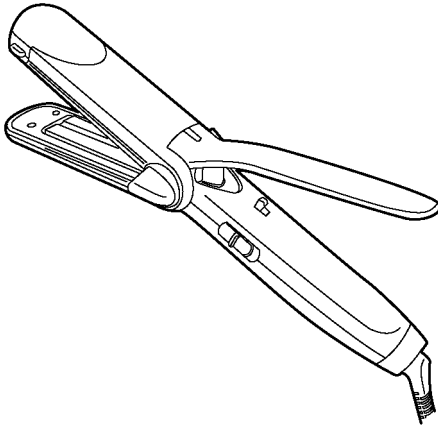


Service Manual

Ion Straightener

Model No. EH-HS60

Asia
Middle East



⚠ 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

Power source	AC 110V 60Hz	AC 220-240V 50-60Hz
Output	32 W	0.2 A
Dimensions	(W) 44 x (D) 70 x (H) 275 mm	
Steam discharge rate	Approx. 0.35 ml/min	
Iron temperature	Approx. 145°C	
Tank capacity	Approx. 6 ml	
Weight	BF-3 Plug	Approx. 435g
	B-2 Plug	Approx. 375g
	A-2 Plug	Approx. 320g

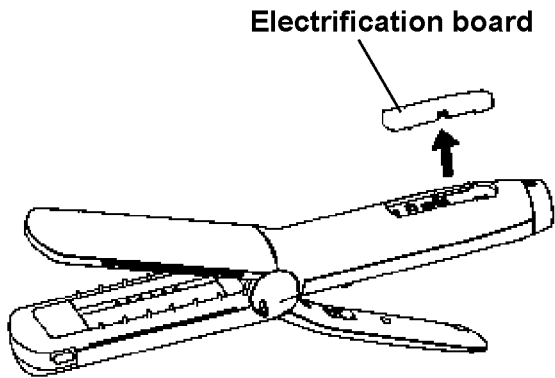
3 Troubleshooting Guide

<TROUBLE>	<CHECK>	<REMEDY>
Product does not work. *LED does not light. *Iron plate does not become hot. *Negative ion is not released.	→ <CHECK THE POWER CORD.> Check the conductivity of the power cord.	NG → Replace the power cord.
↓ OK		
	→ <CHECK THE MAIN SWITCH.> Check the operation mode of the switch.	NG → Replace the select switch. OK → Replace the circuit ass'y.
LED does not light. *Iron plate becomes hot. *Negative ion is released.	→ <CHECK THE LED ASS'Y.>	NG → Replace the LED ass'y. OK → Replace the circuit ass'y.
Iron plate does not become hot. *LED lights up. *Negative ion is released.	→ <CHECK THE IRON PLATE.> Check the resistance of lead wires connected to the iron plate. The value must be $675 \pm 325 \Omega$. (for 220-240V) The value must be 80-900 Ω . (for 110V)	NG → Replace the iron plate. OK → Replace the circuit ass'y.
Steam does not emit or few steam emit. *Iron plate becomes hot.	→ <CHECK THE TANK BLOCK.> Check the water leakage at felt of tank.	NG → Cleaning the tank or replace the tank block.

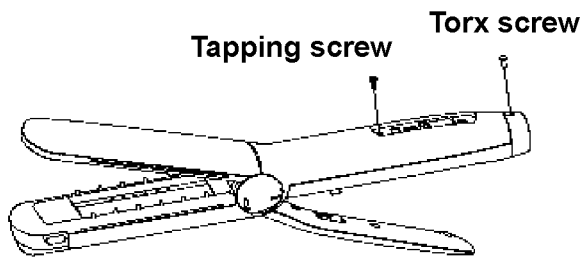
4 Disassembly and Assembly Instructions

4.1. Disassembly Instructions

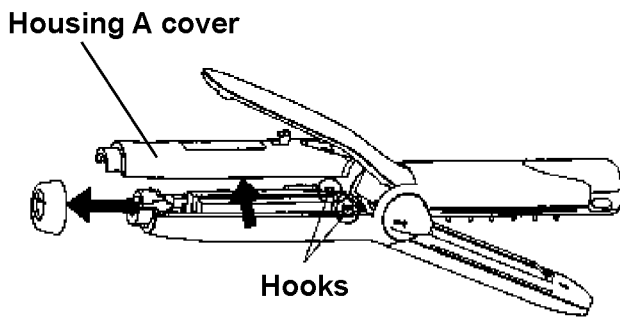
1. Remove the electrification board from main body.



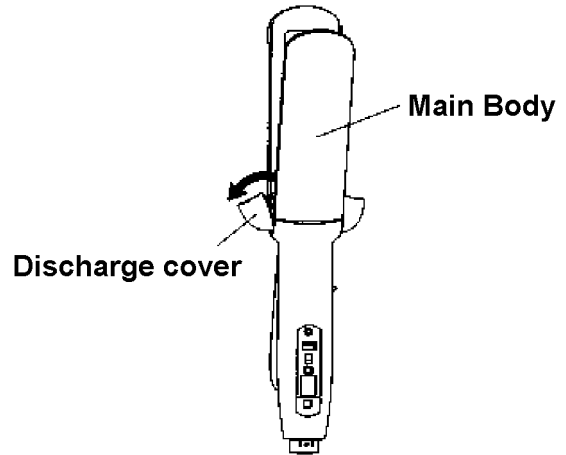
2. Unfasten the tapping screw and the torx screw.



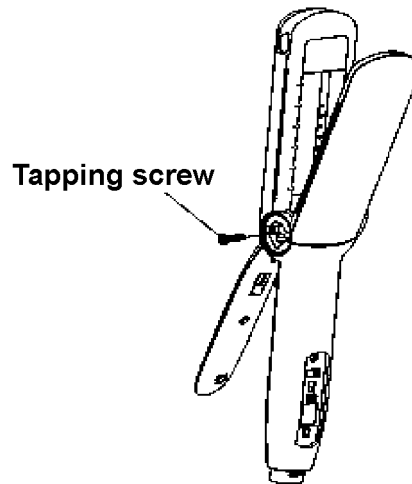
3. Remove the housing A cover by loosening two hooks.



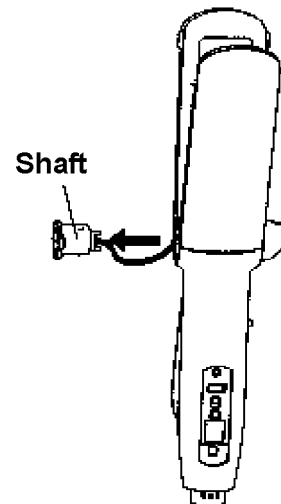
4. Remove the discharge cover from main body.



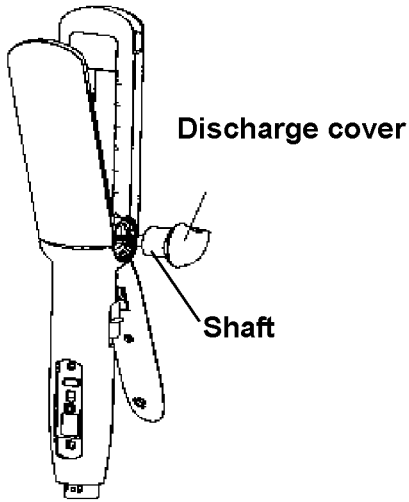
5. Unfasten the tapping screw.



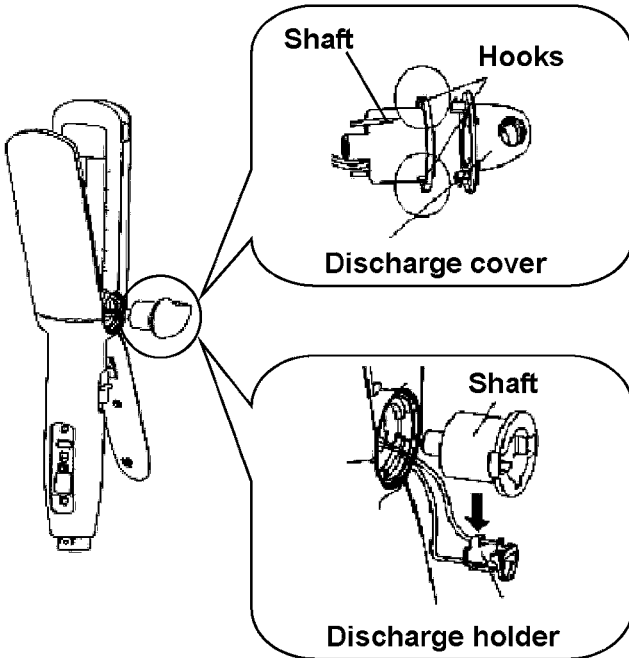
6. Remove the shaft from main body.



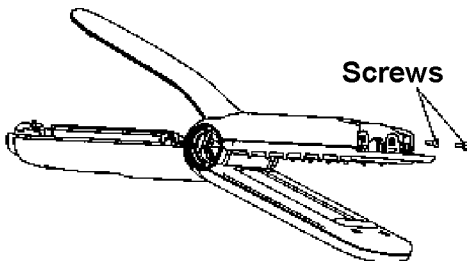
7. Remove the discharge cover with shaft from main body.



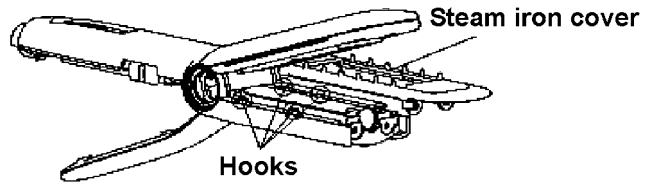
8. Remove the discharge cover from shaft by losing two hooks, and remove the discharge holder from shaft.



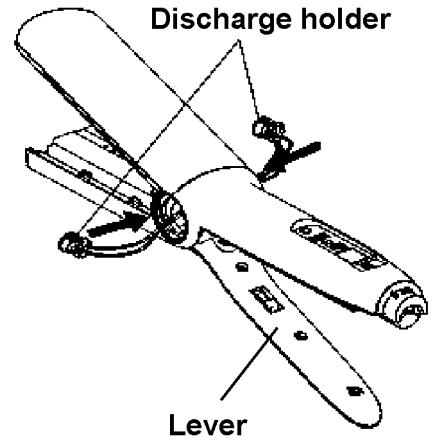
9. Unfasten two screws from Main body.



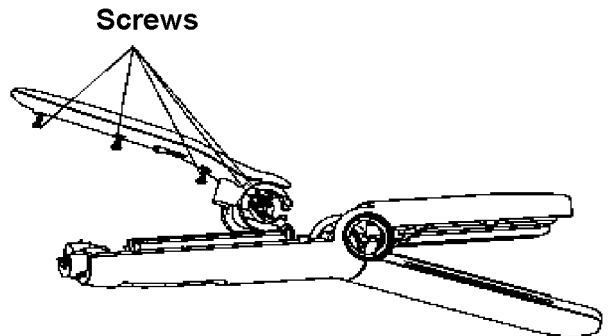
10. Remove the steam iron cover from Main body by losing hooks.



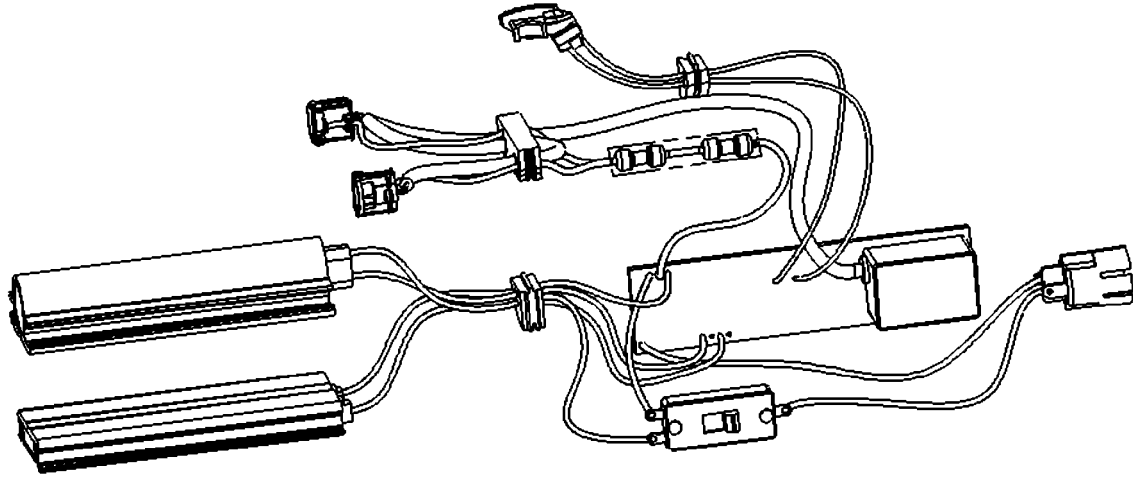
11. Put the discharge holder into the main body then remove the lever from main body.



12. Unfasten five screws from the lever.

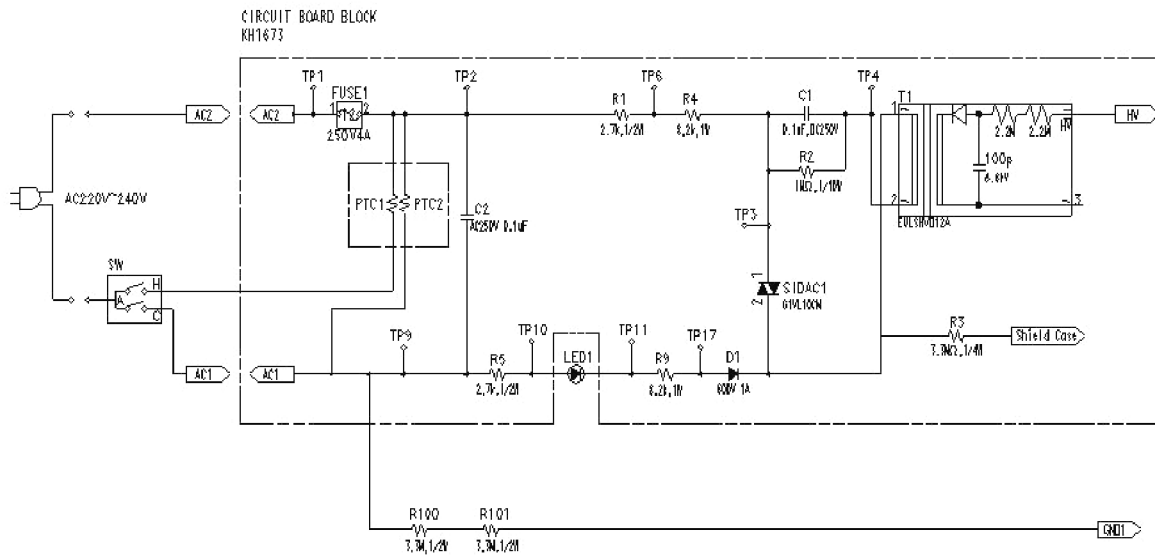


5 Wiring Connection Diagram

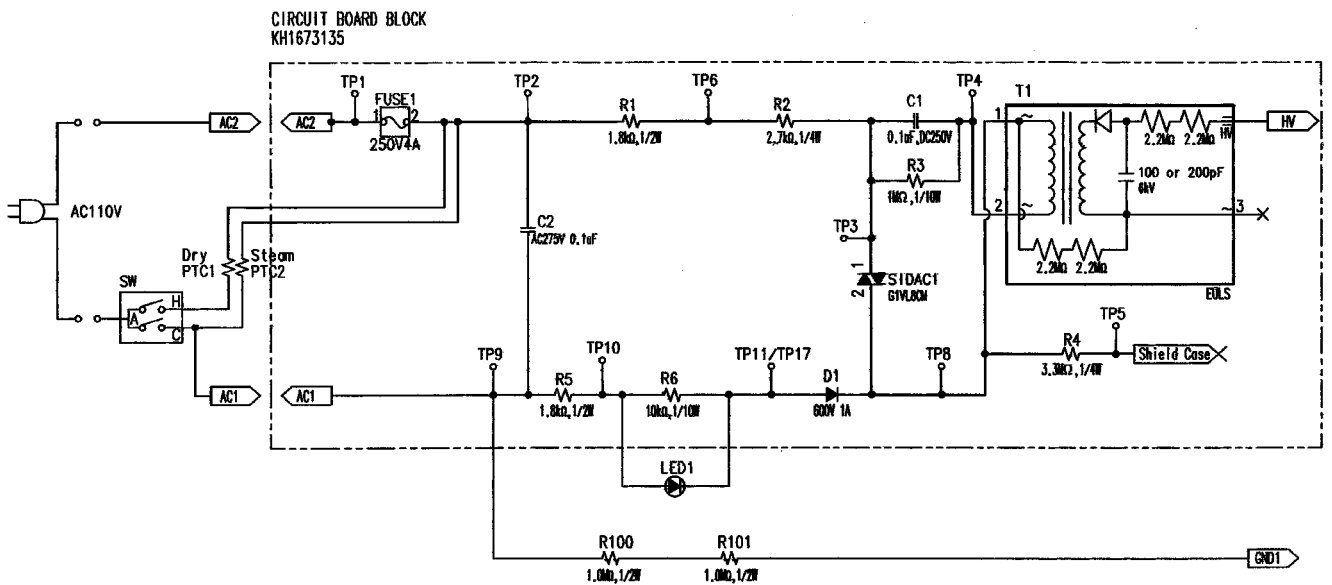


6 Schematic Diagram

6.1. For 220-240V

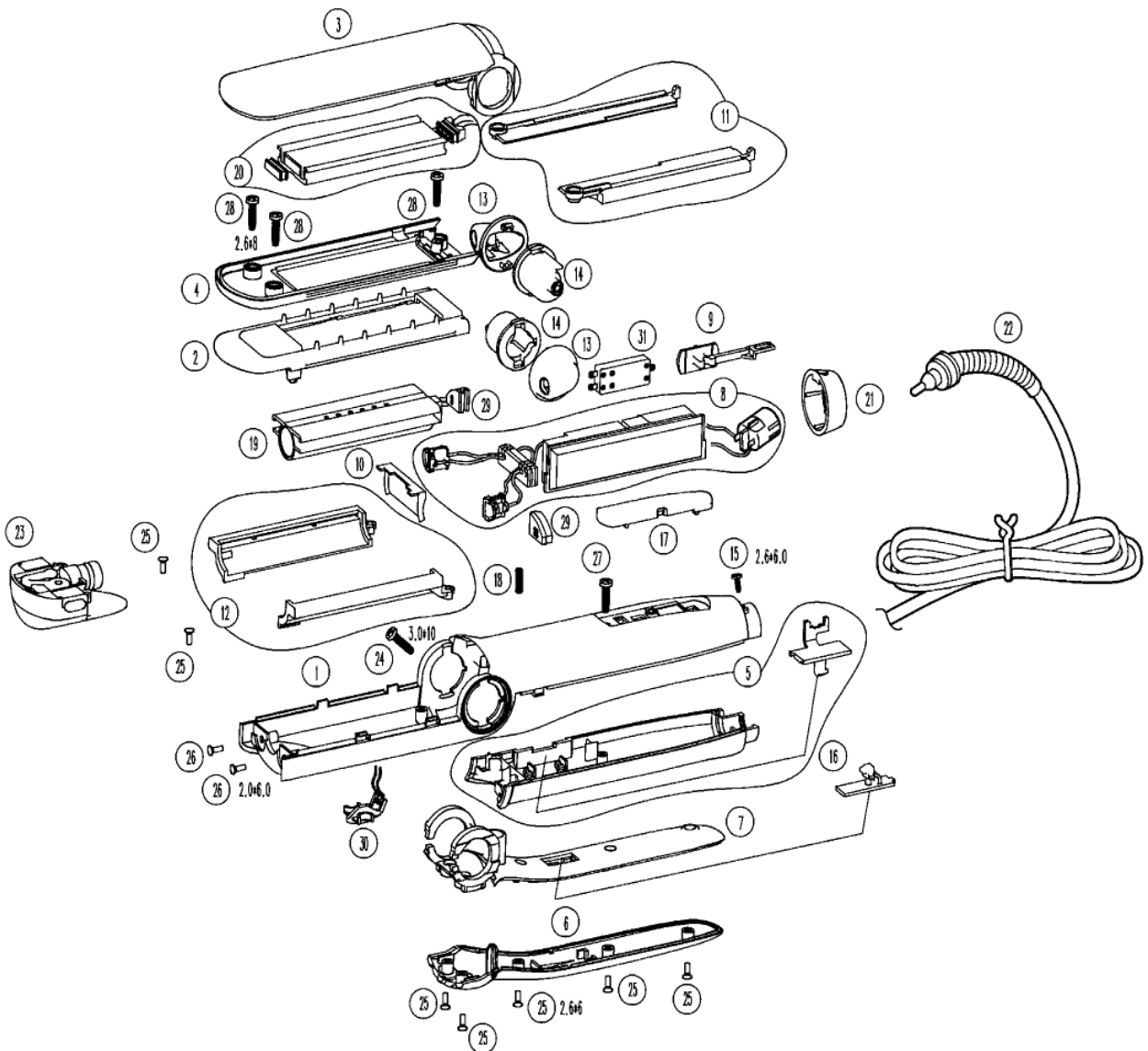


6.2. For 110V



7 Exploded View and Replacement Parts List

Model No. : EH-HS60 Exploded View



* All parts are supplied from PEW-Thailand through PLGA.

Model No. : EH-HS60 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	EHHS60HSAW1W	HOUSING A	1	(For TAIWAN)
	1	EHHS60HSAW2W	HOUSING A	1	
	1	EHHS60HSAW7W	HOUSING A	1	(For KOREA)
	2	EHHS60SICWW	STEAM IRON COVER	1	
	3	EHHS60HSBWW	HOUSING B	1	
	4	EHHS60DICWW	DRY IRON COVER	1	
	5	EHHS60HSAC1W	HOUSING A COVER ASS'Y	1	(For TAIWAN)
	5	EHHS60HSAC2W	HOUSING A COVER ASS'Y	1	
	5	EHHS60HSAC7W	HOUSING A COVER ASS'Y	1	(For KOREA)
	6	EHHS60LVWW	LEVER	1	
	7	EHHS60LCWW	LEVER COVER	1	
	8	EHHS60CCA1W	CIRCUIT ASS'Y	1	(For TAIWAN)
	8	EHHS60CCA2W	CIRCUIT ASS'Y	1	
	9	EHHS60SPWW	SWITCH PLATE	1	
	10	EHHS60PCWW	PIVOT COVER	1	
	11	EHHS60DIHHW	DRY IRON HOLDER	1	
	12	EHHS60SIHHW	STEAM IRON HOLDER	1	
	13	EHHS60DCNW	DISCHARGE COVER	1	
	14	EHHS60SHHW	SHAFT AB	1	
	15	EHHS602660SW	TORX SCREW	1	(M2.6-6)
	16	EHHS60LHWW	LOCK HOOK	1	
	17	EHHS60ELBWW	ELECTRIFICATION BOARD	1	
	18	EHHS60SPW	SPRING	1	
	19	EHHS60SIPA1W	STEAM IRON PLATE ASS'Y	1	(For TAIWAN)
	19	EHHS60SIPA2W	STEAM IRON PLATE ASS'Y	1	
	20	EHHS60DIPA1W	DRY IRON PLATE ASS'Y	1	(For TAIWAN)
	20	EHHS60DIPA2W	DRY IRON PLATE ASS'Y	1	
	21	EHHS60FRWW	FIXING RING	1	
	22	EHHS60PCHA2W	POWER CORD	1	(A-2 Plug)
	22	EHHS60PCHB2W	POWER CORD	1	(B-2 Plug)
	22	EHHS60PCHS3W	POWER CORD	1	(BF-3 Plug)
	22	EHHS60PC675W	POWER CORD	1	(KS Plug)
	23	EHHS60TJAWW	TANK WITH JOINT ASS'Y	1	
	24	EHHS60T3010W	TAPPING SCREW	1	(K3.0-10)
	25	EHHS60T2660W	TAPPING SCREW	7	(K2.6-6)
	26	EHHS60T2006W	TAPPING SCREW	2	(K2.0-6)
	27	EHHS60T2020W	TAPPING SCREW	1	(K2.0-20)
	28	EHHS60T2608W	TAPPING SCREW	3	(K2.6-8)
	29	EHHS60PKW	PACKING AB	1	
	30	EHHS60LEDW	LED ASS'Y	1	
	31	EHHS60SS1W	SELECT SWITCH	1	(For TAIWAN)
	31	EHHS60SS2W	SELECT SWITCH	1	
	-	EHHS6013501W	INDIVIDUAL PACKAGE	1	(For TAIWAN)

Model No. : EH-HS60 Parts List

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	-	EHHS6061501W	INDIVIDUAL PACKAGE	1	(For INDIA, VIETNAM, IRAN)
	-	EHHS6067501W	INDIVIDUAL PACKAGE	1	(For KOREA)
	-	EHHS6066501W	INDIVIDUAL PACKAGE	1	(For SAUDI ARABIA)
	-	EHHS6068501W	INDIVIDUAL PACKAGE	1	(For HONG KONG, UAE, KUWAIT)
	-	EHHS60S03W	INSTRUCTION BOOKLET	1	
	-	EHHS60S09W	FILLER FOR PACKAGE	1	