

Service Manual

(Household) Hair Straightener



Model No. EH-HS41

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 **⚠** 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. 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-HS41
Sales Area		Asia
Power source / Power consumption		AC 100-130V ~ 50-60Hz 55W AC 220-240V ~ 50-60Hz 55W
Iron Plate temperature		140-160-180-200-230°C (5 level settings)
Body size (mm.)		287x42x45
Weight	S3 Plug(SF629)	435 g
	B2 Plug(SF82)	378 g
	B2 Plug (SF822)	380 g
Cord length	S3(SF629) Plug	2.0 m
	B2(SF82) Plug	2.0 m
	B2(SF822) Plug	2.0 m

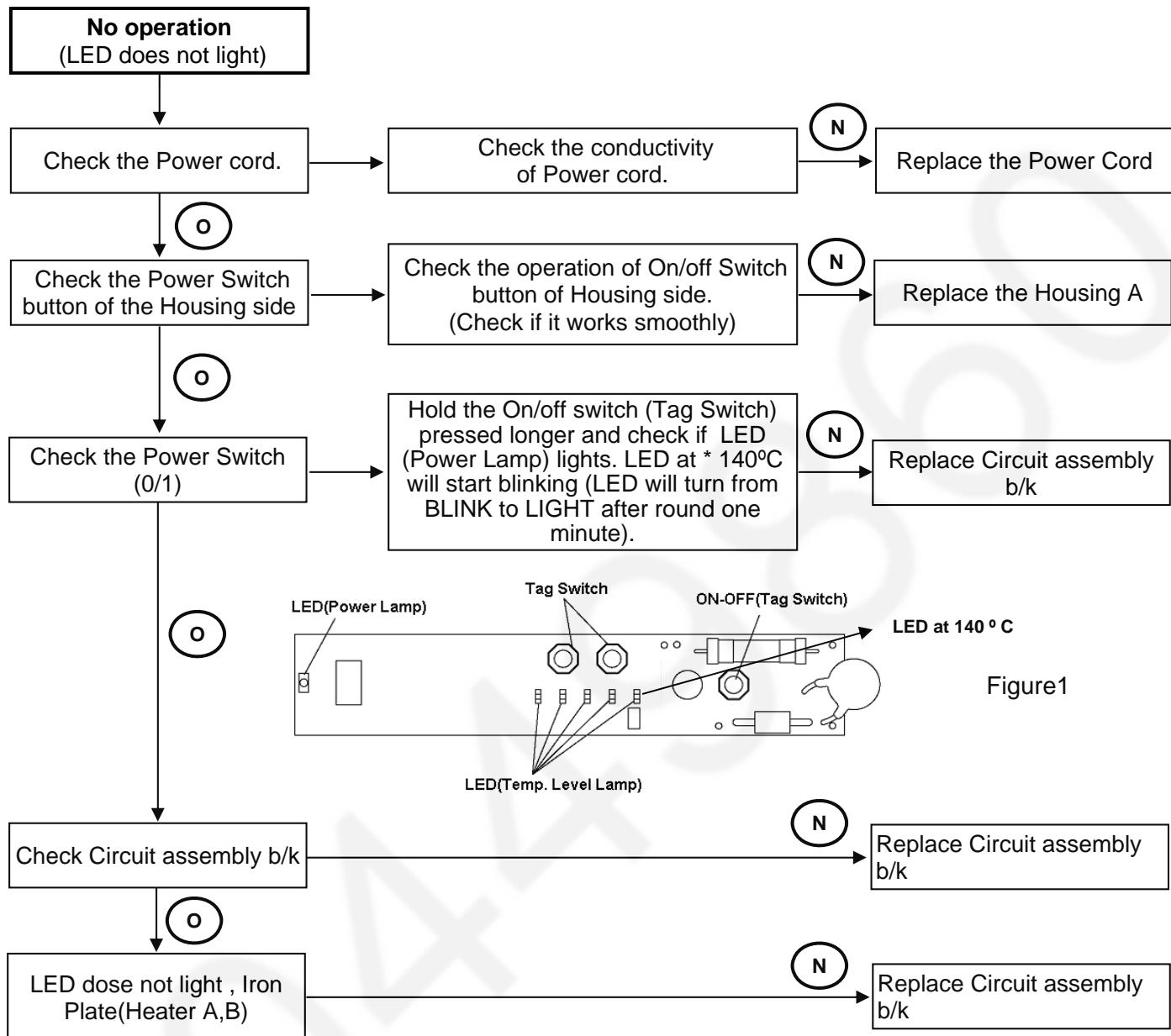
3. TROUBLESHOOTING GUIDE

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

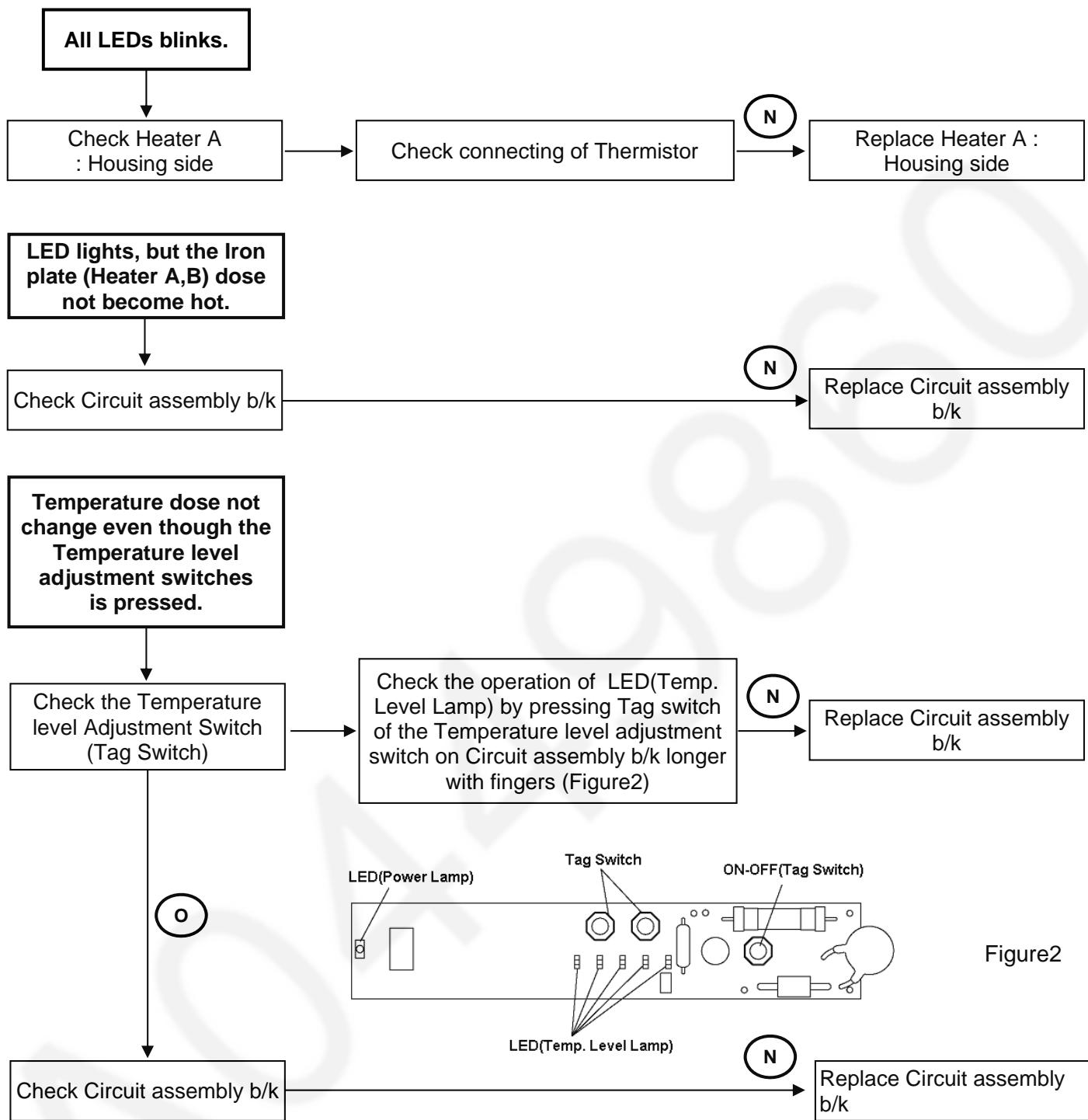
Check connecting of Lead Wire

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

< CHECKING PROCEDURE >

< CHECKING METHOD >

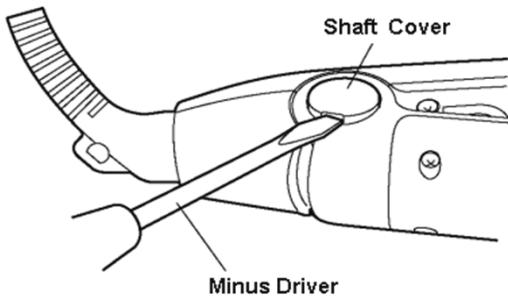
< REMEDY >



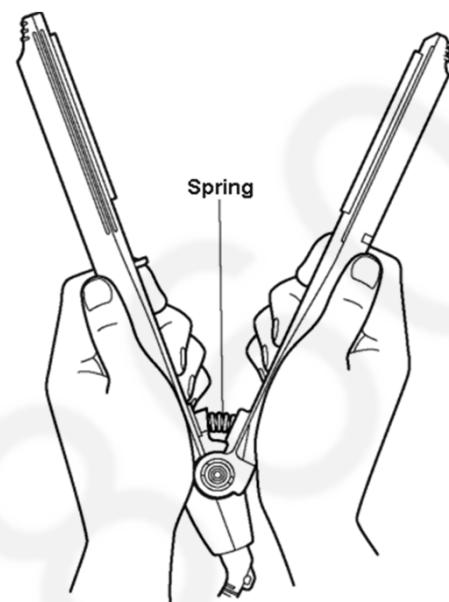
4 Disassembly and Assembly instructions

4.1 Disassembly instruction

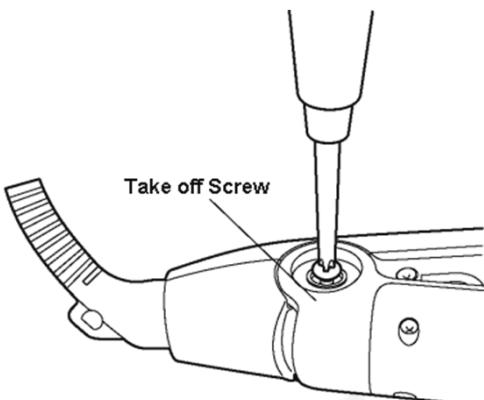
(1) Remove Shaft Cover from Main Body by Slotted screw driver (Minus Driver.)



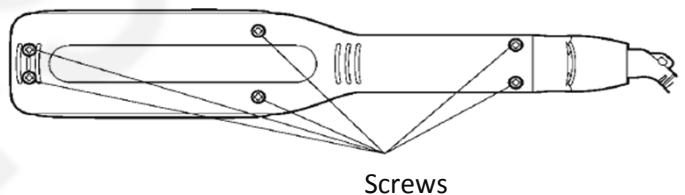
(4) Remove Pivot spring by gripping and pulling it out from the Main body



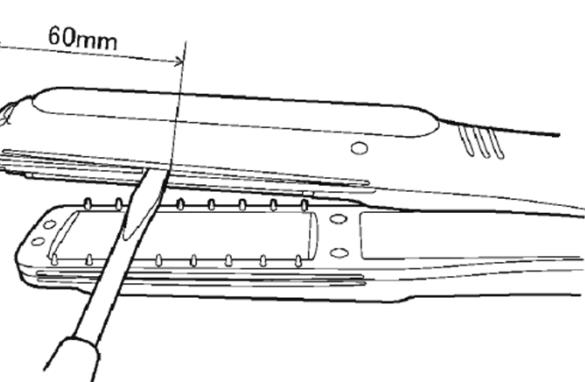
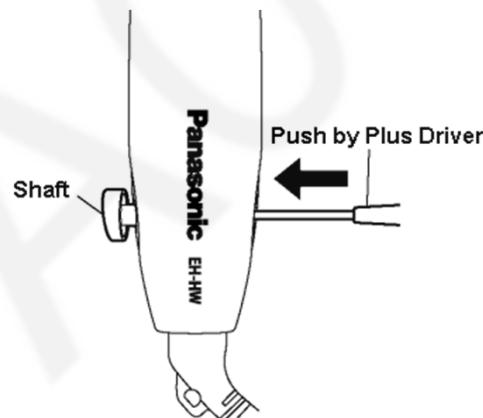
(2) Remove Torx screws at Shaft position. by Phillips screw driver (Plus driver).



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

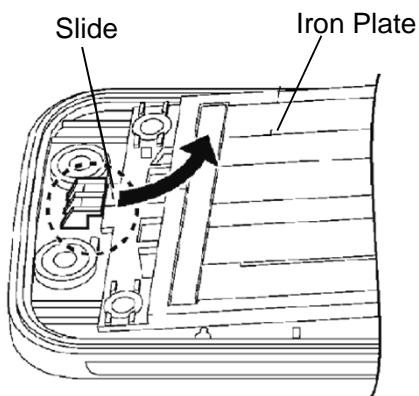


(3) Remove Shaft out by tiny-shaped Phillips screw driver (Plus Driver) and pull it out from the main body.

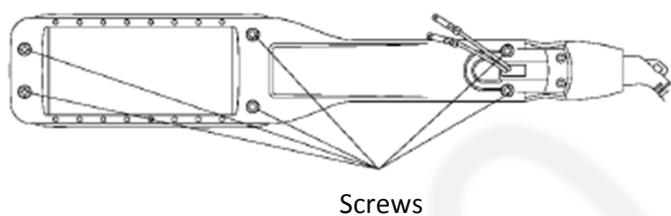


(6) Remove Press Plate Cover at the Hook part by Slotted screw driver (Minus Driver).

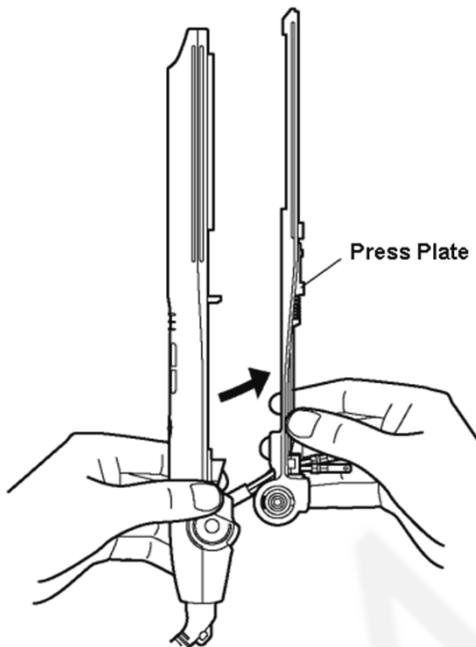
(7) Take off Iron Plate from Hook of Press Plate by slide.



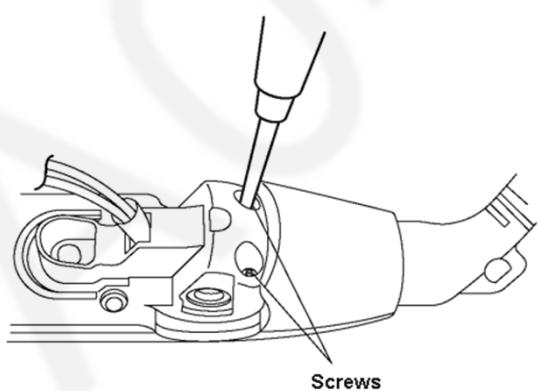
(10) Remove 6 Screws by Phillips screw driver (Plus Driver).



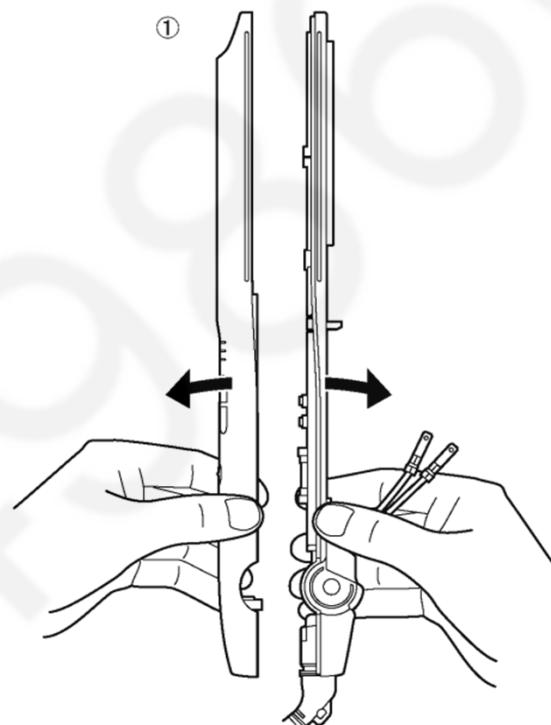
(8) Take off Press Plate



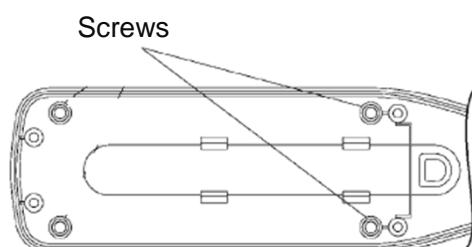
(9) Remove 2 screws of the Housing side by Phillips screw driver (Plus Driver).



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



② When Remove Housing A,
Be careful 2 springs disappear.

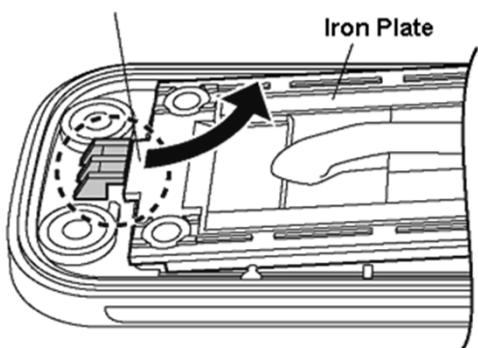


Housing A

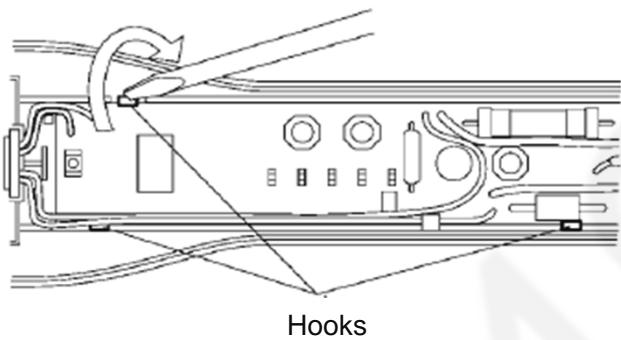
(12) Take off Iron Plate and Circuit assembly b/k from Housing B.

① Take off Iron Plate from Hook of Housing B by slide.

Slide and Take off Iron Plate from Hook



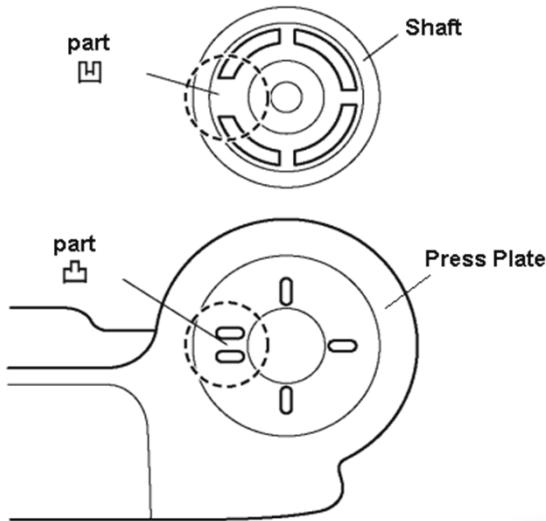
② Take off Circuit by push at Hook of Housing B



4.2 ASSEMBLY instruction

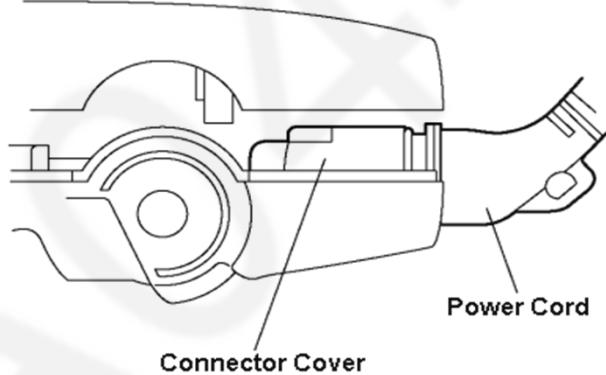
(1) Shaft Cover fixing point.

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



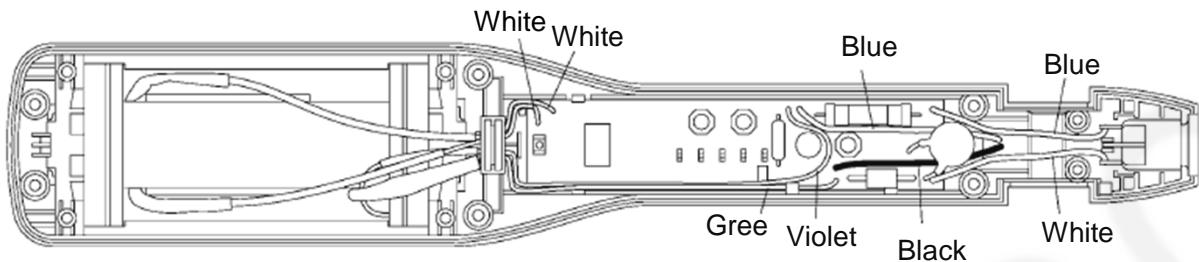
(2) Housing B Assembly Point.

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

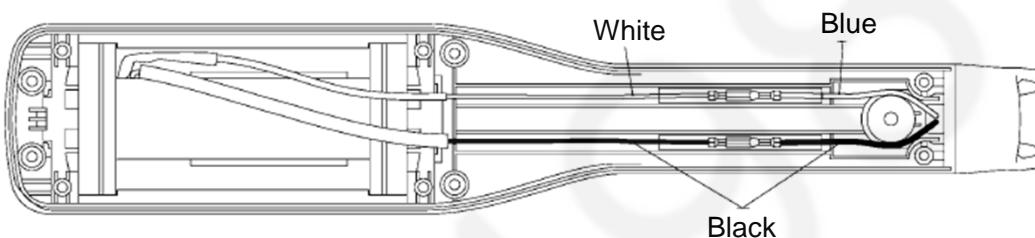


4.3 Lead wire of Iron Plate(Heater A , Heater B) and Circuit arrangement poi

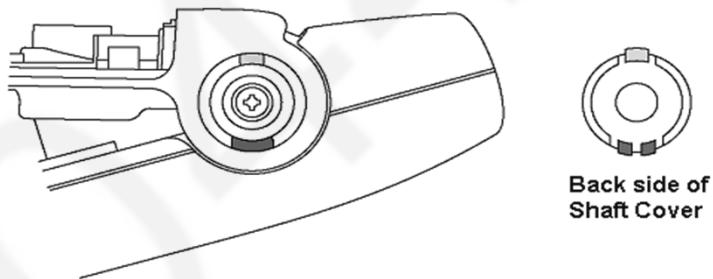
(1) Lead wire of Iron Plate(Heater A assembly b/k) and Circuit assembly b/k arrangement follow as below.



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

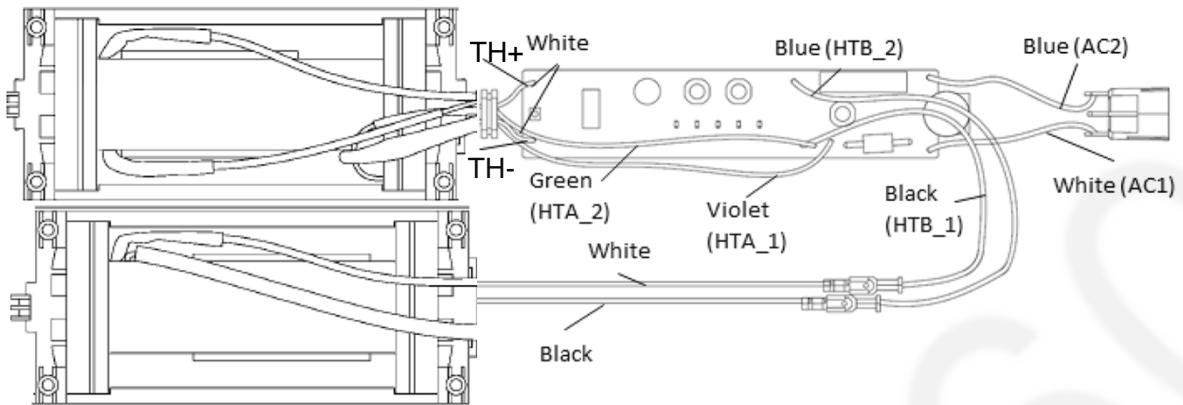


(3) Shaft Cover must be control direction follow as below.



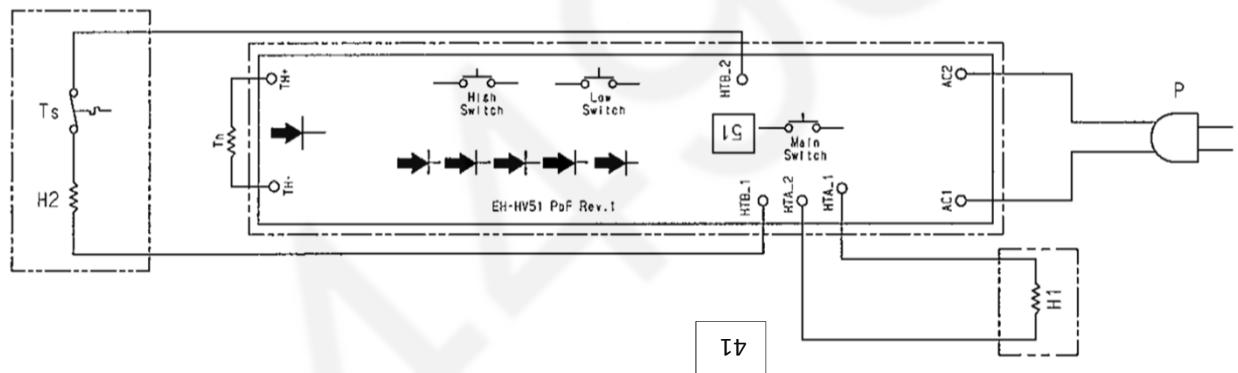
5. WIRING CONNECTION DIAGRAM

Iron Plate (Heater A side)



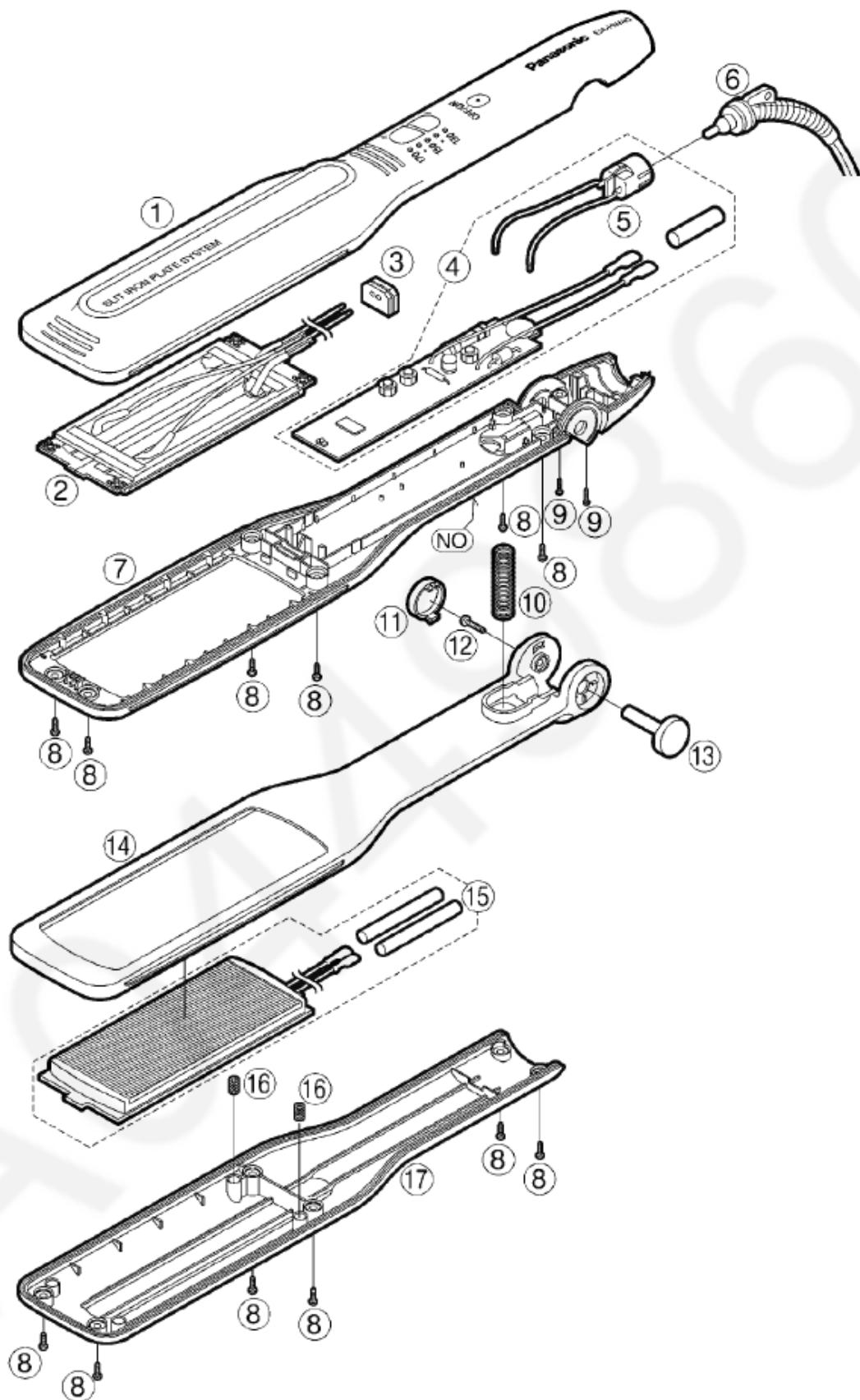
Iron Plate (Heater B side)

6. SCHEMATIC DIAGRAM



7 EXPLODED VIEW & REPLACEMENT PARTS LIST

7.1 Model No. : EH-HS41 Exploded View



Model No. : EH-HS41 Parts List

Safety	Ref. No.	Part No.	Parts Name & Descriptions	Q'ty	Remarks
	1	EHHS41HSABW	HOUSING A BLOCK (BLACK)	1	
	2	EHHS41HABW	HEATER A ASSEMBLY BLOCK	1	(FOR OTHERS)
	2	EHHS41HAB8W	HEATER A ASSEMBLY BLOCK		(FOR RUSSIA,UKRAINE,KAZAKHSTAN)
	3	EHHS41PKW	PACKING	1	
	4	EHHS41CCAW	CIRCUIT ASSEMBLY BLOCK	1	(INCLUDE 1 INSULATION TUBE, CONNECTOR COVER BLO
	5	EHHS41CTBW	CONNECTOR COVER BLOCK	1	
	6	EHHS41PCB2BW	POWER CORD (BLACK)	1	(B2-PLUG)
	6	EHHS41PCS3BW	POWER CORD (BLACK)	1	(S3-PLUG)
	7	EHHS41HS86BW	HOUSING B (BLACK)	1	(FOR RUSSIA,UKRAINE,KAZAKHSTAN)
	7	EHHS41HS69BW	HOUSING B (BLACK)	1	(FOR KUWAIT / QATAR)
	7	EHHS41HSBBW	HOUSING B (BLACK)	1	(FOR OTHERS)
	8	EHHS41T2606W	TAPPING SCREW 2.6*6 (BLACK)	12	*1
	9	EHHS41T2060W	TAPPING SCREW 2.0*6 (BLACK)	2	*1
	10	EHHS41PSSW	PIVOT SPRING (SILVER)	1	
	11	EHHS41SCBW	SHAFT COVER (BLACK)	1	
	12	EHHS41T3012W	TORX SCREW 3.0*12 (BLACK)	1	
	13	EHHS41SHBW	SHAFT (BLACK)	1	
	14	EHHS41PPBW	PRESS PLATE (BLACK)	1	
	15	EHHS41HBBW	HEATER B ASSEMBLY BLOCK	1	(FOR OTHERS) (INCLUDE 2 INSULATION TUBES)
	15	EHHS41HBB8W	HEATER B ASSEMBLY BLOCK	1	(FOR RUSSIA,UKRAINE,KAZAKHSTAN)
	16	EHHS41FSW	FLOATING SPRING	2	*1
	17	EHHS41PPCBW	PRESS PLATE COVER (BLACK)	1	(FOR OTHERS)
	17	EHHS41PPCB3W	PRESS PLATE COVER (BLACK)	1	(FOR SINGAPORE/HONG KONG)
-	EHHS41S03UW	OPERATING INSTRUCTIONS		1	(FOR OTHERS)
-	EHHS4186503W	OPERATING INSTRUCTIONS		1	(FOR RUSSIA,UKRAINE,KAZAKHSTAN)
-	EHHS41S01KW	INDIVIDUAL PACKAGE		1	(EH-HS41-K605 : SINGAPORE/HONG KONG)
-	EHHS41S615KW	INDIVIDUAL PACKAGE		1	(EH-HS41-K615/-K685 : OMAN/UAE/SAUDI ARABIA)
-	EHHS41S695KW	INDIVIDUAL PACKAGE		1	(EH-HS41-K695 : KUWAIT/QATAR)
-	EHHS41S865KW	INDIVIDUAL PACKAGE		1	(EH-HS41-K865 : RUSSIA,UKRAINE,KAZAKHSTAN)

Remarks : *1 Individual Available