

Service Manual

Electric Cordless Dry Iron
Model No. NI-100DX



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.

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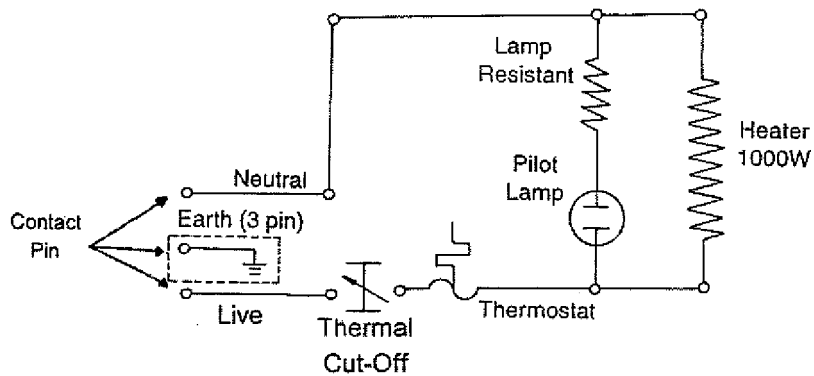
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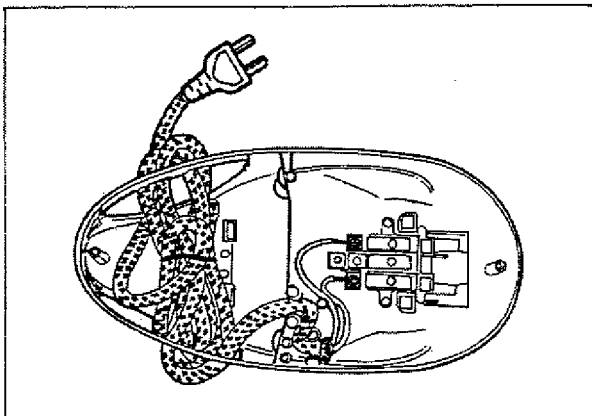
1 Specifications

RATING	AC220V - 1000W, AC240V - 1000W
WEIGHT	1.4kg
DIMENSIONS (D x W x H)	260mm X 129mm X 203.8mm
TEMP.CONTROL RANGE	85°C - 210°C
HANDLE COLOUR	WHITE

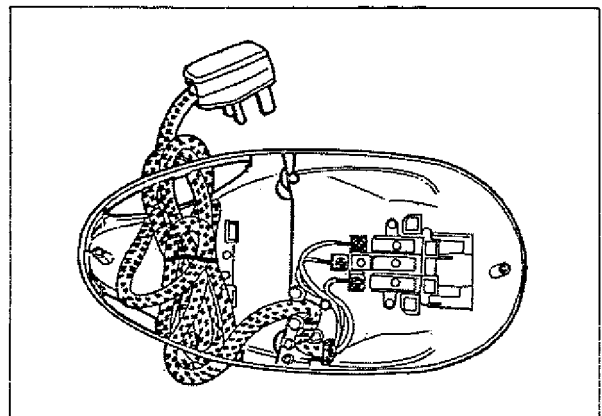
2 Wiring Connection Diagram



3 Schematic Diagram



2 PINTYPE



3 PINTYPE

4 Disassembly Instructions

4.1. Removal of Rear Handle Cover

Step 1 Remove the screw indicated and then pull the Rear Handle Cover.

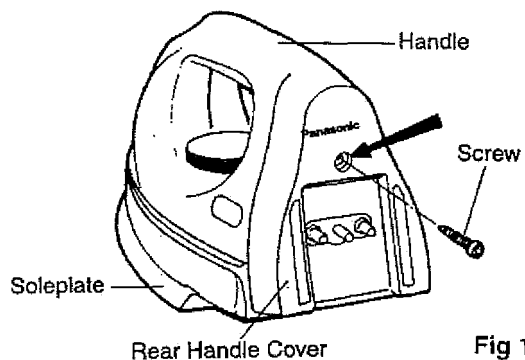


Fig 1

Step 2 Disconnect the screws indicated slowly.

Caution: Do not pull the terminal tips of the Lead wires.

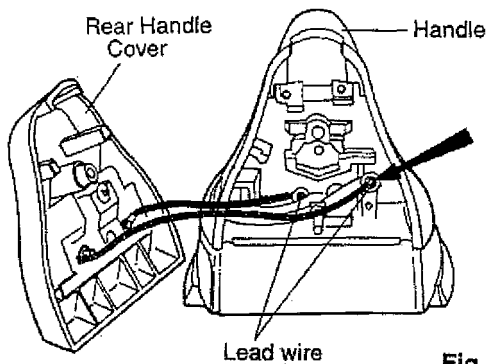


Fig 2

4.2. Removal of Pilot Lamp

Step 1 Remove the screws holding the Pilot Lamp from the terminal.

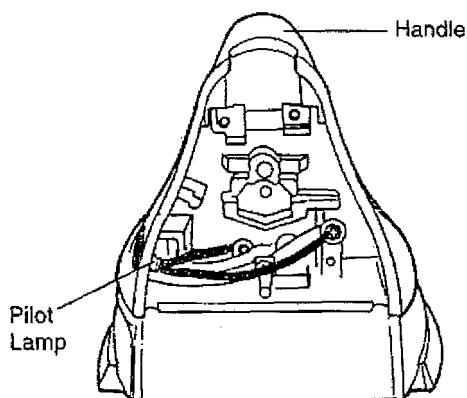


Fig 3

4.3. Removal of Dial Knob

Step 1 Insert thin screwdriver lightly in the right and left sides (2 places) of the dial knob. Pressing the handles of both screw drivers downward make the dial knob come off the handle of the iron.

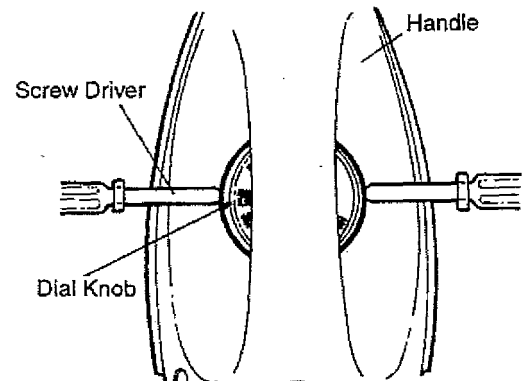


Fig 4

4.4. Removal of Handle

Step 1 Remove 2 screws indicated and lift handle.

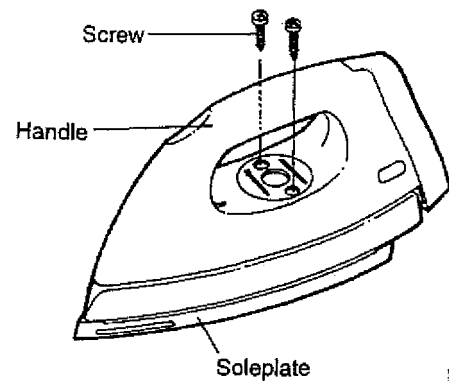


Fig 5

Step 2 Remove the Contact Pin B together with the washer before removing the handle.

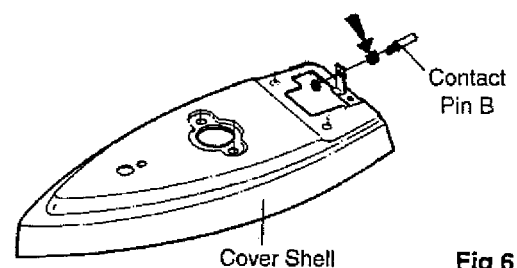


Fig 6

4.5. Removal of Iron Weight (For model NI-100DX)

Step 1 Remove 3 screws indicated and lift the iron weight.

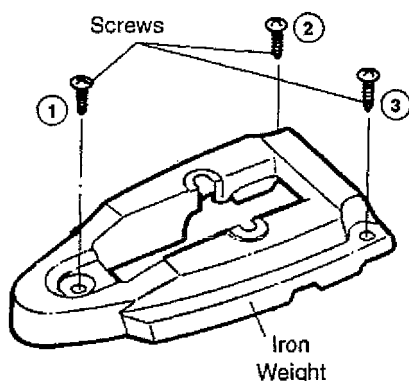


Fig 7

4.6. Removal of Rating Plate

Step 1 Remove 2 screws indicated and pull backward.

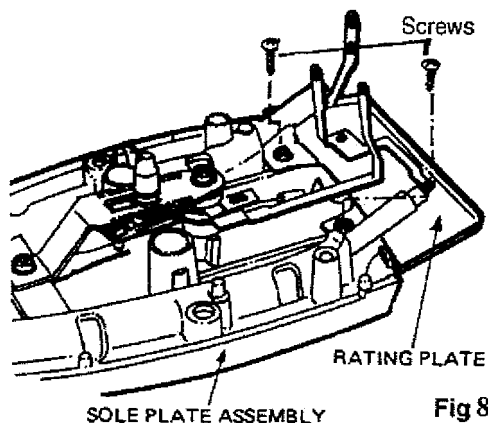


Fig 8

4.7. Removal of Cover Shell, Handle and Lamp Cover

Caution: The cover shell, handle and lamp cover are not required to be removed unless they are defective.

Step 1 Remove 3 screws indicated and lift the handle. After remove the cover from the handle, the lamp cover can be removed from the handle by pressing the lamp cover.

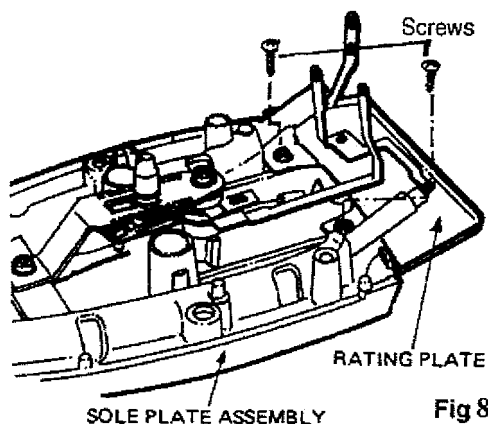


Fig 8

5 Reassembly Instructions

- Reassemble the parts in the reverse order of disassembly.

5.1. Mounting of Thermostat.

Step 1 Tighten each screw firmly. It should be especially followed for the thermostat. If the screws are not properly tighten, it may cause temperature failure.

Caution: Set the thermostat stopper as shown. If setting is wrong, it may cause a temperature failure.

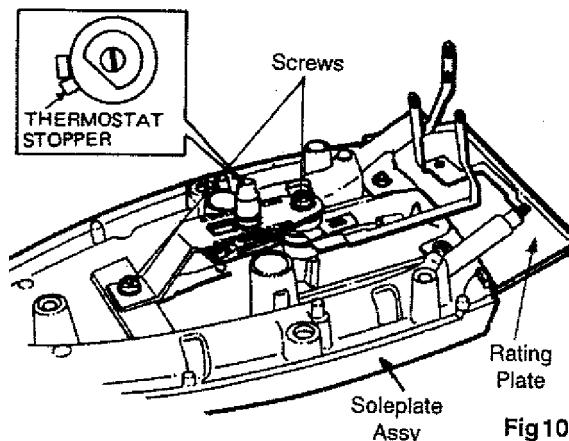


Fig 10

5.2. Mounting of Joint Plate

Step 1 Be sure to mount the Joint Plate to a thermostat axis without fail. The dial knob cannot be mounted without this part.

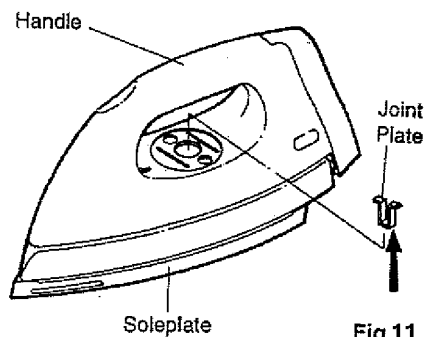


Fig 11

5.3. Mounting of Pilot Lamp

Step 1 Properly wire the lead wire E, F and pilot lamp and screw tightly. Push the lead wire E and F upward and insert. Mount the rear handle cover.

Caution: If the cord is not fixed in the cord slots, it may be damaged.

Fix the Contact Pin B together with the washer.

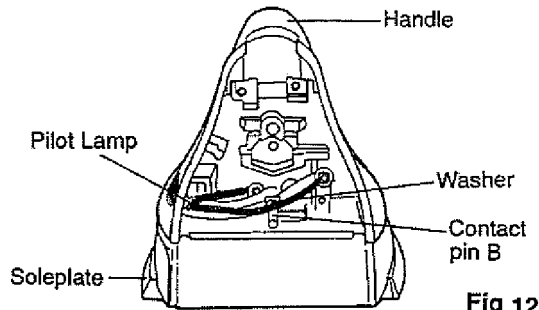


Fig 12

5.4. Important assembly point

Step 1 Wiring screw M3.5 x 5 and M3.5 Washer must be fixed before using the Stand assembly.

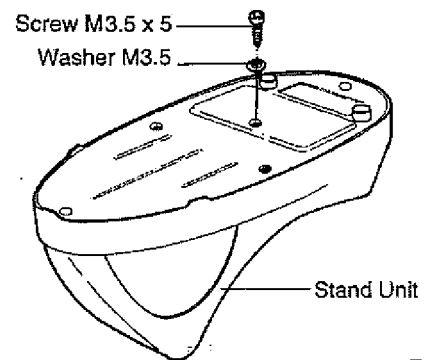


Fig 13

6 Caution/hints on repairs

Do not supply power directly to the handheld iron unit by plugging the power cord, etc.
If this is done, the temperature fuse will melt off and the iron may malfunction.

When doing repairs, be sure that any checking procedure covers not only the Iron unit but also the stand unit.

1. Temperature Fuse

In case of trouble due to melt off, repair in accordance with the countermeasure described below.

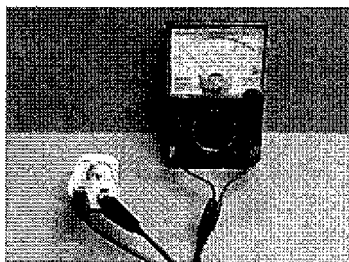
Symptom		Necessary parts to be exchanged
i) Temperature Fuse melt-off	i) Deteriorated performance of Thermostat and insufficient control.	Soleplate
ii) Temperature Fuse (disconnection due to factors other than heat)		Soleplate

2. Rear Handle Cover (Pin) and Finished Contact Spring.

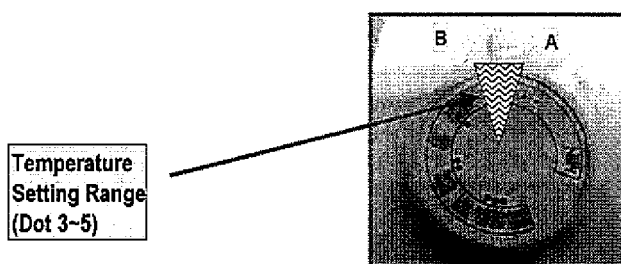
Even if the contact surfaces of the rear handle cover (pin) and the finished contact spring become black, it does not necessarily indicate trouble. When dust particles are adhered to such surface, wipe them off by using a dry cloth. Do not brush them with any paper or file, as such action may hamper flow of electric current.

7 Standard Temperature Setting

Step 1 Attach Ohm Meter Probe across both Plug Prongs.



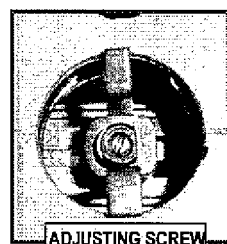
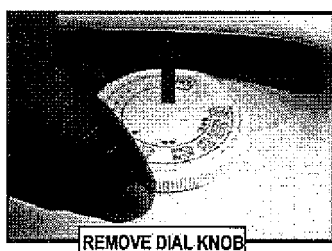
Step 2 Turn the Dial Knob, if the Meter Needle deflect while the Dial Knob is within the Range shown by arrows (A) and (B) then Iron is Working Normal.



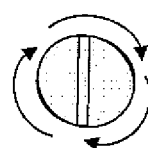
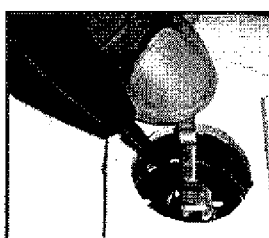
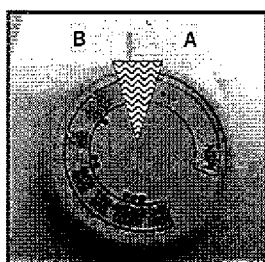
Step 3 If the Meter Needle Deflects before point (A) or after point (B), proceed to step 4.

Step 4 Turn the Dial Knob to "Maximum" Position and Remove Fabric Guide Plate.

(After Removing the Dial Knob the Adjusting Screw can be seen)

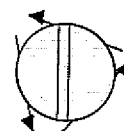
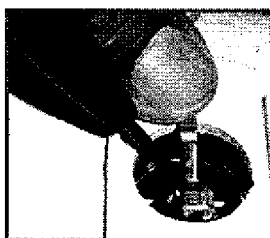
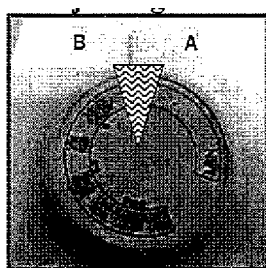


Step 5a If the Dial Knob causes the meter to deflect after point (B), turn the Adjusting Screw Anti-Clockwise.



LARAS IKUT- ARAH JAM
ADJUST - CLOCKWISE

Step 5b If the Dial Knob causes the meter to deflect before point (A), turn the Adjusting Screw Clockwise.



LARAS IKUT - LAWAN ARAH JAM
ADJUST - ANTI CLOCKWISE

Step 6 After Adjusting, check the Setting Range (Step 3).

Step 7 Adjust Till the Needle Deflects within the Range shown by arrows (A) and (B).

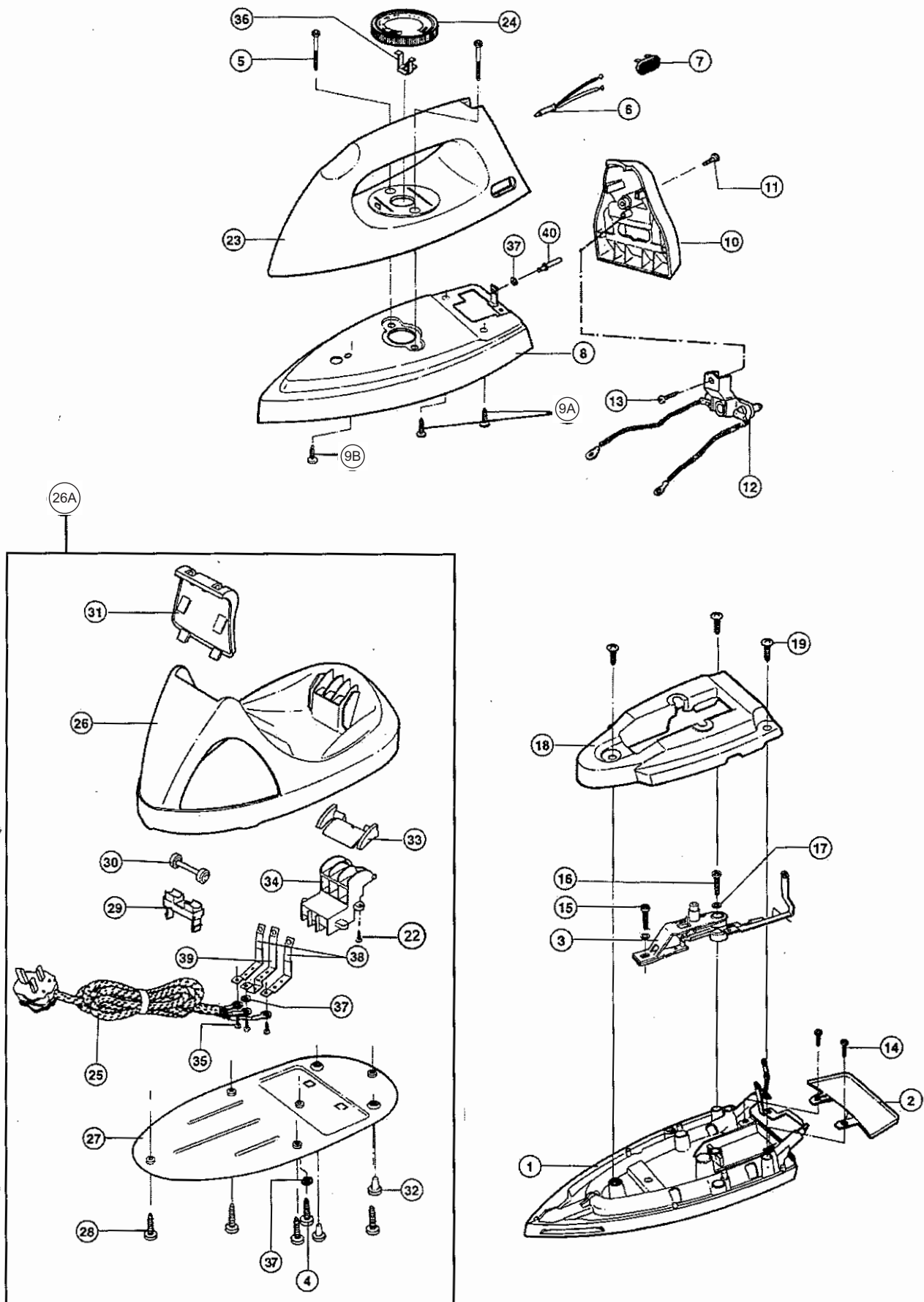
Caution: Thermostat with Arrontite cannot be adjust.

8 Troubleshooting Guide

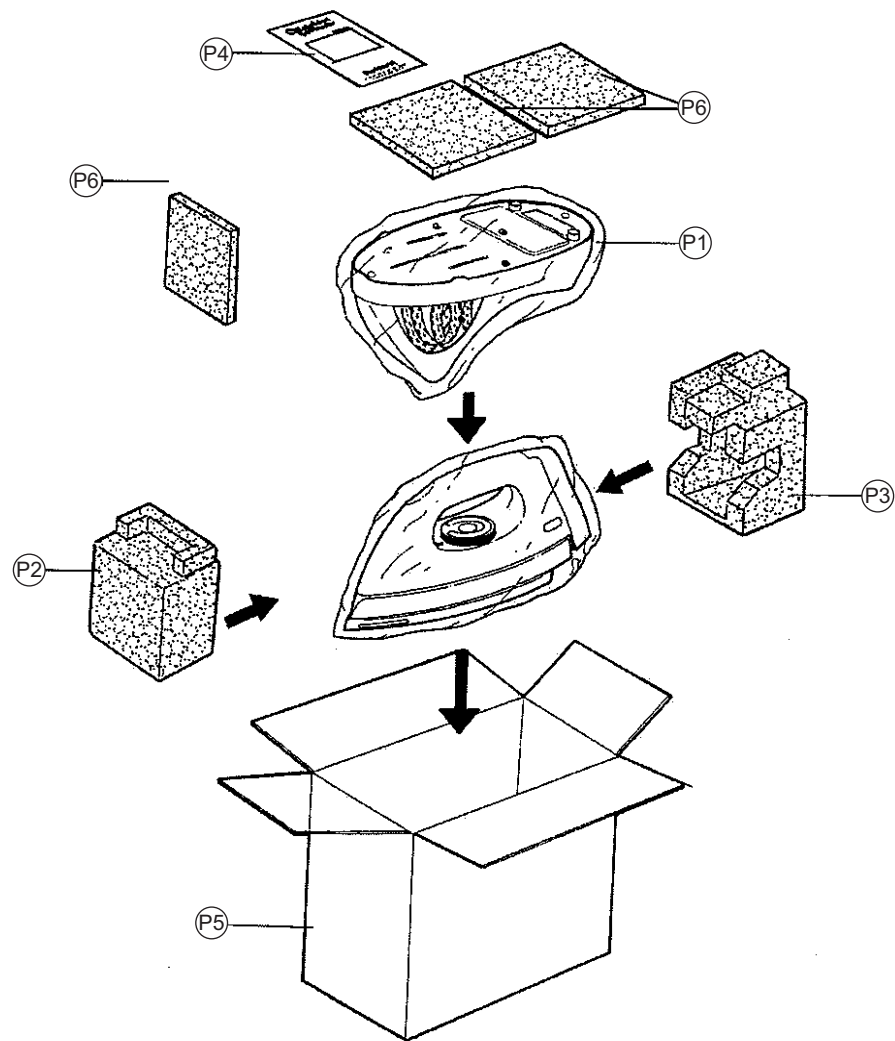
CONDITION	HOW TO CHECK	CAUSE	HOW TO REMEDY	HOW TO CONFIRM
NO HEAT A) NO HEAT	FIND THE FAULTY WITH A CIRCUIT TESTER	<ol style="list-style-type: none"> 1. BROKEN PLUG 2. BROKEN CORD 3. LOOSE SCREWS IN TERMINAL OR ELECTRIC CIRCUIT PARTS 4. INOPERATIVE OR ABNORMAL TERMINAL ASSEMBLY 5. DISCONNECTION OF THE HEATER AND THE LEAD PLATE 	<ol style="list-style-type: none"> 1. REPLACE A PLUG 2. REPAIR OR REPLACE 3. TIGHTEN THE SCREWS 4. REPAIR OR REPLACE 5. REPLACE 	CHECK WITH A CIRCUIT TESTER
B) HEAT A PART OF SOLEPLATE		DISCONNECTION OF THE HEATER AND THE LEAD PLATE	REPLACE	CHECK WITH A CIRCUIT TESTER

9 Exploded View and Replacement Parts List

9.1. Exploded View



9.2. Packing Instruction



9.3. Replacement Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Qty	Remarks
	1	i1084KKA240A	SOLEPLATE COMPLETE ASS'Y	1	AC240V-1000W (M'sia, S'pore, Kuwait)
	(1)	i1064KKA240A	SOLEPLATE COMPLETE ASS'Y	1	AC220V-1000W (Thai, UAE, Oman, Qatar, S.Arabia, Korea)
	2	i6264Y-SH32A	RATING PLATE	1	AC240V - 100W (M'sia)
	(2)	i6164Y-QH32A	RATING PLATE	1	AC230V - 100W (S'pore)
	(2)	i6244Y-TH32A	RATING PLATE	1	AC220V - 100W (Thai)
	(2)	i6244Y-QH32A	RATING PLATE	1	AC220V - 100W (UAE, Qatar, Oman)
	(2)	i6264Y-QH32A	RATING PLATE	1	AC240V - 100W (Kuwait)
	(2)	i6244Y-RH32A	RATING PLATE	1	AC220V - 100W (S.Arabia, Korea)
	3	i4800K-M240A	THERMOSTAT ASS'Y	1	
	4	XSB35+5FN5	WIRING SCREW	8	3 PIN Type
	(4)	XSB35+5FN5	WIRING SCREW	6	2 PIN Type
	5	i90200-0069	COVER SHELL SCREW	2	
	6	i5600K-0064A	PILOT LAMP	1	200V CLASS
	7	i56600DC151A	LAMP	1	
	8	i23200-0240B	COVER SHELL	2	
	9a	XTN4+12BFN	HANDLE SCREW A	2	
	9b	XTW4+16BFN	HANDLE SCREW A	1	
	10	i2020KWKH32B	REAR HANDLE COVER	1	White - 3 PIN Type
	(10)	i2020KWKH41B	REAR HANDLE COVER	1	White - 2 PIN Type
	11	XTN3+30BFN	REAR HANDLE COVER SCREW	1	
	12	i2830K-0H32A	CONTACT PIN HOLDER ASS'Y	1	3 PIN Type
	(12)	i2830K-0H41A	CONTACT PIN HOLDER ASS'Y	1	2 PIN Type
	13	XTW3+10FPN	CONTACT PIN HOLDER ASS'Y SCREW	1	
	14	i90200-0035A	RATING PLATE SCREW	2	
	15	i90200-0036A	THERMO SCREW A	1	
	16	i90200-0023A	THERMO SCREW B	1	
	17	XWA4BFF	SPRING LOCK WASHER	2	
	18	i23030-0242A	IRON WEIGHT	1	(M'sia, S'pore, Thai, UAE, Oman, Kuwait, Qatar)
	19	i90200-0025A	IRON WEIGHT SCREW	3	
	22	XTW3+10BFU	CONTACT SPRING HOLDER SCREW	2	
	23	i20000WK242B	HANDLE	1	White
	24	i2187KWKH32A	DIAL KNOB ASS'Y	1	(M'sia, S'pore, Thai, Korea)
	(24)	i2188KWKH32A	DIAL KNOB ASS'Y	1	(UAE, Oman, Kuwait, Qatar, S.Arabia)
	26	i2850KWKH32B	STAND ASS'Y	1	3 PIN Type - White (M'sia)
	(26)	i2850KWKH41B	STAND ASS'Y	1	3 PIN Type - White (S'pore)
	(26)	i2850KWKH42C	STAND ASS'Y	1	3 PIN Type - White (Thai)
	(26)	i2850KWKH43B	STAND ASS'Y	1	2 PIN Type - White (UAE, Oman, Qatar)
	(26)	i2850KWKH56B	STAND ASS'Y	1	3 PIN Type - White (Kuwait)
	(26)	i2850KWKH87B	STAND ASS'Y	1	3 PIN Type - White (S.Arabia)
	(26)	i2850KWKH69B	STAND ASS'Y	1	3 PIN Type - White (Korea)
	26a	i28500WKH32A	STAND ASS'Y	1	3 PIN Type - White
	27	i28720-0H32A	STAND COVER	1	3 PIN Type (M'sia)
	(27)	i28720-0H56A	STAND COVER	1	3 PIN Type (Kuwait)
	(27)	i28720-0H43A	STAND COVER	1	2 PIN Type (UAE, Qatar, Oman)
	(27)	i28720-0H42A	STAND COVER	1	3 PIN Type (Thai)
	(27)	i28720-0H41A	STAND COVER	1	3 PIN Type (S'pore)
	(27)	i28720-0H87A	STAND COVER	1	3 PIN Type (S.Arabia, Korea)
	28	XTN4+12BFN	STAND COVER SCREW	4	
	29	i28190-0H32A	ROLLER HOLDER	1	
	30	i2818KKA391B	ROLLER ASS'Y	1	
	31	i28640ZL159A	ROLLER COVER	1	
	32	J33A53000	RUBBER LEGS	2	
	33	i28540WKH32A	SHUTTER	1	
	34	i28330-0H32A	CONTACT SPRING HOLDER	1	
	35	XTN3+10BFU	CONTACT SPRING SCREW	2	2 PIN Type
	(35)	XTN3+10BFU	CONTACT SPRING SCREW	3	3 PIN Type
	36	i48100-0240A	JOINT PLATE	1	
	37	XWA35BFF	SPRING LOCK WASHER	3	
	38	i2834K-0H32A	CONTACT SPRING A ASS'Y	2	
	39	i2835K-0H32A	CONTACT SPRING B ASS'Y	1	3 PIN Type
	39	i2832K-0H32A	CONTACT PIN B	1	3 PIN Type
			Packing List		
	P1	i4M941007A	POLYBAG	2	
	P2	i84010-0H32A	INSULATION A	1	
	P3	i84020-0H32A	INSULATION B	1	
	P4	i82000-0H32B	INSTRUCTION MANUAL	1	M'sia
	(P4)	i82000-DH41A	INSTRUCTION MANUAL	1	S'pore, Thai, Korea
	(P4)	i82000-0H41B	INSTRUCTION MANUAL	1	UAE, Oman, Qatar, S.Arabia, Kuwait
	(P5)	i8100Y-HX32A	INNER CARTON BOX	1	M'sia
	(P5)	i8100Y-XH41A	INNER CARTON BOX	1	Other
	P6	4M9120210A	TOP INSULATION	3	