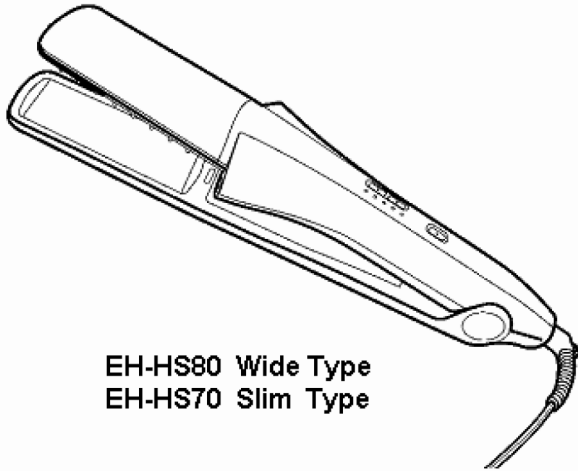


Service Manual

Platinum Minus Ion Hair Straightener

Model No. **EH-HS70**
EH-HS80

Asia
Middle East



EH-HS80 Wide Type
EH-HS70 Slim Type

⚠ 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.

TABLE OF CONTENTS

	PAGE	PAGE
1 Warning.....	2	
2 Specifications	2	
3 Troubleshooting Guide.....	3	
4 Disassembly and Assembly Instructions	5	
5 Wiring Connection Diagram	10	
6 Schematic Diagram.....	11	
7 Exploded View and Replacement Parts List	12	

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

Model	EH-HS70	EH-HS80	
Power source/Power consumption	AC 220-240V 50-60 Hz		
	39W(Max 350W)	48W(Max 350W)	
Iron Plate Temperature	130 - 170 °C (5 Level adjustable)		
Cord length	S3,B2 Plug 2.0 m		
Weight	B2	406 g	426 g
	S3	469 g	488 g

3 Troubleshooting Guide

(Refer to Wiring Connection Diagram)

< CHECKING PROCEDURE >

< CHECKING METHOD >

< REMEDY >

No operation.
LED doesn't light.
Iron plate does not become hot.

Check Power cord.

Check the conductivity of Power cord.

NG

Replace Power Cord.

OK

Check the Power switch button of the Grip case.

Check the operation of On/off switch button of Grip case. (Check if it works smoothly).

NG

Replace Grip case.

OK

Check the Power Switch(0/1)

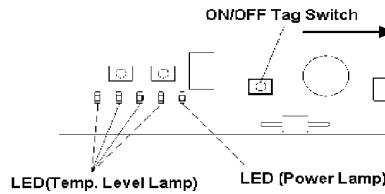
Hold the On/off switch (Tag switch) pressed longer and check if LED (Power lamp) lights. LED (power lamp) will turn BLINK to LIGHT after around one minute).

NG

Replace HV Circuit Board assy b/k.

OK

Check HV Circuit Board assy b/k.



NG

Replace HV Circuit Board ass b/k.

LED doesn't light
Iron plate(heater and press plate) does not become hot.
Ion is emitted.

NG

Replace HV Circuit Board assy b/k.

Iron Plate (press plate) does not become hot but LED lights.
Ion is emitted.

OK

Check Press plate heater assy b/k.

Check if resistance value between black-purple lead wires of Grip side assy is approx. 100~350 Ω.

NG

Replace Press plate heater assy b/k.

Iron Plate (Heater assembly block) does not become hot but LED lights.
Ion is emitted.

OK

Check Heater assy b/k.

Check if resistance value between black-purple lead wires of Press plate assy is approx. 100~350 Ω.

NG

Replace Heater assy b/k.

All LEDs blink.

Check Iron block of Heater A assembly b/k. Grip side .

Check connecting of Thermistor

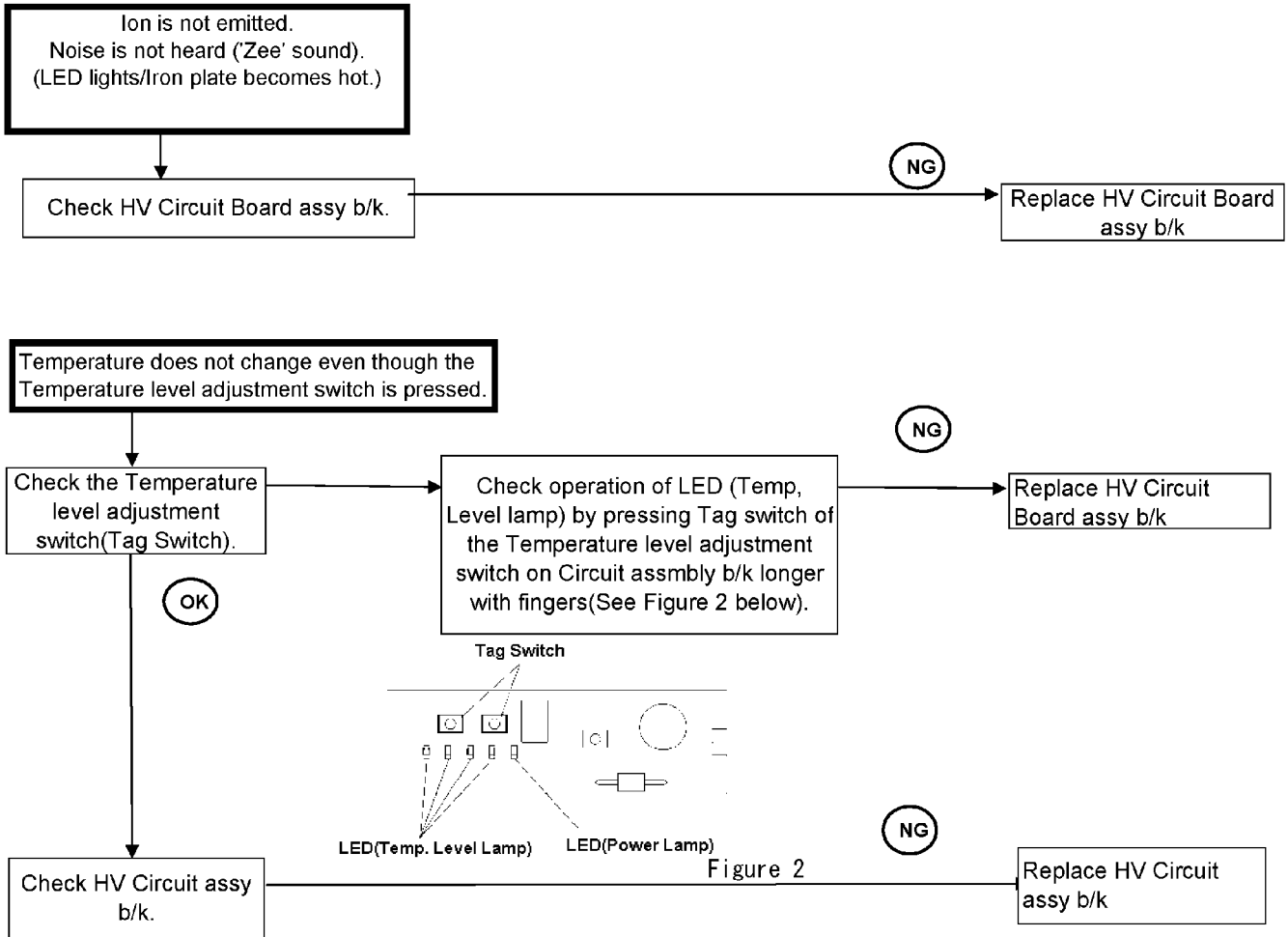
NG

Replace Heater A: Grip side .

< CHECKING PROCEDURE

< CHECKING METHOD >

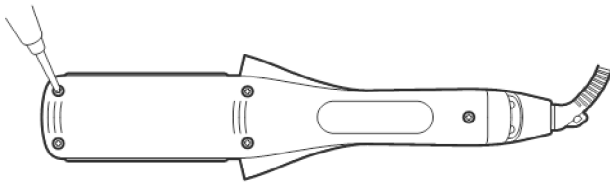
< REMEDY



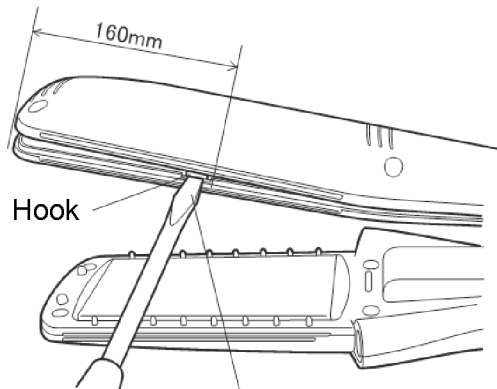
4 Disassembly and Assembly Instructions

4.1. Disassembly Instructions

1. Remove 5 Screws at Press Plate Cover by Phillips screwdriver (Plus Driver).

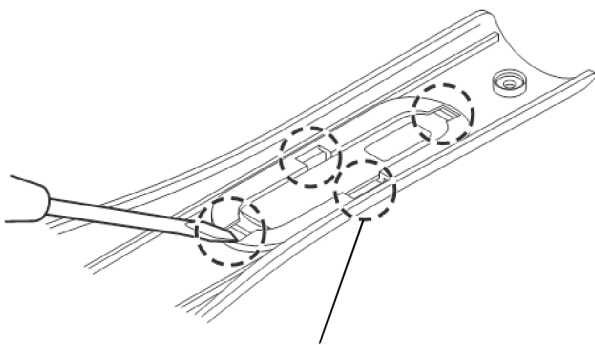


2. Remove Press Plate Cover by Slotted screwdriver (Minus Driver). Remove it from around hook, as seen in Figure below.



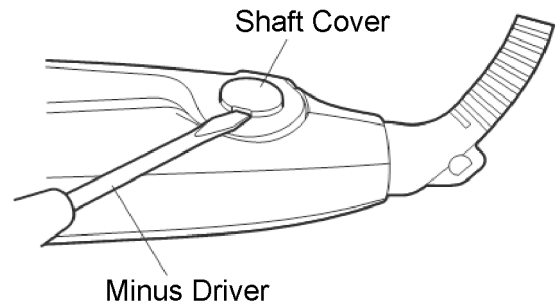
Remove Case pushing Hook lightly by Slotted screwdriver (Minus driver).

3. Remove Electrification Board assy by Slotted screwdriver (Minus Driver).

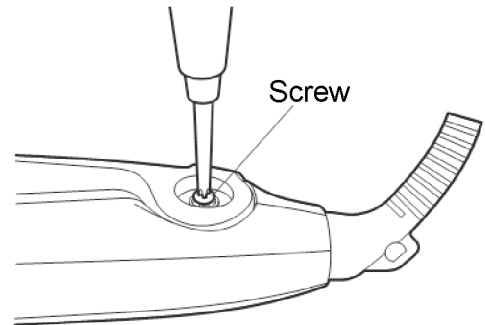


Remove Electrification Board from 4 hooks by Slotted screwdriver (Minus driver).

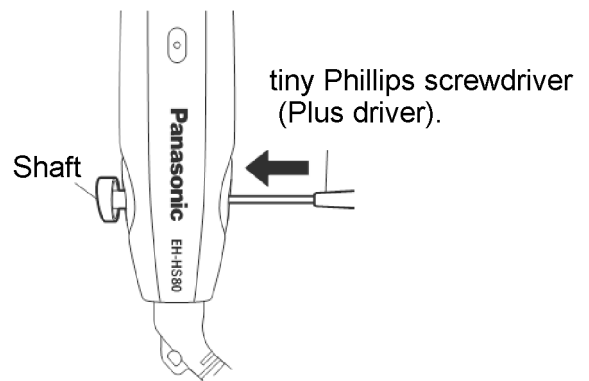
4. Take off Shaft Cover by Slotted screwdriver (Minus Driver).



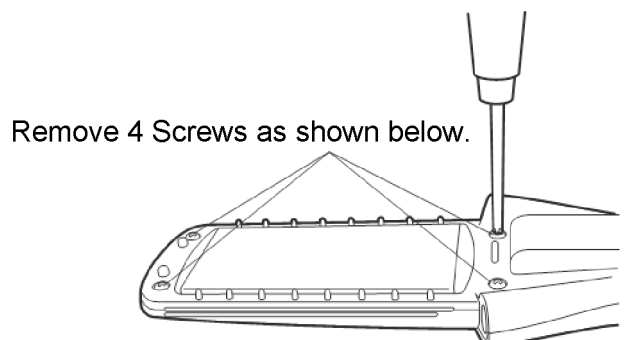
5. Remove screws at Shaft by Phillips screwdriver (Plus Driver).



6. Push out and remove Shaft by tiny Phillips screwdriver (Plus Driver).

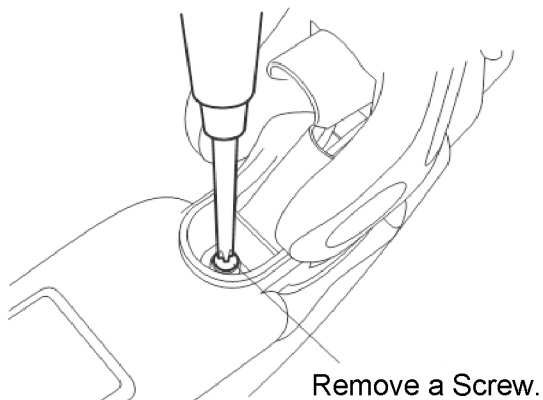


7. Remove 4 Screws of Heater Side by Phillips screwdriver (Plus Driver).

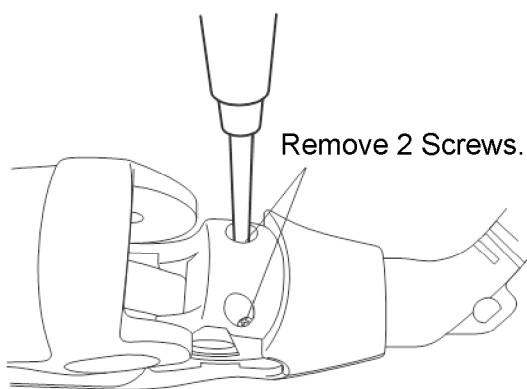


Remove 4 Screws as shown below.

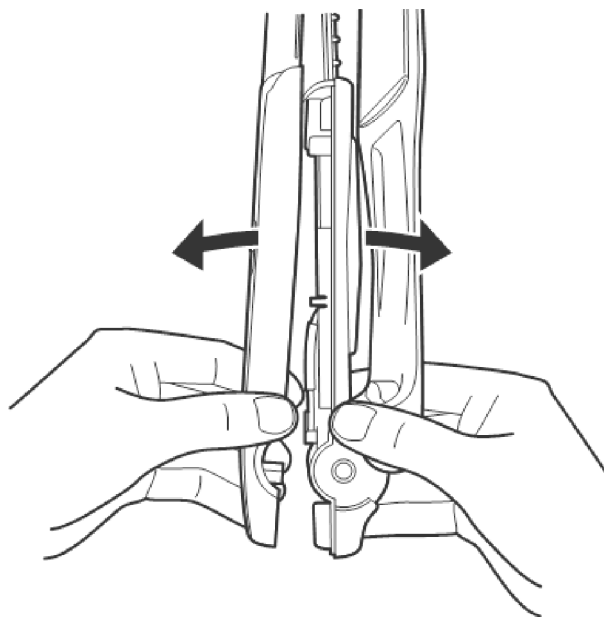
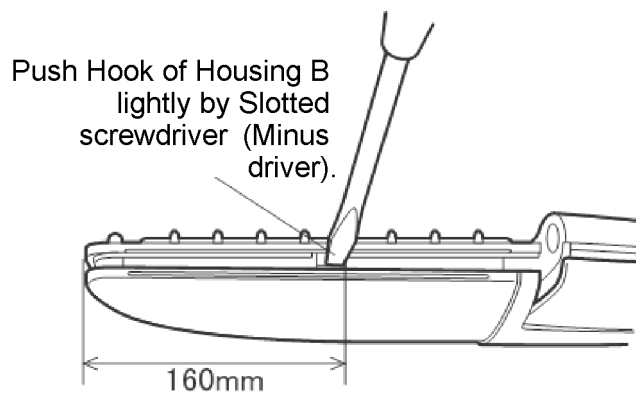
8. Remove 1 Screw at Housing B by Phillips screwdriver (Plus Driver).



9. Remove 2 Screws at Housing B by Phillips screwdriver (Plus Driver).

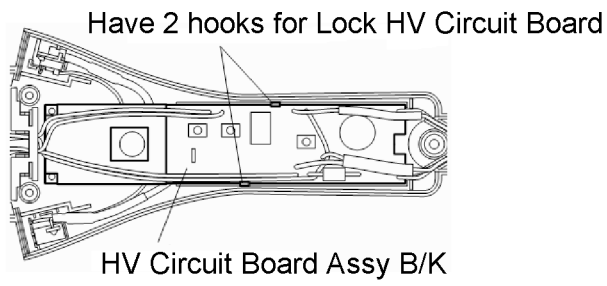


10. Take off Housing A and Housing B as follows below.

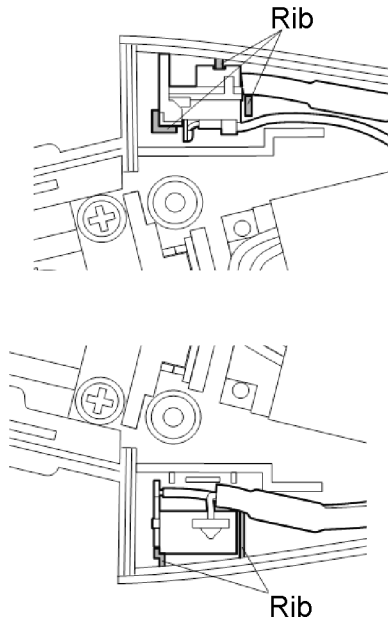


4.2. Assembly and Disassembly Points

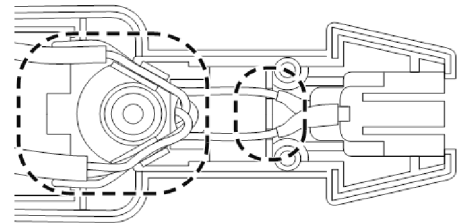
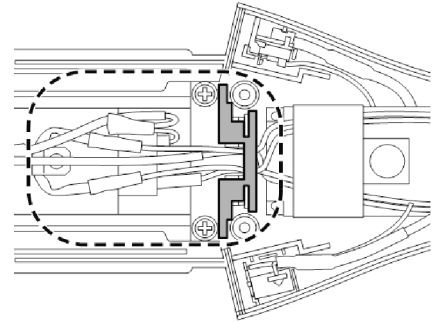
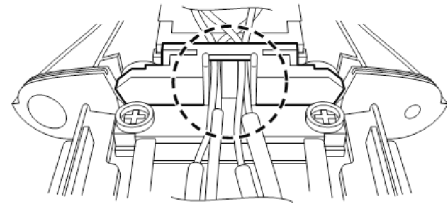
1. HV Circuit Board Assembly Point.





2. Platinum negative Ion b/k Assembly Point.

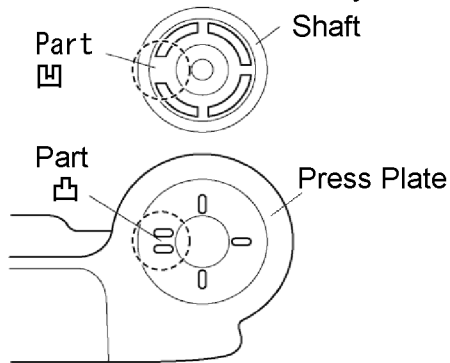


3. Lead Wire Arrange Points.

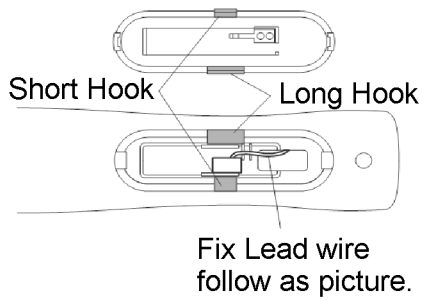


4. Shaft Cover fixing point.

- There is a control direction. Inlay  :convex into  : cavity as below.

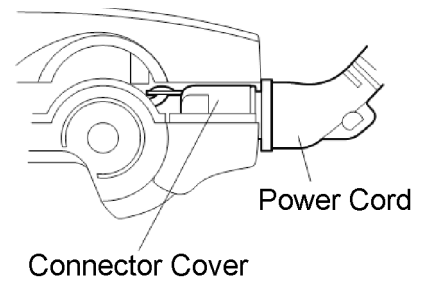


5. Points of Ion charge panel assembly and Installment of Charging wire.

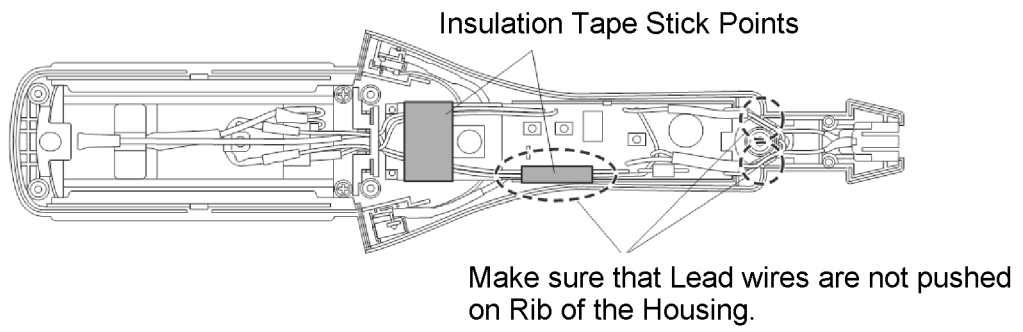


6. Housing B assembly point

Fit up the Case after making sure that the Power cord is connected to the Connector cover

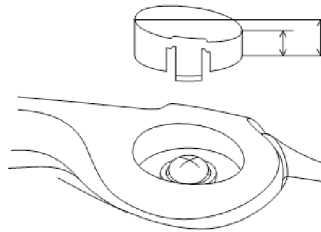


7. The sticking point for a insulation tape.

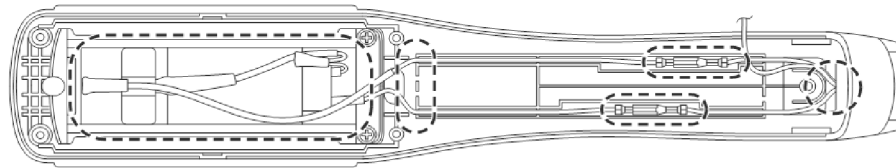


8. Shaft Cover Has a Direction, as below.

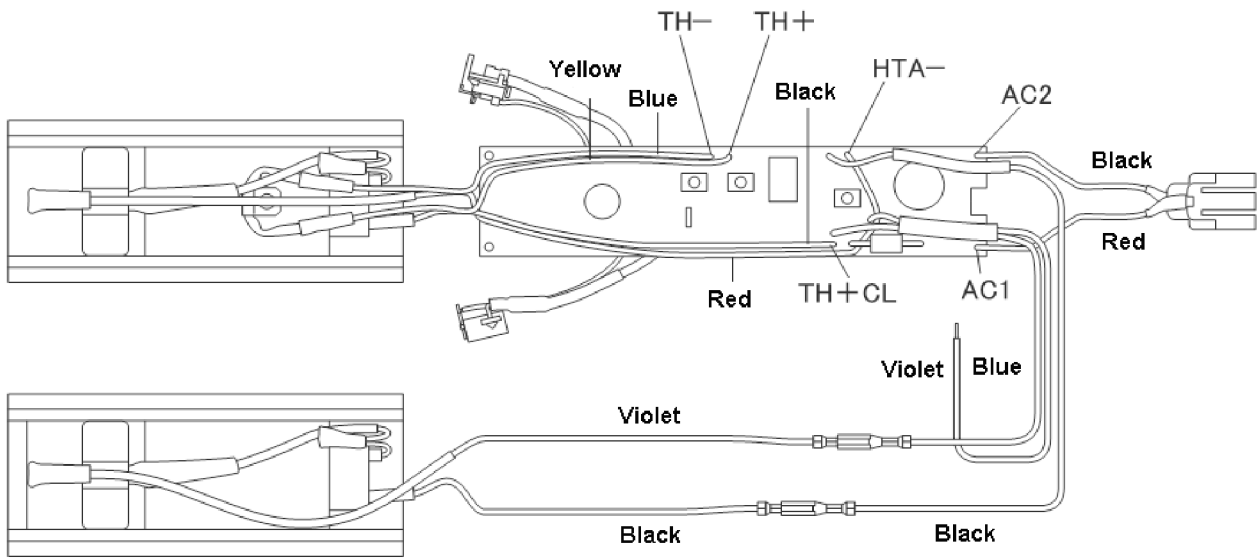
Control direction of Shaft Cover



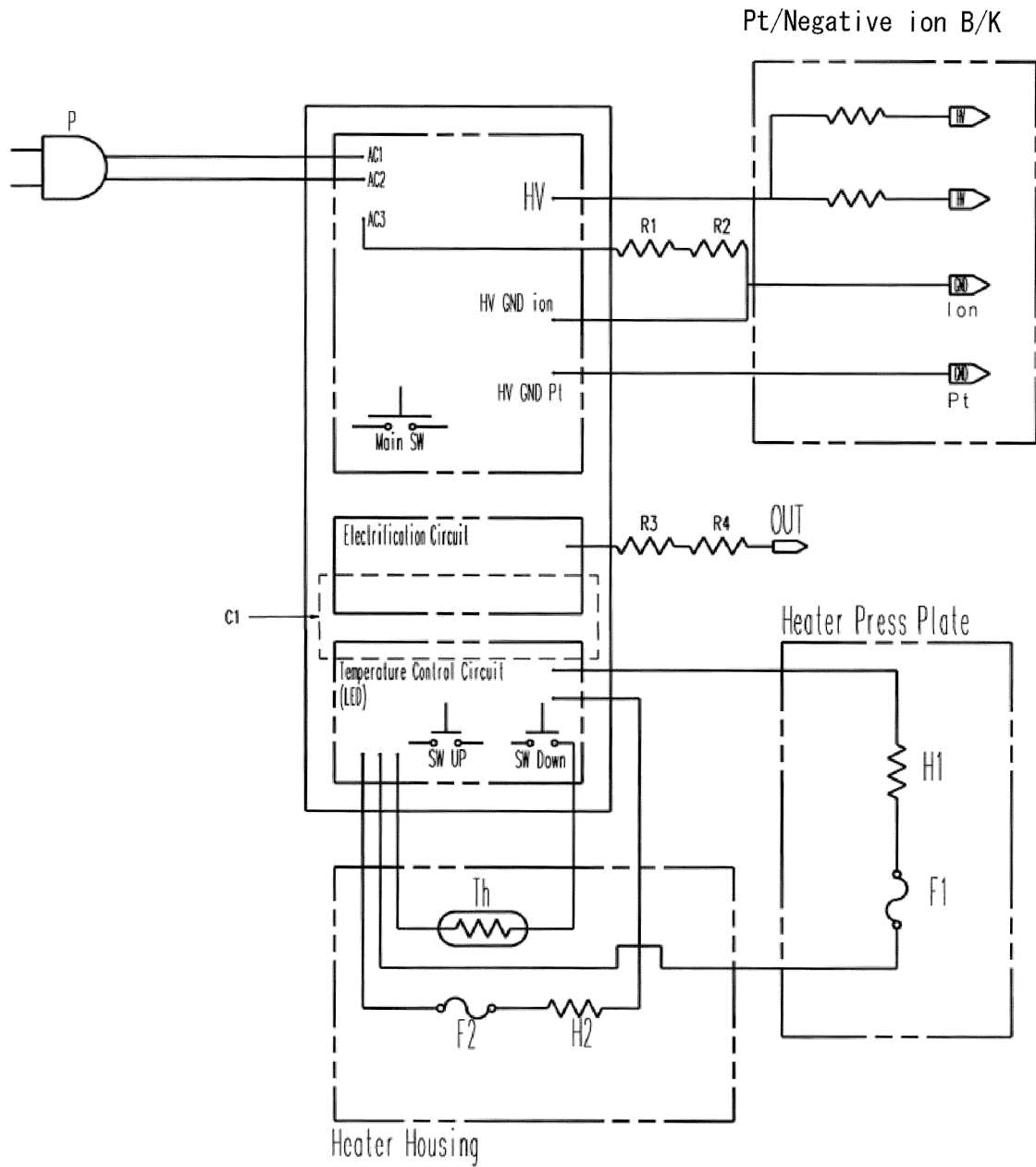
9. Press Plate side lead wire arrangement.



5 Wiring Connection Diagram

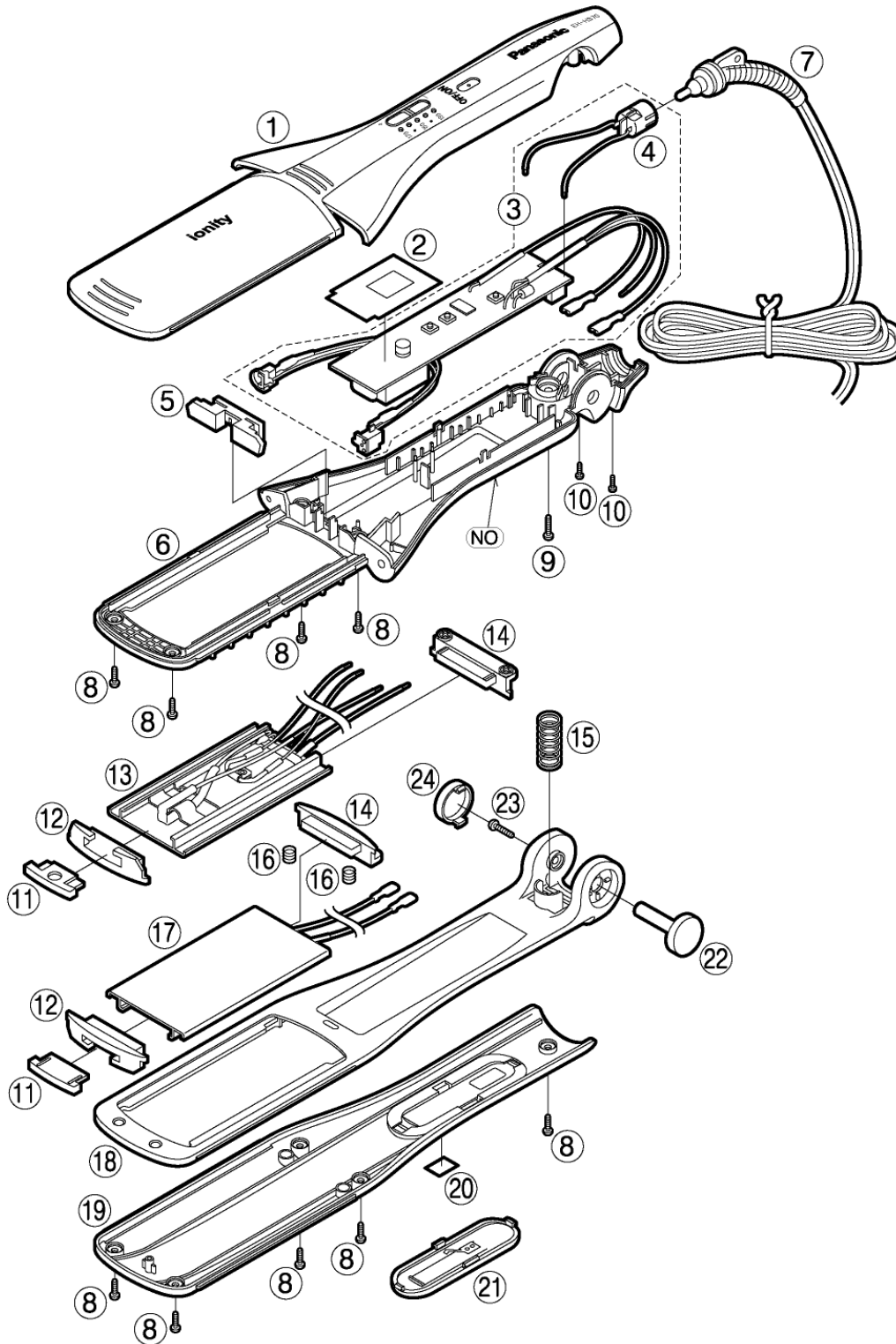


6 Schematic Diagram



7 Exploded View and Replacement Parts List

Model No. : EH-HS70 Exploded View for EH-HS70

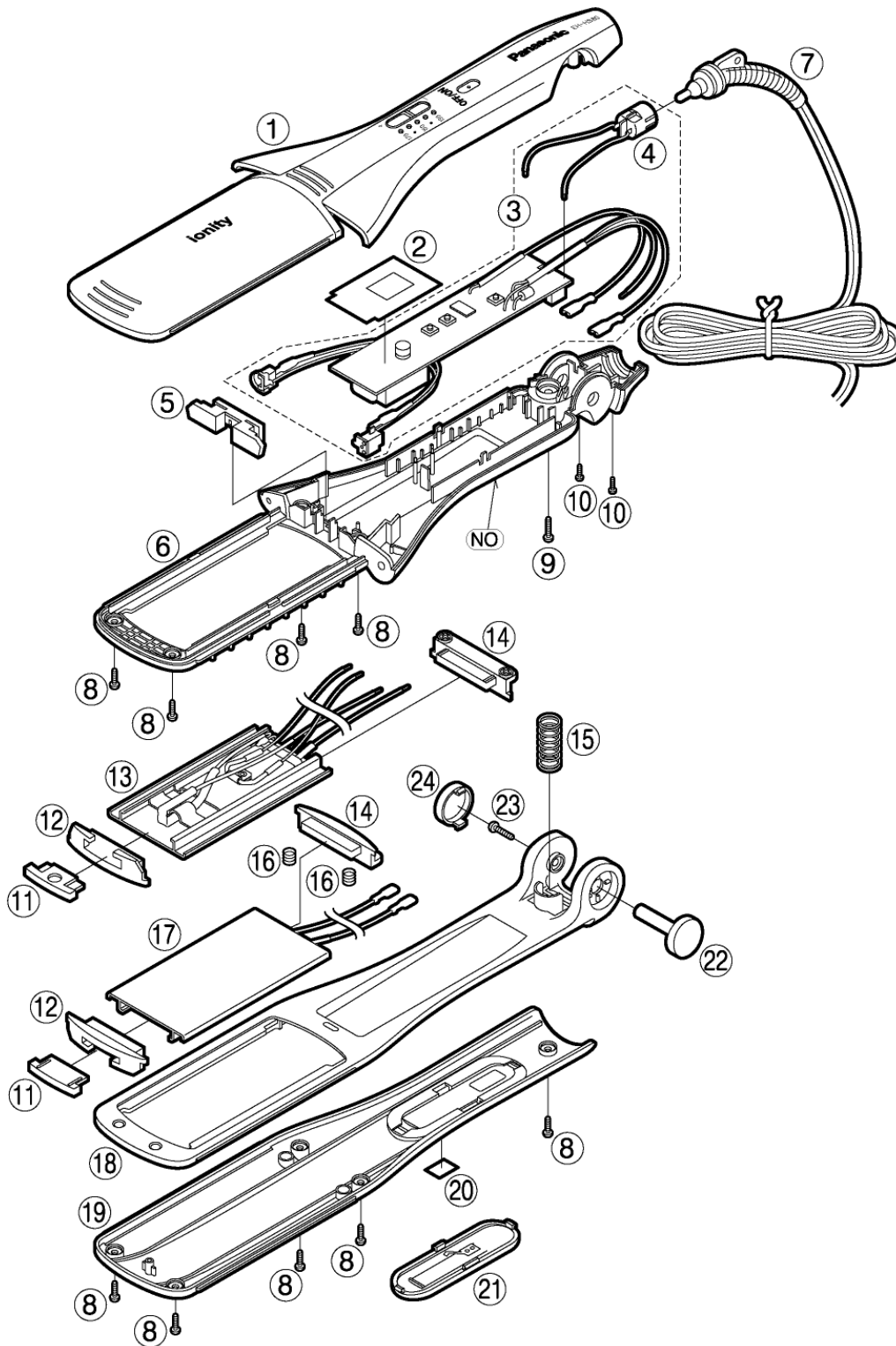


RMKS : *1 Individual Available
All parts are supplied from PEW-Thailand through PLGA

Model No. : EH-HS70 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
EH-HS70					
	1	EHHS70HSABW	HOUSING A ASS'Y	1	
	2	EHHS70ISW	INSULATION SHEET	1	
	3	EHHS70HVCW	HV CIRCUIT BOARD ASS'Y B/K	1	(INCLUDE 1 ALUMINUM SEAL,CONNECTOR COVER BLOCK)
	4	EHHS70CTBW	CONNECTOR COVER BLOCK ASS'Y	1	
	5	EHHS70PKW	PACKING	1	
	6	EHHS70HSBBW	HOUSING B	1	
	7	EHHS70PCBB2W	POWER CORD	1	
	7	EHHS70PCBS3W	POWER CORD	1	
	8	EHHS70T2606W	TAPPING SCREW 2.6*6	9	*1
	9	EHHS70T2608W	TAPPING SCREW 2.6*8	1	
	10	EHHS70T2060W	TAPPING SCREW 2.0*6	2	*1
	11	EHHS70LHBW	LOCK HOLDER	2	*1
	12	EHHS70UHBW	UPPER HOLDER	2	*1
	13	EHHS70HEW	HEATER ASSEMBLY BLOCK	1	
	14	EHHS70LWHBW	LOWER HOLDER	2	*1
	15	EHHS70PSBW	PIVOT SPRING	1	
	16	EHHS70FSW	FLOATING SPRING	2	*1
	17	EHHS70PPHW	PRESS PLATE HEATER ASSEMBLY BLOCK	1	
	18	EHHS70PPBW	PRESS PLATE	1	
	19	EHHS70PPCBW	PRESS PLATE COVER ASS'Y	1	(INCLUDE 1 ALUMINUM SEAL)
	20	EHHS70ALMW	ALUMINIUM SEAL (T=0.05x9x6mm.)	2	*1
	21	EHHS70ELBBW	ELECTRIFICATION BOARD ASS'Y	1	
	22	EHHS70SHBW	SHAFT	1	
	23	EHHS70T3010W	TORX SCREW 3.0*10	1	
	24	EHHS70SCBW	SHAFT COVER	1	
	-	EHHS7061501W	INDIVIDUAL PACKAGE ASS'Y	1	(For Vietnam/India/Iran)
	-	EHHS7065501W	INDIVIDUAL PACKAGE ASS'Y	1	(For Malaysia)
	-	EHHS7066501W	INDIVIDUAL PACKAGE ASS'Y	1	(For Saudi Arabia)
	-	EHHS7068501W	INDIVIDUAL PACKAGE ASS'Y	1	(For Hong Kong/Singapore/Kuwait/UAE)
	-	EHHS70S09W	PULP FILLER	1	
	-	EHHS70S03UW	INSTRUCTION BOOKLET	1	

Model No. : EH-HS80 Exploded View for EH-HS80



RMKS : *1 Individual Available
All parts are supplied from PEW-Thailand through PLGA

Model No. : EH-HS80 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
EH-HS80					
	1	EHHS80HSABW	HOUSING A ASS'Y	1	
	2	EHHS80ISW	INSULATION SHEET	1	
	3	EHHS80HVCW	HV CIRCUIT BOARD ASS'Y B/K	1	(INCLUDE 1 ALUMINUM SEAL,CONNECTOR COVER BLOCK)
	4	EHHS80CTBW	CONNECTOR COVER BLOCK ASS'Y	1	
	5	EHHS80PKW	PACKING	1	
	6	EHHS80HSBBW	HOUSING B	1	
	7	EHHS80PCBB2W	POWER CORD	1	
	7	EHHS80PCBS3W	POWER CORD	1	
	8	EHHS80T2606W	TAPPING SCREW 2.6*6	9	*1
	9	EHHS80T2608W	TAPPING SCREW 2.6*8	1	
	10	EHHS80T2060W	TAPPING SCREW 2.0*6	2	*1
	11	EHHS80LHBW	LOCK HOLDER	2	*1
	12	EHHS80UHBW	UPPER HOLDER	2	*1
	13	EHHS80HEW	HEATER ASSEMBLY BLOCK	1	
	14	EHHS80LWHBW	LOWER HOLDER	2	*1
	15	EHHS80PSBW	PIVOT SPRING	1	
	16	EHHS80FSW	FLOATING SPRING	2	*1
	17	EHHS80PPHW	PRESS PLATE HEATER ASSEMBLY BLOCK	1	
	18	EHHS80PPBW	PRESS PLATE	1	
	19	EHHS80PPCBW	PRESS PLATE COVER ASS'Y	1	(INCLUDE 1 ALUMINUM SEAL)
	20	EHHS80ALMW	ALUMINIUM SEAL	2	*1
	21	EHHS80ELBBW	ELECTRIFICATION BOARD ASS'Y	1	
	22	EHHS80SHBW	SHAFT	1	
	23	EHHS80T3010W	TORX SCREW 3.0*10	1	
	24	EHHS80SCBW	SHAFT COVER	1	
	-	EHHS8061501W	INDIVIDUAL PACKAGE ASS'Y	1	For Vietnam/India/Iran
	-	EHHS8065501W	INDIVIDUAL PACKAGE ASS'Y	1	For Malaysia
	-	EHHS8066501W	INDIVIDUAL PACKAGE ASS'Y	1	For Saudi Arabia
	-	EHHS8068501W	INDIVIDUAL PACKAGE ASS'Y	1	For Hong Kong/Singapore/Kuwait/UAE
	-	EHHS80S09W	PULP FILLER	1	
	-	EHHS80S03UW	INSTRUCTION BOOKLET	1	