

Service Manual

(Household) Multi-Styling Straightener



Model No. EH-HV51

CIS

Middle East

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 \triangle 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.

TABLE OF CONTENTS

	Page
1 Warning.....	1
2 Specifications.....	1
3 Troubleshooting Guide.....	2
4 Disassembly and Assembly instructions.....	4
5 Wiring Connection Diagram.....	9
6 Schematic Diagram.....	9
7 Explode View and Replacement Part List.....	10

Panasonic

© Panasonic Corporation 2015 Unauthorized
copying
and distribution is a violation of law.

1. Warning

Caution:

- Pb free solder has a higher melting point than standard solder. Typical the melting point is 50 - 70°F (30 - 40°C) a higher. Please use 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

Model		EH-HV51
Sales Area		Asia
Power source / Power consumption		AC 100-130V ~ 50-60Hz 45W AC 220-240V ~ 50-60Hz 45W
Iron Plate temperature		140-160-180-200-230°C (5 level settings)
Body size (mm.)	Without Attachment	287x42x45
Weight	S3 Plug(SF629) Without Attachment	421 g
	B2 Plug(SF82) Without Attachment	370 g
	B2 Plug (SF822) Without Attachment	365 g
	MEDIUM CURL	28 g
	LARGE CURL	29 g
	EXTRA LARGE CURL	33 g
	STRAIGHTENER	31 g
	VOLUMIZER	32 g
Cord length	S3(SF629) Plug	2.0 m
	B2(SF82) Plug	2.0 m
	B2(SF822) Plug	2.0 m

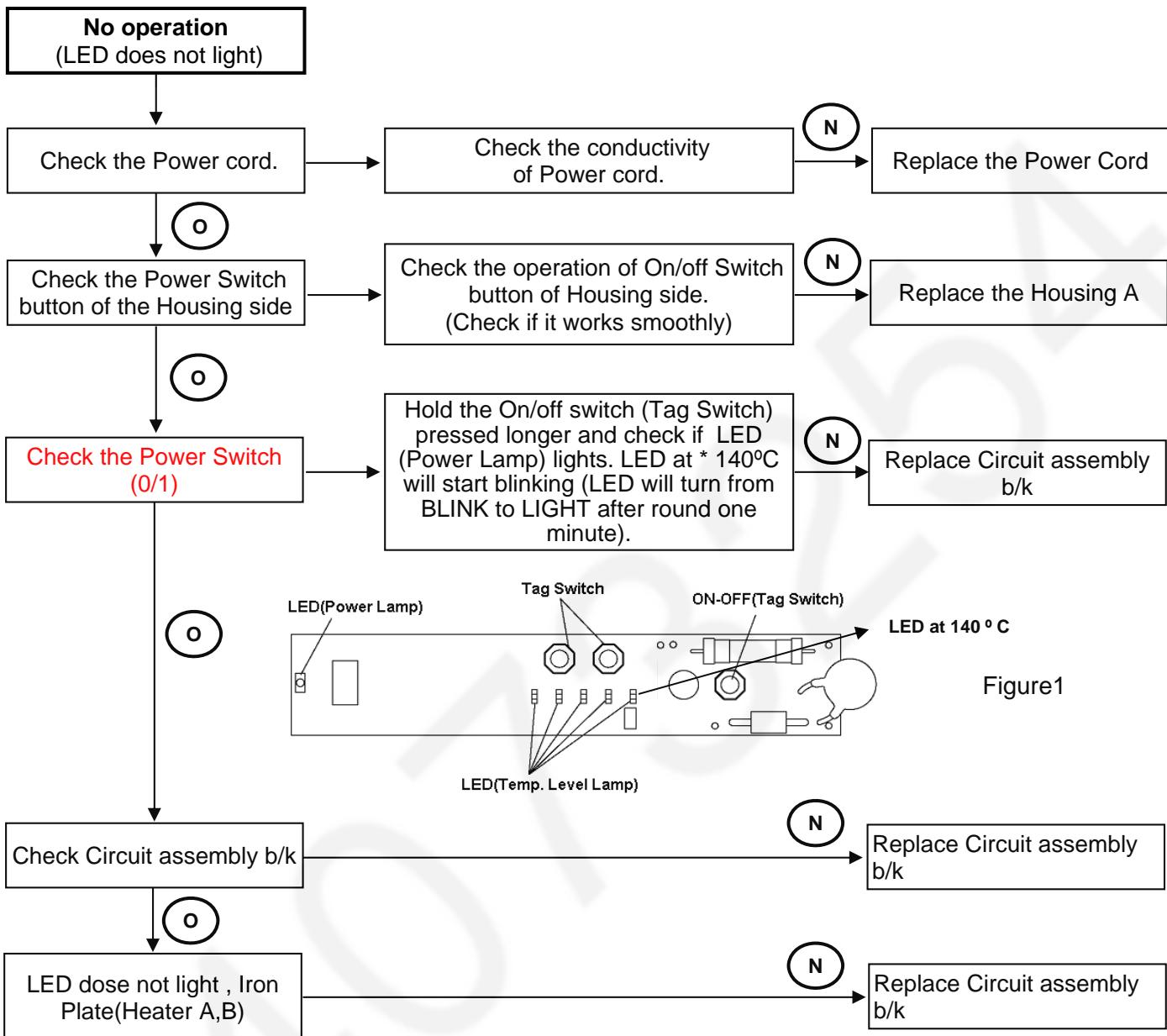
3. TROUBLESHOOTING GUIDE

Refer to WIRING CONNECTION DIAGRAM.

< CHECKING PROCEDURE >

< CHECKING METHOD >

< REMEDY >



LED light, but Iron Plate(Heater) does not become hot

Check Iron plate of Heater A : Housing side

Check if resistance value between
lead wires of the Housing side assy is
approx. $20.0 \pm 1.0 \Omega$

N
Replace Heater A ass'y b/k

Check Iron plate of Heater B : Press plate side

Check if resistance value between
lead wires of the Press plate side
assy is approx. $20.0 \pm 1.0 \Omega$

N
Replace Heater B ass'y b/k

Check the Lead Wire

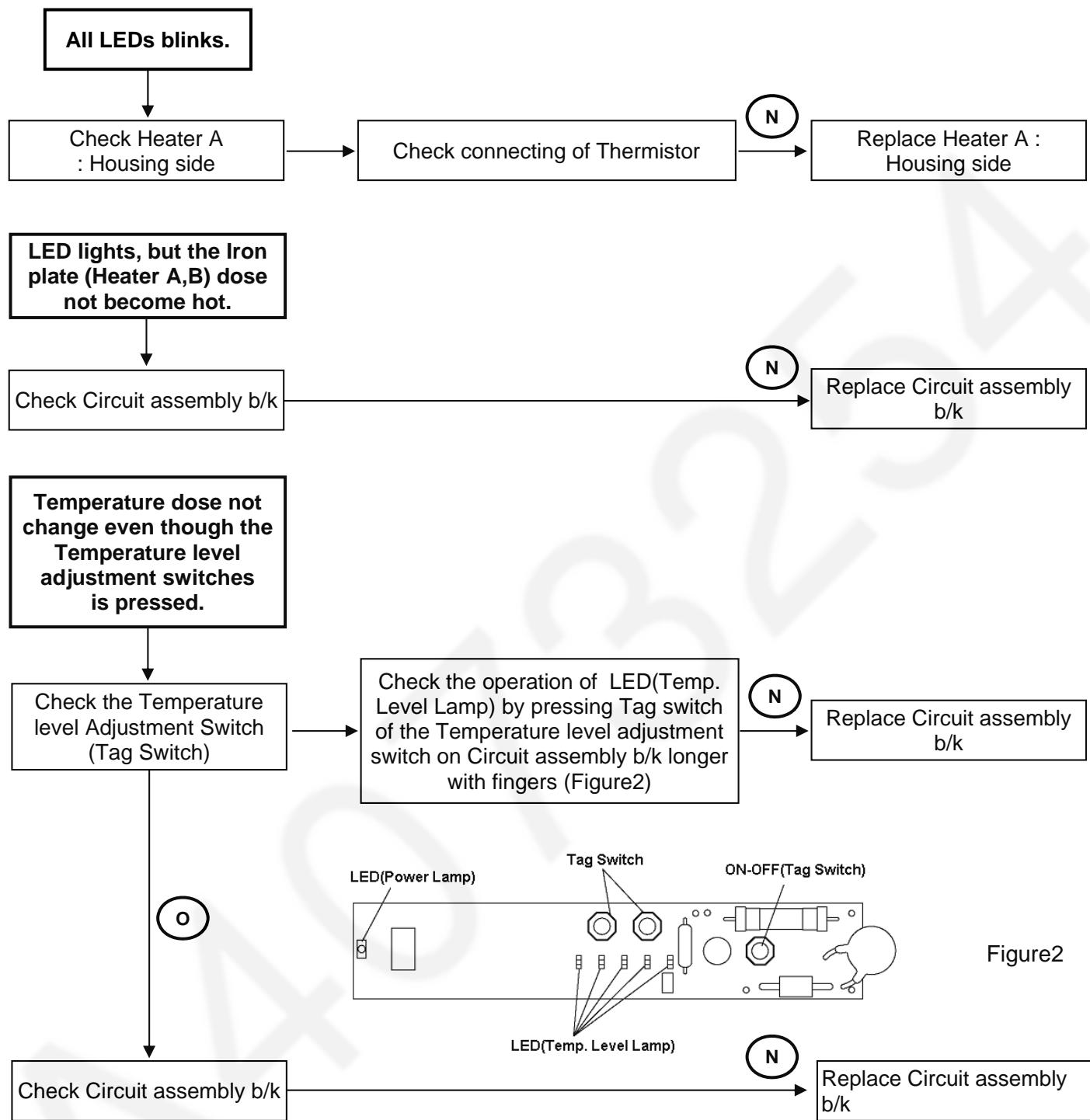
Check connecting of Lead Wire

N
Replace Heater A ass'y b/k
or Heater B ass'y b/k

< CHECKING PROCEDURE >

< CHECKING METHOD >

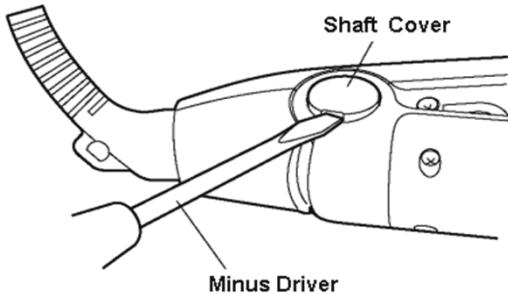
< REMEDY >



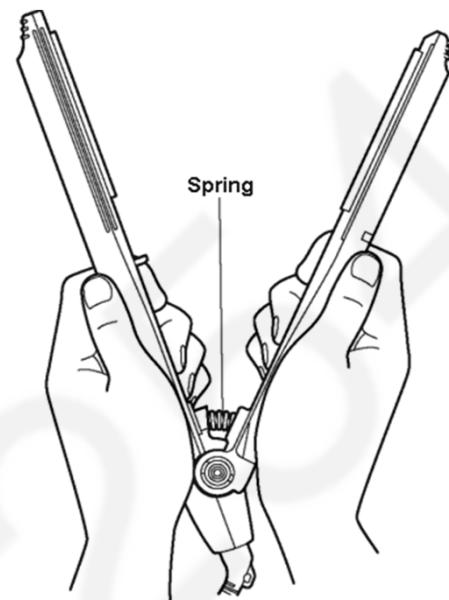
4 Disassembly and Assembly instructions

4.1 Disassembly instruction

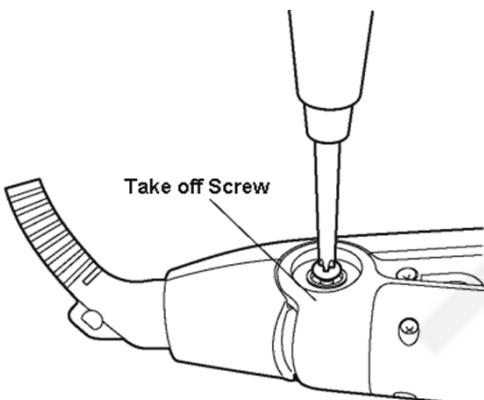
(1) Remove Shaft Cover from Main Body by Slotted screw driver (Minus Driver.)



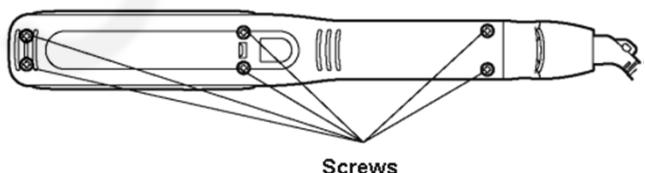
(4) Remove Pivot spring by gripping and pulling it out from the Main body



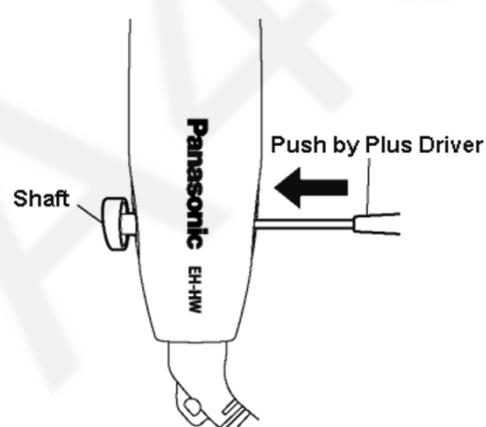
(2) Remove Torx screws at Shaft position. by Phillips screw driver (Plus driver).



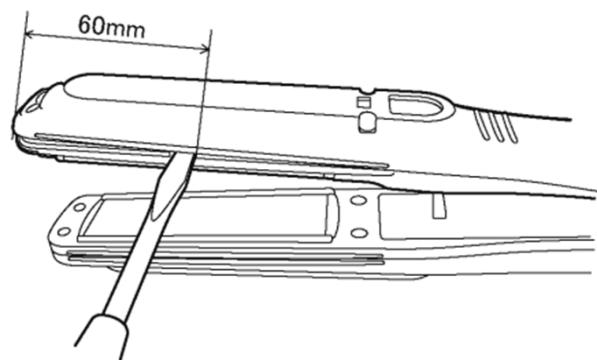
(5) Remove 6 screws for fitting Press Plate side by Phillips screw drivers (Plus Driver).



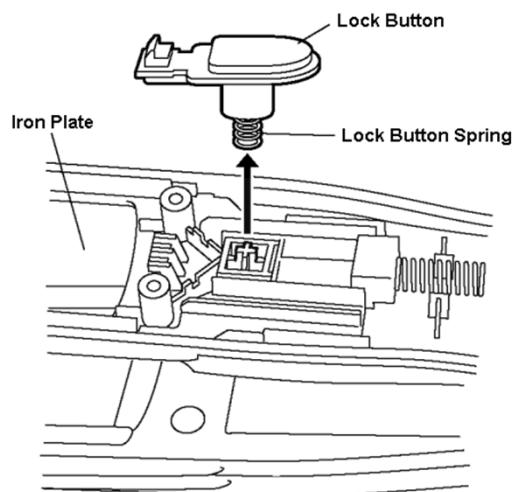
(3) Remove Shaft out by tiny-shaped Phillips screw driver (Plus Driver) and pull it out from the main body.



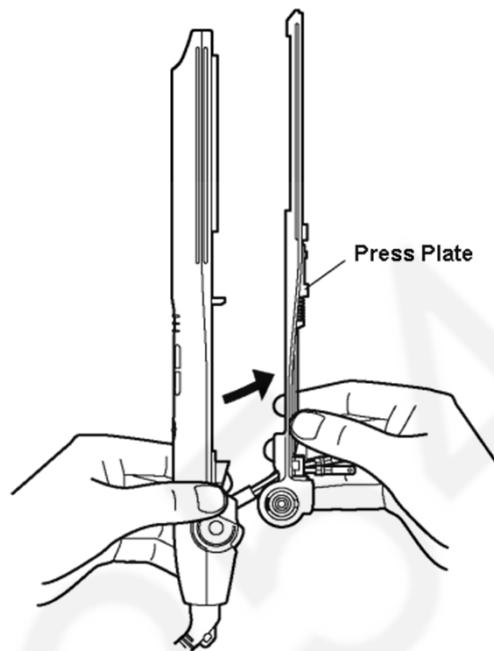
(6) Remove Press Plate Cover at the Hook part by Slotted screw driver (Minus Driver).



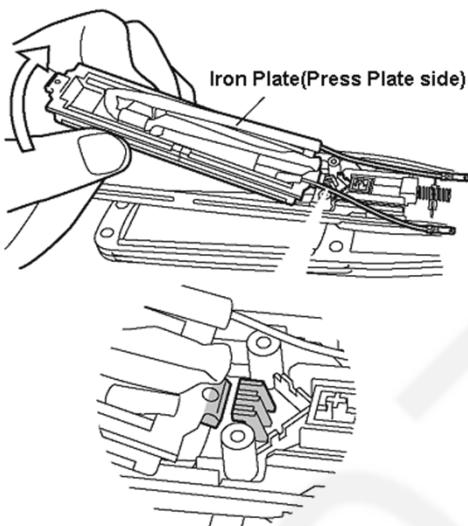
(7) Remove Lock Button and Lock Button Spring.



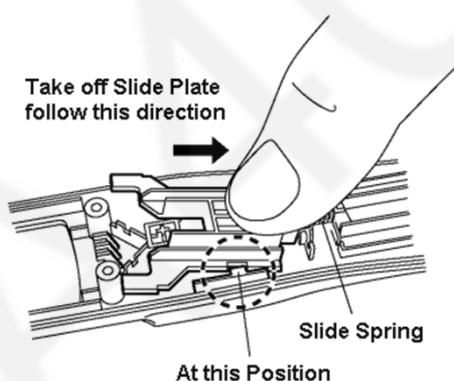
(10) Take off Press Plate.



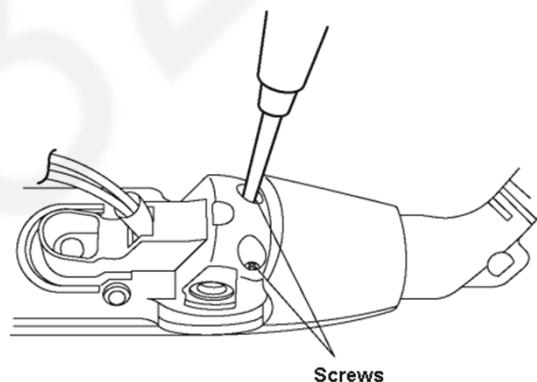
(8) Remove Iron Plate of Heater B from Hook.



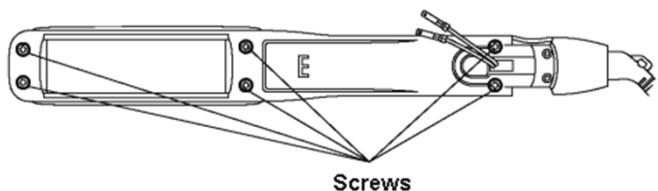
(9) Remove Slide Plate and Slide Spring.



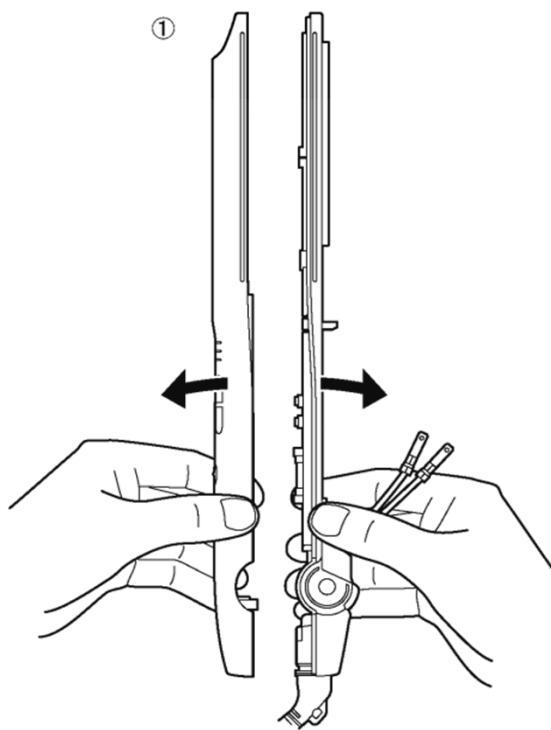
(11) Remove 2 screws of the Housing side by Phillips screw driver (Plus Driver).



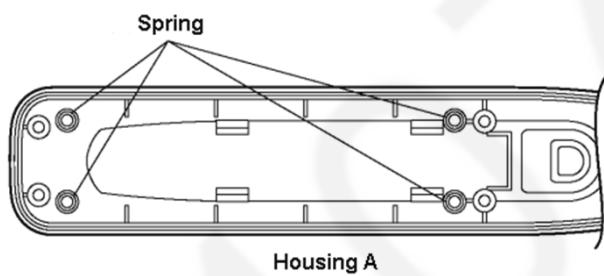
(12) Remove 6 Screws by Phillips screw driver (Plus Driver).



(13) Remove Housing A from Housing B in Grip follow as below drawing.



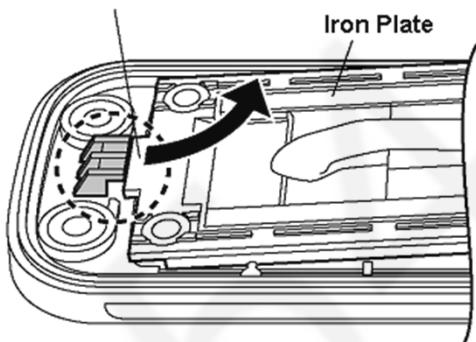
② When Remove Housing A ,
Becaureful 4 Springs disappear.



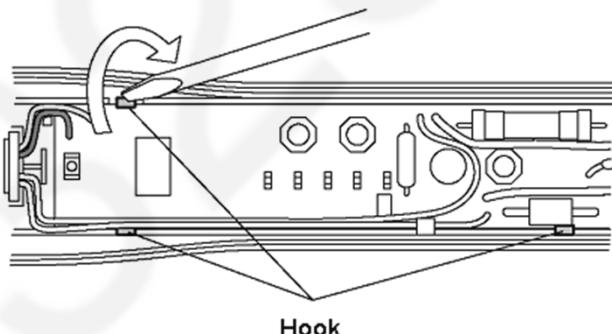
(14) Take off Iron Plate and Circuit assembly b/k from Housing A.

① Take off Iron Plate from Hook of Housing B

Slide and Take off Iron Plate from Hook



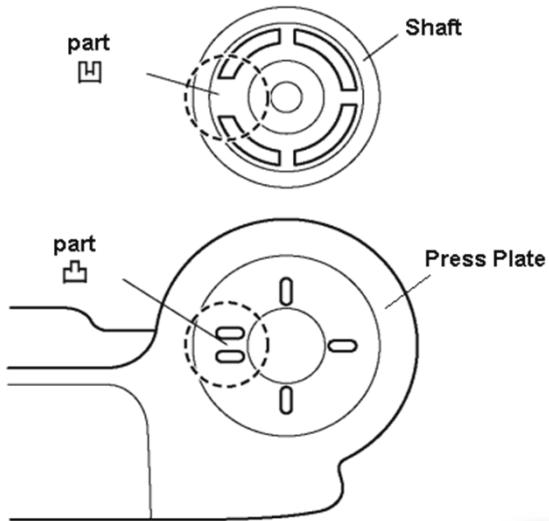
② Take off Circuit by push at Hook of Housing B



4.2 ASSEMBLY instruction

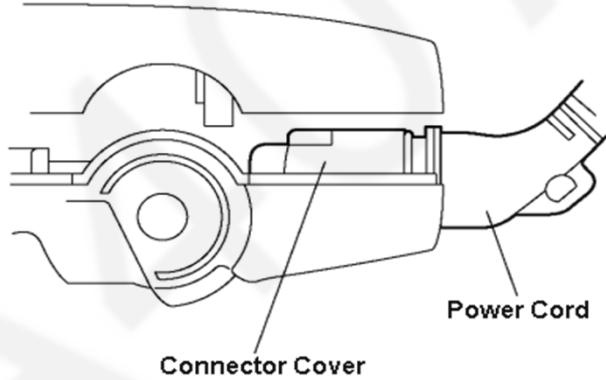
(1) Shaft Cover fixing point.

- Have Control direction.
part  and part  must be same direction.



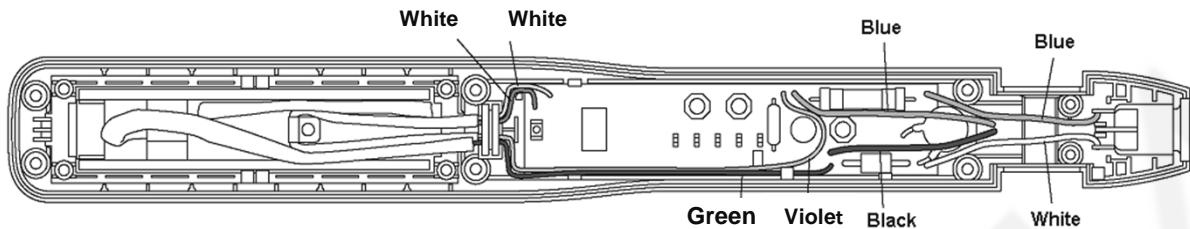
(2) Housing B Assembly Point.

- When insert Power cord must be surely assembly in Connector Cover follow as below.
(Should be apply Foil at Connector of Power Cord)

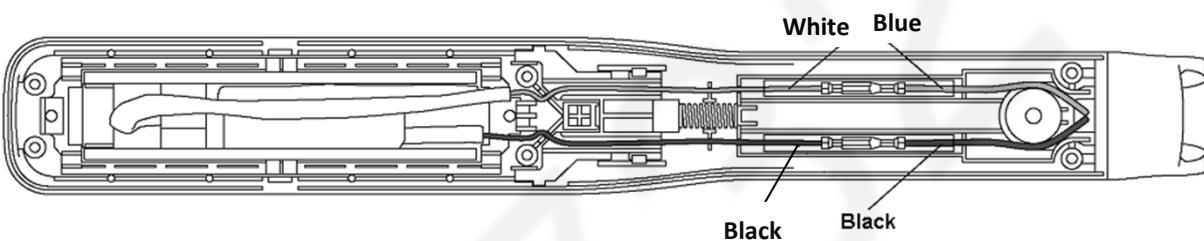


4.3 Lead wire of Iron Plate(Heater A , Heater B) and Circuit arrangement poi

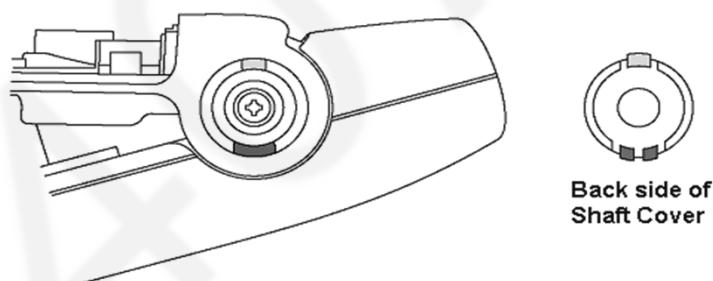
(1) Lead wire of Iron Plate(Heater A assembly b/k) and Circuit assembly b/k arrangement follow as below.



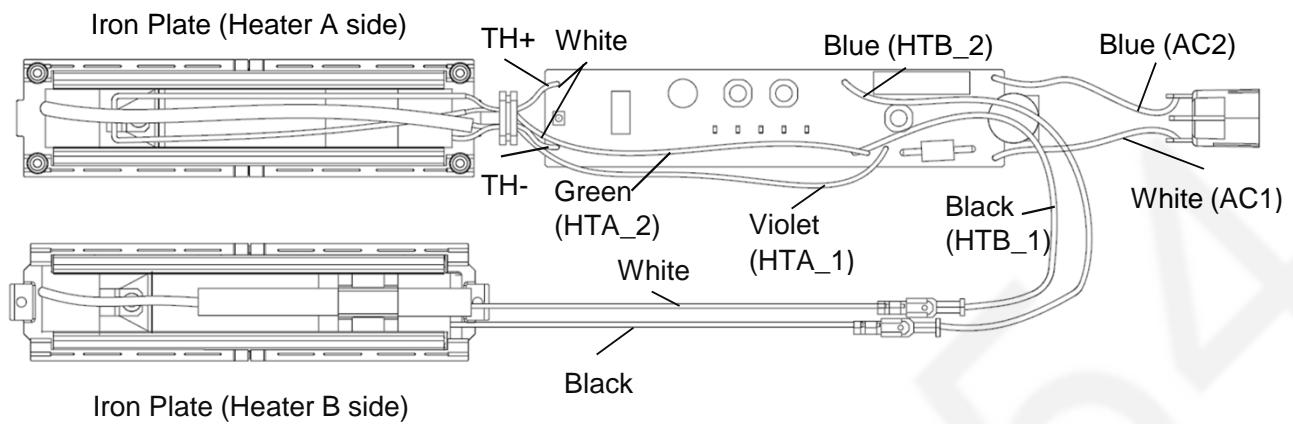
(2) Lead wire of Iron Plate(Heater B assembly b/k) arrangement follow as below.



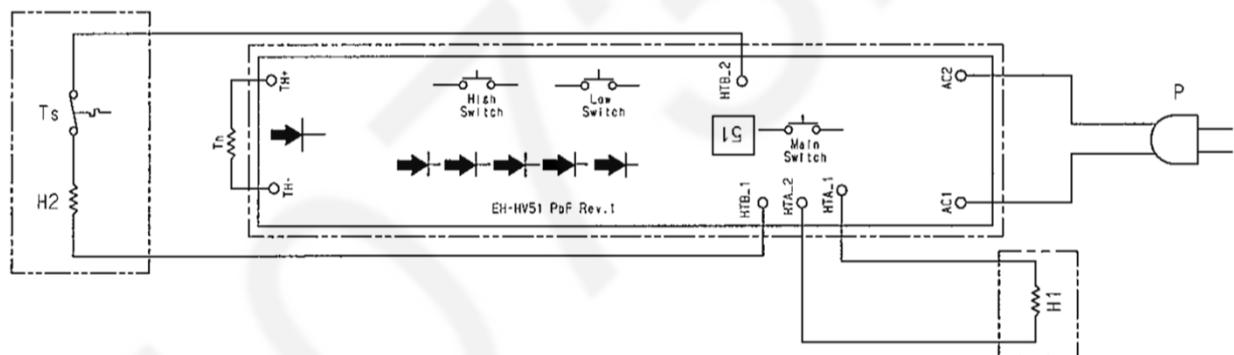
(3) Shaft Cover must be control direction follow as below.



5. WIRING CONNECTION DIAGRAM

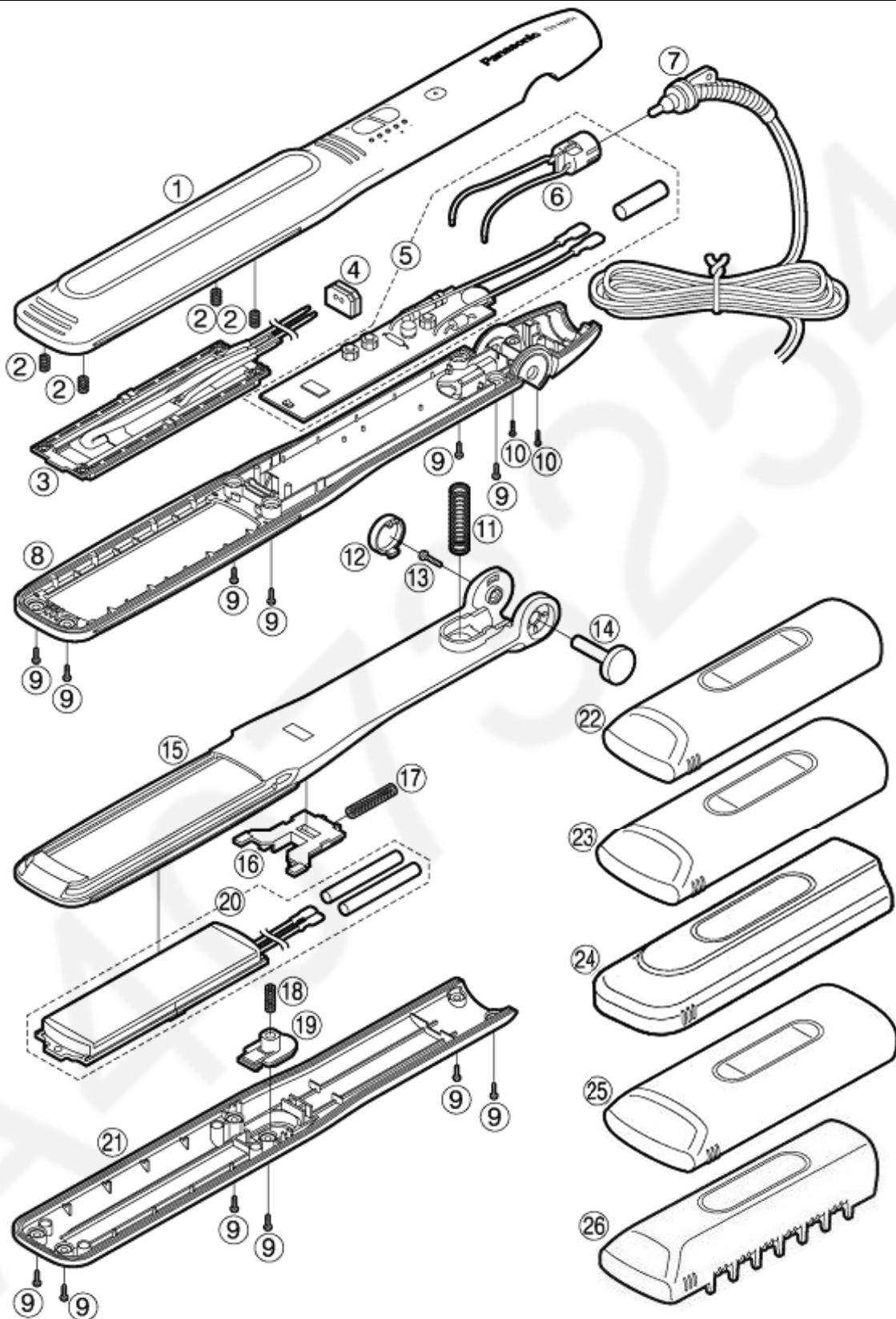


6. SCHEMATIC DIAGRAM



7 EXPLODED VIEW & REPLACEMENT PARTS LIST

7.1 Model No. : EH-HV51 Exploded View



Model No. : EH-HV51 Parts List

Safety	Ref. No.	Part No.	Parts Name & Descriptions	Q'ty	Remarks
	1	EHHV51HSABW	HOUSING A BLOCK (BLACK)	1	
	2	EHHV51FSW	FLOATING SPRING	4	*1
	3	EHHV51HABW	HEATER A ASSEMBLY BLOCK	1	(FOR OTHERS)
	3	EHHV51HAB8W	HEATER A ASSEMBLY BLOCK	1	(FOR RUSSIA, UKRAINE, KAZAKHSTAN)
	4	EHHV51PKW	PACKING	1	
	5	EHHV51CCAW	CIRCUIT ASSEMBLY BLOCK	1	(INCLUDE 1 INSULATION TUBE, CONNECTOR COVER BLOCK)
	6	EHHV51CTBW	CONNECTOR COVER BLOCK	1	
	7	EHHV51PCB2BW	POWER CORD (BLACK)	1	(B2-PLUG)
	7	EHHV51PCS3BW	POWER CORD (BLACK)	1	(S3-PLUG)
	8	EHHV51HS64BW	HOUSING B (BLACK)	1	(FOR VIETNAM)
	8	EHHV51HS41BW	HOUSING B (BLACK)	1	(FOR INDONESIA)
	8	EHHV51HS86BW	HOUSING B (BLACK)	1	(FOR RUSSIA/Ukr./Kaz.)
	8	EHHV51HS69BW	HOUSING B (BLACK)	1	(FOR KUWAIT/QATAR)
	8	EHHV51HSBBW	HOUSING B (BLACK)	1	(FOR OTHERS)
	9	EHHV51T2606W	TAPPING SCREW 2.6*6 (BLACK)	12	*1
	10	EHHV51T2060W	TAPPING SCREW 2.0*6 (BLACK)	2	*1
	11	EHHV51PSSW	PIVOT SPRING (SILVER)	1	
	12	EHHV51SCBW	SHAFT COVER (BLACK)	1	
	13	EHHV51T3012W	TORX SCREW 3.0*12 (BLACK)	1	
	14	EHHV51SHBW	SHAFT (BLACK)	1	
	15	EHHV51PPBW	PRESS PLATE (BLACK)	1	
	16	EHHV51SPBW	SLIDE PLATE (BLACK)	1	
	17	EHHV51SSW	SLIDE SPRING	1	
	18	EHHV51LBSW	LOCK BUTTON SPRING	1	
	19	EHHV51LBBW	LOCK BUTTON (BLACK)	1	
	20	EHHV51HBBW	HEATER B ASSEMBLY BLOCK	1	(FOR OTHERS, INCLUDE 2 INSULATION TUBES)
	20	EHHV51HBB8W	HEATER B ASSEMBLY BLOCK	1	(FOR RUSSIA, UKRAINE, KAZAKHSTAN, INCLUDE 2 INSULATION TUBES)
	21	EHHV51PPC4BW	PRESS PLATE COVER (BLACK)	1	(FOR INDONESIA, INCLUDE 1 ALUMINUM SEAL)
	21	EHHV51PPC3BW	PRESS PLATE COVER (BLACK)	1	(FOR HONG KONG, INCLUDE 1 ALUMINUM SEAL)
	21	EHHV51PPCBW	PRESS PLATE COVER (BLACK)	1	(FOR OTHERS, INCLUDE 1 ALUMINUM SEAL)
	22	EHHV51C26BW	MEDIUM CURL (BLACK)	1	
	23	EHHV51C32BW	LARGE CURL (BLACK)	1	
	24	EHHV51STBW	STRAIGHTENER (BLACK)	1	
	25	EHHV51C38BW	EXTRA LARGE CURL (BLACK)	1	
	26	EHHV51VLBW	VOLUMIZER (BLACK)	1	
-	EHHV51S03UW	OPERATING INSTRUCTIONS	1	(FOR OTHERS)	
-	EHHV5168S03UW	OPERATING INSTRUCTIONS	1	(FOR OMAN/UAE/SAUDI ARABIA/QATAR/KUWAIT)	
-	EHHV5186S03W	OPERATING INSTRUCTIONS	1	(FOR RUSSIA, UKRAINE, KAZAKHSTAN)	
-	EHHV51S415KW	INDIVIDUAL PACKING	1	(EH-HV51-K415 : INDONESIA)	
-	EHHV51S685KW	INDIVIDUAL PACKING	1	(EH-HV51-K615/K685 : OMAN/UAE/SAUDI ARABIA)	
-	EHHV51S01KW	INDIVIDUAL PACKING	1	(EH-HV51-K645 : VIETNAM)	
-	EHHV51S655KW	INDIVIDUAL PACKING	1	(EH-HV51-K655 : MALAYSIA)	
-	EHHV51S605KW	INDIVIDUAL PACKING	1	(EH-HV51-K605 : HONG KONG/SINGAPORE)	
-	EHHV51S695KW	INDIVIDUAL PACKING	1	(EH-HV51-K695 : KUWAIT / QATAR)	
-	EHHV51S865KW	INDIVIDUAL PACKING	1	(EH-HV51-K865 : RUSSIA, UKRAINE, KAZAKHSTAN)	
-	EHHV51S09W	PULP FILLER	1		

Remarks : *1 Individual Available