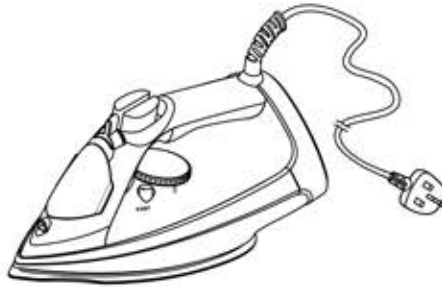


# Service Manual

Steam Iron

NI-U600C/U550C/U500C/U400C



NI-U600C/NI-U550C/NI-U500C/NI-U400C



## 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 warning 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.

## SPECIFICATIONS

Item \ Model No.	NI-U600C	NI-U550C	NI-U500C	NI-U400C
Product color	Blue	Blue	Blue	Red
Rating	220-240 V ~ 50-60 Hz 1930-2300 W 8.8-9.6A	220-240 V ~ 50-60 Hz 1930-2300 W 8.8-9.6A		
Weight	Approx. 1.5 kg			
Dimensions (DxWxH)	297mmx125mmx142mm			
Tank capacity	Approx. 300 mL			

**Panasonic®**

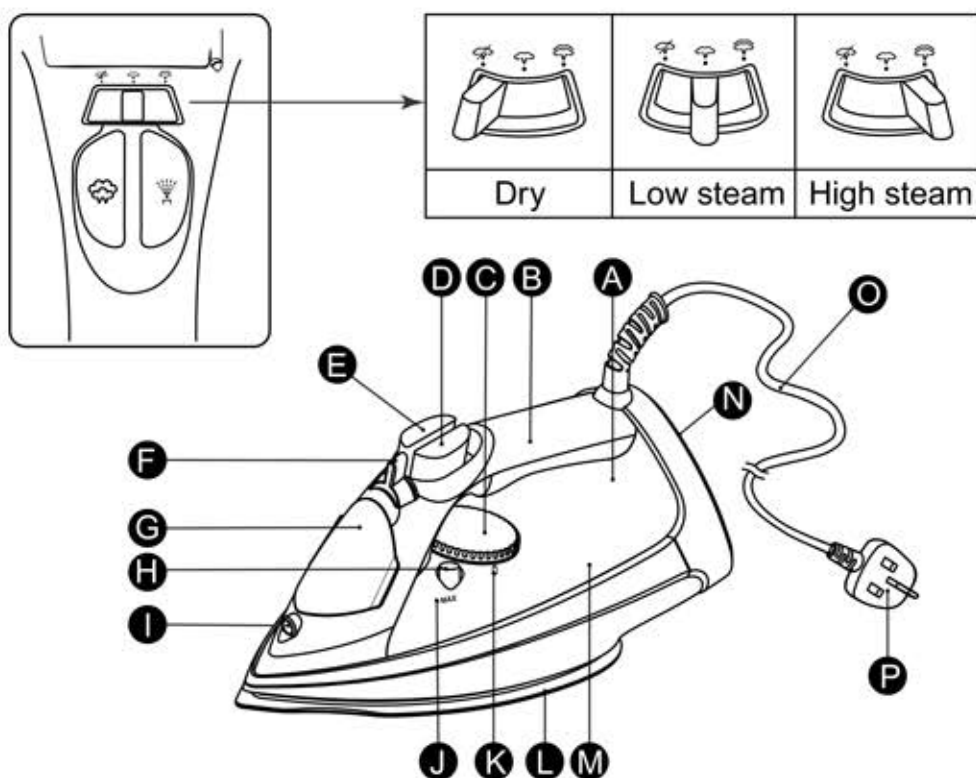
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## COMPONENTS IDENTIFICATION



- A** Thermostat operating indicator light
- B** Handle
- C** Temperature selector
- D** Power shot button
- E** Spray mist button
- F** Steam/Dry selector
- G** Water fill cover
- H** Self-cleaning button
- I** Spray nozzle

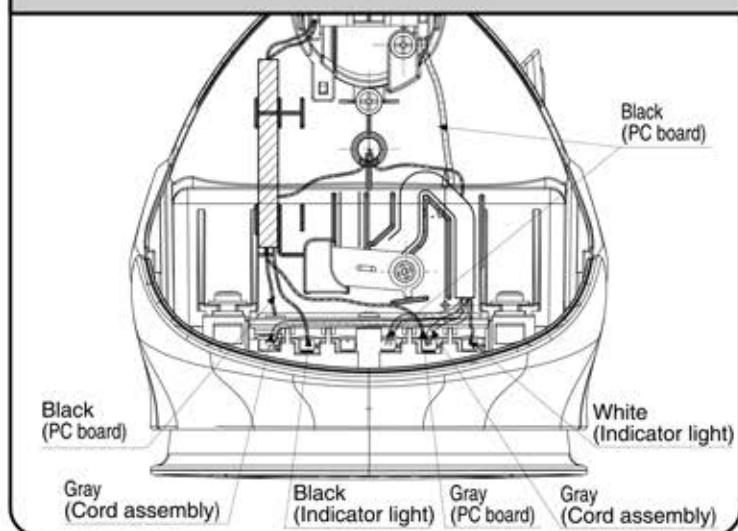
- J** Maximum water level indicator
- K** Temperature select scale position
- L** Soleplate
- M** Water tank
- N** Heel rest
- O** Power cord
- P** Power plug \*

\* Plug type may vary comply with respective country or region requirement.

# PICTORIAL WIRING DIAGRAM

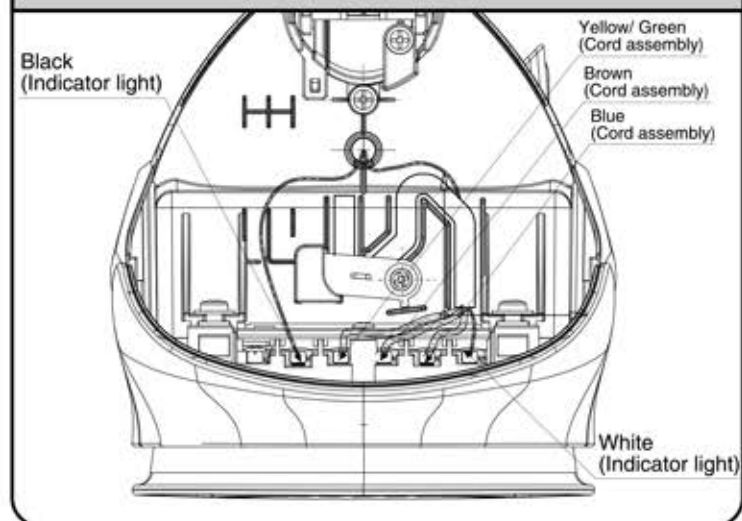
## NI-U600C

Malaysia/ Singapore/ Thailand/ Vietnam/ Russia

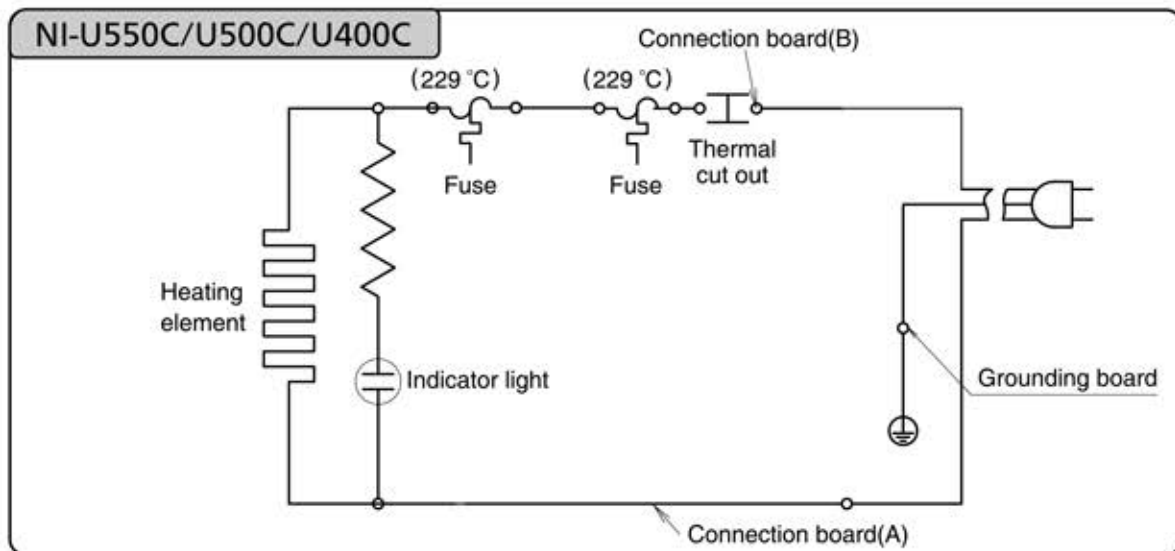
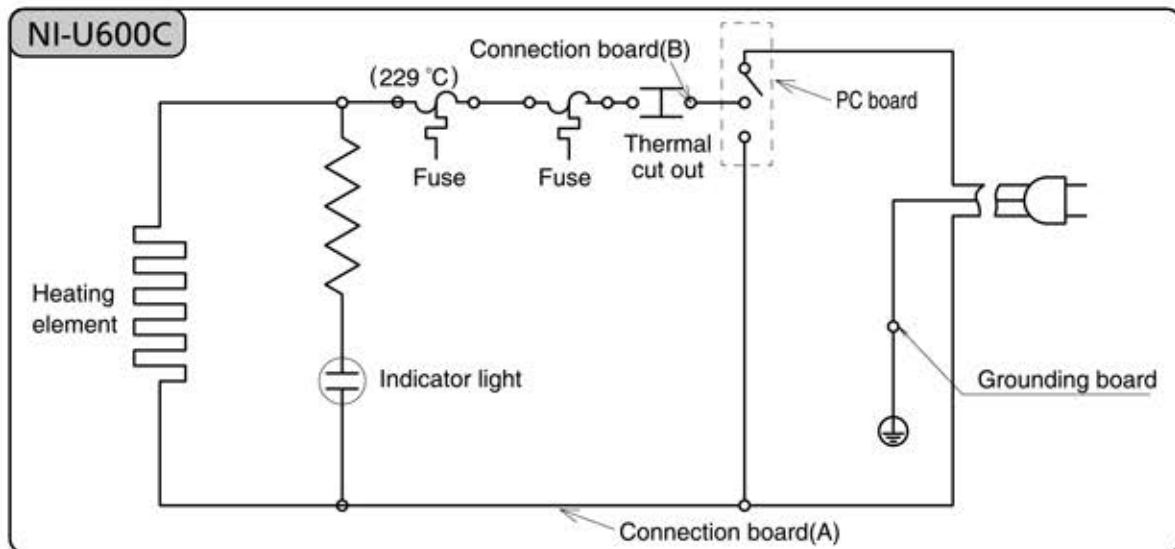


## NI-U550C/U500C/U400C

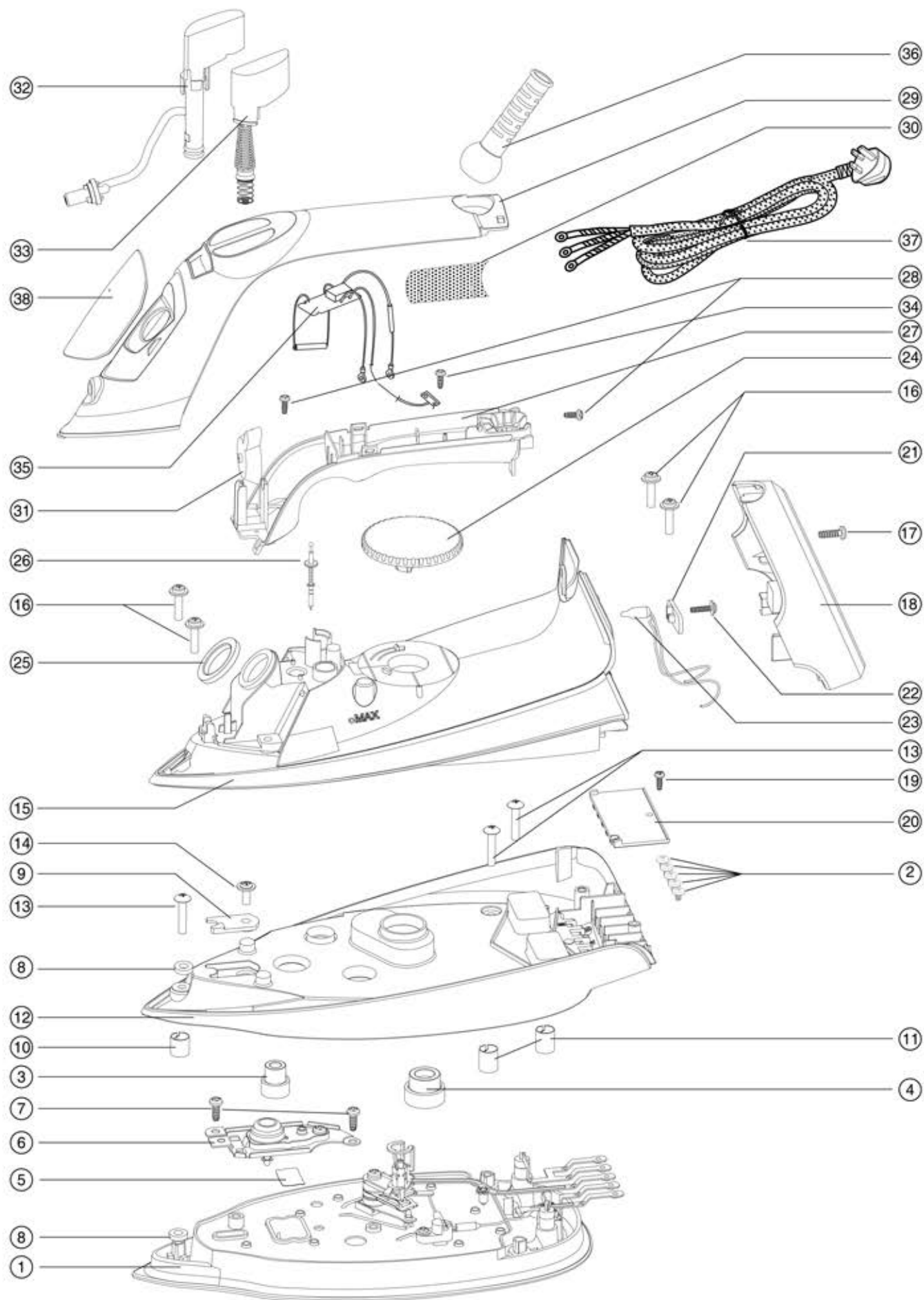
Hongkong/ Malaysia/ Taiwan/ Singapore/ Vietnam/ Thailand/ Russia/ Saudi Arabia/ UAE/ Kuwait/ Iran/ UAE(re-export)/ Qatar/ Bahrain/ Oman/ Yemen/ PGF



# SCHEMATIC DIAGRAM



# EXPLODED VIEW



## IMPORTANT SAFETY NOTICE

# REPLACEMENT PARTS LIST

Components identified by "Ⓢ" mark have special characteristics important for safety. When replacing any of these components, use only manufacture's specified parts. If something abnormal discovered before using, please be quick to contact service agent.

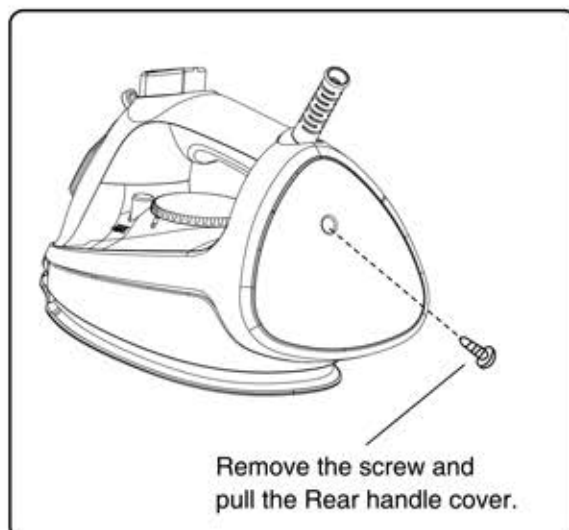
REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
Ⓢ 1	Soleplate assembly	ANI1092P70ZA	1	NI-U600C/U500C/U400C
		ANI1096P77ZA	1	NI-U550C
2	Terminal screw	ANI9009-665	6	Common
3	Packing (C)	ANI1472K86ZW	1	Common
4	Packing (D)	ANI1473P26ZW	1	Common
5	Dish bimetal	ANI1820-P70	1	Common
6	Auto-valve assembly	ANI1822-P70	1	Common
7	Auto-valve assembly screw	ANI9020-022	2	Common
8	Adiabatic gasket(A)	ANI2346-K09	2	Common
9	Adiabatic gasket(B)	ANI2346-P59	1	Common
10	Spacer(A)	ANI2350-449	1	Common
11	Spacer(B)	ANI2350-194	2	Common
12	Heat-insulated plate	ANI2340P707T	1	Common
13	Heat-insulated plate screw	ANIXTT4+20JFN	3	Common
14	Adiabatic gasket(B) screw	ANI9029-004	1	Common
15	Water tank	ANI1510KP70C	1	NI-U600C
		ANI1510KP77C	1	NI-U550C
		ANI1510KP71C	1	NI-U500C
		ANI1510KP72S	1	NI-U400C
16	Water tank screw	XTW4+16EFN	4	Common
17	Rear handle cover screw	ANI9021-N95	1	Common
18	Rear handle cover	ANI2039AP70T	1	NI-U600C:Singapore/Vietnam
		ANI2039FP70T	1	NI-U600C:Malaysia
		ANI2039XP70T	1	NI-U600C:Thailand
		ANI2039RP70T	1	NI-U600C:Russia
		ANI2039AP77T	1	NI-U550C:
		ANI2039RP72T	1	NI-U400C:Russia
		ANI2039AP72T	1	NI-U400C:Singapore/Vietnam/Iran /UAE output
		ANI2039FP72T	1	NI-U400C:Malaysia
		ANI2039QP72T	1	NI-U400C:UAE/Kuwait/Qatar/Oman/Bahrain/Saudi Arabia
19	Bear burning fiber screw	XTN3+10BFN	1	Common
Ⓢ 20	Bear burning fiber	ANI2351-P70	1	Common
21	Fixed board of the cord	ANI4663-P70	1	Common
22	Fixed board of the cord screw	XTW3+8BFN	1	Common
23	Indicator light assembly	ANI5600-P70	1	Common
24	Dial thermo	ANI2160KP70T	1	Common
25	Valve steam assembly	ANI5600-P70	1	Common
26	Water inlet rubber	ANI1633-P09	1	Common
27	Handle	ANI2060P70BD	1	NI-U600C
		ANI2060P71BD	1	NI-U550C/U500C
		ANI2060P71ST	1	NI-U400C
28	Handle screw	XTN4+12BFN	2	Common
29	Handle cover assembly	ANI2060P707T	1	Common
30	Incombustible stickers B	ANI8869-P70	1	NI-U600C only

REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
31	Steam/Dry selector	ANI2110P23BD	1	Common
32	Spray button assembly	ANI2140P70BD	1	NI-U600C/U550C/U500C
		ANI2140P72ST	1	NI-U400C
33	Jet of steam button assembly	ANI1705P70BD	1	NI-U600C/U550C/U500C
		ANI1705P70ST	1	NI-U400C
34	Terminal plate screw	ANI9022-003	1	NI-U600C only
35	P.C. board assembly	ANI5541KP70	1	NI-U600C only
36	Cord bushing	ANI4646P027T	1	Common
37	Cord assembly	ANI4440P70KA	1	NI-U600C:Singapore/Malaysia
		ANI4510-P59	1	NI-U600C:Thailand
		ANI4511P70KA	1	NI-U600C:Vietnam/Russia
		ANI4560P77KA	1	NI-U550C:UAE/Kuwait/Qata /Oman/Bahrain/Yemen
		ANI4560P71KA	1	NI-U550C:Saudi Arabia
		ANI4440P70KA	1	NI-U500C:Hong Kong
		ANI4511P70KA	1	NI-U500C:Iran/UAE output
		ANI4440P70KA	1	NI-U400C:Singapore/Malaysia/UAE/Kuwait/Qatar/Oman/Bahrain
		ANI4511P70KA	1	NI-U400C:Russia / UAE re-export / Vietnam / Iran
		ANI4510P70KA	1	NI-U400C:Thailand
		ANI4560P71KA	1	NI-U400C:Saudi Arabia
38	Water fill cover assembly	ANI1647P70BC	1	NI-U600C/U550C/U500C
		ANI1647P70SP	1	NI-U400C

# DISASSEMBLY INSTRUCTIONS

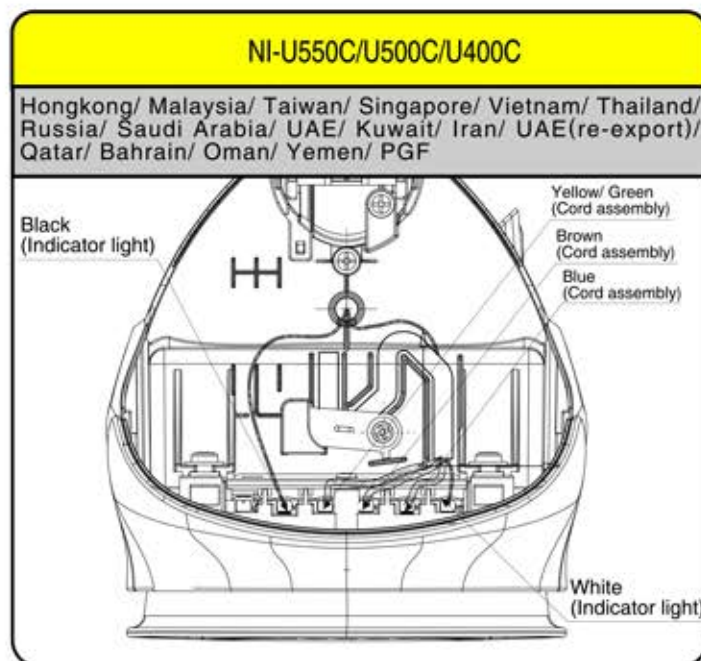
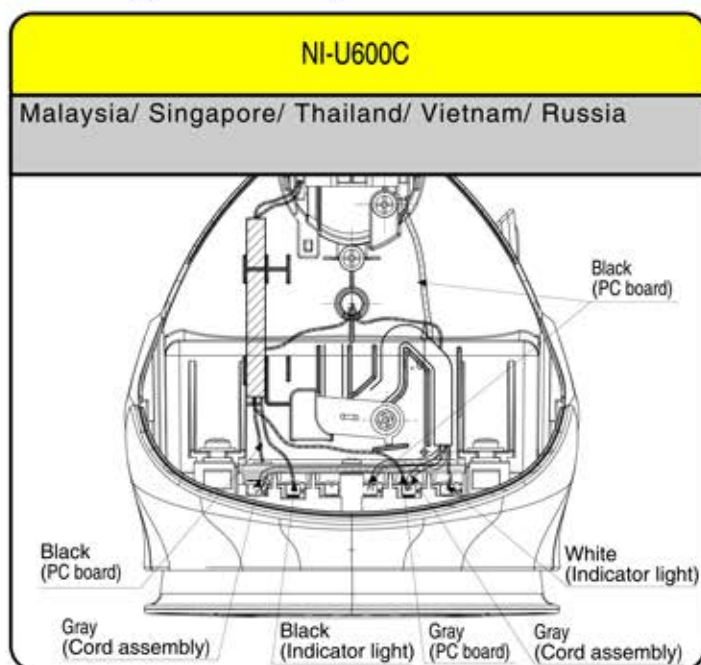
## 1. REMOVAL OF REAR HANDLE COVER

Remove the screws indicated by arrows 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 ("Linen"), and then lift it by a small screwdriver.

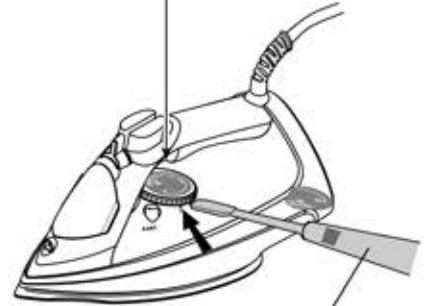
NI-U600C/U550C/U500C/U400C



Temperature selector dial



Turn the Temperature selector dial to maximum temperature position ("Linen")



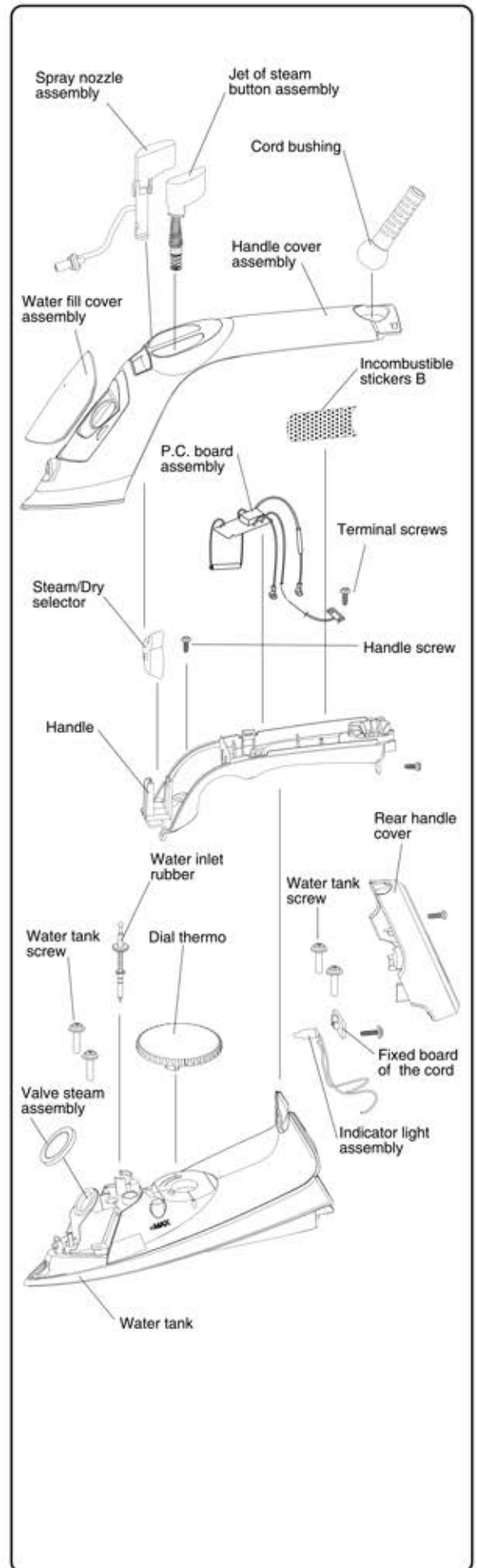
Small screwdriver

#### 4. REMOVAL OF HANDLE COVER ASSEMBLY

- Remove the Handle cover assembly screws and move Handle cover assembly.
- Lift the Steam/Dry selector, Jet of steam button assembly, Valve steam assembly, Spray nozzle assembly from Handle assembly.

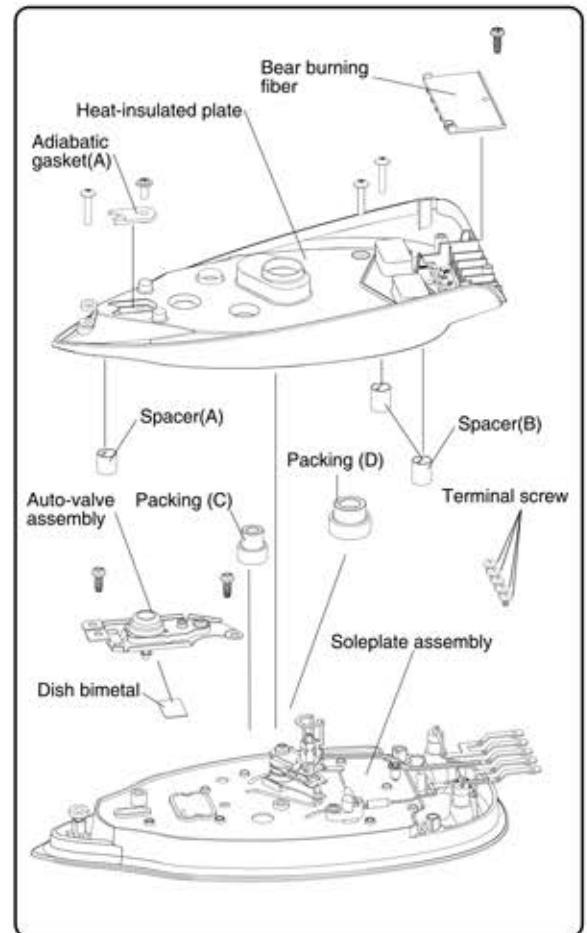
#### 5. REMOVAL THE P.C. BOARD ASS'Y

Remove the Terminal screws(NI-U600C) and then remove the P.C. board assembly. ( NI-U600C only )



## 7. REMOVAL OF THE VARIOUS PARTS.

As shown on the right, Remove the various parts one by one



## DIRECTIONS FOR REASSEMBLY

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

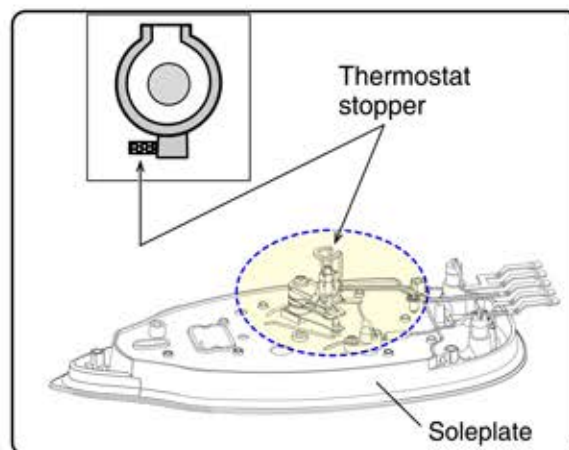
### **WARNING**

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.



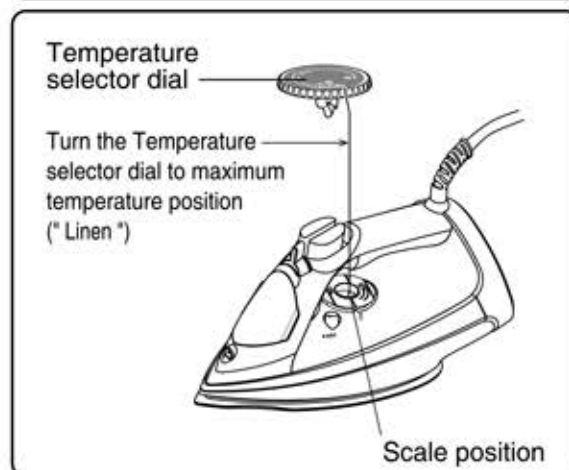
## 1. INSTALLATION OF HEAT INSULATING PLATE

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



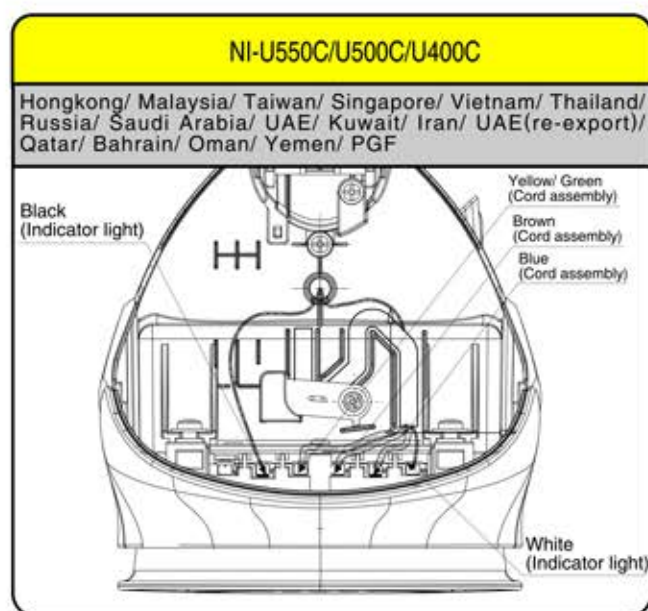
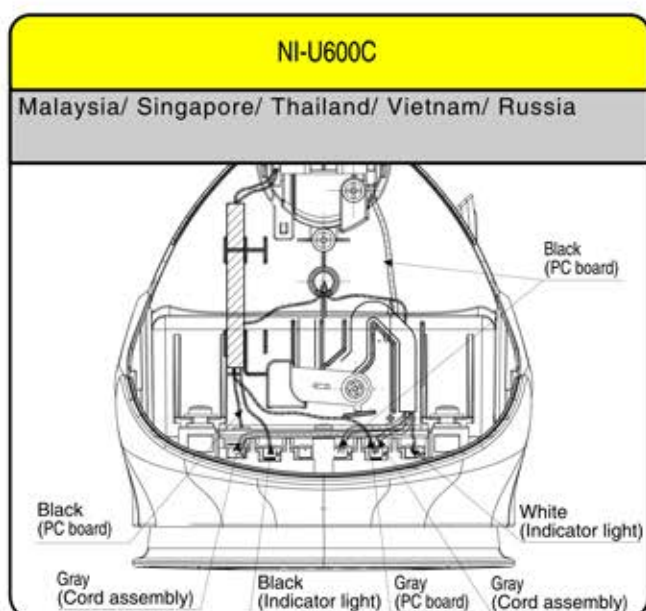
## 2. INSTALLATION OF TEMPERATURE SELECTOR DIAL

Before installing the Temperature selector dial, ought to turn the Temperature selector dial to maximum temperature position ("Linen"), then install it into Handle assembly.


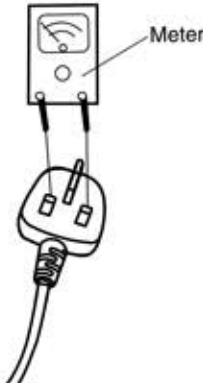
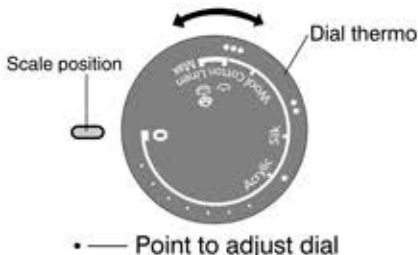
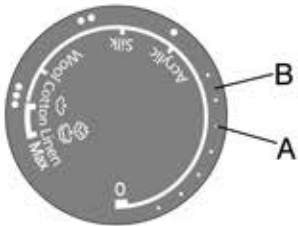
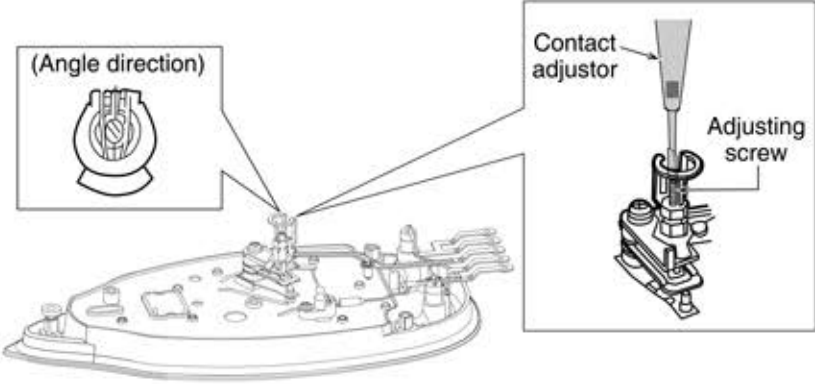


## 3. CONNECTION OF THE CORD

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



## TEMPERATURE TEST METHOD (CONFIRM WITH AN OHMMETER)

Step 1.	Step 2.	Step 3.
<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 " or " Off " position.</li> <li>Meter should indicate open condition.</li> </ul> <p style="text-align: center;"><u>Temperature selector</u></p> 
Step 4.	Step 5.	
<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 Step 3.</li> </ul>  <p style="text-align: center;">NOTE: While adjusting for the proper setting it may be necessary to repeat Step 4 several times.</p>	

## STEAM TEST

- Fill the iron as described in " **HOW TO FILL WITH WATER** " in the Operation Instructions.
- 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.
- Set the Temperature Selector Dial to the " ☁ " indication (red area).
- Preheat the iron until the Indicator light goes out, usually in about 1 minute.
- Hold the iron horizontally and move the Steam/Dry Selector into the steam position. Now steam ironing can begin.
- Anytime the iron is set vertically the steaming action will stop.

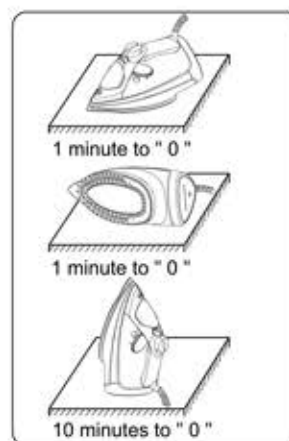


## AUTO-SHUT-OFF TEST ( NI-U600C only )

1. When the iron is not moved with its soleplate facing down or on its side for approx.1 minute, the iron will automatically shut off the power to the heater by itself.
2. When the iron is not moved with its Heel Rest for approx.10 minutes, the iron will automatically shut off the power to the heater by itself.
3. To resume ironing and turn the iron back on, simply move the iron in any way.  
If the iron has been left in the auto shut off mode for 10 minutes or more, allow the iron to reheat until the Indicator light goes out.

**NOTE: 1. The Auto-shut-off system works regardless of Dial thermo, even at " 0 " or " Off " position.**

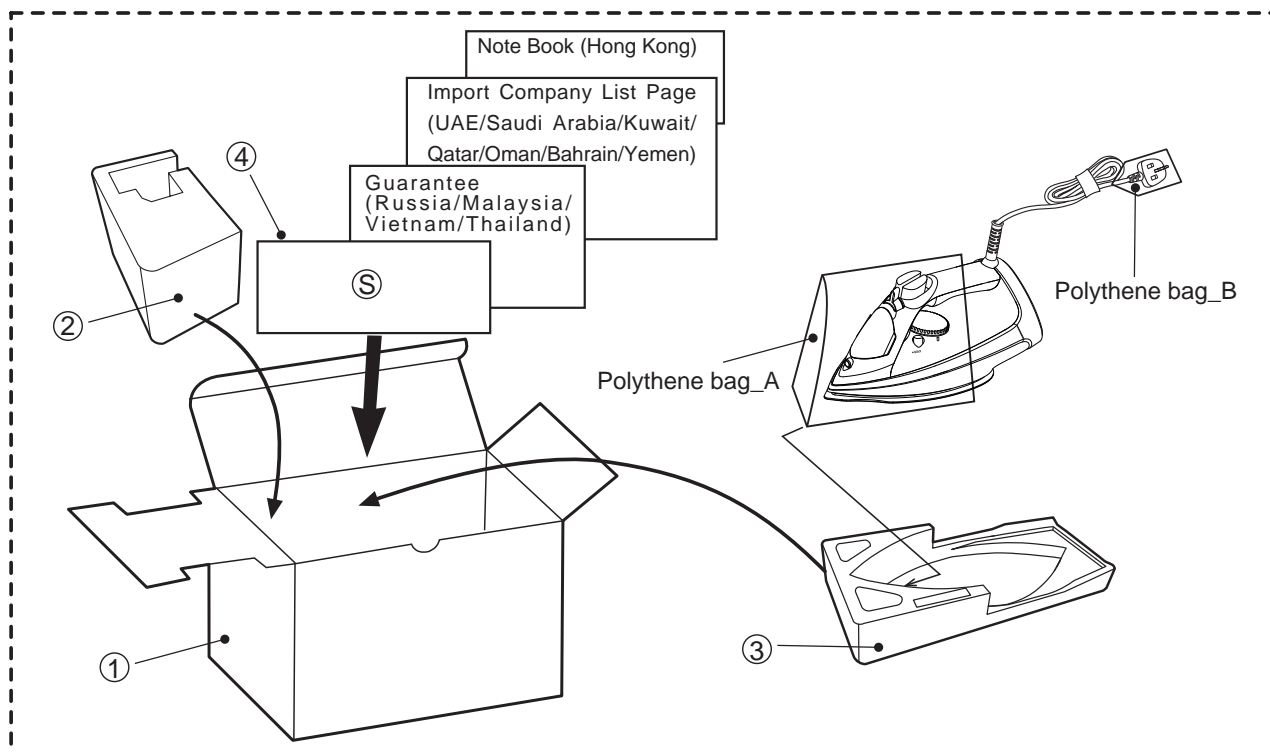
**2. When you finish ironing, always unplug the iron.**



## TROUBLE SHOOTING GUIDE

Problem	Causes, Solution
No heating	<ul style="list-style-type: none"> <li>▶ Make sure the power plug is plugged into a household outlet.</li> </ul>
No steam	<ul style="list-style-type: none"> <li>▶ Fill the water tank with tap water up to " <b>MAX</b> " dot.</li> <li>▶ If there is no steam, set the steam/dry selector to the steam position, or set the temperature selector to " <b>MAX</b> ".</li> </ul>
Poor steaming power	<ul style="list-style-type: none"> <li>▶ For poor steam, move the steam/dry selector several times, then reset to the steam position.</li> <li>▶ Press the power shot button several times when the " power shot " appears insufficient.</li> <li>▶ Wait until the thermostat operating indicator light goes off before using the iron.</li> <li>▶ Set the temperature selector to " <b>MAX</b> ".</li> </ul>
No spray	<ul style="list-style-type: none"> <li>▶ Push the spray mist trigger several times.</li> <li>▶ Fill the water tank with tap water up to " <b>MAX</b> " dot.</li> </ul>
Water leaks from steam vents	<ul style="list-style-type: none"> <li>▶ Press the power shot button in intervals of at least 2 seconds when using the " power shot ".</li> <li>▶ Wait until the thermostat operating indicator light goes off before using the iron.</li> </ul>
Clothes are marked	<ul style="list-style-type: none"> <li>▶ Empty the water tank and fill it with clean water. There may be contaminants in the iron/cup.</li> </ul>

# PACKING INSTRUCTIONS



## PACKING PARTS LIST

REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
1	Box	ANI8100ZP70D	1	NI-U600C:Singapore
		ANI8100FP70D	1	NI-U600C:Malaysia
		ANI8100XP70D	1	NI-U600C:Thailand
		ANI8100OP70D	1	NI-U600C:Vietnam
		ANI8100RP70D	1	NI-U600C:Russia
		ANI8100LP77D	1	NI-U550C:UAE/Kuwait/Qatar/Oman/Bahrain/Yemen
		ANI8100DP71D	1	NI-U550C:UAE output
		ANI8100EP71D	1	NI-U500C:Iran
		ANI8100SP71D	1	NI-U500C:UAE output
		ANI8100AP71D	1	NI-U500C:Hong Kong
		ANI8100EP72S	1	NI-U400C:Iran
		ANI8100SP72S	1	NI-U400C:UAE output
		ANI8100DP72S	1	NI-U400C:Saudi Arabia
		ANI8100LP72S	1	NI-U400C:UAE/Kuwait/Qatar/Oman/Bahrain
		ANI8100OP72S	1	NI-U400C:Vietnam
		ANI8100XP72S	1	NI-U400C:Thailand
		ANI8100FP72S	1	NI-U400C:Malaysia
		ANI8100ZP72S	1	NI-U400C:Singapore
		ANI8100RP72S	1	NI-U400C:Russia
2	Packing filler A	ANI8401-P70	1	Common
3	Packing filler B	ANI8402-P70	1	Common
4	Operating Instructions	ANI8200AP70	1	Singapore/Malaysia/Hong Kong
		ANI8200YP70	1	Thailand/Vietnam
		ANI8200RP70	1	Russia
		ANI8200PP70	1	UAE/Kuwait/Qatar/Oman/Bahrain/Yemen
		ANI8200QP70	1	UAE output/Iran

## FEATURE TABLE

Model No. Features	NI-U600C	NI-U550C	NI-U500C	NI-U400C
Adjustable Steam	Yes	Yes	Yes	Yes
Curved Soleplate	Yes	Yes	Yes	Yes
Spray	Yes	Yes	Yes	Yes
Jet of Steam	Yes	Yes	Yes	Yes
Vertical Steam	Yes	Yes	Yes	Yes
Auto Shut-Off	-	-	-	-