

# Service Manual

Steam Iron

NI-E660SR/E610T/E510T/E410T



NI-E660SR

NI-E610T/NI-E510T  
NI-E410T

## 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.

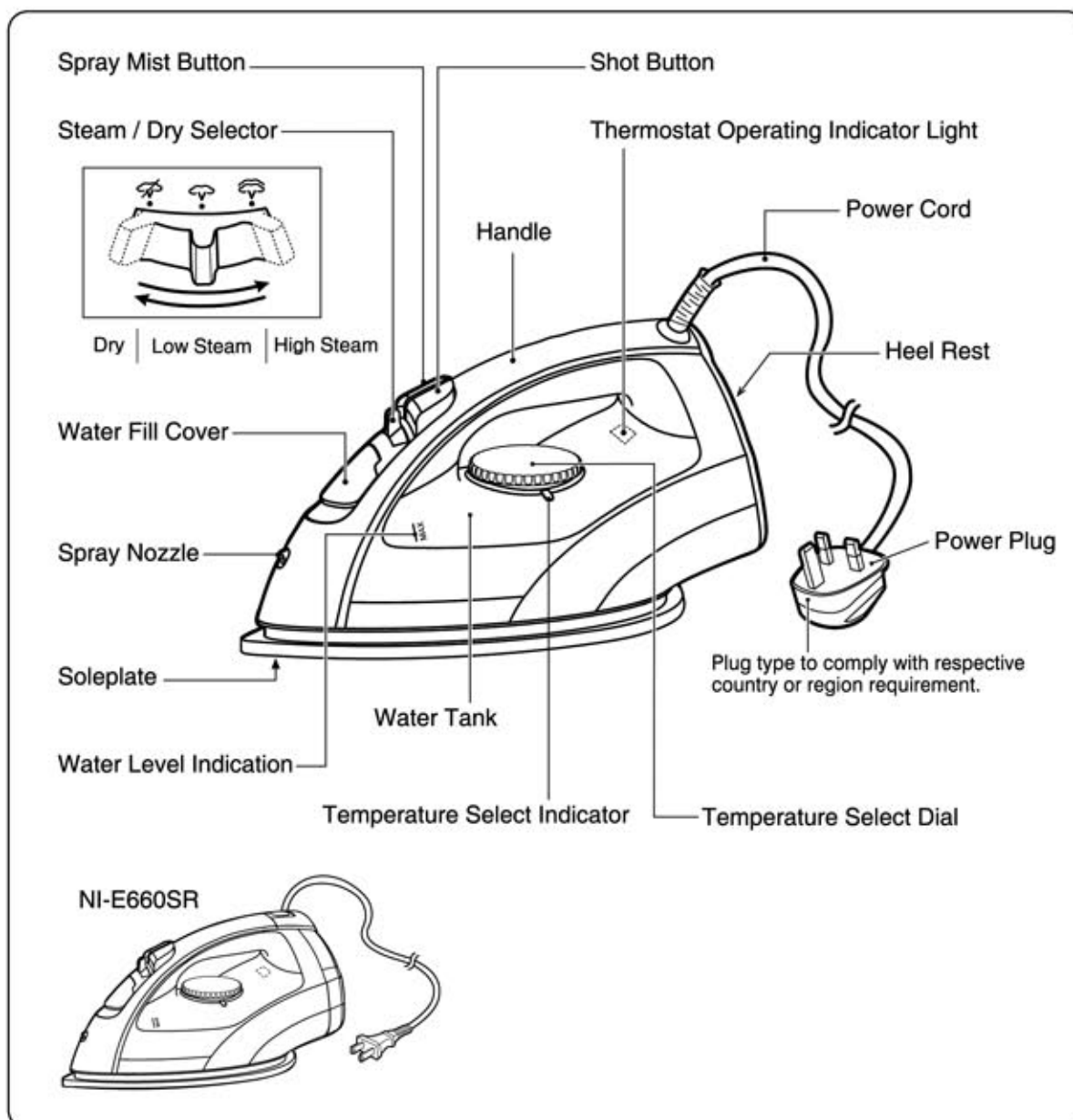
## SPECIFICATIONS

Item \ Model No.	NI-E660SR	NI-E610T-V	NI-E510T-D	NI-E410T-M NI-E410T-R
Product color	V(Violet)	V(Violet)	D(Deep-Blue)	M(Aquamarine) R(Red)
Rating	120 V ~ 60 Hz 1200 W 10 A	220-240 V ~ 50-60 Hz 1950-2320 W 8.9-9.7A 240 V ~ 50 Hz 2320 W 9.7A 110 V ~ 60 Hz 1100 W 10 A		220-240 V ~ 50-60 Hz 1800-2150 W 8.2-9.0 A 220 V ~ 60 Hz 1800 W 8.2 A 240 V ~ 50 Hz 2150 W 9.0 A
Weight	1.1 kg			
Dimensions (D×W×H)	124 mm×301 mm×158 mm			
Tank capacity	200 cc (7.0 zs)			
Temperature control range	80℃ ~ 200℃			

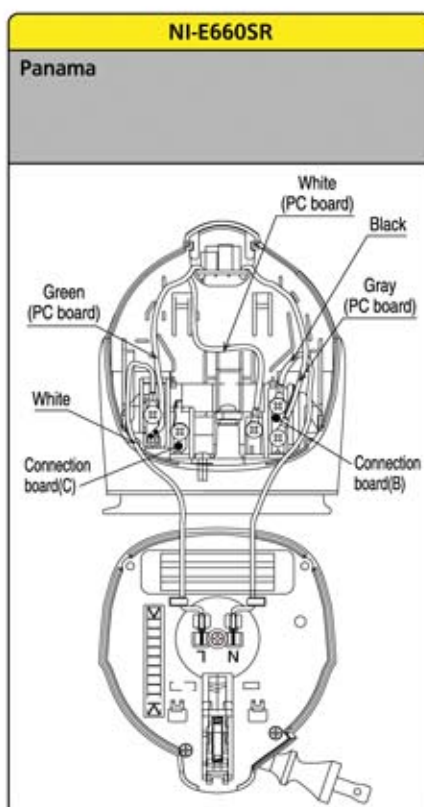
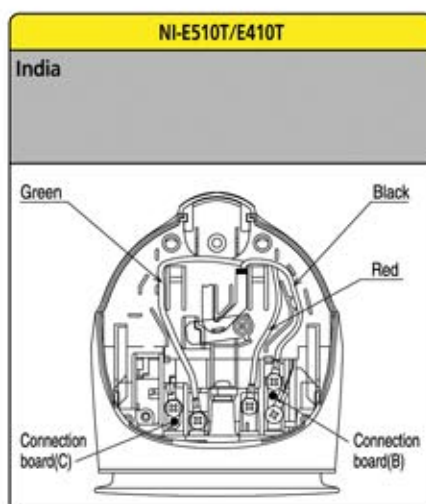
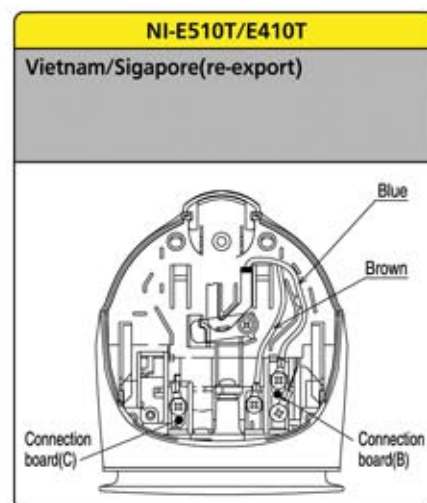
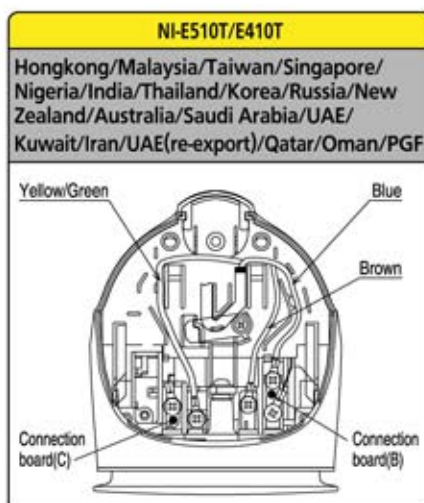
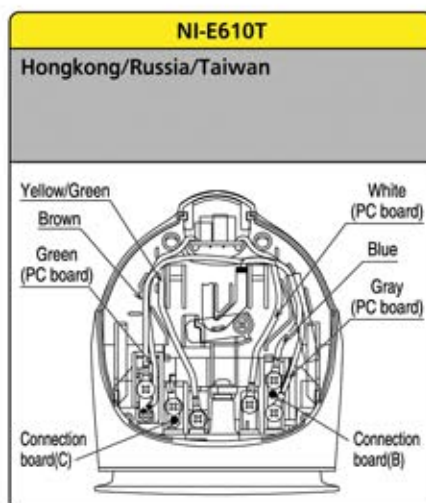
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## COMPONENTS IDENTIFICATION

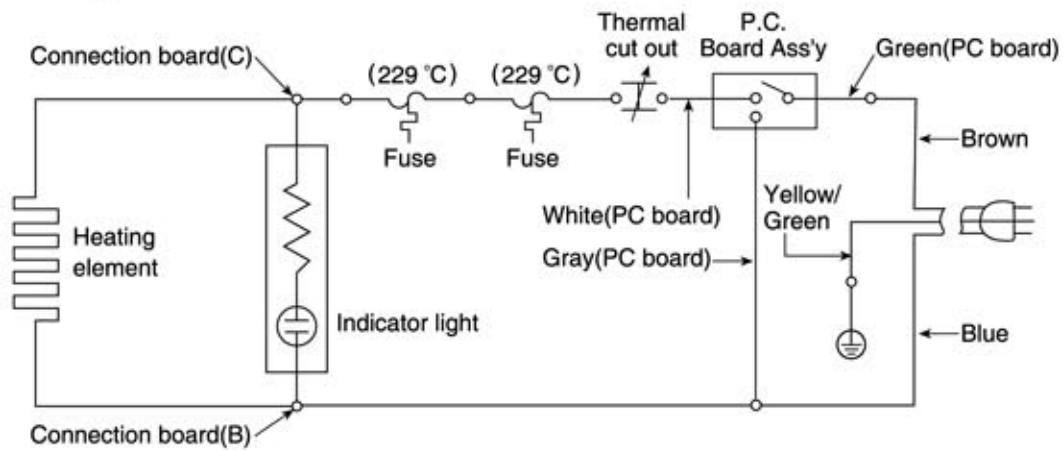


# PICTORIAL WIRING DIAGRAM

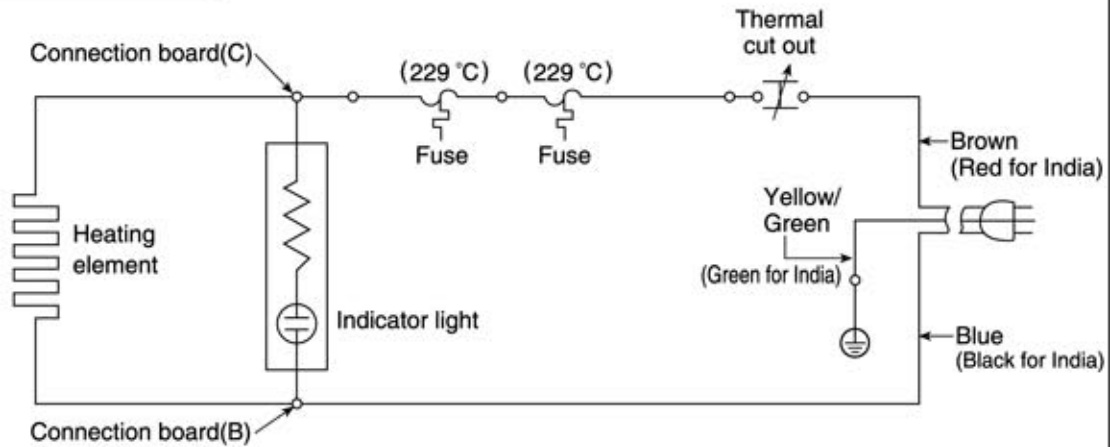


# SCHEMATIC DIAGRAM

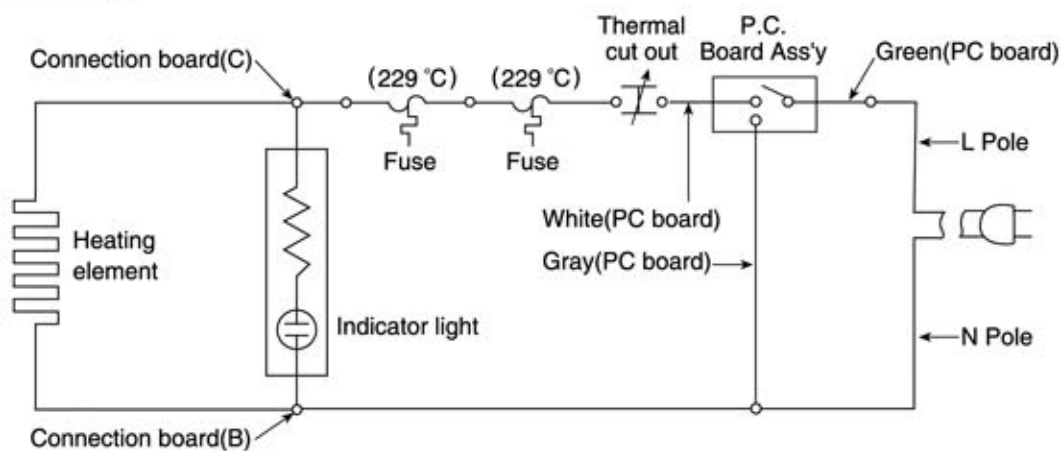
## NI-E610T



## NI-E510T/E410T

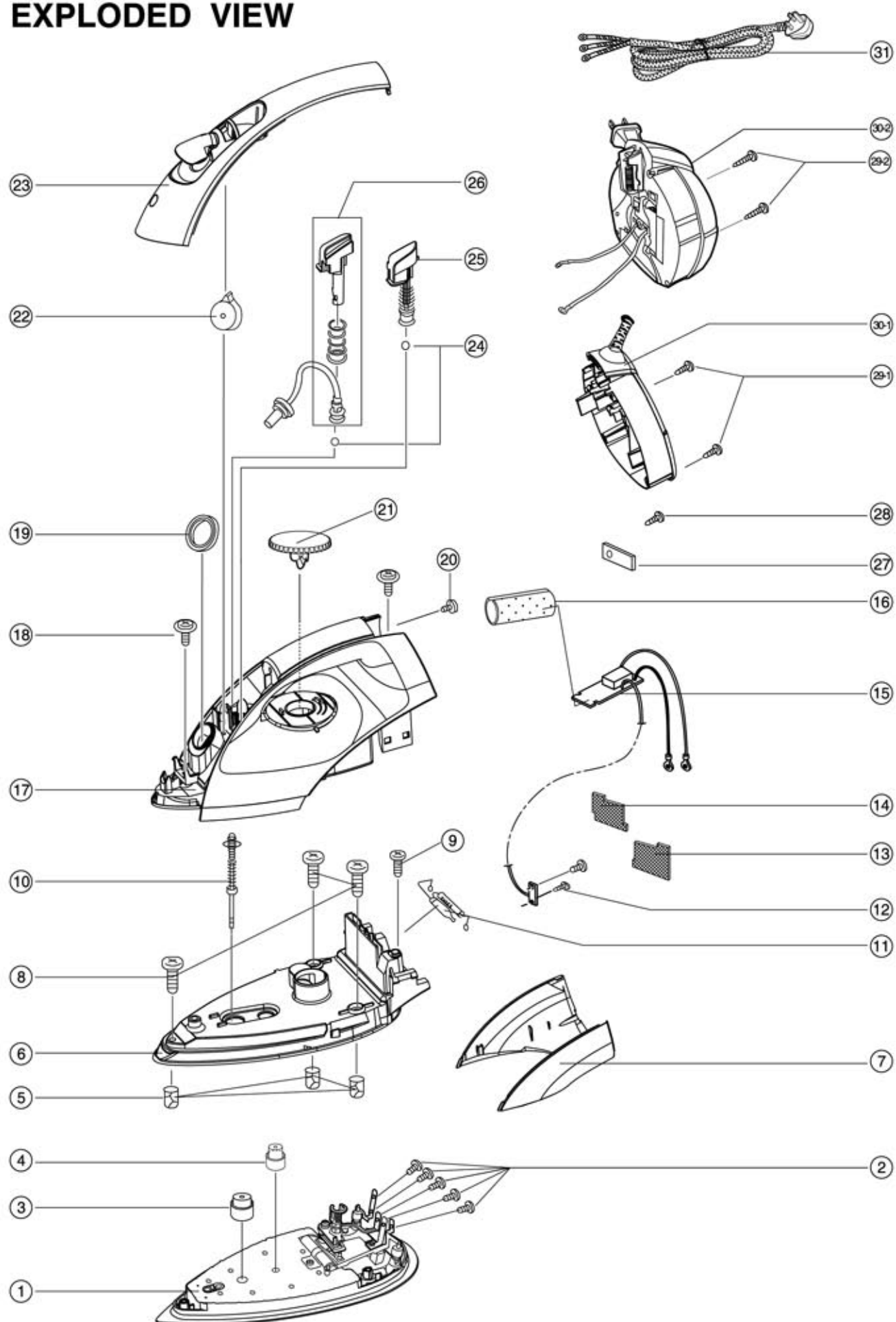


## NI-E660SR





# 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	ANI1069PP43M	1	NI-E610T/E510T: Hong Kong / Malaysia / Singapore / Nigeria /India / New Zealand / Australia / Thailand /Korea / Russia / Kuwait / Oman /United Arab Unitary / Iran / Qatar/Mongolia /Saudi Arabia
		ANI1070PP43M	1	NI-E510T: Vietnam /Singapore Output
		ANI1046UP40M	1	NI-E660SR:Panama
		ANI1027PP08M	1	NI-E610T/E510T: Taiwan
		ANI1069PP45M	1	NI-E410T: Hong Kong / Malaysia / Singapore / Nigeria /India / New Zealand / Australia / Thailand /Korea / Russia /Vietnam /Singapore Output / Kuwait / Oman /United Arab Unitary / Iran / Qatar/Mongolia/Saudi Arabia
		ANI1070PP45M	1	NI-E410T: Vietnam /Singapore Output
2	Terminal screw	ANI9009-665	5,4	Common
3	Packing (B) assembly	ANI1471-N53K	1	Taiwan
		ANI1471-P43K	1	Common(Except Taiwan)
4	Packing (C)	ANI1472-N66K	1	Common
5	Spacer	ANI2350-449	1	Common
6	Heat-insulated plate	ANI2340-P03K	1	Common
7	Heat-insulated plate(B)	ANI2356AP45X	1	NI-E410T: Common(Except Qatar/Korea)
		ANI2356KP45X	1	NI-E410T: Korea
		ANI2356TP45X	1	NI-E410T: Qatar
		ANI2356AP43X	1	NI-E510T: Common(Except Qatar/Taiwan)
		ANI2356WP43X	1	NI-E510T: Taiwan
		ANI2356TP43X	1	NI-E510T: Qatar
		ANI2356P42XS	1	NI-E610T: Russia/Hongkong
		ANI2356P40XS	1	NI-E660SR:Panama / NI-E610T: Taiwan
8	Heat-insulated plate screw	XTV4+20JFN	1	Common
9	Heat-insulated plate(B) screw	XTN4+10BFN	1	Common
10	Valve steam assembly	ANI1850-P02	1	Common(Except Taiwan)
		ANI1850-N98	1	Taiwan
Ⓢ 11	Indicator light assembly	ANI5600-P02	1	Common
12	Terminal plate screw	ANI9022-003	1	NI-E660SR/E610T
13	Bear burning fiber(A)	ANI2351P43K	1	Common
14	Bear burning fiber(B)	ANI2352P43K	1	Common
15	P.C. board assembly	ANI5541-P02	1	NI-E610T: HongKong/Russia
		ANI5541-P08	1	NI-E610T: Taiwan
			1	NI-E660SR:Panama
			1	NI-E660SR/E610T
16	Insulated fiber	ANI5327-P02	1	NI-E660SR/E610T
17	Handle assembly	ANI2000-P40M	1	NI-E660SR:Panama
		ANI2000-P42M	1	NI-E610T
		ANI2000-P43D	1	NI-E510T
		ANI2000-P45R	1	NI-E410T-R
		ANI2000-P45M	1	NI-E410T-M

REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
18	Handle fixing screw	XTW4+16EFN	2	Common
19	Water inlet rubber	ANI1633-A09	1	Common
20	Handle cover screw	XTN4+12BFN	1	Common
21	Dial thermo	ANI2160-P03X	1	NI-E660SR:Panama
		ANI2160-P43X	1	NI-E610T : Russia/Hongkong
		ANI2160WP43X	1	NI-E610T : Taiwan
		ANI2160-P43D	1	NI-E510T : Common(Except Taiwan)
		ANI2160WP43D	1	NI-E510T : Taiwan
		ANI2160-P43R	1	NI-E410T-R: Common
		ANI2160-P43M	1	NI-E410T-M: Common
22	Steam/Dry selector	ANI2110M124M	1	NI-E660SR/E610T: Common
		ANI2110M126M	1	NI-E510T: Common
		ANI2110M122W	1	NI-E410T-R: Common
		ANI2110M124K	1	NI-E410T-M: Common
23	Handle cover assembly	ANI2060P084M	1	NI-E660SR/E610T: Common
		ANI2060P086M	1	NI-E510T: Common
		ANI2060P084W	1	NI-E410T-R: Common
		ANI2060P086K	1	NI-E410T-M: Common
24	Ball	ANI1701-344	2	Common
25	Jet of steam button assembly	ANI1705P024M	1	NI-E660SR/E610T: Common
		ANI1705P026M	1	NI-E510T: Common
		ANI1705P022W	1	NI-E410T-R: Common
		ANI1705P024K	1	NI-E410T-M: Common
26	Spray nozzle assembly	ANI1606P024M	1	NI-E660SR/E610T: Common
		ANI1606P026M	1	NI-E510T: Common
		ANI1606P022W	1	NI-E410T-R: Common
		ANI1606P024K	1	NI-E410T-M: Common
27	Fixed board of the cord	ANI4663-N97	1	Common
28	Fixed board screw B	XTW3+8BFN	1	Common
29-1	Rear handle screw	ANI9021-P02	2	Common
29-2	Winding plate fixing screw	XTN3+25BFN	2	NI-E660SR:Panama
30-1	Rear handle cover	ANI2020AP42X	1	NI-E610T : Hong kong
		ANI2020WP42X	1	NI-E610T : Taiwan
		ANI2020RP42X	1	NI-E610T : Russia
		ANI2020AP43X	1	NI-E510T :Hong Kong / Singapore / Nigeria / Vietnam / Singapore Output /Mongolia
		ANI2020LP43X	1	NI-E510T :Malaysia
		ANI2020MP43X	1	NI-E510T :New Zealand / Australia
		ANI2020WP43X	1	NI-E510T :Taiwan
		ANI2020XP43X	1	NI-E510T :Thailand
		ANI2020RP43X	1	NI-E510T :Russia
		ANI2020IP43X	1	NI-E510T : Kuwait / Oman / United Arab Unitary / Iran /PGF/ Saudi Arabia
		ANI2020GP43X	1	NI-E510T :India
		ANI2020AP45X	1	NI-E410T :Hong Kong / Singapore / Nigeria / Vietnam / Singapore Output /Mongolia
		ANI2020LP45X	1	NI-E410T :Malaysia
		ANI2020MP45X	1	NI-E410T :New Zealand / Australia
		ANI2020TP45X	1	NI-E410T :Qatar
		ANI2020XP45X	1	NI-E410T :Thailand
		ANI2020CP45X	1	NI-E410T :Korea

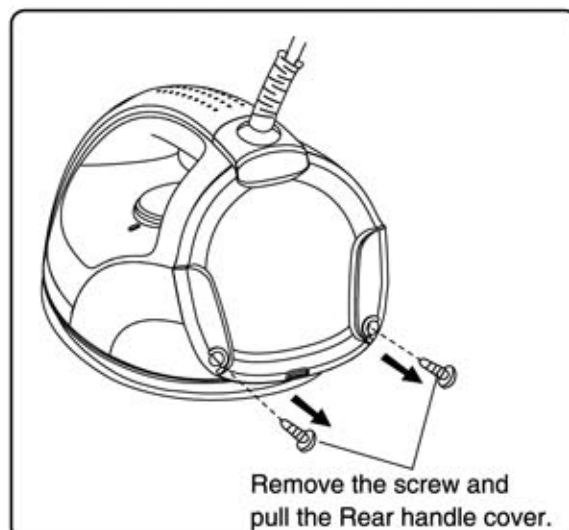
REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
	Rear handle cover	ANI2020RP45X	1	NI-E410T :Russia
		ANI2020IP45X	1	NI-E410T :Kuwait / Oman / United Arab Unitary / Iran /PGF/ Saudi Arabia
30-2	Cord reel assembly	ANI2529JP40X	1	NI-E660SR:Panama
31	Cord assembly	ANI4440-P48	1	All Model: Hongkong/Malaysia/Singapore/Nigeria/Kuwait/ Saudi Arabic/UAE/Qatar/Mongolia
		ANI4562-P08	1	All Model: Taiwan
		ANI4454-P09	1	All Model: India
		ANI4616-P48	1	All Model: Australia
		ANI4510-P09	1	All Model: Thailand
		ANI4571-P09	1	All Model: Korea
		ANI4421-P09	1	All Model: Vietnam/Sigapore(re-export)
		ANI4511-P09	1	All Model: Russia/Iran/UAE(re-export)/Oman



# DISASSEMBLY INSTRUCTIONS

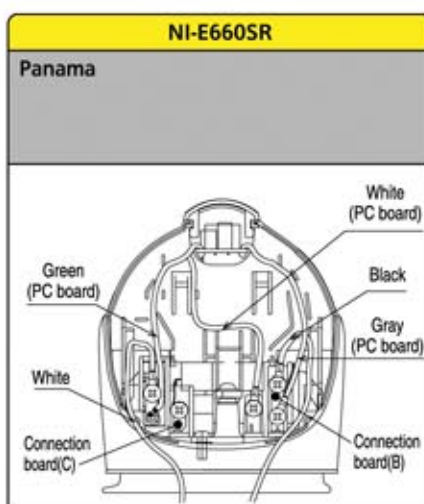
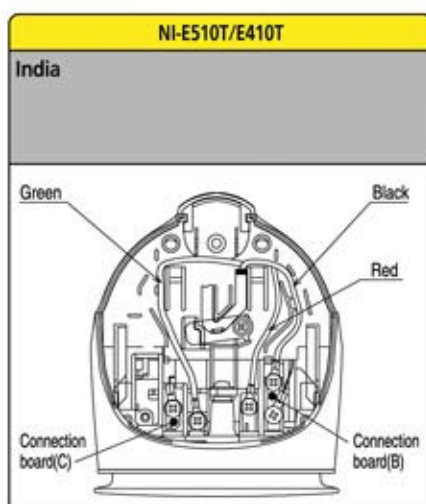
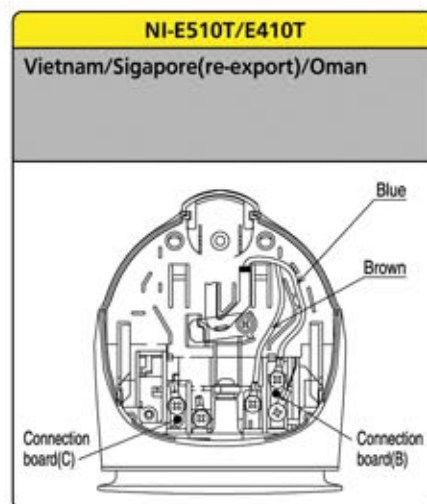
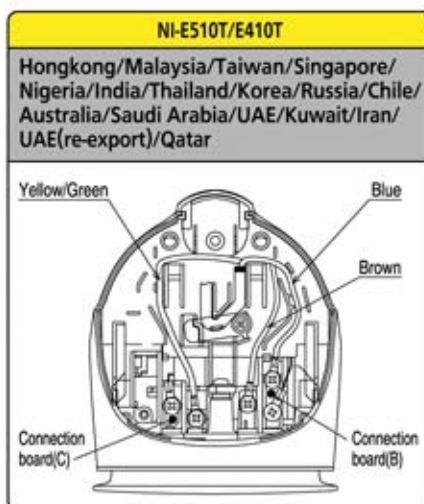
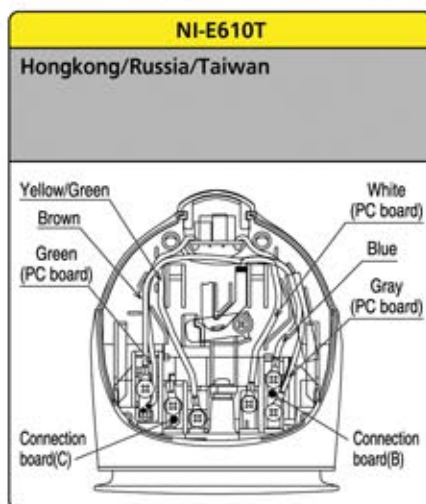
## 1. REMOVAL OF REAR HANDLE COVER

Remove the screws indicated by arrows and pull the Rear handle cover toward you.



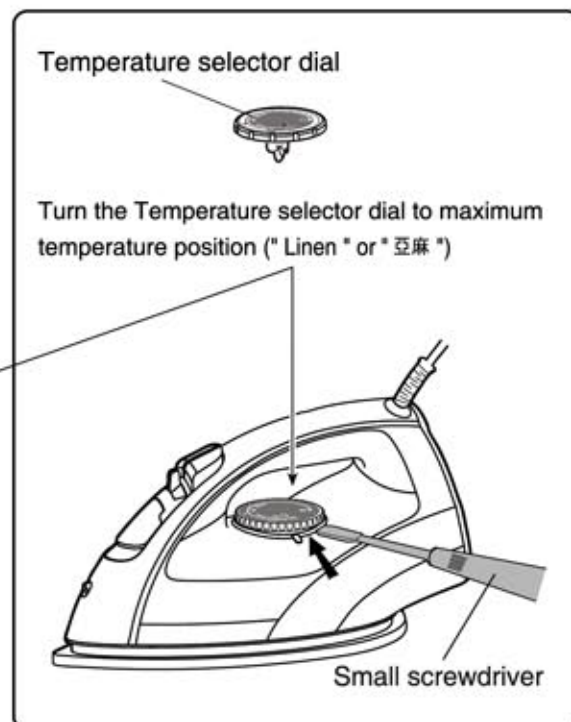
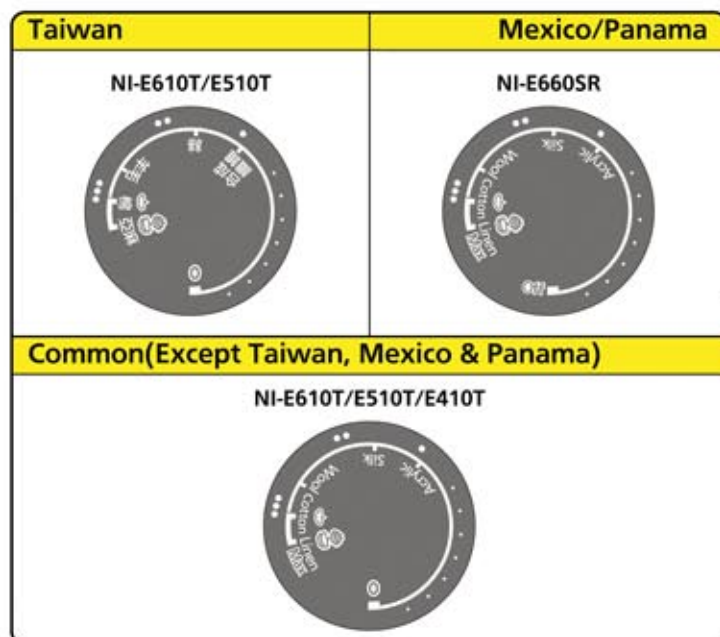
## 2. REMOVAL OF TERMINAL SCREW

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" or "亞麻"), and then lift it by a small screwdriver.



#### 4. REMOVAL OF HANDLE COVER

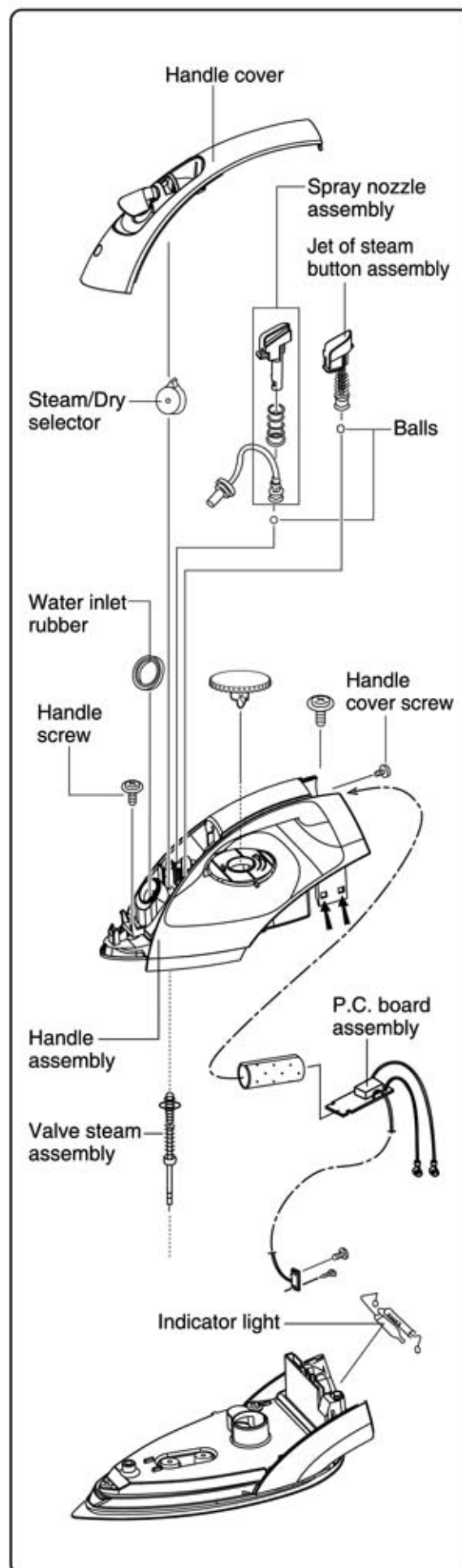
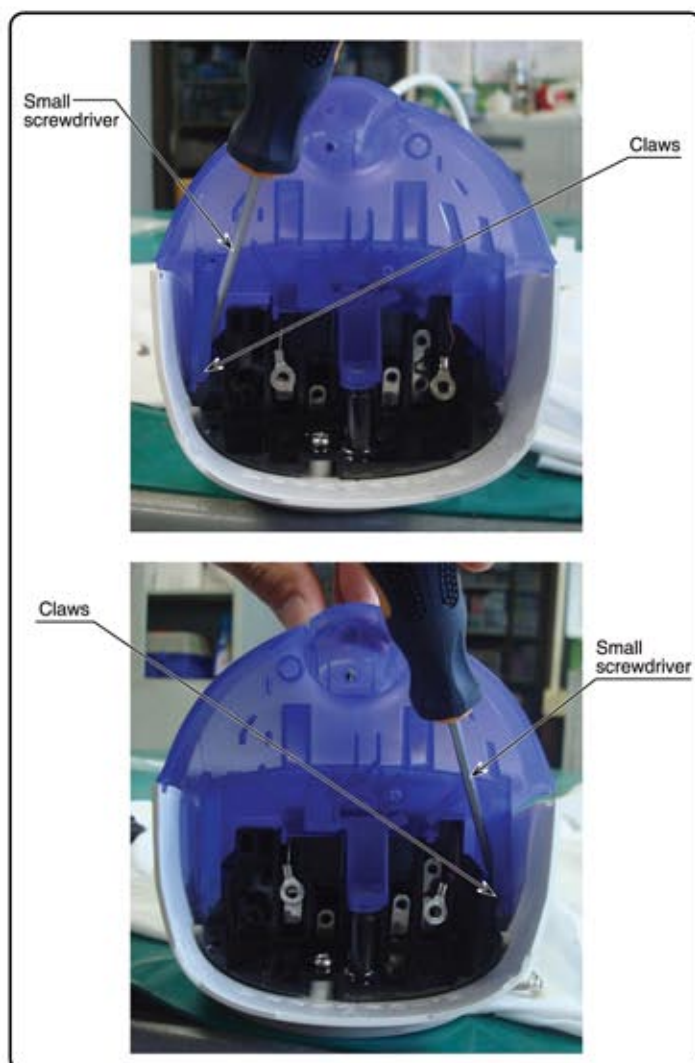
- Remove the Handle cover screw and move gently the Steam/Dry selector toward left down direction with left thumb, in order to loose the Handle cover and lift it.
- Lift the Steam/Dry selector, Jet of steam button assembly, Valve steam assembly, Spray nozzle assembly, Balls and Water inlet rubber from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

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

Remove the Terminal screws(NI-E660SR) and then remove the P.C. board assembly. ( NI-E660SR/E610T Only )

#### 6. REMOVAL OF HANDLE ASS'Y

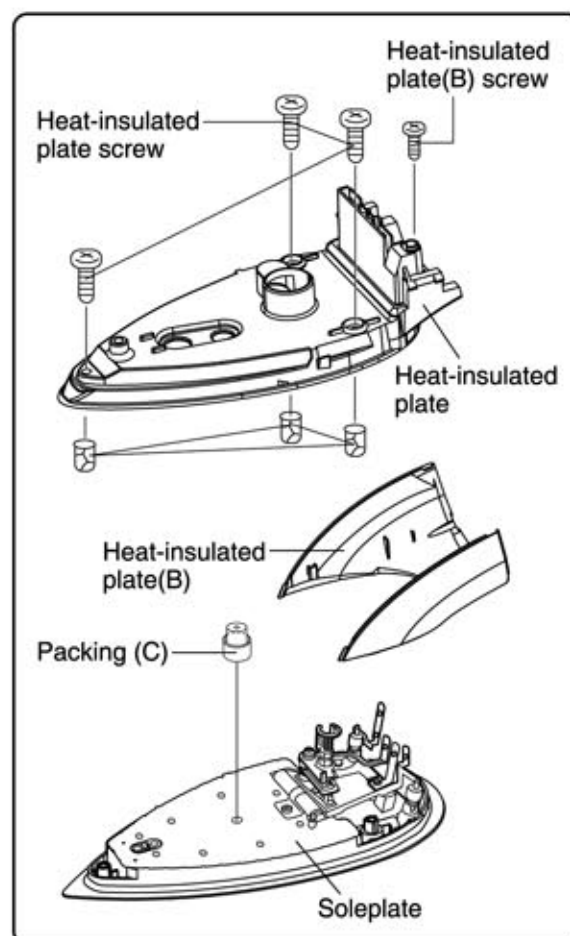
- Firstly, remove the three Handle screws and loosen the Claws by a samll screwdriver.
- Lift the Handle assembly.
- Lift the Indicator light assembly from the Heat-insulated plate.





## 7. REMOVAL OF HEAT-INSULATED PLATE AND HEAT-INSULATED PLATE(B)

- a) Remove the Heat-insulated plate screw and Heat-insulated plate(B) screw.
- b) Lift the Heat-insulated plate.
- c) Lift the Packing (B).



## DIRECTIONS FOR REASSEMBLY

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

### **WARNING**

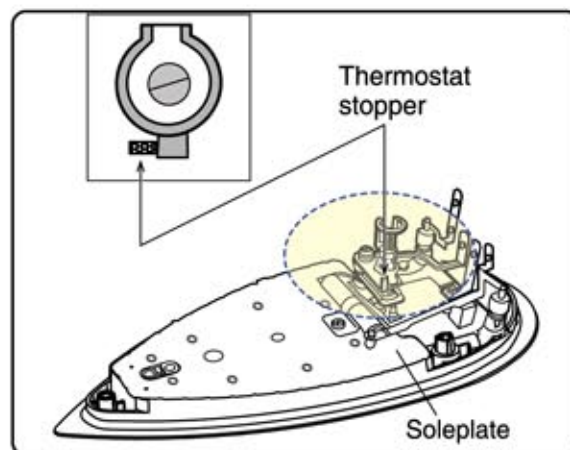
1. Please connect the wires exactly according to the circuit diagram when installing, or it may lead to accidents of electrical leakage, smoke, injury etc.
2. During installing, all the screws must be fully fixed to avoid loosening and dropping, which may result in injury and safety accidents because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





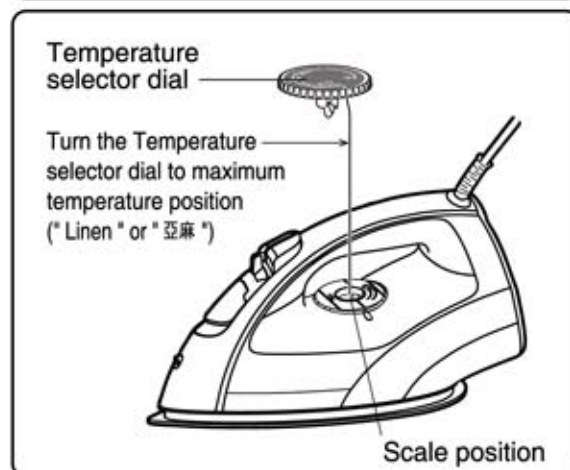
## 1. INSTALLATION OF HEAT INSULATING PLATE

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



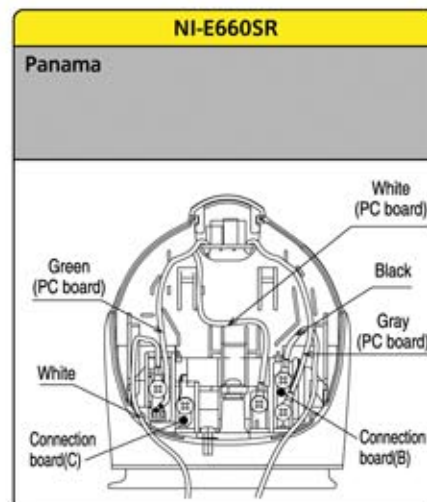
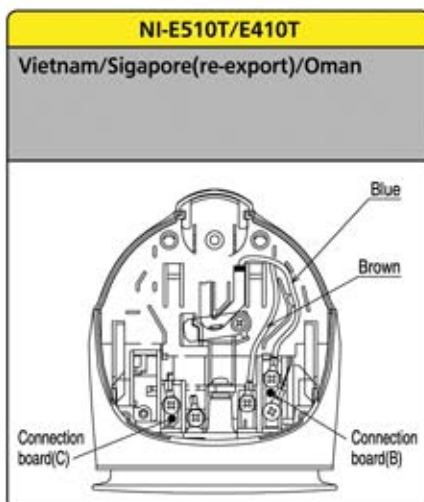
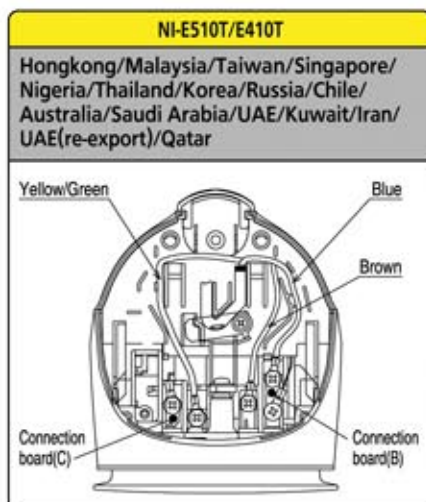
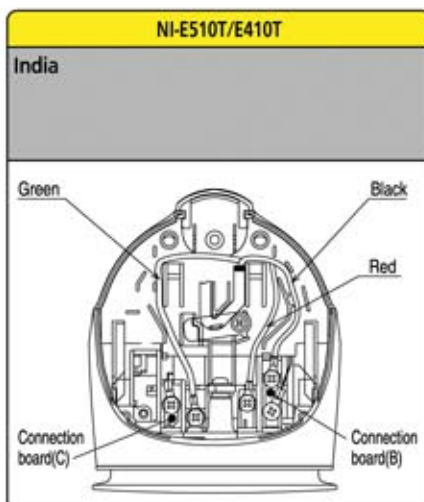
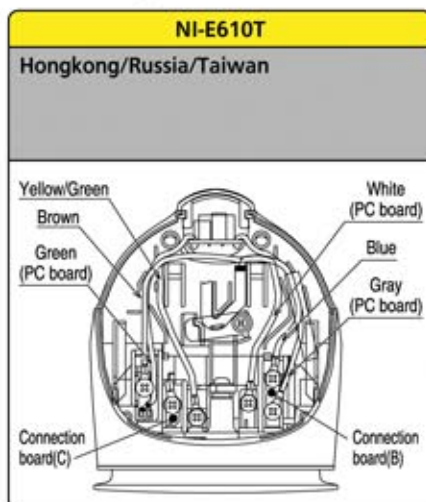
## 2. INSTALLATION OF TEMPERATURE SELECTOR DIAL

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


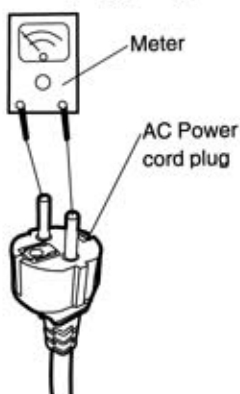
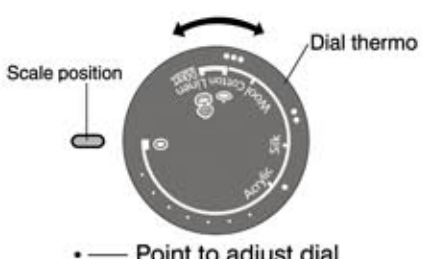
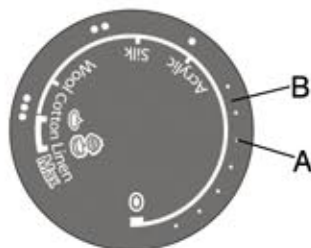
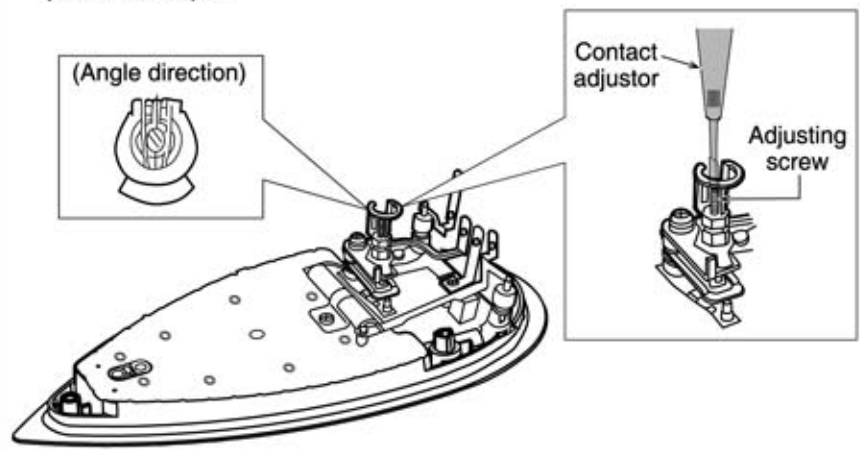


## 3. CONNECTION OF THE CORD

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)

<p><b>Step 1.</b></p> <ul style="list-style-type: none"><li>To cool,unplug and allow the iron to room temperature.</li></ul> 	<p><b>Step 2.</b></p> <ul style="list-style-type: none"><li>Attach the ohmmeter leads across both plug prongs.</li></ul> 	<p><b>Step 3.</b></p> <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><u>Temperature selector</u></p> 
<p><b>Step 4.</b></p> <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> 	<p><b>Step 5.</b></p> <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> 	

**NOTE:** While adjusting for the proper setting it may be necessary to repeat Step 4 several times.

## 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.



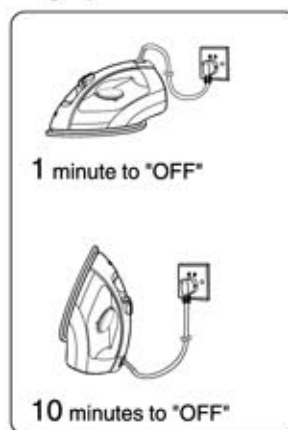


## AUTO-SHUT-OFF TEST ( NI-E660SR/E600T only )

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.**

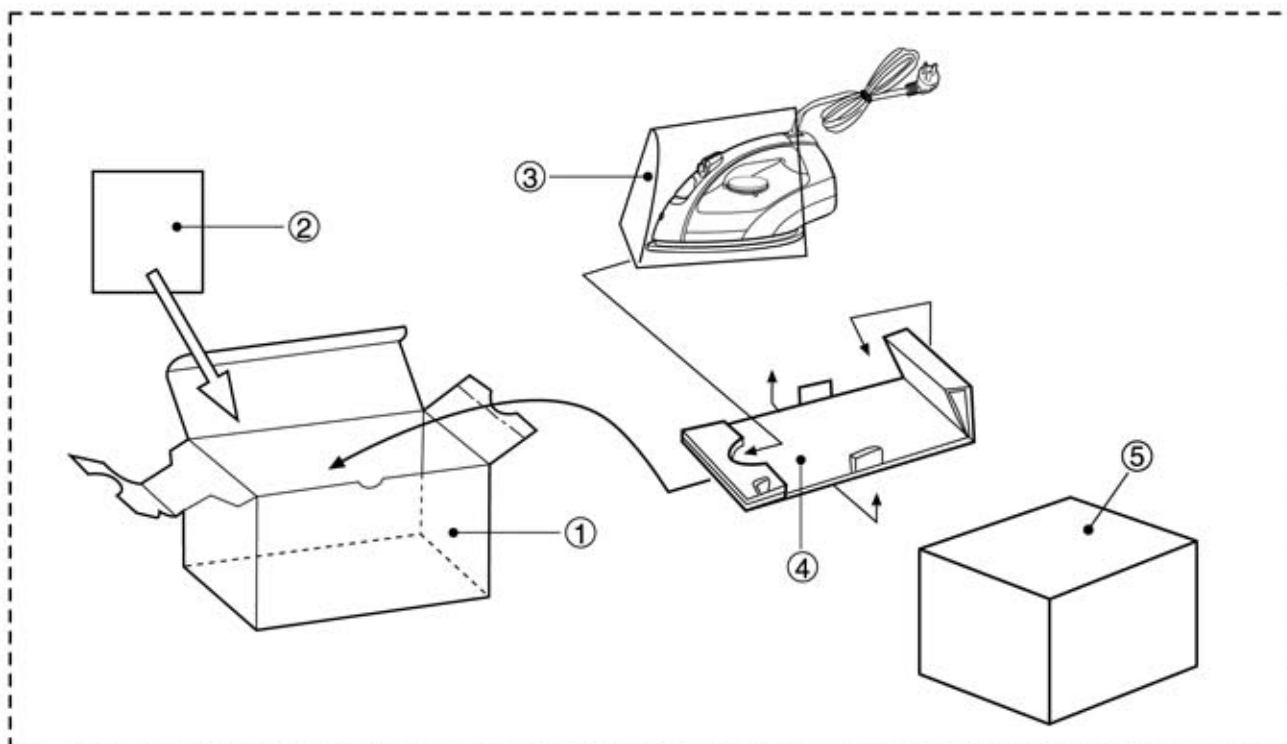
**2. When you finish ironing, always unplug the iron.**



## TROUBLE SHOOTING GUIDE

CONDITION	CHECK POINT	CAUSE	REMEDY
No steam or poor steaming force  (Perform <b>STEAM TEST</b> refer to Page 9.)	A. Check if Temperature Selector Dial is set at "☁" (red area on Temperature Selector Dial)  B. Remove the Water Tank, fill it with water and set the Steam Button in up position while tank is held horizontally.  C. Check temperature control range (See <b>TEMPERATURE TEST METHOD</b> ).  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.	<ul style="list-style-type: none"> <li>• Set Temperature Selector Dial at "☁".</li> <li>• Clean opening or replace Tank if necessary.</li> <li>• Reset the adjusting screw or refer to <b>TEMPERATURE TEST METHOD</b>, Page 9.</li> <li>• Clean steam vents.</li> </ul>
Water leaks from steam vents	E. Refer to item A. F. Refer to item C.		
Water leaks from section where Water Tank (Handle assembly) connects to iron	G. Make sure Water Tank is mounted securely to the iron.  H. Check bottom position of Water Tank rubber gasket located at the center of the Heat-insulated plate.	G-1. Water leaks from between Water Tank and iron due to improper position of Tank to iron.  G-2. Locking knob is too loose to hold Tank properly.  H-1. Cracked or damaged bottom position of the Tank or rubber gasket causes water leak.	<ul style="list-style-type: none"> <li>• Secure Tank to iron as instructed in the Operating Instructions.</li> <li>• Replace Handle.</li> <li>• Replace Water Tank or Soleplate assembly if necessary.</li> </ul>
Water leaks from Water Tank housing	I. Check that Steam/Dry Selector is set in Dry position.	I-1. Cracked or damaged Water Tank cause water leak.	<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> refer to Page 9.)	J. Check if white particles come out while steaming.	J-1. Improper care for the iron after each use and/or high mineral content water.	<ul style="list-style-type: none"> <li>• Follow the collect instructions for carrying and storing the iron.</li> <li>• If Soleplate is damaged it will have to be replaced.</li> </ul>
No spray mist (Except NI-E100T)	K. Check if the Spray Mist Button operates correctly. L. Check if there is any clogging of nozzle.	K-1. The Spray Mist Button is defective. L-1. The spray nozzle is clogged.	<ul style="list-style-type: none"> <li>• Replace the Spray assembly.</li> <li>• Clean the nozzle.</li> </ul>
Jet of Steam is no put out ( NI-E600T/E500T/ E300T only)	M. Check if the Jet of Steam Button operates correctly. N. Check if the Ball is put in. O. Temperature setting is too low.	M-1. The Jet of Steam Button is defective. N-1. The Ball is not put in. O-1. Temperature setting is too low.	<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>

## PACKING INSTRUCTIONS



## PACKING PARTS LIST

REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
1	Box	ANI8100PP40M	1	NI-E660SR-V: Panama
		ANI8100AP42M	1	NI-E610T-V: Hongkong
		ANI8100RP42M	1	NI-E610T-V: Russia
		ANI8100WP42M	1	NI-E610T-V: Taiwan
		ANI8100AP43D	1	NI-E510T-D: Hongkong
		ANI8100FP43D	1	NI-E510T-D: Malaysia
		ANI8100ZP43D	1	NI-E510T-D: Singapore/Nigeria
		ANI8100GP43D	1	NI-E510T-D: India
		ANI8100MP43D	1	NI-E510T-D: Australia
		ANI8100WP43D	1	NI-E510T-D: Taiwan
		ANI8100XP43D	1	NI-E510T-D: Thailand
		ANI8100OP43D	1	NI-E510T-D: Vietnam
		ANI8100YP43D	1	NI-E510T-D: Sigapore(re-export)
		ANI8100RP43D	1	NI-E510T-D: Russia
		ANI8100LP43D	1	NI-E510T-D: Saudi Arabic/Kuwait/UAE
		ANI8100SP43D	1	NI-E510T-D: Oman
		ANI8100EP43D	1	NI-E510T-D: Iran
		ANI8100AP45R	1	NI-E410T-R: HongKong
		ANI8100AP45M	1	NI-E410T-M: HongKong
		ANI8100FP45R	1	NI-E410T-R: Malaysia
		ANI8100ZP45R	1	NI-E410T-R: Singapore/Nigeria
		ANI8100ZP45M	1	NI-E410T-M: Singapore/Nigeria
		ANI8100GP45R	1	NI-E410T-R: India
		ANI8100GP45M	1	NI-E410T-M: India
		ANI8100XP45R	1	NI-E410T-R: Thailand
		ANI8100CP45R	1	NI-E410T-R: Korea



REF. NO.	PART NAME	PART NO.	Q'TY /SET	REMARKS
	Box	ANI8100CP45M	1	NI-E410T-M: Korea
		ANI8100OP45R	1	NI-E410T-R: Vietnam
		ANI8100OP45M	1	NI-E410T-M: Vietnam
		ANI8100YP45R	1	NI-E410T-R: Sigapore(re-export)
		ANI8100YP45M	1	NI-E410T-M: Sigapore(re-export)
		ANI8100RP45M	1	NI-E410T-M: Russia
2	Operating Instructions	ANI8200AP45	1	All Model: Hongkong/Taiwan/Malaysia/Singapore/Nigeria/India/Australia/Mongolia
		ANI8200XP45	1	All Model: Thailand/Korea
		ANI8200YP45	1	All Model: Sigapore(re-export)/Vietnam
		ANI8200RP45	1	All Model: Russia
		ANI8200IP45	1	All Model: Saudi Arabic/Kuwait/UAE/Iran/UAE(re-export)/Oman/Qatar
		ANI8200JP06	1	NI-E660SR: Panama
3	Polythene bag	ANI8800 - M60	1	NI-E660SR: Panama
		ANI8800 - 039	1	All Model: The others (Common)
		ANI8800 - N62	1	NI-E410T:Korea
4	Packing filler A	ANI8401 - A01	1	All Model
		ANI8401 - P05	1	NI-E660SR: Panama
5	Packing filler B	ANI8404 - P05	1	NI-E660SR: Panama
6	Outer Carton	ANI8005UP40M	1	NI-E660SR: Panama
		ANI8005AP42M	1	NI-E610T-V: Except Taiwan
		ANI8005WP42M	1	NI-E610T-V: Taiwan
		ANI8005AP43D	1	NI-E510T-D: Except Taiwan and India
		ANI8005WP43D	1	NI-E510T-D: Taiwan
		ANI8005AP45R	1	NI-E410T-R
		ANI8005AP45M	1	NI-E410T-M
		ANI8005GP43D	1	NI-E510T-D:India
		ANI8005GP45R	1	NI-E410T-R:India
		ANI8005GP45M	1	NI-E410T-M:India

## FEATURE TABLE

Model No. Features	NI-E660SR	NI-E610T	NI-E510T	NI-E410T
Adjustable Steam	Yes	Yes	Yes	Yes
Curved Soleplate	Yes	Yes	Yes	Yes
Spray	Yes	Yes	Yes	Yes
Anti-Calcium System	Yes	Yes	Yes	Yes
Jet of Steam	Yes	Yes	Yes	Yes
Vertical Steam	Yes	Yes	Yes	-
Auto Shut-Off	Yes	Yes	-	Yes