Order Number PEWT1710A28CE

Service Manual

(Household) Hair Dryer

Model No. EH-NE83

Asia Middle East

A 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.

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1. Warning

Caution:

- Pb free solder has a higher melting point that standard solder; Typical the melting point is 50 70°F (30 40°C) 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 becareful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F / 600°C).

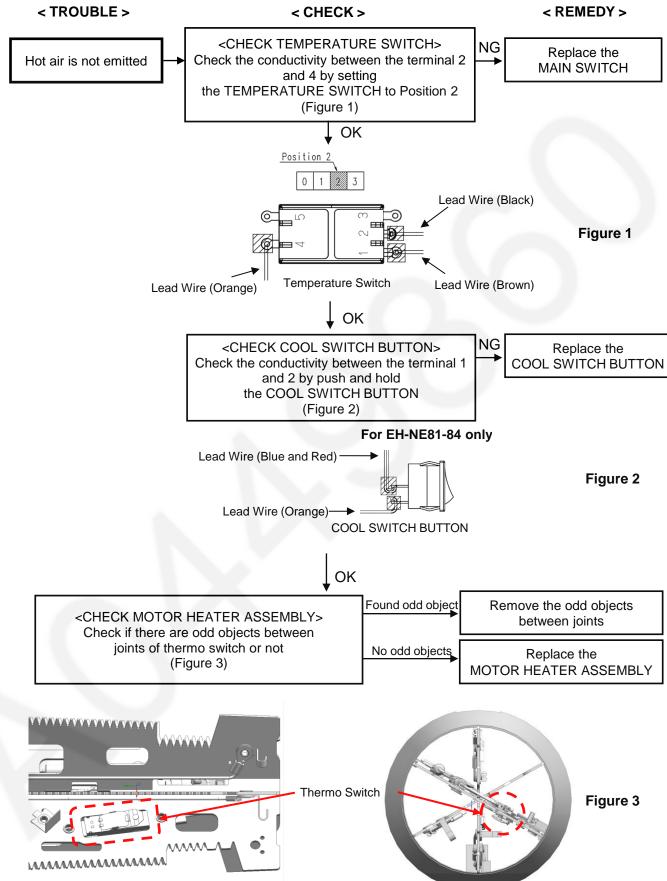
2. Specifications

Power source	AC 220-240 V , 50~60 Hz		
Power consumption	AC 220 V, 50~60 Hz, 2100 W		
(" II - Hot ")	AC 230 V, 50~60 Hz, 2300 W		
	AC 240 V, 50~60 Hz, 2500 W		
Air volume without nozzle	1.9 m ³ /min		
Air temperature without nozzle	90 K (in case of room temperature 30°C)		
(" II - Hot ")			
Dimensions	(W) 90mm x (D) 220mm. x (H) 270mm.		
Cord length	Code L / 605 / 615 / 655 / 685 = 1.7 m		
Weight	Approx. =530g.		
	(without power cord and nozzle)		

Supplied accessory Set n	ozzle
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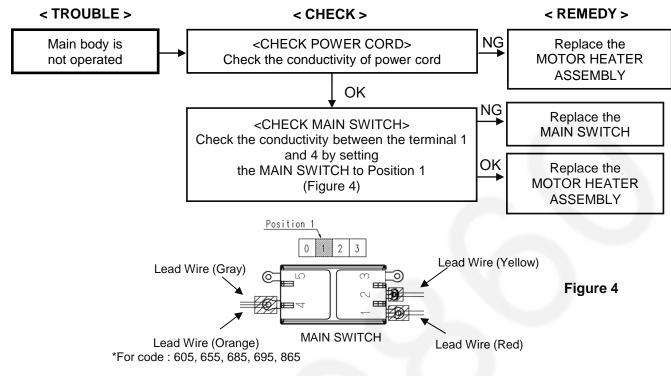
3. TROUBLESHOOTING GUIDE

Refer to WIRING CONNECTION DIAGRAM.



3. TROUBLESHOOTING GUIDE

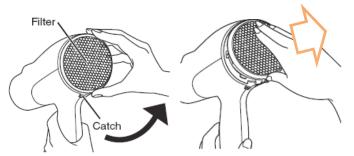
Refer to WIRING CONNECTION DIAGRAM.



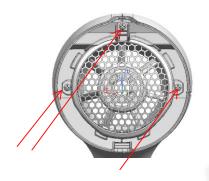
4. Disassembly and Assembly Instructions

4.1. Disassembly Instructions

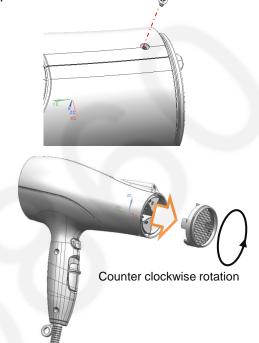
1. Remove the FILTER FRAME ASSEMBLY



2. Remove 3 TAPPING SCREWS by a cross slot screw driver, then Remove AIR INLET RING.



4. Remove TAPPING SCREWS by a cross slot screw driver. Than take out AIR OUTLET RING and AIR OUTLET GRILL by rotating follow the direction below.

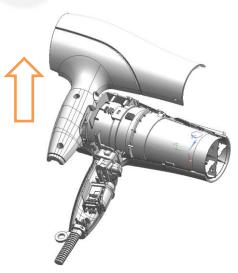


5. Take off HOUSING AB follow the figure below.

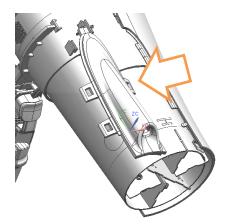


3. Remove 2 TAPPING SCREWS at HOUSING A by flat-blade screwdriver and 2 TORX SCREWS at HANDLE by Driver then remove HANDLE AB.





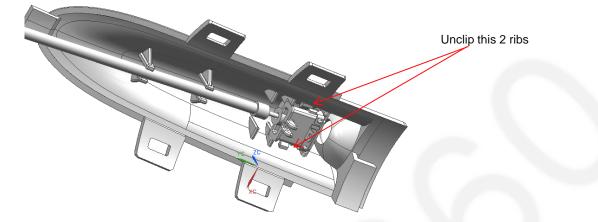
6. Remove DISCHARGE COVER



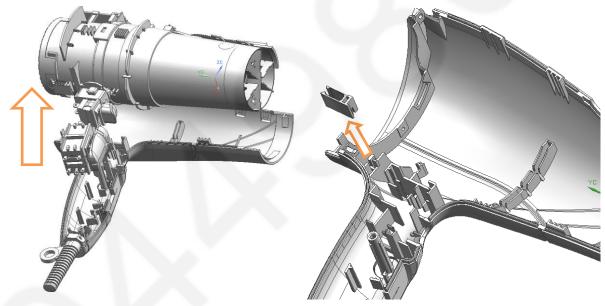
4. Disassembly and Assembly Instructions

4.1. Disassembly Instructions

7. remove Ion Holder from DISCHARGE COVER as figure below.

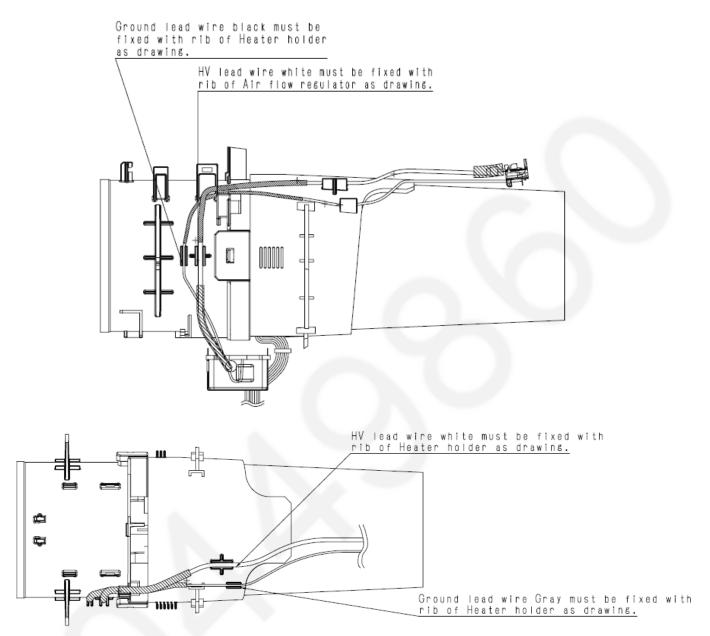


8. Take off MOTOR HEATER ASSEMBLY, and PLATE SPRING from HOUSING B.

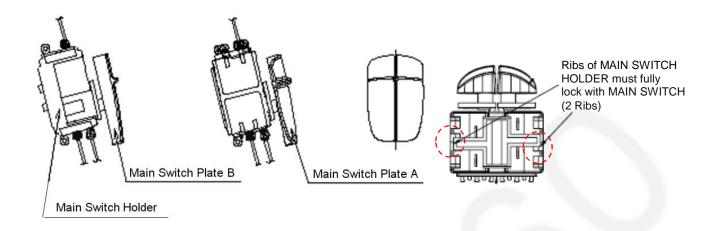


4.2 Assembly Instructions

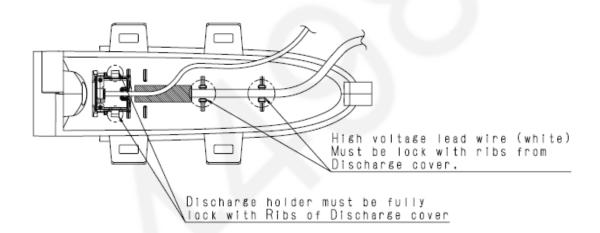
1. High voltage lead wire for Ion discharge must be fixing with Ribs from Heater holder as below picture.



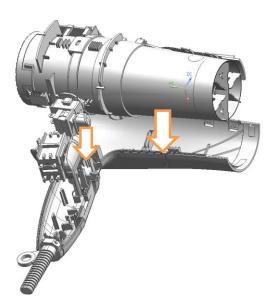
2. Install MAIN SWITCH PLATE AB and MAIN SWITCH HOLDER.

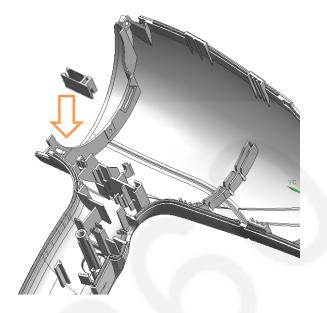


3. Install Ion discharge in to DISCHARGE COVER.

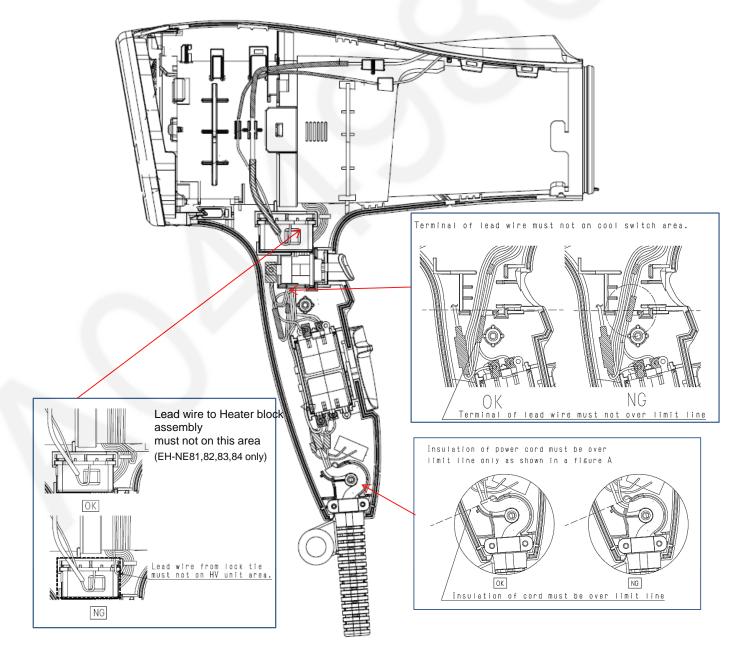


4. Assemble MOTOR HEATER ASSEMBLY, COOL SWITCH PLATE and PLATE SRPING into HOUSING B.

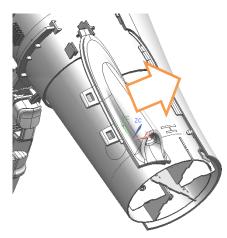




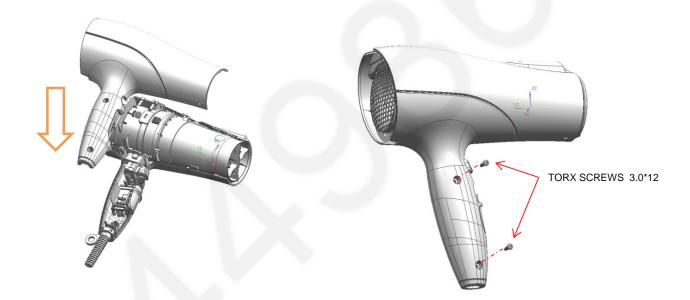
Position of component must be as below



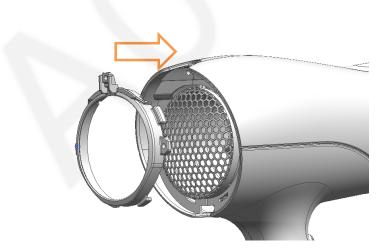
5. Assemble DISCHARGE COVER / DESIGN COVER into HOUSING B.



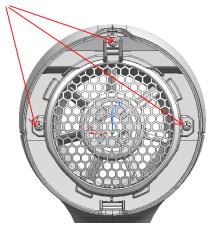
6. Assemble HOUSING A, then tightening 2 TORX SCREWS.



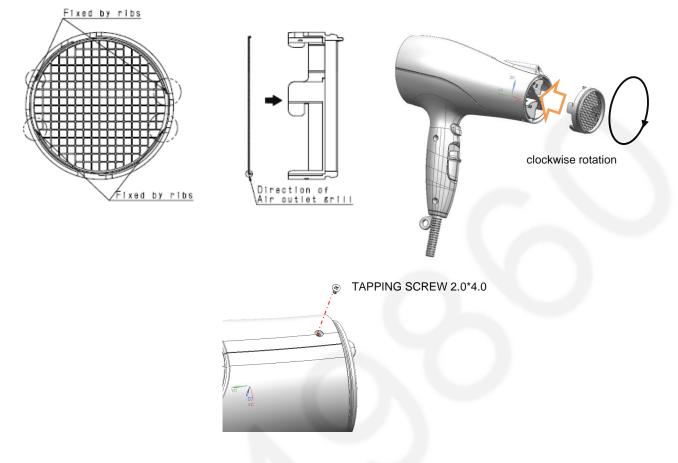
7. Assemble AIR INLET RING and 3 TAPPING SCREWS.



TAPPING SCREWS 2.6*10



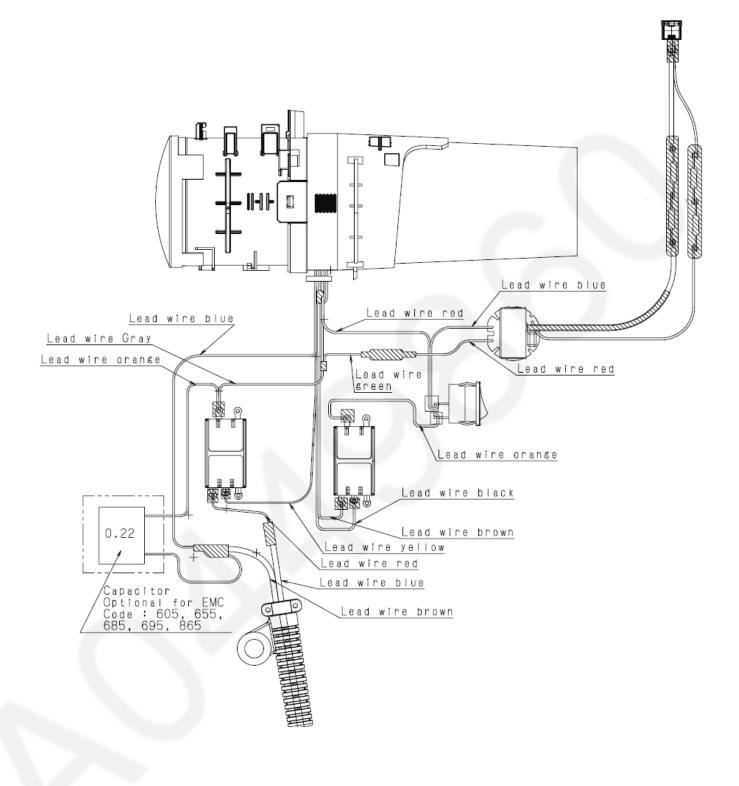
8. Install a AIR OUTLET GRILL into AIR OUTLET RING. Then install in to MAIN BODY with TAPPING SCREW.



9. Install a FILTER FRAME ASSEMBLY.



5. Wiring Connection Diagram



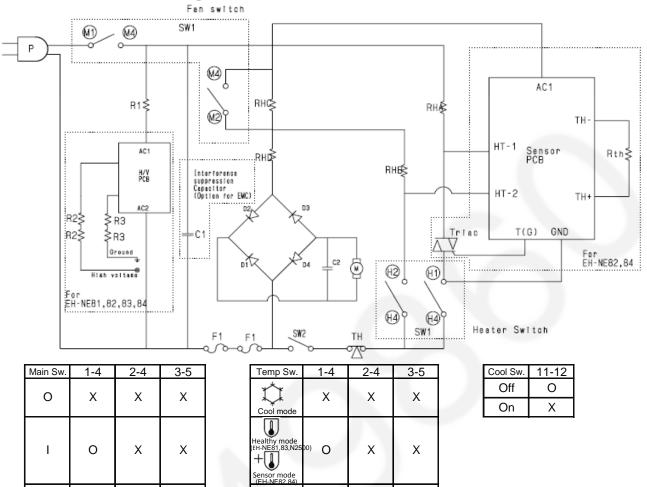
6. Schematic Diagram

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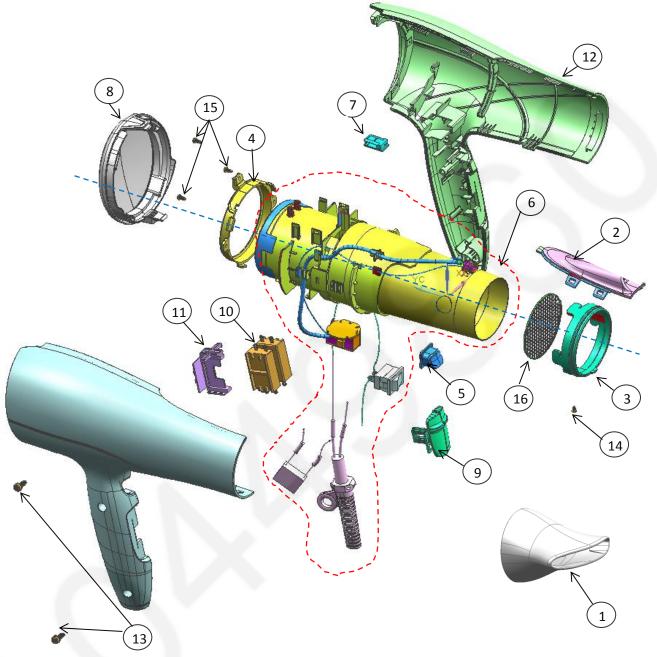
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Hot mode

	Symbol	Part name	Specification
	RHA, RHB	Resistance Wire A, B	FCHW1, 11.5 Ω/m
	RHC	Resistance Wire C	FCHW1, 7.13 Ω/m
	RHD	Resistance Wire D	NCHW2, 21.29 Ω/m
	ТН	Thermo Switch	80 ± 5 °C
	F1	Temperature Fuse	15 A, 250 V, 142 °C
	М	Motor	26 VDC
	SW2	Cool Switch	250 V, 10 A
	C1	Interference Suppression Capacitor	0.22 <i>μ</i> F, 275 VAC
	C2	Capacitor Across Motor	0.10 <i>μ</i> F, 100 VDC
	R1	Fixed Resistance (R1)	27 kΩ, 2W
	R2	Fixed Resistance (R2)	3.3 MΩ, 1/2W
	R3	Fixed Resistance (R3)	1.0 MΩ, 1/2W
	Р	Power Cord	
	HV PCB	Hi-Voltage Circuit PCB	
	Sensor PCB	Sensor Printed Circuit Board	
	D1 - D4	Diode (Rectifier)	400 V, 2A
	SW1	Main Switch	250VAC, 15A

7. EXPLODED VIEW & REPLACEMENT PARTS LIST

7.1. Exploded View for : EH-NE83



All parts are supplied from PMFTH-AP through PLAP

7.2 Parts List for EH-NE83

Safety	Ref. No.	Part No.	Part Name & Description	Q'ty	Remarks
	1	EHNE83SNZBW	SET NOZZLE (BLACK)	1	
2 6		EHNE83DCBW	DISCHARGE COVER (BLACK)	1	
	3	EHNE83AORBW	AIR OUTLET RING (BLACK)	1	
	4	EHNE83AIRBW	AIR INLET RING (BLACK)	1	
	5	EHNE83CSBBW	COOL SWITCH BUTTON (BLACK)	1	
	6	EHNE83MHB2W	MOTOR HEATER ASSEMBLY	1	B2-PLUG,SET LOCKING TIE
	6	EHNE83MHS3W	MOTOR HEATER ASSEMLBY	1	S3-PLUG,SET LOCKING TIE
	7	EHNE83PSPW	PLATE SPRING	1	
	8	EHNE83FTFBW	FILTER FRAME ASSEMBLY	1	
	9	EHNE83MSPBW	MAIN SWITCH PLATE AB (BLACK)	1	
	10	EHNE83MSW	MAIN SWITCH	1	(2PCS/PACK, INCLUDE 6 INSULATION TUBES)
	11	EHNE83MSHTW	MAIN SWITCH HOLDER	1	
	12	EHNE83HS615W	HOUSING AB ASSEMBLY	1	FOR -K615,BLACK
	12	EHNE83HS685W	HOUSING AB ASSEMBLY	1	FOR -K685,BLACK
	13	EHNE83T3012W	TORX SCREW 3.0*12	2	*1
	14	EHNE83T2004W	TAPPING SCREW 2.0*4.0	1	
	15	EHNE83T2610W	TAPPING SCREW 2.6*10	3	*1
	16	EHNE83AOGW	AIR OUTLET GRILL	1	
	-	EHNE83S03W	OPERATING INSTRUCTIONS	1	FOR -K615
	-	EHNE8368503W	OPERATING INSTRUCTIONS WITH	1	FOR -K685
	-	EHNE83S615KW	INDIVIDUAL PACKAGE ASSEMBLY	1	FOR -K615
	-	EHNE83S685KW	INDIVIDUAL PACKAGE ASSEMBLY	1	FOR -K685
	-	EHNE83S09W	FILLER FOR PACKAGE	1	
	-	EHNE83S55W	POUCH FOAM	1	

Remarks : *1 Individual Available