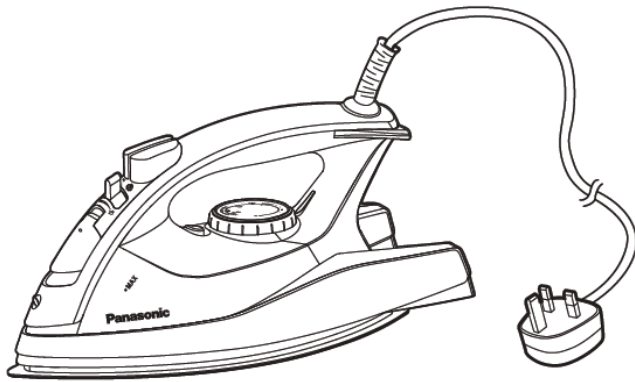


Service Manual

(Household) Steam Iron
Model No. NI-JW900
NI-JW950

Middle East



NI-JW950A

TENTATIVE

⚠ 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 manufacture'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. WARNING

Caution:

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70° F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 750 ±20° F (400 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100° F / 600°C).

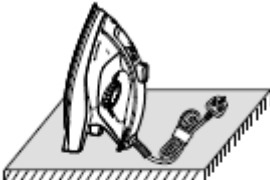
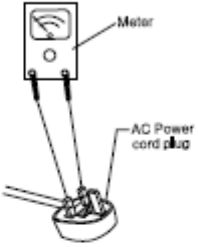
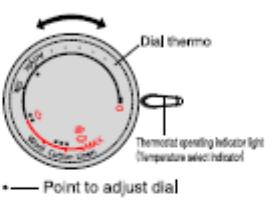
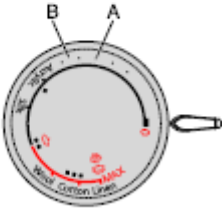
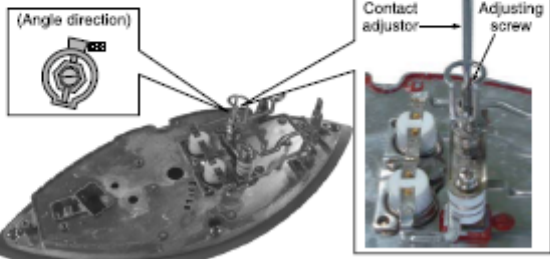
2. SPECIFICATIONS

	NI-JW950A	NI-JW900C
Power source	AC 220-240 V, 50-60Hz	
Power consumption	2000-2400 W (9.1-10.0 A)	
Temperature control range	80 – 200°C	
Tank capacity	310mL (10.9 ozs.)	
Weight	Approx. 1.5 kg	
Dimension (D x W x H)	Approx. 307 mm X 139 mm X 151 mm	

3. TROUBLESHOOTING GUIDE

CONDITION	CHECK POINT	CAUSE	REMEDY
No steam or poor steaming force (Perform STEAM TEST refer to Page 9.)	A. Check if the Temperature selector is set at steam zone (* to *), B. Remove the Water tank, fill it with water and set the Steam/Dry selector in steam position while tank is held horizontally, C. Check temperature control range (See TEMPERATURE TEST METHOD). D. Check for clogged steam vents on the Soleplate.	A-1. Too low temperature may cause poor discharge of steam or water dropping. B-1. If water does not drip constantly from the bottom opening, it may be clogged. C-1. Refer to Item A-1. D-1. Clogged steam vents may cause poor steaming.	- Set the Temperature selector at steam zone (* to *). - Clean opening or replace the Water tank if necessary. - Reset the adjusting screw or refer to TEMPERATURE TEST METHOD, Page 9. - Clean the steam vents.
Water leaks from the steam vents	E. Refer to item A. F. Refer to item C.		
Water leaks from the Water tank housing	G. Check that Steam/Dry selector is set in Dry position.	G-1. Cracked or damaged Water tank cause water leak.	Replace the Water tank.
White powder like particles come out from the steam vents while steaming (Perform STEAM TEST refer to Page 9.)	H. Check if white particles come out while steaming.	H-1. Improper care for the iron after each use and/or high mineral content water.	- Follow the collect instructions for carrying and storing the iron. - If Soleplate is damaged it will have to be replaced.
No spray mist	I. Check if the Spray mist button operates correctly. J. Check if there is any clogging of nozzle.	I-1. The Spray mist button is defective. J-1. The spray nozzle is clogged.	- Replace the Spray assembly. - Clean the nozzle.
Jet of Steam is no put out	K. Check if the Jet of steam button operates correctly. L. Check if the Ball is put in. M. Temperature setting is too low.	K-1. The Jet of steam button is defective. L-1. The Ball is not put in. M-1. Temperature setting is too low.	- Replace the Jet of steam button. - Put in the Ball. - Adjust the temperature or replace Soleplate.

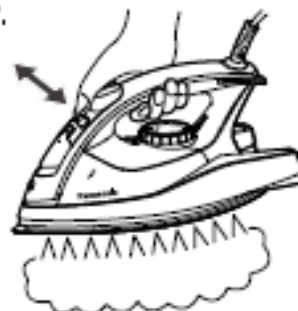
4. TEMPERATURE TEST METHOD (confirm with an ohmmeter)

Step 1. To cool,unplug and allow the iron to room temperature. 	Step 2. Attach the ohmmeter leads across both plug prongs. 	Step 3. - Adjust the Temperature selector to the "0" position. - Meter should indicate open condition. Temperature selector 
Step 4. If the meter needle deflects while the Temperature selector is within the range shown by arrows (A) and (B) then iron is working normal, 	Step 5. - If the Temperature selector causes the meter to deflect before point (A), turn the adjusting screw clockwise 1/4 turn then go back to Step3. - If the Temperature selector causes the meter to deflect beyond point (B), turn the adjusting screw counterclockwise 1/4 turn then proceed Step 3.  NOTE: While adjusting for the proper setting it may be necessary to repeat Step 4 several times.	

5. TEST after repairing

STEAM TEST

1. Fill the iron as described in " HOW TO FILL WATER " in the **Operating Instructions**.
2. Position the iron vertically and be sure the Temperature selector is set to " 0 ".
3. Plug the Mains Lead (Supply Cord) into the household mains socket.
4. Set the Temperature selector to the steam zone (" ☺ " to " ☻ ").
5. Preheat the iron until the Indicator light goes out, usually it takes about 1 minute. The light will go on and off while ironing to indicate the temperature chosen by the Temperature selector is being maintained.
6. Hold the iron horizontally and set the Steam/Dry selector to the steam position.
7. Whenever the iron is positioned vertically, the steaming action will stop.

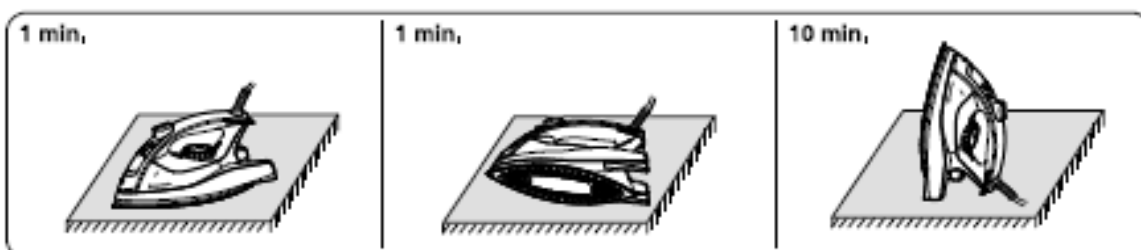


AUTO-SHUT-OFF TEST (NI-JW950 only)



The Auto Shut-Off feature (or setting the Temperature Selector to " 0 ") is not intended to take the place of unplugging the AC cord. Disconnect the electric iron when it is not in use. Even though the iron is unplugged, the soleplate is still hot. Be sure to rest the iron on its heel and keep it away from fabric.

1. When the iron is left unmoved with its Soleplate facing down or on its side for approx. 1 minute, the iron will automatically shut off.
2. When the iron is left unmoved with its Heel Rest facing down or on its side for approx. 10 minutes, the iron will automatically shut off.
3. To resume ironing and turn the iron on, simply move the iron in any manner. If the iron has been left in the auto shut off mode for more than 10 minutes, Allow the iron to reheat until the Indicator Light goes out.



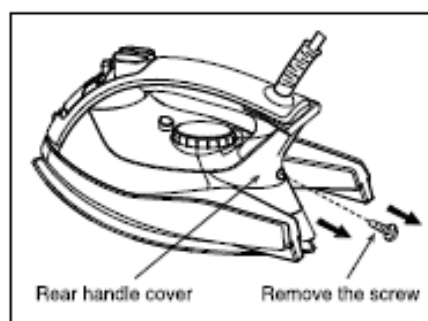
Note: 1. The Auto Shut-Off system works regardless of position of the Temperature Selector.
2. Always unplug the iron when you finish ironing.

6 DISASSEMBLY/ASSEMBLY INSTRUCTIONS

6.1. DISASSEMBLY INSTRUCTION

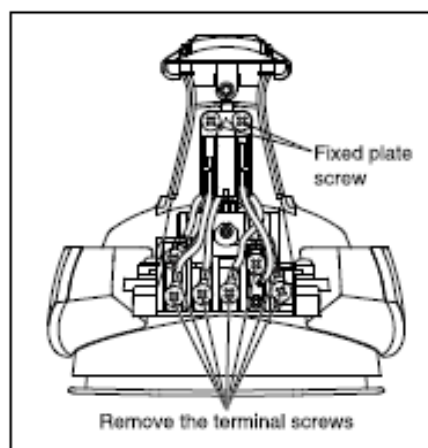
1. REMOVAL OF THE REAR HANDLE COVER

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



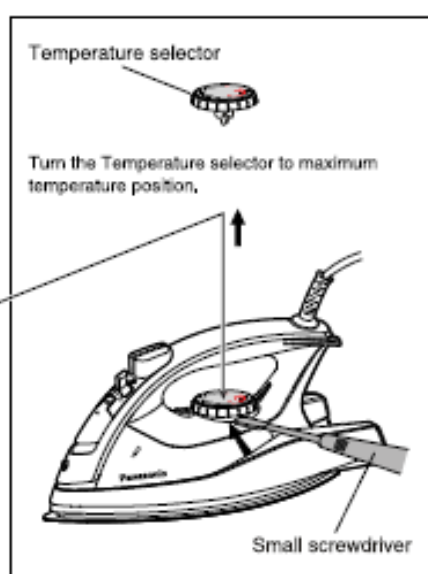
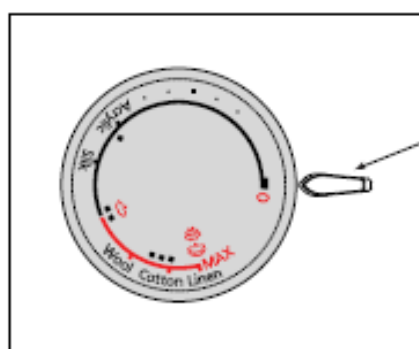
2. REMOVAL OF THE TERMINAL SCREW

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



3. REMOVAL OF THE TEMPERATURE SELECTOR

Turn the Temperature selector to maximum temperature position ("MAX"), and then lift it by a small screwdriver.



4. REMOVAL OF THE HANDLE COVER

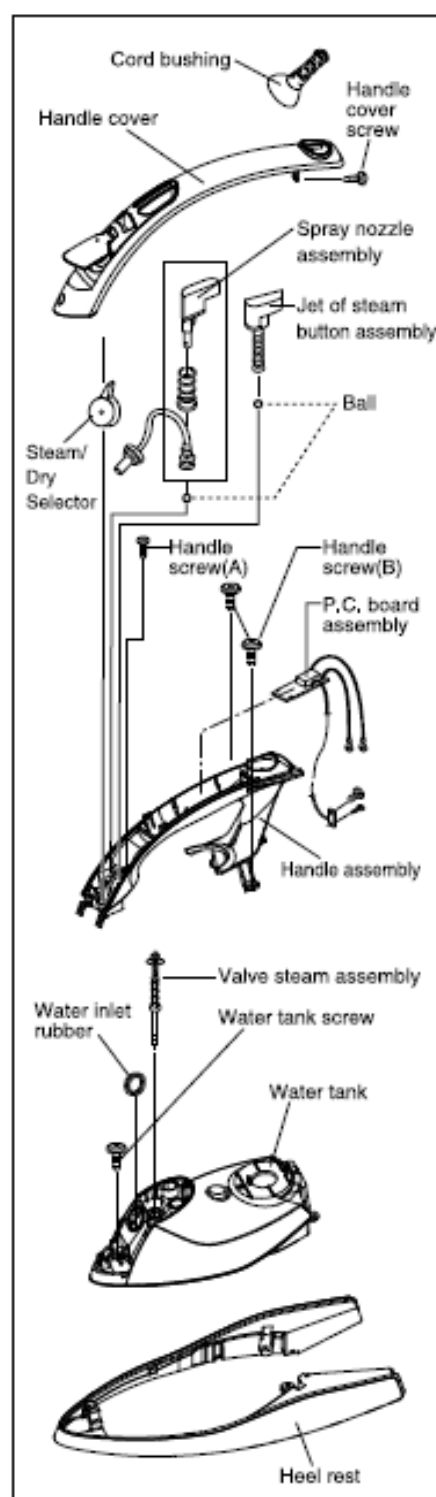
- Remove the Handle cover screw and move gently the Steam/Dry selector toward left down direction with left thumb, in order to loose the Handle cover and lift it.
- Lift the Steam/Dry selector, Jet of steam button assembly and Spray nozzle assembly from the Handle assembly.

5. REMOVAL THE P.C. BOARD ASS'Y (NI-W950A, NI-W940C only)

Remove the Terminal screws and then remove the P.C. board assembly.

6. REMOVAL OF THE HANDLE ASS'Y, THE WATER TANK AND THE HEEL REST

- Firstly, remove the Handle screw and the Water tank screw, and then lift the Handle assembly.
- Remove the Balls, the Water inlet rubber and the Valve steam assembly from the Water tank.
- Remove the Water tank.
- Remove the Heel rest.

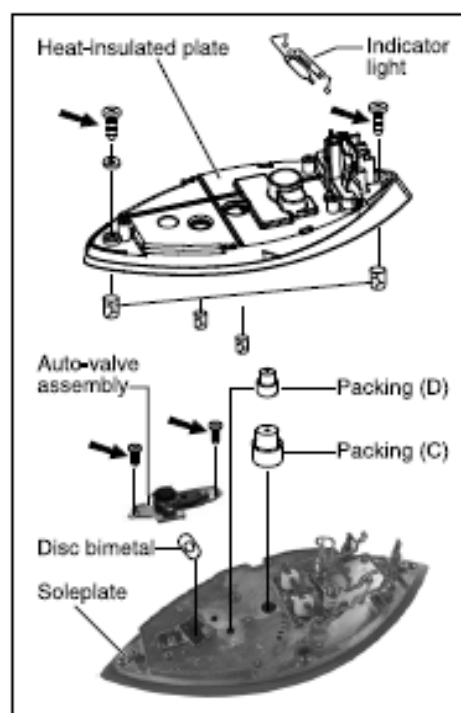


7. REMOVAL OF THE HEAT-INSULATED PLATE

- Lift the Indicator light assembly from the Heat-insulated plate. Remove the screws indicated by arrows and lift the Heat-insulated plate.
- Lift the Packing (D).
- Lift the Packing (C).

8. REMOVAL OF THE AUTO-VALVE ASSEMBLY

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

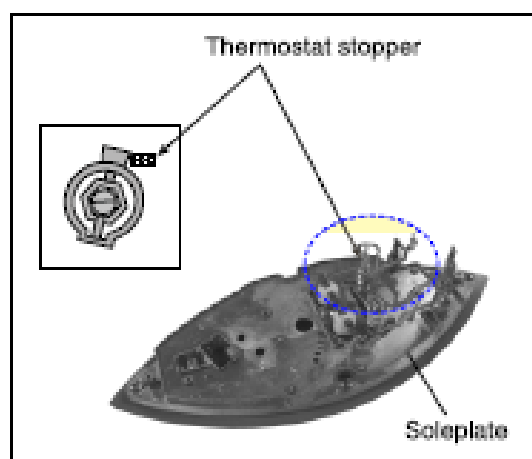


6.2 ASSEMBLY INSTRUCTIONS

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

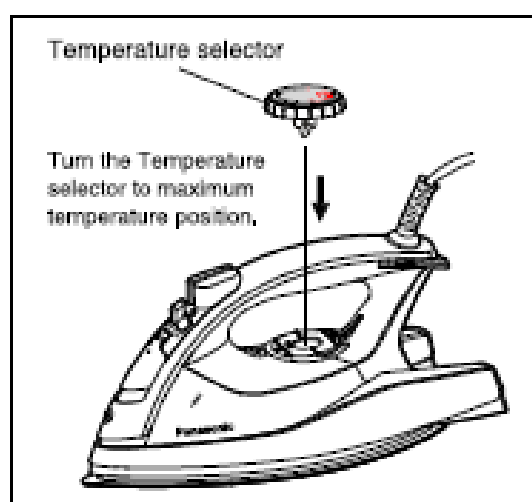
1. INSTALLATION OF THE HEAT-INSULATED PLATE

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



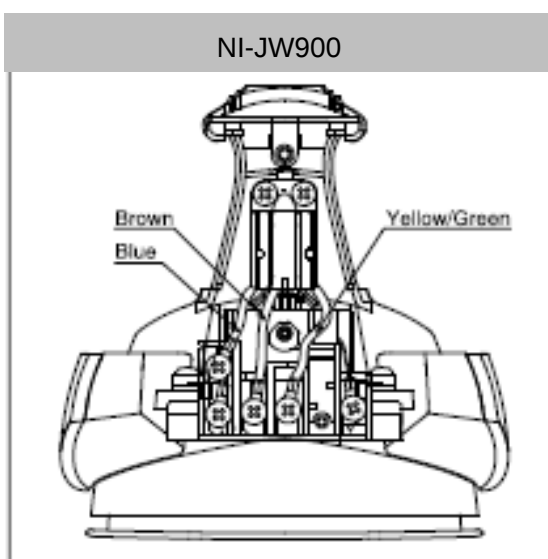
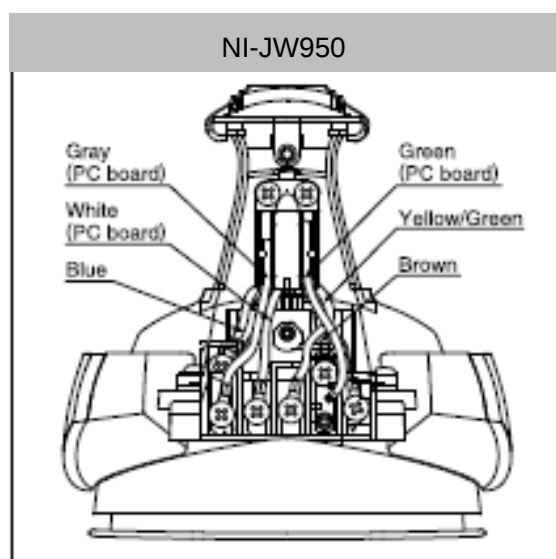
2. INSTALLATION OF THE TEMPERATURE SELECTOR

Before installing the Temperature selector, ought to turn the Temperature selector to maximum temperature position (' MAX '), then install it into the 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,

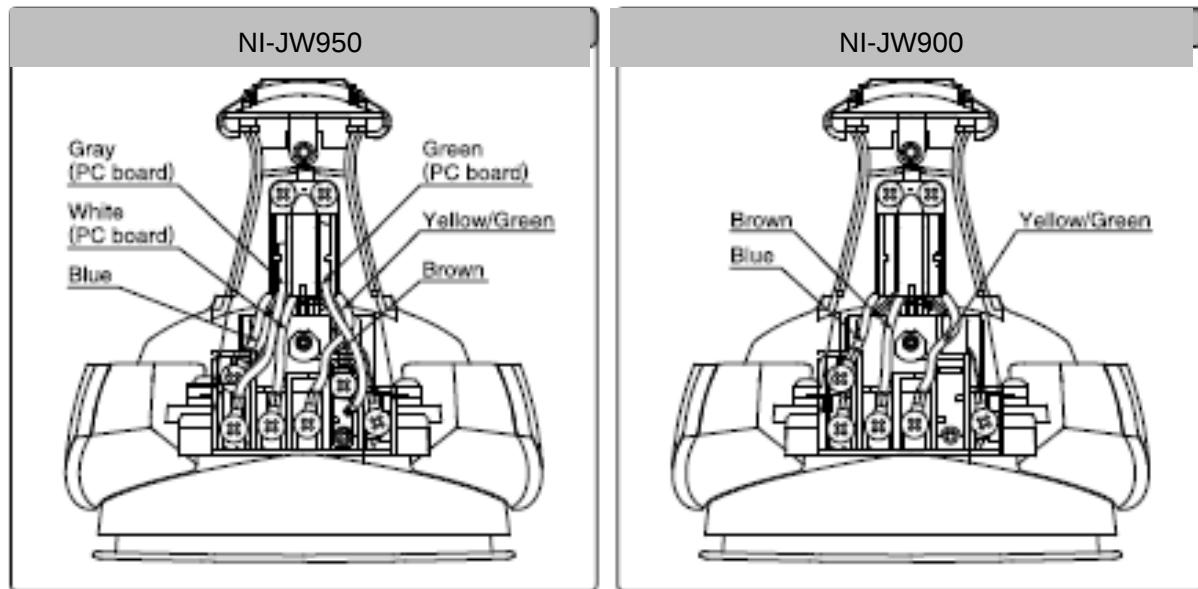


 WARNING

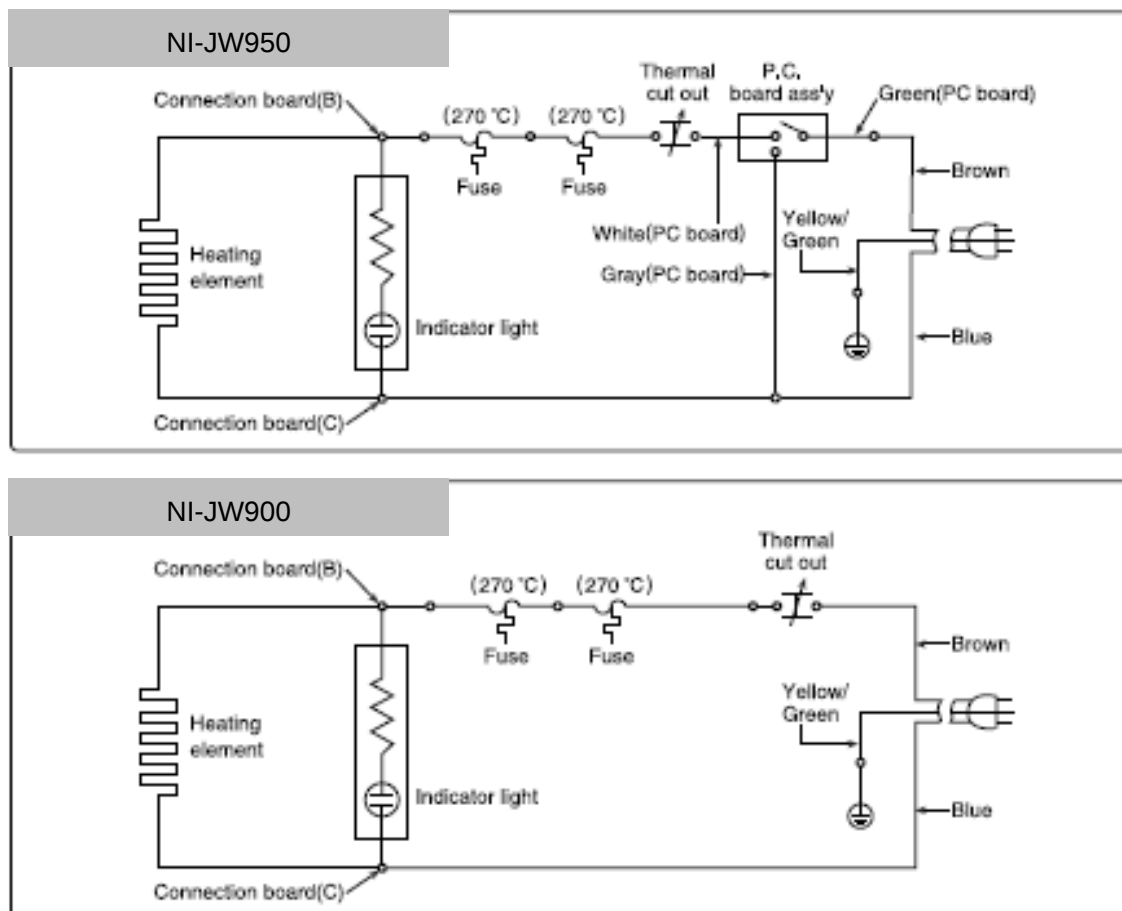
1. Please connect the wires exactly according to the circuit diagram when installing, or it may lead to accidents of electrical leakage, smoke, injury etc.
2. During installing, all the screws must be fully fixed to avoid loosening and dropping, which may result in injury and safety accidents because 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.



7. WIRING CONNECTION DIAGRAM

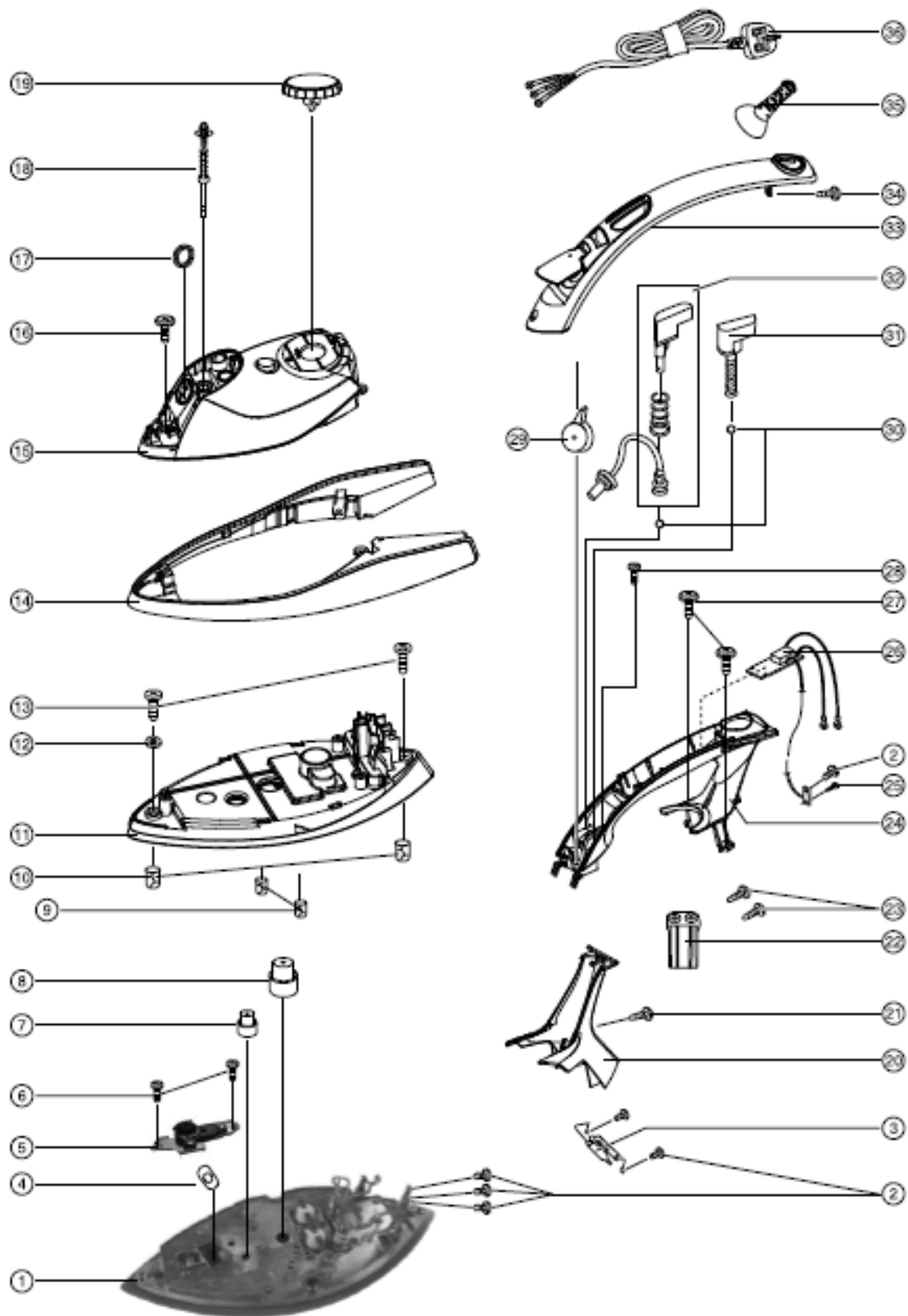


8. SCHEMATIC DIAGRAM



9. EXPLODED VIEW & REPLACEMENT PARTS LIST

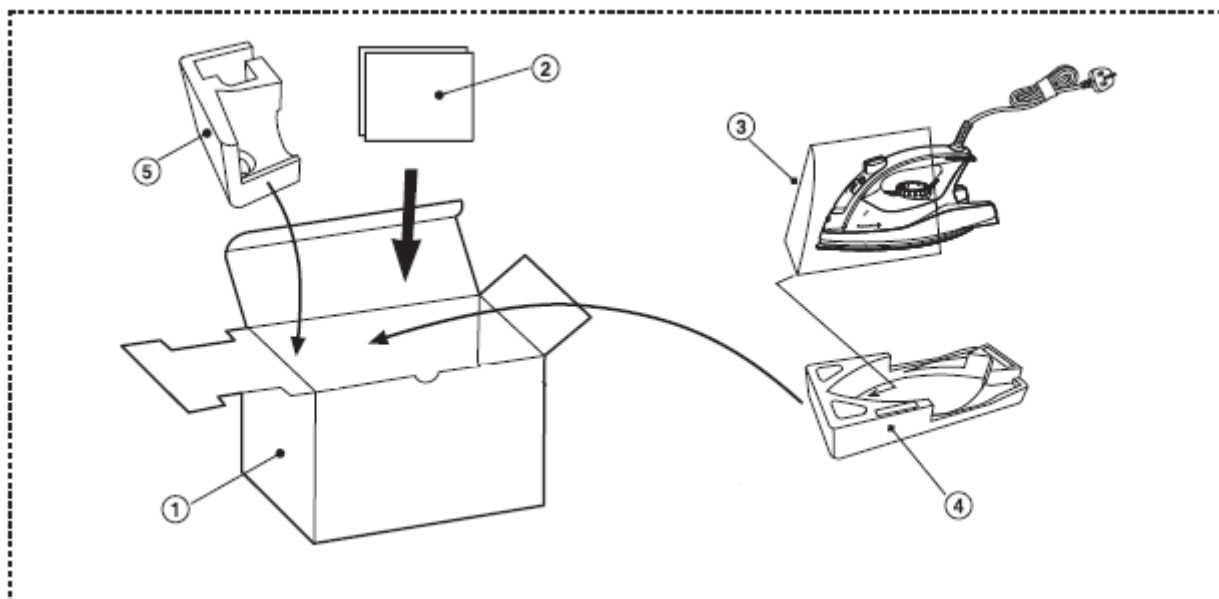
9.1 EXPLODED VIEW for UNIT



9.2 REPLACEMENT PARTS LIST for UNIT

	Ref.No.	Part No.	Part Name & Descriptions	Quantity	Remarks
⚠	1	ANI1069PP23L	SOLEPLATE ASSEMBLY	1	NI-JW950A
⚠	1	ANI1069PP25U	SOLEPLATE ASSEMBLY	1	NI-JW900C
	2	ANI9009-665	TERMINAL SCREW	6	NI-JW950A
				5	NI-JW900C
⚠	3	ANI5600-P23	INDICATOR LIGHT ASSEMBLY	1	
	4	ANI1820-M87	DISC BIMETAL	1	
	5	ANI1822-P23	AUTO-VALVE ASSEMBLY	1	
	6	ANI9020-022	FIXED PLATE SCREW	2	
	7	ANI1473-P23	PACKING (D)	1	
	8	ANI1472-N66K	PACKING (C)	1	
	9	ANI2350-352	SPACER (A)	2	
	10	ANI2350-449	SPACER (B)	2	
	11	ANI2340P237T	HEAT-INSULATED PLATE	1	NI-JW950A
	11	ANI2340P237A	HEAT-INSULATED PLATE	1	NI-JW900C
	12	ANI2346-K09	ADIABATIC GASKET	2	
	13	XTT4+20JFN	HEAT-INSULATED PLATE SCREW	2	
	14	ANI2090P287T	HEEL REST	1	NI-JW950A
	14	ANI2090P297A	HEEL REST	1	NI-JW900C
	15	ANI1510P238T	WATER TANK	1	NI-JW950A
	15	ANI1510P258X	WATER TANK	1	NI-JW900C
	16	XTW4+16EFN	WATER TANK SCREW	1	
	17	ANI1633-A09	WATER INLET RUBBER	1	
	18	ANI1850-P23	VALVE STEAM ASSEMBLY	1	NI-JW950A
	18	ANI1850-P25	VALVE STEAM ASSEMBLY	1	NI-JW900C
	19	ANI2160P237T	TEMPERATURE SELECTOR	1	NI-JW950A
	19	ANI2160P237A	TEMPERATURE SELECTOR	1	NI-JW900C
	20	ANI2020P237T	REAR HANDLE COVER	1	NI-JW950A
	20	ANI2020P237A	REAR HANDLE COVER	1	NI-JW900C
	21	ANI9021-P23	REAR HANDLE SCREW	1	
	22	ANI4663-N77	FIXED BOARD OF THE CORD	1	
	23	XTN4+12BFN	FIXED BOARD SCREW	2	
	24	ANI2000P267T	HANDLE ASSEMBLY	1	NI-JW950A
	24	ANI2000P258A	HANDLE ASSEMBLY	1	NI-JW900C
	25	ANI9022-003	TERMINAL PLATE SCREW	1	NI-JW950A
⚠	26	ANI5541-N79	P.C.B. ASSEMBLY	1	NI-JW950A
	27	XTN4+20BFN	HANDLE SCREW (B)	2	
	28	XTN4+12BFN	HANDLE SCREW (A)	1	
	29	ANI2110P237T	STEAM/DRY SELECTOR	1	NI-JW950A
	29	ANI2110P237A	STEAM/DRY SELECTOR	1	NI-JW900C
	30	ANI1701-344	BALLS	2	
	31	ANI1705P237T	JET OF STEAM BUTTON ASSEMBLY	1	NI-JW950A
	31	ANI1705P237A	JET OF STEAM BUTTON ASSEMBLY	1	NI-JW900C
	32	ANI2140P237T	SPRAY NOZZLE ASSEMBLY	1	NI-JW950A
	32	ANI2140P257A	SPRAY NOZZLE ASSEMBLY	1	NI-JW900C
	33	ANI2060P268T	HANDLE COVER	1	NI-JW950A
	33	ANI2060P259X	HANDLE COVER	1	NI-JW900C
	34	XTN4+12BFN	HANDLE COVER SCREW	1	
	35	ANI4646M894N	CORD BUSHING	1	NI-JW950A
	35	ANI4646M89XS	CORD BUSHING	1	NI-JW900C
⚠	36	ANI4440P29XS	CORD ASSEMBLY	1	NI-JW900C : S-3 PLUG, only for Saudi Arabia and UAE
⚠	36	ANI4511P29XS	CORD ASSEMBLY	1	NI-JW900C : C-2 PLUG, only for Iran
⚠	36	ANI4440P26KA	CORD ASSEMBLY	1	NI-JW950A : S-3 PLUG, only for Saudi Arabia and UAE
⚠	36	ANI4511P28KA	CORD ASSEMBLY	1	NI-JW950A : C-2 PLUG, only for Iran

9.3 EXPLODED VIEW for PACKING



9.4 REPLACEMENT PARTS LIST for PACKING

	Ref.No.	Part No.	Part Name & Descriptions	Quantity	Remarks
	1	ANICZ-JW950A	INDIVIDUAL BOX	1	NI-JW950, only for Iran
	1	ANICZ-JW950B	INDIVIDUAL BOX	1	NI-JW950, except for Iran
	1	ANICZ-JW900A	INDIVIDUAL BOX	1	NI-JW900, only for Iran
	1	ANICZ-JW900B	INDIVIDUAL BOX	1	NI-JW900, except for Iran
	2	ANITZ-JW950	OPERATING INSTRUCTIONS	1	
	3	AN8800-052	BAG	1	
	4	AN8401-P23	PACKING FILLER A	1	
	5	AN8402-P23	PACKING FILLER B	1	