord into the electrical outlet.
3. Set the Temperature selector dial to the steam zone
4. Preheat the iron until the Indicator light goes out, usually in about 1-2 minute.
5. Hold the iron horizontally and move the Steam/Dry selector into the steam position. Now steam ironing can begin.
6. Anytime the iron is set vertically the steaming action will stop.

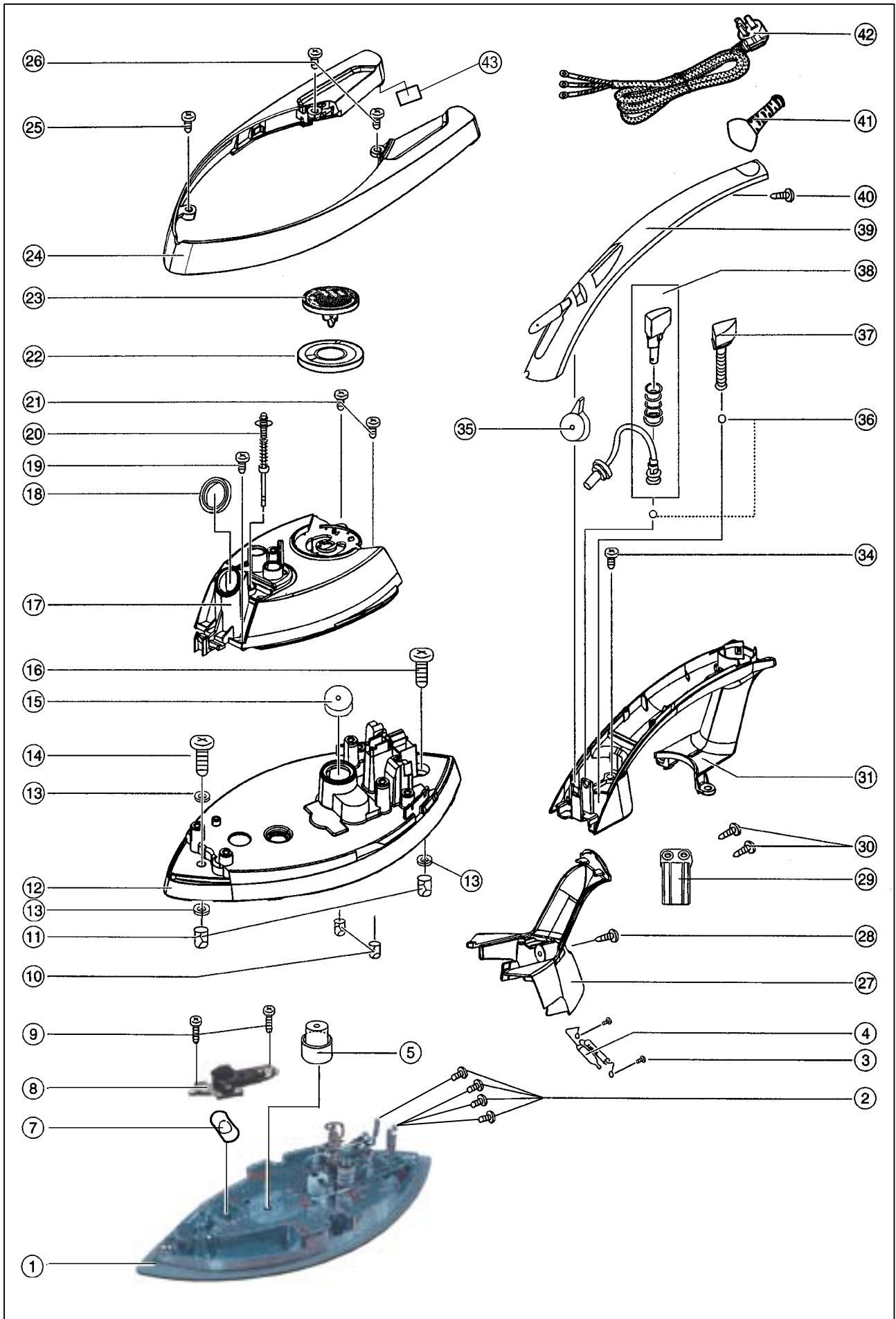


# TROUBLE SHOOTING GUIDE

CONDITION	CHECK POINT	CAUSE	REMEDY
No steam or poor steaming force  (perform <b>STEAM TEST</b> )	<p>A. Check if Temperature selector dial is set at steam zoon( "☁" to "☁"). [ red areaon Temperature Selector Dial ]</p> <p>B. Remove the Water tank, fill if with water and set the Steam/ Dry selector in steam position while tank is held horizontally.</p> <p>C. Check temperature control range (See <b>TEMPERATURE TEST METHOD</b>).</p> <p>D. Check for clogged steam vents on the Soleplate.</p>	<p>A-1. Too low temperature may cause poor discharge of steam or water dropping.</p> <p>B-1. If water does not drip constantly from the bottom opening, it may be clogged.</p> <p>C-1. Refer to Item A-1.</p> <p>D-1. Clogged steam vents may cause poor steaming.</p>	<ul style="list-style-type: none"> <li>•Set Temperature selector dial at steam zoon( "☁" to "☁").</li> <li>•Clean opening or replace Tank if necessary.</li> <li>•Reset the adjusting screw or refer to <b>TEMPERATURE TEST METHOD</b>.</li> <li>•Clean steam vents.</li> </ul>
Water leaks from steam vents	<p>E. Refer to item A.</p> <p>F. Refer to item C.</p>		
Water leaks from Water Tank housing	<p>G. Check that Steam/Dry selector is set in Dry position.</p>	<p>G-1. Cracked or damaged Water tank cause water leak.</p>	<ul style="list-style-type: none"> <li>•Replace the Water tank.</li> </ul>
White powder like particles come out from steam vents while steaming (Perform <b>STEAM TEST</b> )	<p>H. Check if white particles come out while steaming.</p>	<p>H-1. Improper care for the iron after each use and/or high mineral content water.</p>	<ul style="list-style-type: none"> <li>•Follow the collect instructions for carrying and storing the iron.</li> <li>•If Soleplate is damged it will have to be replaced.</li> </ul>
No spray mist	<p>I. Check if the Spray mist button operates correctly.</p> <p>J. Check if there is any clogging of nozzie.</p>	<p>I -1. The Spray mist button is defective.</p> <p>J-1. The Spray nozzie is clogged.</p>	<ul style="list-style-type: none"> <li>•Replace the Spray assembly.</li> <li>•Clean the nozzie.</li> </ul>
Jet of Steam is no put out	<p>K. Check if the Jet of steam button operates correctly.</p> <p>L. Check if the Ball is put in.</p> <p>M. Temperature setting is too low.</p>	<p>K -1. The Jet of steam button is defective.</p> <p>L -1. The Ball is not put in.</p> <p>M-1. Temperature setting is too low.</p>	<ul style="list-style-type: none"> <li>•Replace the Jet of steam button.</li> <li>•Put in the Ball.</li> <li>•Adjust the temperature or replace Soleplate.</li> </ul>



# EXPLODE VIEW (NI-JW670C / JW660T / JW650T)



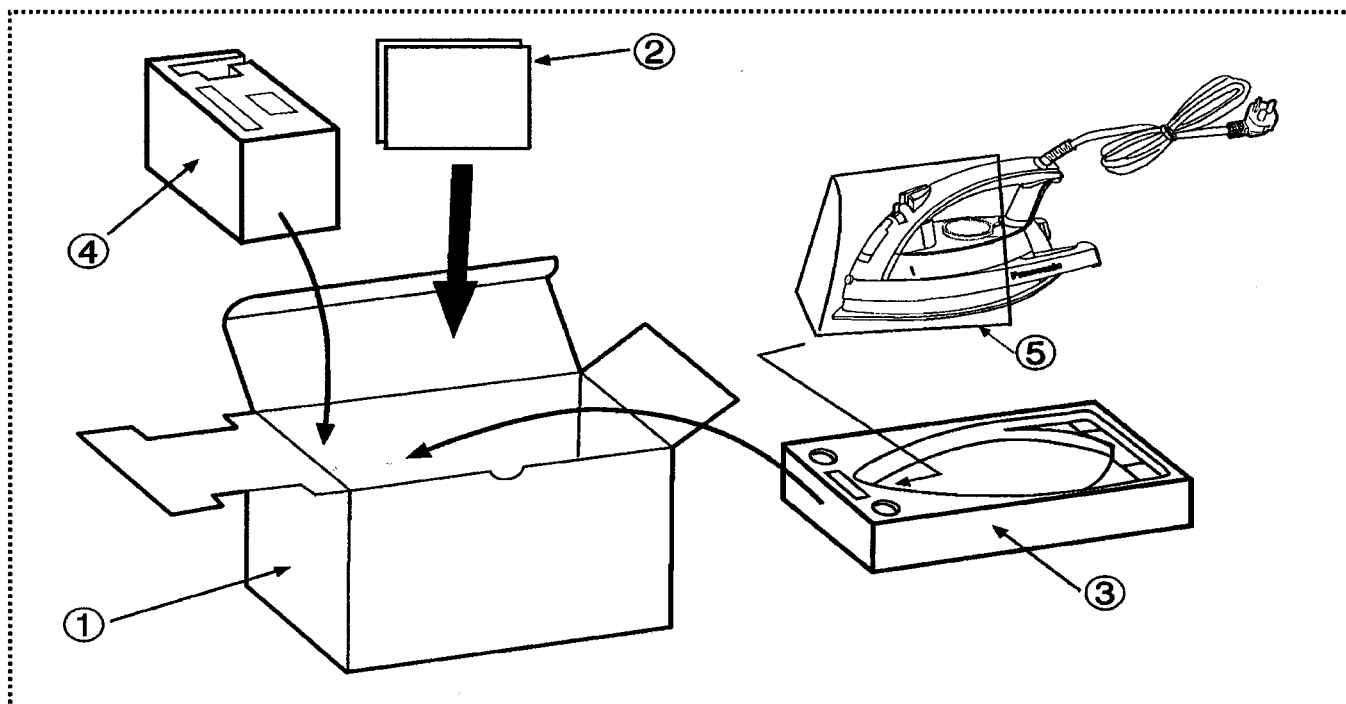
# REPLACEMENT PARTS LIST

REF. NO.	PART NO.	PART NAME	Q'TY /SET	Model No.			REMARKS
				JW670C	JW660T	JW650T	
1	ANI1266KN77U	SOLEPLATE ASSEMBLY	1	○	×	×	⚠ Saudi Arabia only
	ANI1269PN77U	SOLEPLATE ASSEMBLY	1	○	×	×	⚠ Except Saudi Arabia
	ANI1266KN84S	SOLEPLATE ASSEMBLY	1	×	○	×	⚠ Saudi Arabia only
	ANI1269PN84S	SOLEPLATE ASSEMBLY	1	×	○	×	⚠ Except Saudi Arabia
	ANI1266KN85S	SOLEPLATE ASSEMBLY	1	×	×	○	⚠ Saudi Arabia only
	ANI1269PN85S	SOLEPLATE ASSEMBLY	1	×	×	○	⚠ Except Saudi Arabia
2	ANI9009-665	TERMINAL SCREW	3	○	○	○	
3	ANI9009-A43	TERMINAL SCREW	2	○	○	○	
4	ANI5600-N82	INDICATOR LIGHT ASSEMBLY	1	○	○	○	⚠
5	ANI1472-N66K	PACKING C	1	○	○	×	
7	ANI1820-M87	DISC BIMETAL	1	○	○	○	
8	ANI1822KN77	AUTO-VALVE ASSEMBLY	1	○	○	○	
9	ANI9020-022	FIXED PLATE SCREW	2	○	○	○	
10	ANI2350-352	SPACER A	2	○	○	○	
11	ANI2350-449	SPACER B	1	○	○	○	JW650T-2PCs.
12	ANI2340N774N	HEAT-INSULATED PLATE	1	○	×	×	
	ANI2340N77PK	HEAT-INSULATED PLATE	1	×	○	×	
	ANI2340N782J	HEAT-INSULATED PLATE	1	×	×	○	
13	ANI2346-K09	ADIABATIC GASKET	2	○	○	○	JW650T-3PCs.
14	ANI9021-N77	HEAT-INSULATED PLATE SCREW A	1	○	○	×	
	XTV4+20JFN	HEAT-INSULATED PLATE SCREW A	1	×	×	○	
15	ANI2179-N77	TEMPERATURE ADJUSTOR	1	○	○	○	
16	XTV4+20JFN	HEAT-INSULATED PLATE SCREW B	1	○	○	○	
17	ANI1510AN83N	WATER TANK	1	○	×	×	Saudi Arabia only
	ANI1510YN83N	WATER TANK	1	○	×	×	Except Saudi Arabia
	ANI1510AN84N	WATER TANK	1	×	○	×	Saudi Arabia only
	ANI1510YN84N	WATER TANK	1	×	○	×	Except Saudi Arabia
	ANI1510YN85N	WATER TANK	1	×	×	○	Common
18	ANI1633-436	WATER INLET RUBBER	1	○	○	○	
19	XTN4+12BFN	WATER TANK SCREW A	1	○	○	○	
20	ANI1850-N77	VALVE STEAM ASSEMBLY	1	○	○	×	Except Saudi Arabia
	ANI1850-N78	VALVE STEAM ASSEMBLY	1	○	○	○	Saudi Arabia only, JW650T-common
21	XTW4+16EFN	WATER TANK SCREW B	2	○	○	○	
22	ANI2171N77X6	TEMPERATURE DIAL SUPPORTER	1	○	○	○	
23	ANI2186KN77N	TEMPERATURE SELECTOR DIAL	1	○	×	×	
	ANI2160WN77N	TEMPERATURE SELECTOR DIAL	1	×	○	×	
	ANI2186KN78X	TEMPERATURE SELECTOR DIAL	1	×	×	○	
24	ANI2070AN83X	HANDLE COVER B	1	○	×	×	
	ANI2070WN84S	HANDLE COVER B	1	×	○	×	
	ANI2070WN85S	HANDLE COVER B	1	×	×	○	
25	XTN4+12BFN	HANDLE COVER B SCREW A	1	○	○	○	

# REPLACEMENT PARTS LIST

REF. NO.	PART NO.	PART NAME	Q'TY /SET	Model No.			REMARKS
				JW670C	JW660T	JW650T	
26	XTW4+16EFN	HANDLE COVER B SCREW B	2	○	○	○	
27	ANI2020N774N	REAR HANDLE COVER	1	○	×	×	
	ANI2020N773S	REAR HANDLE COVER	1	×	○	×	
	ANI2020N772J	REAR HANDLE COVER	1	×	×	○	
28	XTW3+12BFN	REAR HANDLE SCREW	1	○	○	○	
29	ANI4663-N77	FIXED BOARD OF THE CORD	1	○	○	○	
30	XTN4+8BFN	FIXED BOARD SCREW	2	○	○	○	
31	ANI2000N774N	HANDLE ASSEMBLY	1	○	×	×	⚠
	ANI2000N773S	HANDLE ASSEMBLY	1	×	○	×	⚠
	ANI2000N772J	HANDLE ASSEMBLY	1	×	×	○	⚠
34	XTN4+12BFN	HANDLE SCREW	1	○	○	○	
35	ANI2110N774N	STEAM/DRY SELECTOR	1	○	×	×	
	ANI2110N77XS	STEAM/DRY SELECTOR	1	×	○	○	
36	ANI1701-344	BALLS	2	○	○	○	JW650T-1PC.
37	ANI1705N77S2	JET OF STEAM BUTTON ASSEMBLY	1	○	×	×	
	ANI1705N80XS	JET OF STEAM BUTTON ASSEMBLY	1	×	○	×	
38	ANI2140N77S2	SPRAY NOZZLE ASSEMBLY	1	○	×	×	
	ANI2140N82XS	SPRAY NOZZLE ASSEMBLY	1	×	○	×	
	ANI2140N78XS	SPRAY NOZZLE ASSEMBLY	1	×	×	○	
39	ANI2060YN77X	HANDLE COVER A	1	○	×	×	
	ANI2060YN82X	HANDLE COVER A	1	×	○	×	
	ANI2060YN78X	HANDLE COVER A	1	×	×	○	
40	XTN4+12BFN	HANDLE COVER A SCREW	1	○	○	○	
41	ANI4646M894N	CORD BUSHING	1	○	×	×	
	ANI4646M89XS	CORD BUSHING	1	×	○	○	
42	ANI4511-N77K	CORD ASSEMBLY	1	○	×	×	⚠ Oman, Qatar, Iran
	ANI4440FN77K	CORD ASSEMBLY	1	○	×	×	⚠ Kuwait, UAE
	ANI4451-N83V	CORD ASSEMBLY	1	○	×	×	⚠ Saudi Arabia only
	ANI4511WN77K	CORD ASSEMBLY	1	×	○	○	⚠ Oman, Qatar, Iran
	ANI4440WN77K	CORD ASSEMBLY	1	×	○	○	⚠ Kuwait, UAE
	ANI4451WN84V	CORD ASSEMBLY	1	×	○	○	⚠ Saudi Arabia only
43	ANI6737-N83B	LABEL	1	○	×	×	Saudi Arabia only
	ANI6737-N83I	LABEL	1	○	×	×	Except Saudi Arabia
	ANI6737-N84B	LABEL	1	×	○	×	Saudi Arabia only
	ANI6737-N84I	LABEL	1	×	○	×	Except Saudi Arabia
	ANI6737-N85B	LABEL	1	×	×	○	Saudi Arabia only
	ANI6737-N85I	LABEL	1	×	×	○	Except Saudi Arabia

## PACKING INSTRUCTIONS



## PACKING PARTS LIST

REF. NO.	PART NO.	PART NAME	Q'TY /SET	Model No.			REMARKS
				JW670C	JW660T	JW650T	
1	ANI8100KN83A	BOX	1	○	×	×	
	ANI8100KN84A	BOX	1	×	○	×	
	ANI8100KN85A	BOX	1	×	×	○	
2	ANI8218KN83A	OPERATING INSTRUCTIONS	1	○	○	○	Saudi Arabia only
	ANI8200KN83A	OPERATING INSTRUCTIONS	1	○	○	○	Except Saudi Arabia
3	ANI8401-N83	PACKING FILLER A	1	○	○	○	
4	ANI8402-N83	PACKING FILLER B	1	○	○	○	
5	ANI8800-025	NYLON COVER	1	○	○	○	