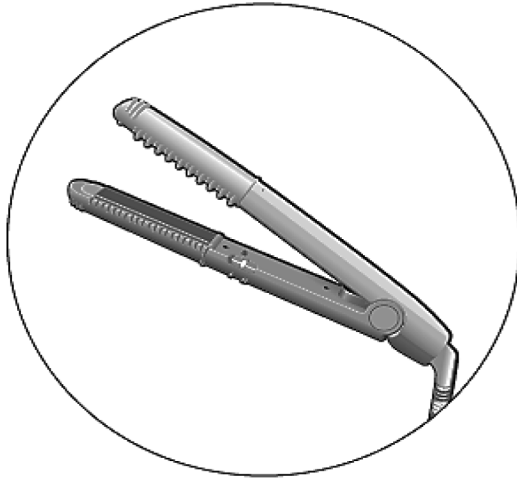


# Service Manual

Compact Straightener

Model No. **EH-HW19**

Asia



## **⚠ 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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# 1 Warning

## Caution:

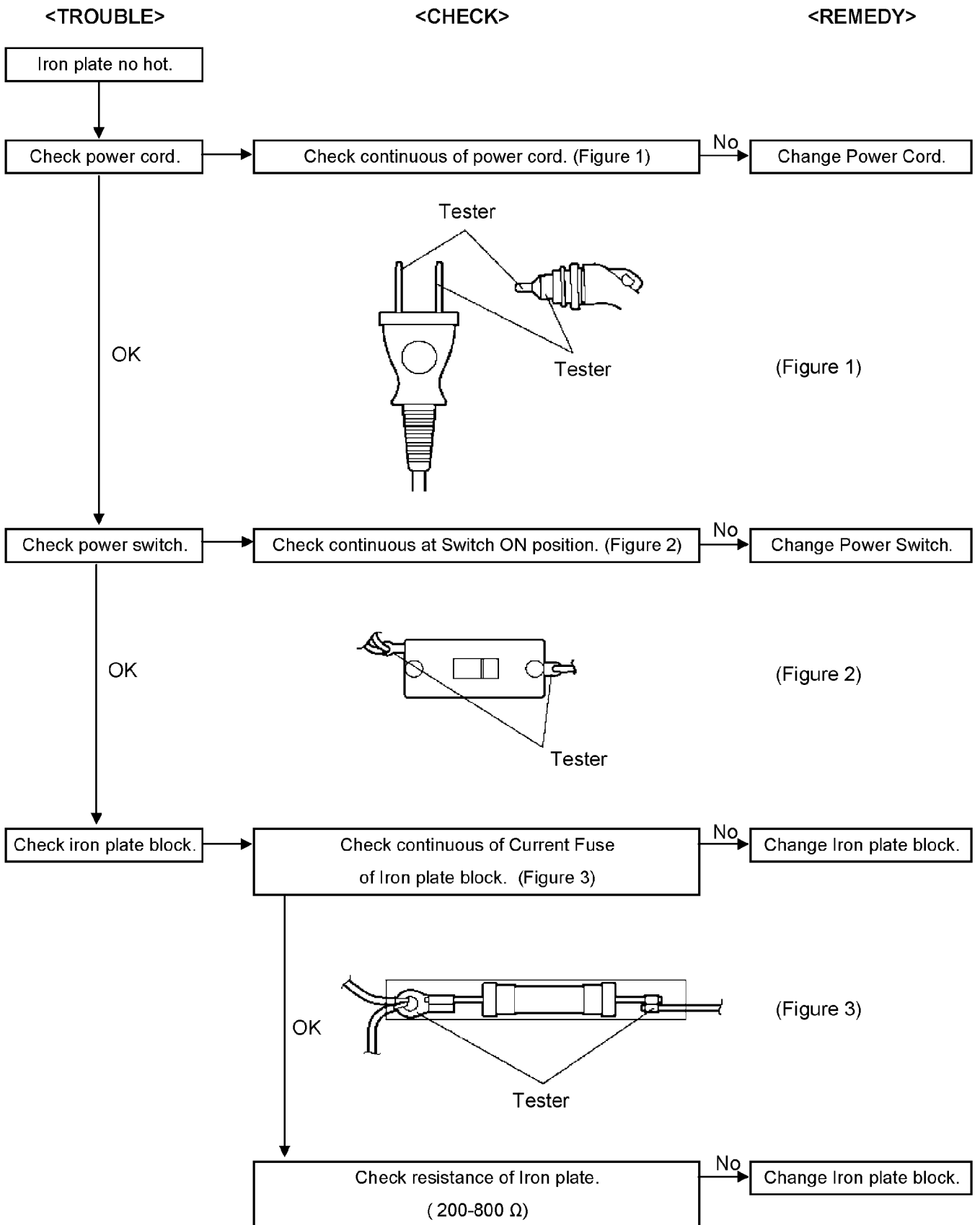
- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 750 ± 20°F (400 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat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

# 2 Specifications

Sales Area		Asia	
Power source		AC100-240V, 50-60Hz	
Power consumption		22 W	
Iron Plate temperature		200 °C	
Body size (mm.)		Without Cap	230×28×32
		With Cap	235 x 35 x 39
Weight	S3 Plug (SF629/UK13A3)	Without Cap	322 g
		With Cap	352 g
	B2 Plug (SF82/M3204)	Without Cap	271 g
		With Cap	301 g
	B2 Plug (SF822)	Without Cap	260 g
		With Cap	290 g
	A2 Plug (LM-201-9)	Without Cap	257 g
		With Cap	287 g
Cord length		S3(SF629/UK13A3) Plug	1.7 m
		B2(SF82/M3204) Plug	1.7 m
		B2(SF822) Plug	1.7 m
		A2(LM-201-9) Plug	1.7 m

# 3 Troubleshooting Guide

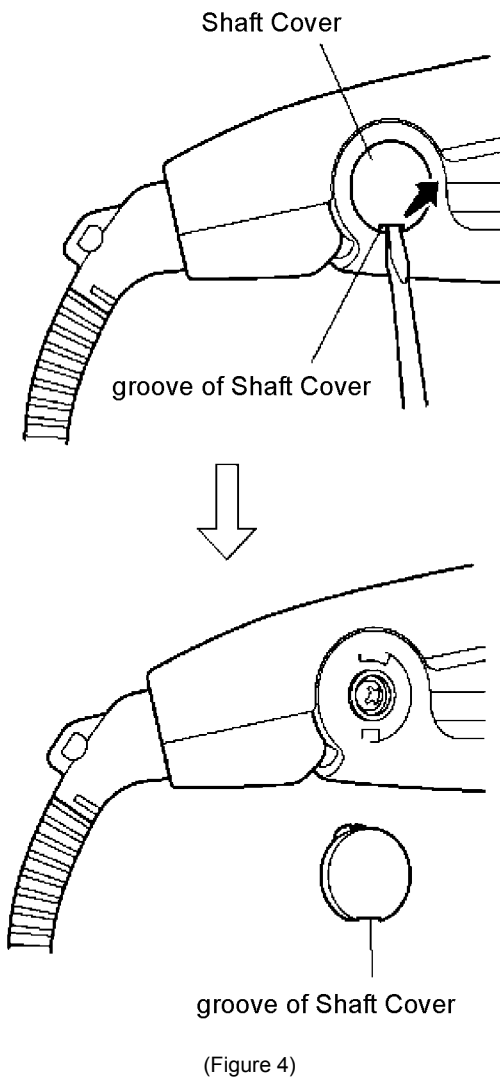
(Refer to SCHEMATIC DIAGRAM)



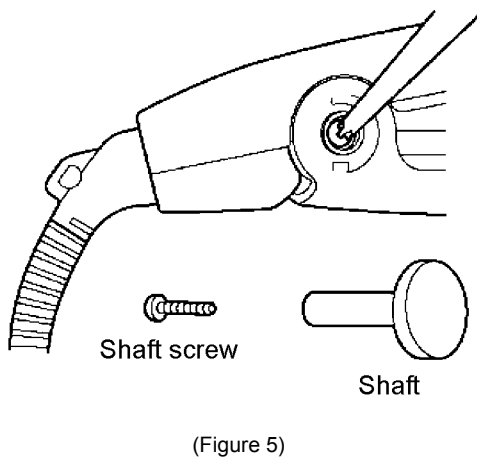
# 4 Disassembly and Assembly Instructions

## 4.1. Disassembly Instructions

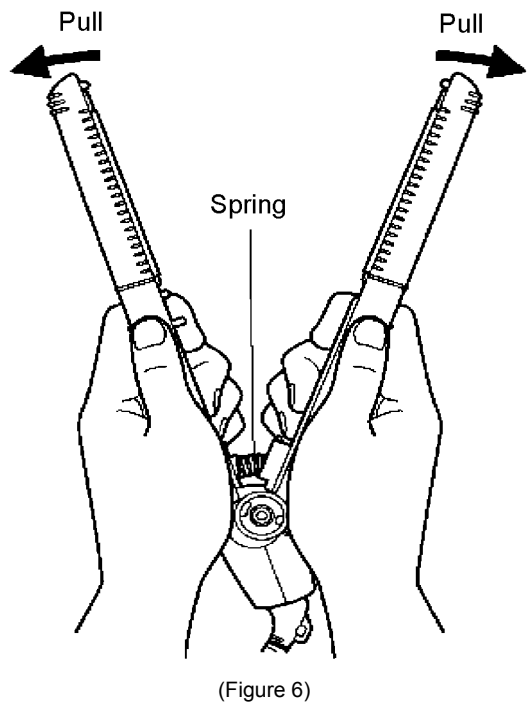
1. Insert a small flat head screwdriver into the groove of the Shaft Cover as shown in Figure 4.



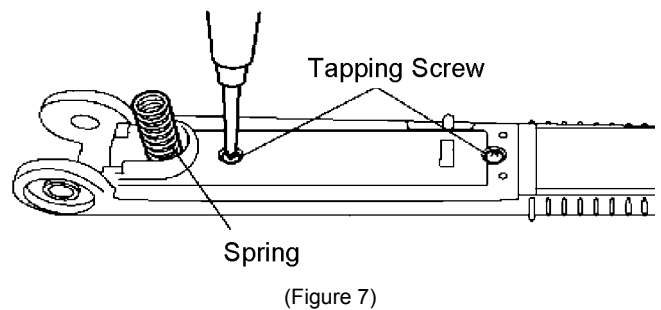
2. Remove the Shaft screw and take off the Shaft from Main body as shown in Figure 5.



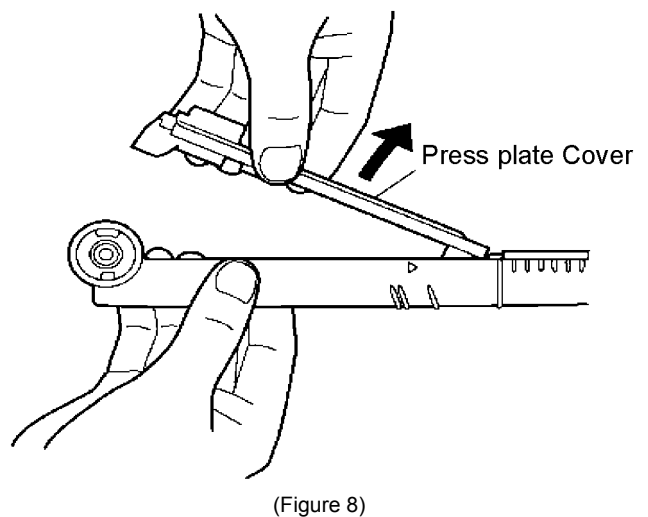
3. Remove the spring by pull out the Housing side and Press plate side as shown in Figure 6.



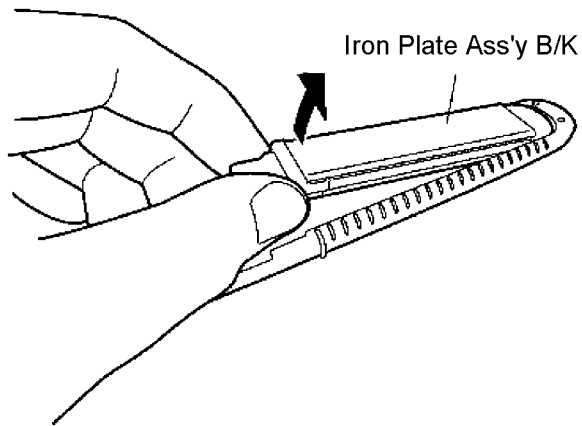
4. Using a screwdriver remove the two tapping screw from Press plate cover as shown in Figure 7.  
**\* Be careful not to lose the spring \*.**



5. Take off the Press plate cover as shown in Figure 8.

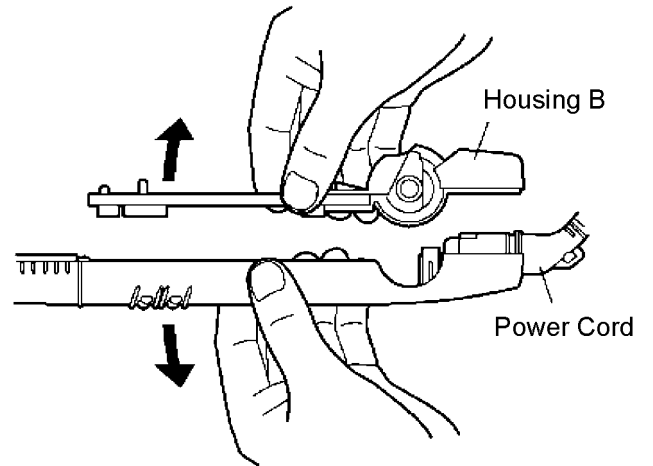


6. Remove the Iron Plate ass'y B/K of Press plate side as shown in Figure 9.



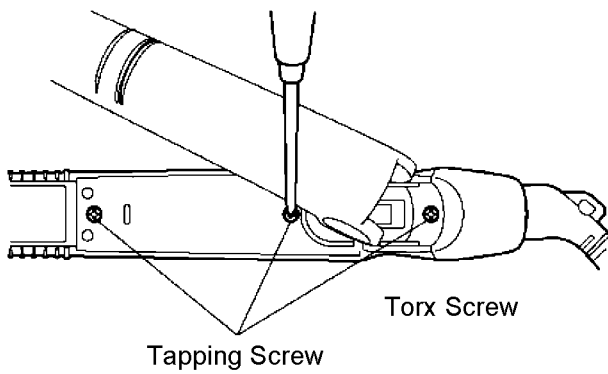
(Figure 9)

8. Take off the Housing B as shown in Figure 11.



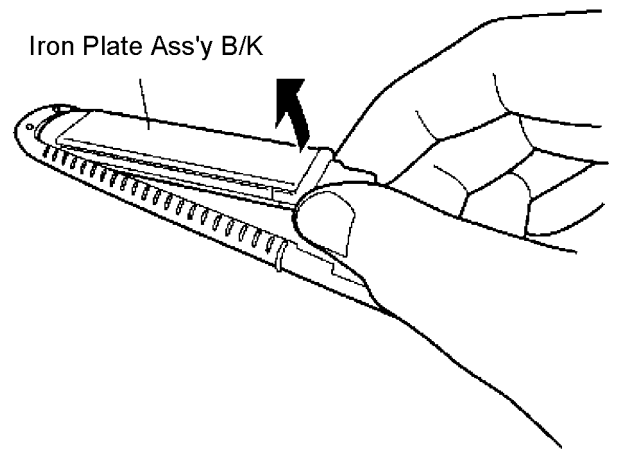
(Figure 11)

7. Using screwdriver remove the 2 tapping screw and 1 torx screw as shown in Figure 10.



(Figure 10)

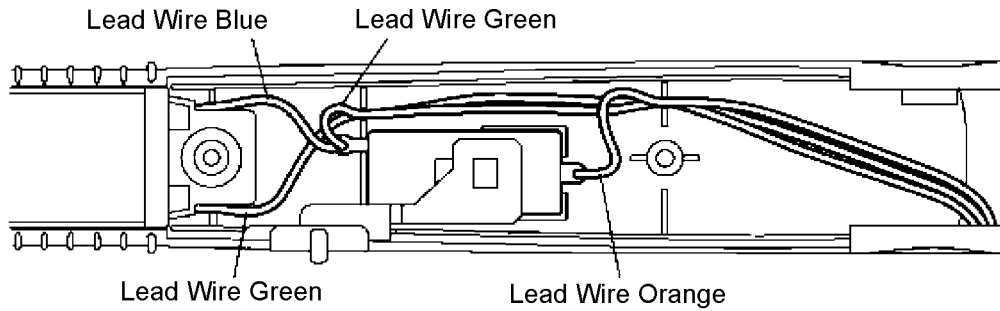
9. Remove the Iron Plate ass'y B/K of Housing side as shown in Figure 12.



(Figure 12)

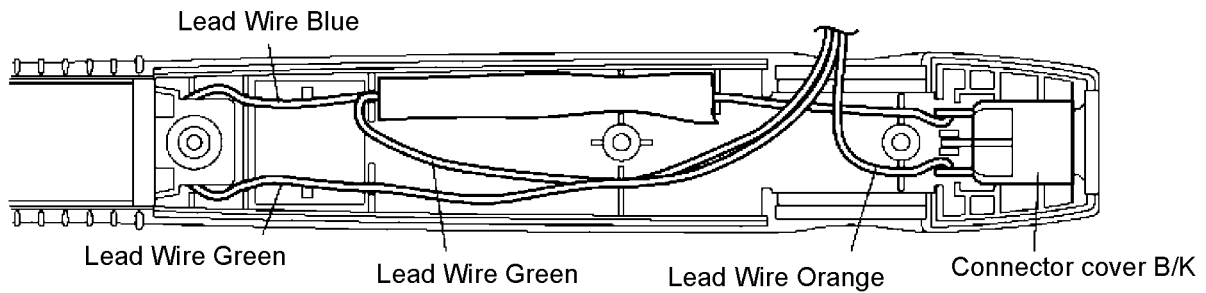
## 4.2. Assembly Instructions

1. Arrange Lead wire into rib of Press plate as shown in Figure 13.



(Figure 13)

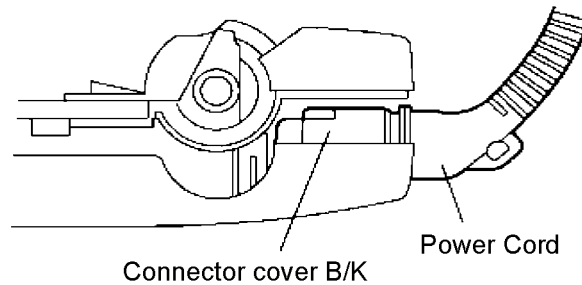
• Arrange Lead wire into rib of Housing A as shown in Figure 14.



(Figure 14)

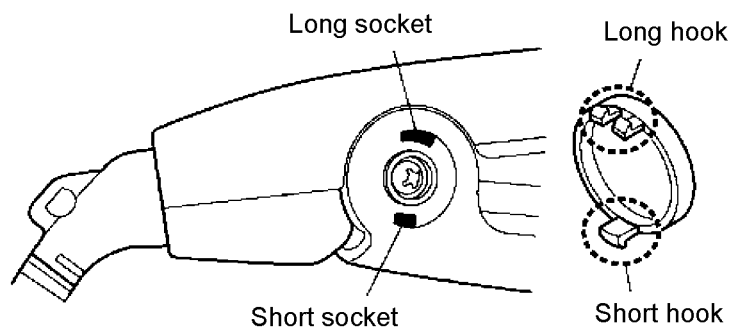
2. Assembly Housing B together with Housing A as shown in Figure 15.

• Ensure that the power cord is attached to the connector cover. (Apply grease foil at the power cord terminal)



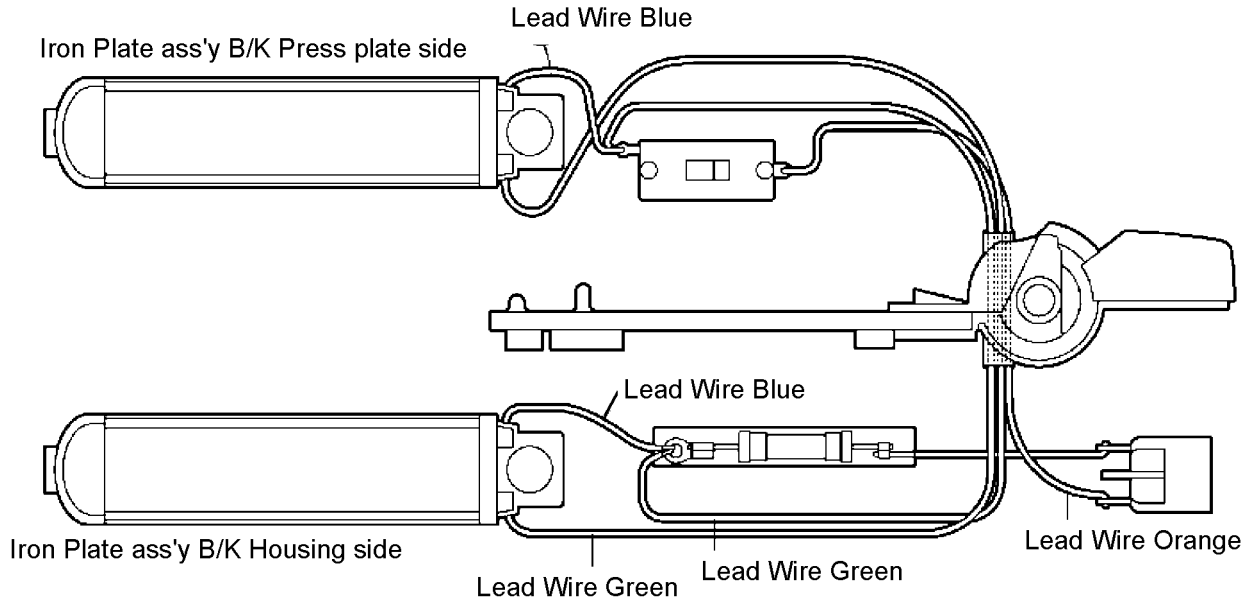
(Figure 15)

3. Fixing Shaft cover follow hook direction as shown in Figure 16.



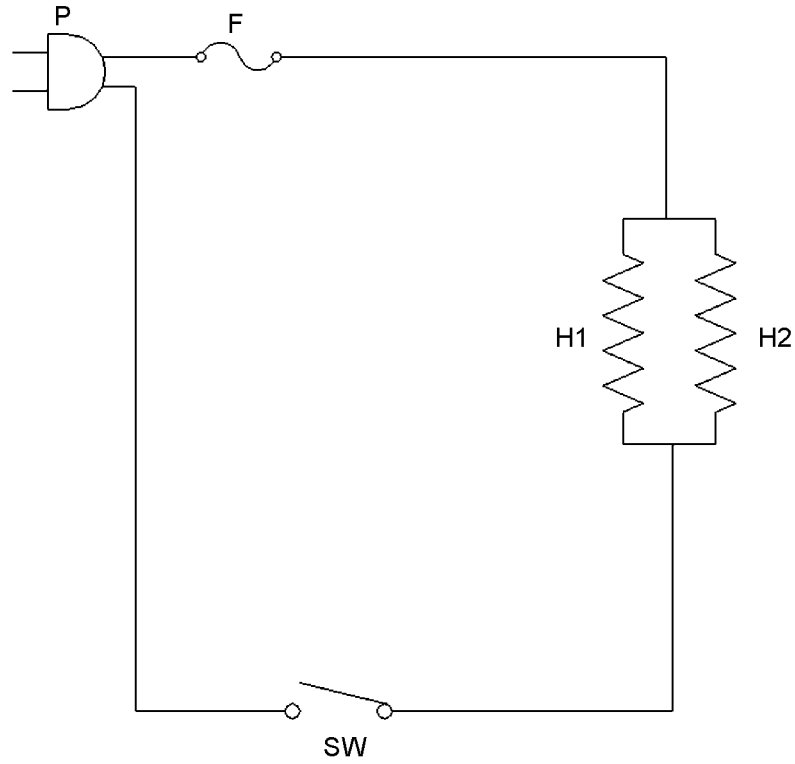
(Figure 16)

# 5 Wiring Connection Diagram



(Figure 17)

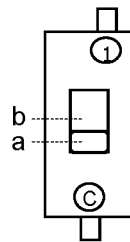
## 6 Schematic Diagram



(Figure 18)

F	Current Fuse	250V, 5A	1
H1, H2	PTC Heating Element	200 ~ 800 ohm	1
SW	Main Switch	11A, 125VAC / 5.5A, 250VAC	1
P	Power Cord		

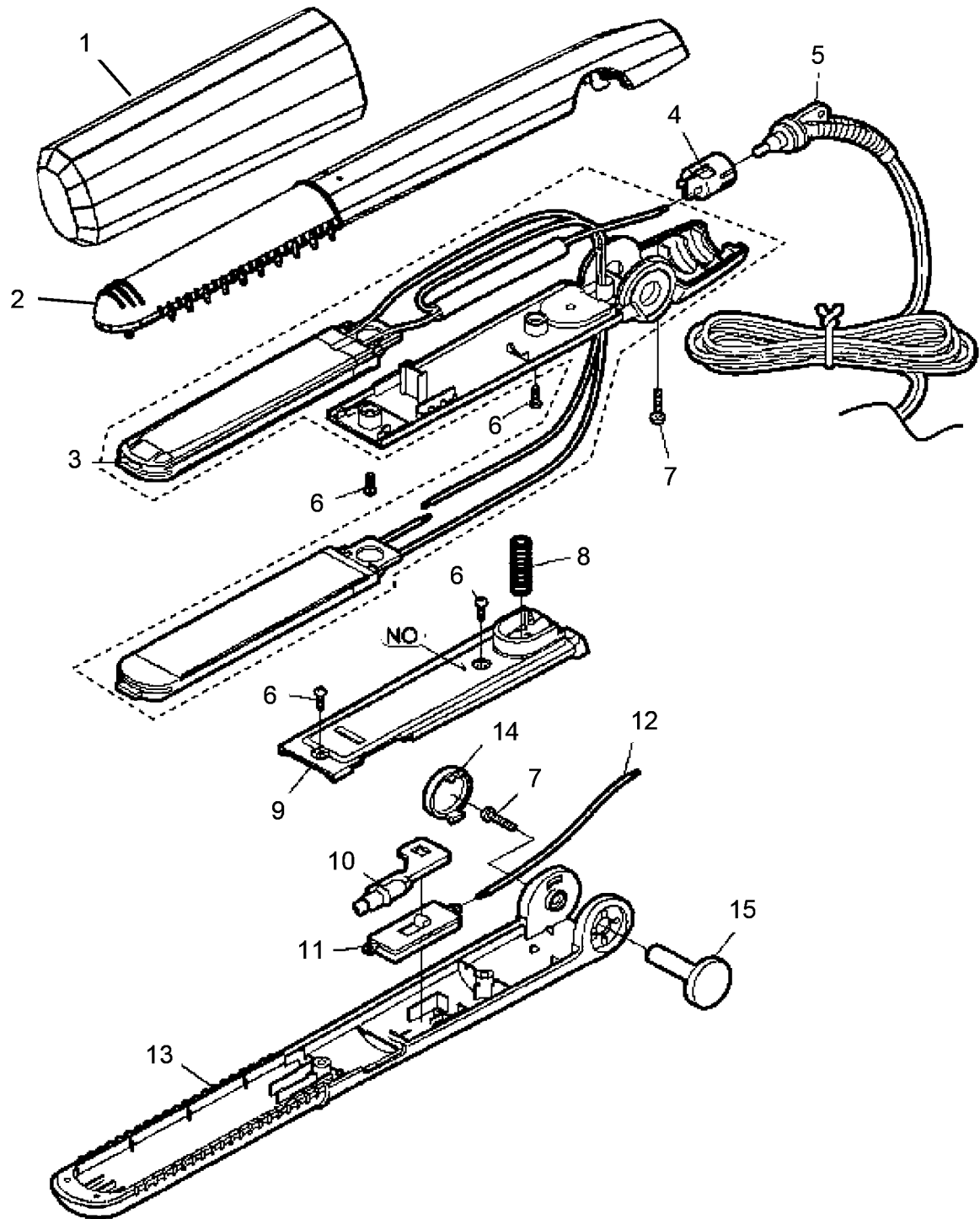
	a	b
C-1	OFF	ON





# 7 Exploded View and Replacement Parts List

## 7.1. Exploded View



All parts are supplied from PMFTH-AP through PLAP

## 7.2. Replacement Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Quantity	Remarks
	1	EHHW19CBW	CAP	1	
	2	EHHW19HSABW	HOUSING A	1	
	3	EHHW19IPBW	IRON PLATE BLOCK	1	OTHERS
	3	EHHW19IP41BW	IRON PLATE BLOCK	1	(FOR EH-HW19-K415 : INDONESIA)
	3	EHHW19IP66BW	IRON PLATE BLOCK	1	(FOR EH-HW19-K665 : SAUDI ARABIA)
	4	EHHW19CTBW	CONNECTOR COVER BLOCK	1	
	5	EHHW19PCB2BW	POWER CORD	1	(B2-PLUG)
	5	EHHW19PCS3BW	POWER CORD	1	(S3-PLUG)
	6	EHHW19T2608W	TAPPING SCREW 2.6*8	4	*1
	7	EHHW19T3010W	TORX SCREW 3*10	2	*1
	8	EHHW19PSW	PIVOT SPRING	1	
	9	EHHW19PPCBW	PRESS PLATE COVER	1	
	10	EHHW19SPBW	SWITCH PLATE	1	
	11	EHHW19MSW	MAIN SWITCH	1	(INCLUDE 2 INSULATION TUBES)
	12	EHHW19LWDW	LEAD WIRE	1	
	13	EHHW19PPBW	PRESS PLATE	1	OTHERS
	13	EHHW19PP41BW	PRESS PLATE	1	(FOR EH-HW19-K415 : INDONESIA)
	14	EHHW19SHCEW	SHAFT COVER	1	
	15	EHHW19SHBW	SHAFT	1	
	-	EHHW1941S03W	OPERATING INSTRUCTIONS	1	(FOR ASIA)
	-	EHHW1962S03W	OPERATING INSTRUCTIONS	1	(FOR INDIA)
	-	EHHW1969S03W	OPERATING INSTRUCTIONS	1	(FOR MIDDLE EAST)
	-	EHHW19S415KW	INDIVIDUAL PACKAGE	1	(FOR EH-HW19-K415)
	-	EHHW19S615KW	INDIVIDUAL PACKAGE	1	(FOR EH-HW19-K615)
	-	EHHW19S62KW	INDIVIDUAL PACKAGE	1	(FOR EH-HW19-K62 : INDIA)
	-	EHHW19S655KW	INDIVIDUAL PACKAGE	1	(FOR EH-HW19-K655)
	-	EHHW19S665KW	INDIVIDUAL PACKAGE	1	(FOR EH-HW19-K665)
	-	EHHW19S685KW	INDIVIDUAL PACKAGE	1	(FOR EH-HW19-K685)

Remarks : \*1 Individual Available