

Service Manual

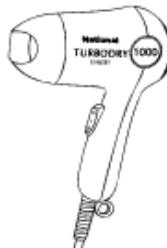
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ORDER NO. PCD0106A84C3

Service Manual

Hair Dryer

- EH5281-A3



SPECIFICATIONS

| | | | |
|-------------------|---|--|------------------------------|
| Power source | AC110V,220~240V/50~60Hz (Separately available) | Air volume | 0.8 m ³ /min (II) |
| Power consumption | | Air flow temperature | 110V...105°C(II) |
| | II...110V,230V 1000W 220V 930W 240V 1100W | 220~240V...105°C(II) (in case of room temperature 30°C) | 220~240V...105°C(II) |
| | | Cord length | 1.75 m |
| | | Weight | 370g (with nozzle) |
| I...110V 500W | | | |
| 220V 450W | | | |
| 230V 500W | | | |
| 240V 550W | | | |

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WARNING

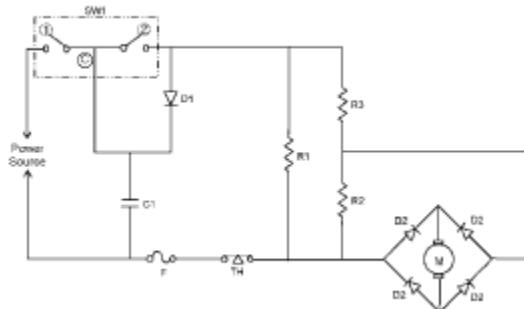
This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should 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.



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1 SCHEMATIC DIAGRAM

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SW1 Main switch(ARG-1213-01-003)

| | C-1 | C-2 |
|----|-----|-----|
| 0 | X | X |
| I | O | X |
| II | O | O |

O = ON

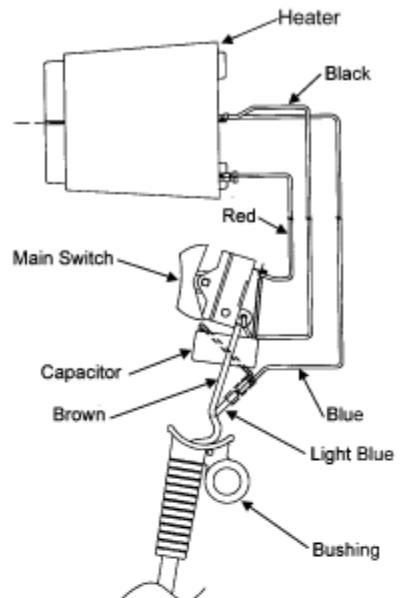
X = OFF

| | | 110V TAIWAN | 220V KOREA | 220~240V |
|-------------|------------------|---------------------------|------------|----------|
| C1 | CAPACITOR | 0.1mF, 250V | NOT USE | |
| D1 | DIODE | 5A, 600V | | |
| D2x4 | DIODE | 1A, 400V | | |
| F | TEMPERATURE FUSE | 147C°, 12A, 250V | | |
| M | MOTOR | 15VDC, 1.37A | | |
| SW1 | MAIN SWITCH | AC 125V, 13A/250V, 6.5A | | |
| R1//(R2+R3) | HEATER COIL | 12.3±0.5W | — | |
| (R2) | | 4.2±0.2W | 5.3±0.2W | |
| R2+R3 | | — | 52.0±1.5W | |
| R1 | | — | NOT USE | |
| TH | THERMO SWITCH | 125V, 12A / 250V, 6A 120C | | |

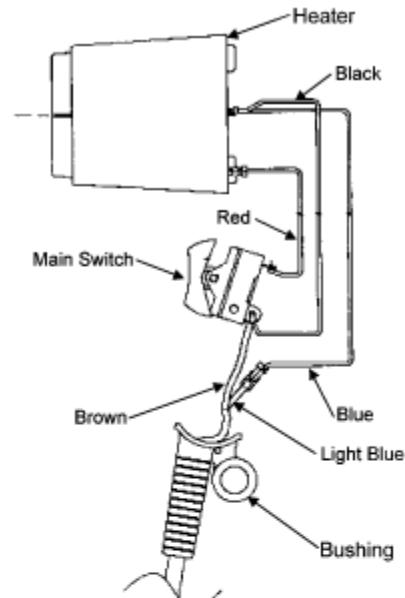
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2 WIRING CONNECTION DIAGRAM

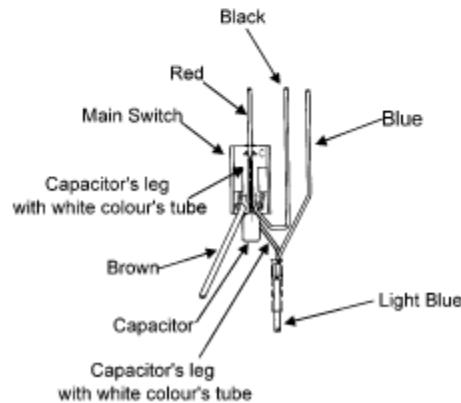
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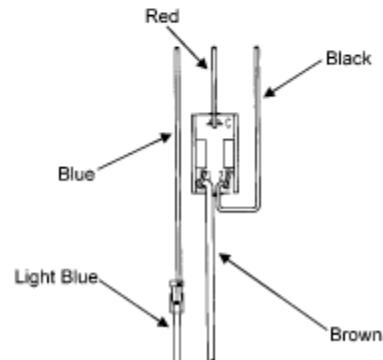
< For TAIWAN and KOREA ONLY >



< For Other >



< Main Switch for TAIWAN and KOREA ONLY >



< Main Switch for Other >

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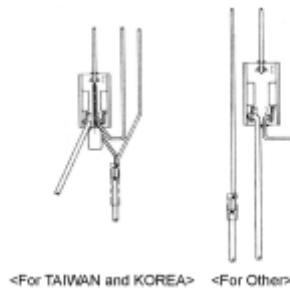
3 ASSEMBLY INSTRUCTIONS

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* **Caution for soldering lead wire on switch.**

Location and orientation of lead wire must be as shown in [Fig.1](#)

Fig.1



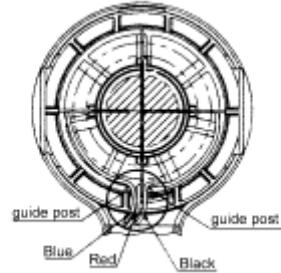
1. Assembly the heater into the slots of air flow regulator assembly as show in [Fig.2](#)

Fig.2



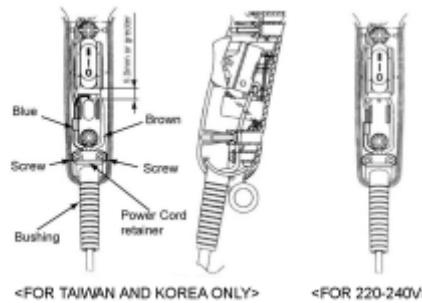
2. Insert the red, black and blue lead wire between the guide post of air flow assembly as shown in [Fig.3](#)

Fig.3



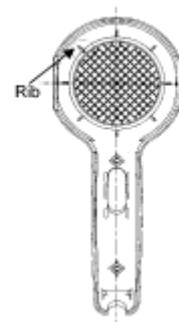
3. Install the switch at the position as show in the [Fig.4](#)
4. The position of all lead wires as show in the [Fig.4](#)
5. Set power cord, bushing and drive 2 screws at power cord retainer as show in the [Fig.4](#)

Fig.4



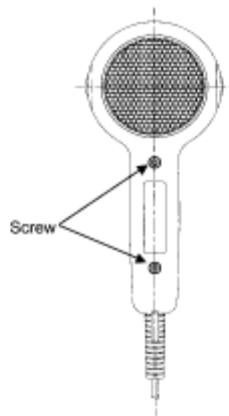
6. Set air outlet grill and outlet ring to heater block by align rib of air outlet ring with slot of housingA as shown in [Fig.5](#)

Fig.5



7. Assembly the housing with 2 screws at main body as shown in [Fig.6](#)

Fig.6



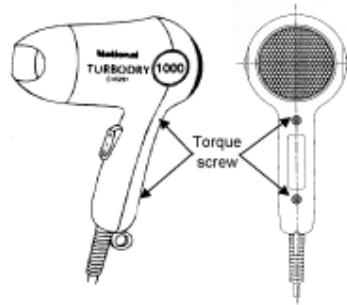
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4 DISASSEMBLY INSTRUCTIONS

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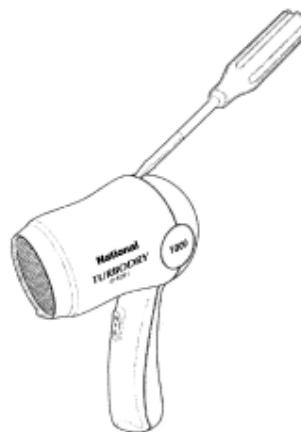
1. Remove the 2 torque screws from main body with a torque head driver as shown in [Fig.7](#) .

Fig.7



2. Remove hooks of housing AB with a slotted screwdriver as shown in [Fig.8](#)
3. Pull out the housing.
4. Remove 2 tapping screw from holding power cord retainer.
5. Remove the heater block and main switch.

Fig.8



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5 TROUBLESHOOTING GUIDE

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*Refer to [WIRING CONNECTION DIAGRAM](#) .

< TROUBLE >

< CHECK >

< REMEDY >

Hot air is not emitted → Check continuity of power cord.

→ Replace power cord.

at "II" or "I" position.

NO

↓OK

position of main switch.

→ Replace main switch.

Check continuity between (C) and (1), between (C) and (2) at "II" position of NO

main switch.

(probe "+" of tester at (C), "-" of tester at (2) only)

↓OK

Check the resistance of heater coil between blue lead wire and black lead → Replace heater block.

wire of heater block.

NO

The value should be as follows :

220~240V :approx. 52.0Ω, 110V :approx. 12.3Ω

↓OK

Check the motor rotates when adding DC15V to motor terminal.

→ Replace motor.

NO

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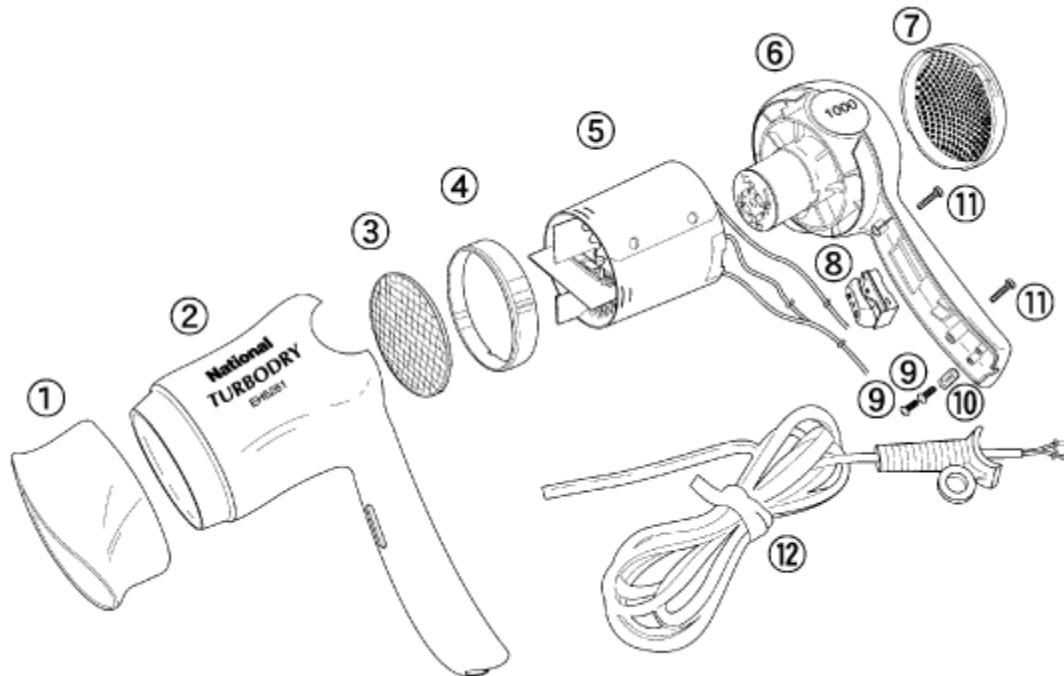
6 EXPLODED VIEW& REPLACEMENT PARTS LIST

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[6.1 EXPLODED VIEW](#)

[6.2 REPLACEMENT PARTS LIST](#)

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6.2 REPLACEMENT PARTS LIST

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NOTES: All parts are supplied from MEW–Thailand through PPCA.

Remarks: *1 = Available individually.

| Ref. No. | Part No. | Part Name & Description | Remarks | Per Unit |
|-----------|--------------|-------------------------------|-------------------|----------|
| <u>1</u> | EH5281NZPW | NOZZLE | PINK | 1 |
| 1 | EH5281NZVW | NOZZLE | VIOLET | 1 |
| <u>2</u> | EH5281HSAPW | HOUSING A | PINK | 1 |
| 2 | EH5281HSAVW | HOUSING A | VIOLET | 1 |
| <u>3</u> | EH5281AOGW | AIR OUTLET GRILL | | 1 |
| <u>4</u> | EH5281AORW | AIR OUTLET RING | | 1 |
| <u>5</u> | EH5281HB11W | HEATER BLOCK ASS'Y | FOR TAIWAN | 1 |
| 5 | EH5281HB22W | HEATER BLOCK ASS'Y | FOR OTHERS | 1 |
| <u>6</u> | EH5281HSM1PW | HOUSING B WITH MOTOR REC. B/K | PINK TAIWAN | 1 |
| 6 | EH5281HSM9PW | HOUSING B WITH MOTOR REC. B/K | PINK KOREA | 1 |
| 6 | EH5281HSM2PW | HOUSING B WITH MOTOR REC. B/K | PINK OTHERS | 1 |
| 6 | EH5281HSM1VW | HOUSING B WITH MOTOR REC. B/K | VIOLET TAIWAN | 1 |
| 6 | EH5281HSM9VW | HOUSING B WITH MOTOR REC. B/K | VIOLET KOREA | 1 |
| 6 | EH5281HSM2VW | HOUSING B WITH MOTOR REC. B/K | VIOLET OTHERS | 1 |
| <u>7</u> | EH5281AIGPW | AIR INLET GRILL | PINK | 1 |
| 7 | EH5281AIGVW | AIR INLET GRILL | VIOLET | 1 |
| <u>8</u> | EH5281SWPW | SWITCH PUSH BUTTON | PINK | 1 |
| 8 | EH5281SWVW | SWITCH PUSH BUTTON | VIOLET | 1 |
| <u>9</u> | EH5281T3080W | TAPPING SCREW 3*8 | *1 | 2 |
| <u>10</u> | EH5281PCRLW | POWER CORD RETAINER | | 1 |
| <u>11</u> | EH5281T3012W | TAPPING SCREW 3*12 | *1 | 2 |
| <u>12</u> | EH5281PCA2W | POWER CORD ASS'Y | A2 PLUG | 1 |
| 12 | EH5281PCS3W | POWER CORD ASS'Y | S3 PLUG | 1 |
| 12 | EH5281PCC2W | POWER CORD ASS'Y | C2 PLUG | 1 |
| 12 | EH5281PCB2W | POWER CORD ASS'Y | B2 PLUG | 1 |
| 12 | EH5281PCSS3W | POWER CORD ASS'Y | S3 PLUG HONG KONG | 1 |
| - | EH5281S01PW | INDIVIDUAL PACKAGE | PINK | 1 |

| | | | | |
|---|--------------|---------------------|------------|---|
| - | EH5281S01VW | INDIVIDUAL PACKAGE | VIOLET | 1 |
| - | EH528113503W | INSTRUCTION BOOKLET | FOR TAIWAN | 1 |
| - | EH528168503W | INSTRUCTION BOOKLET | FOR OTHERS | 1 |

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