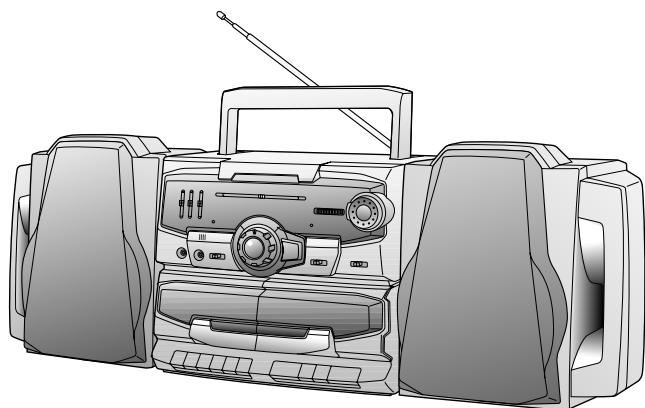


SHARP SERVICE MANUAL

No. S0957WF1000WK



WF-1000W(BK) WF-1000W(S)

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified should be used.

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WF-1000W

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

● General

Power source: AC 110-127 V/220-240 V,
50/60 Hz
DC 15 V ["D" size
(UM/SUM-1, R20 or HP-2)
battery × 10]

Power consumption: 28 W

Output power: PMPO; 200 W (total)
(AC operation)
MPO; 50 W (25 W + 25 W)
(AC operation, 10 % T.H.D.)
RMS; 25 W (12.5 W + 12.5 W)
(DC operation, 10 % T.H.D.)

Input terminal: Mixing microphone;
600 ohms
CD/LINE; 350 mV/47 kohms

Output terminal: Headphones; 16-50 ohms
(recommended; 32 ohms)

Dimensions: Width; 300 mm (11-13/16")
Height; 240 mm (9-1/2")
Depth; 220 mm (8-11/16")

Weight: 3.8 kg (8.4 lbs.) without batteries

● Radio section

Frequency range: FM; 88 - 108 MHz
SW1; 2.3 - 7.3 MHz
SW2; 7.3 - 22 MHz
MW; 526.5 - 1,606.5 kHz

● Tape recorder section

Frequency response: 60 - 12,000 Hz (Normal tape)

Signal/noise ratio: 40 dB (TAPE 1, recording/playback)
55 dB (TAPE 2, playback)

Wow and flutter: 0.15 % (WRMS)

Motor: DC 9 V electric governor

Bias system: AC bias

Erase system: Magnet erase

● Speaker section

Type: 2-way type

Speakers: 12 cm (4-3/4") free-edge speaker × 2
Tweeter × 2

Impedance: 8 ohms

Dimensions: Width; 235 mm (9-1/4")
Height; 262 mm (10-5/16")
Depth; 220 mm (8-11/16")

Weight: 1.8 kg (4.0 lbs.)/each

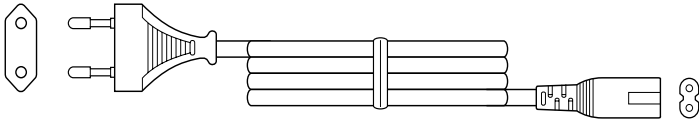
Specifications for this model are subject to change without prior notice.

VOLTAGE SELECTION

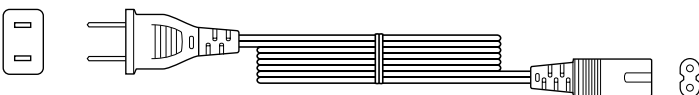
Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows: Slide the AC power supply socket to the visible indication of the side of your local voltage.

AC POWER SUPPLY CORD AND AC PLUG ADAPTOR

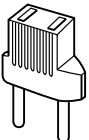
QACCE0007AW00



QACCA0001SJ00

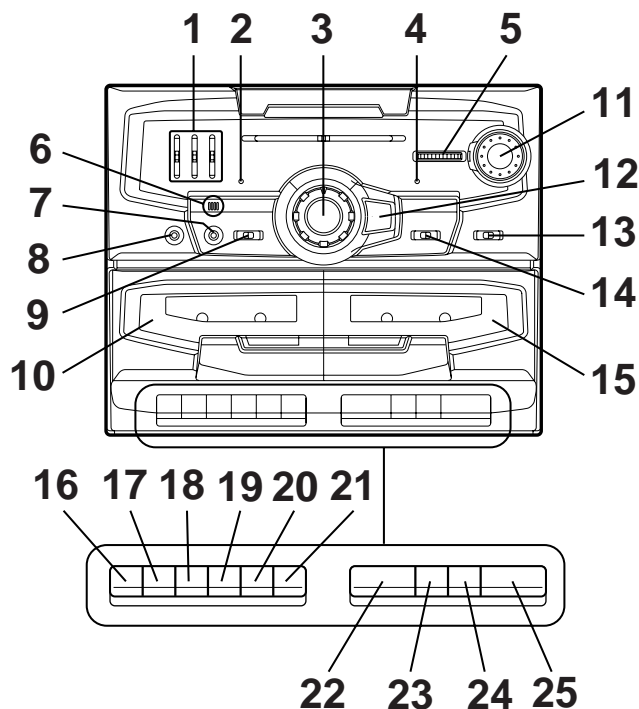


QPLGA0253AFZZ

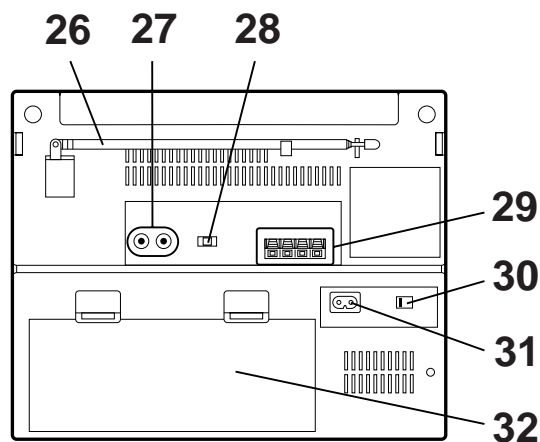


NAMES OF PARTS

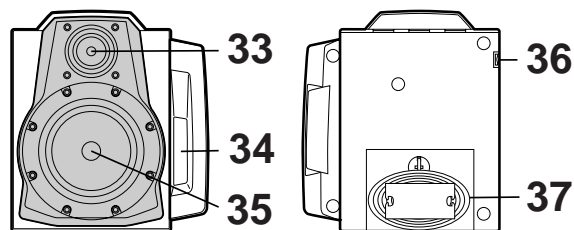
1. Graphic Equalizer Controls
2. Power Indicator
3. Volume Control
4. FM Stereo Indicator
5. Fine Tuning Control
6. Built-in Microphone
7. Mixing Microphone Socket
8. Headphone Socket
9. Function Selector Switch
10. (TAPE 1) Cassette Compartment
11. Tuning Control
12. Extra Bass Switch
13. Band Selector Switch
14. Dubbing Speed/Built-in Microphone/FM Mode Switch
15. (TAPE 2) Cassette Compartment
16. (TAPE 1) Record Button
17. (TAPE 1) Play Button
18. (TAPE 1) Rewind Button
19. (TAPE 1) Fast Forward Button
20. (TAPE 1) Stop/Eject Button
21. (TAPE 1) Pause Button
22. (TAPE 2) Play Button
23. (TAPE 2) Rewind Button
24. (TAPE 2) Fast Forward Button
25. (TAPE 2) Stop/Eject Button



26. FM/SW Telescopic Rod Aerial
27. CD/Line Input Sockets
28. Beat Cancel Switch
29. Speaker Terminals
30. AC Voltage Selector
31. AC Power Input Socket
32. Battery Compartment



33. Tweeter
34. Bass Reflex Duct
35. Woofer
36. Speaker Release Lever
37. Speaker Wire



FITTING OF DIAL POINTER

1. Remove the Main PWB, the Graphic Equalizer PWB, the Volume PWB and the Fine Tuning PWB. (See Figure 5-2 in the "Disassembly" on page 5.)
2. Remove the dial pointer guide and PWB.
3. Insert the dial pointer from (A), lead it under (B), hang it on the tuner gear and then pass it through (C).
4. Replace the Main PWB, the Graphic Equalizer PWB, the Volume PWB and the Fine Tuning PWB.
5. Rotate the tuning knob in the arrow direction until it stops. (Set the tuner variable capacitor to "0" point (F-LOW state).)
6. Adjust the dial pointer so that its stopper becomes the Figure 4-2 position. (Adjust the engagement of the pointer gear and the tuner gear to get the minimum space between the PWB and the stopper.) This position is the "0" point.
7. Screw up the PWB and the dial pointer guide.

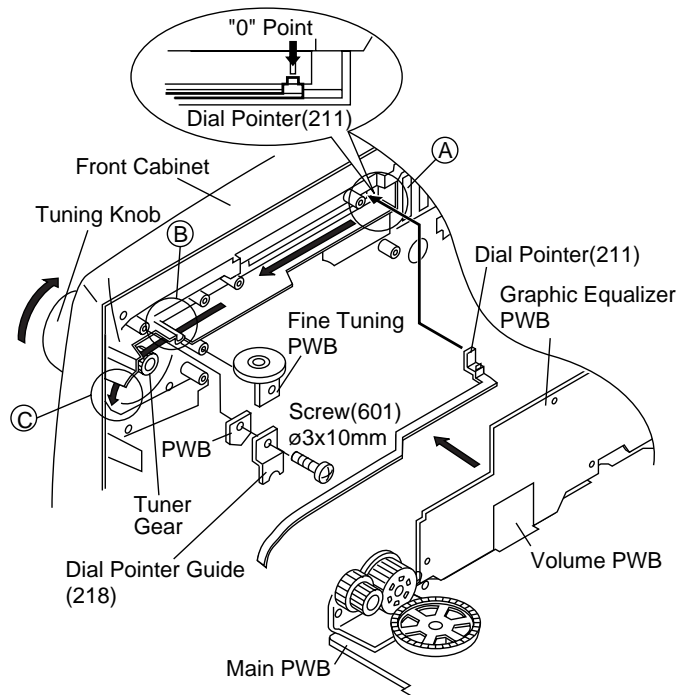


Figure 4-1

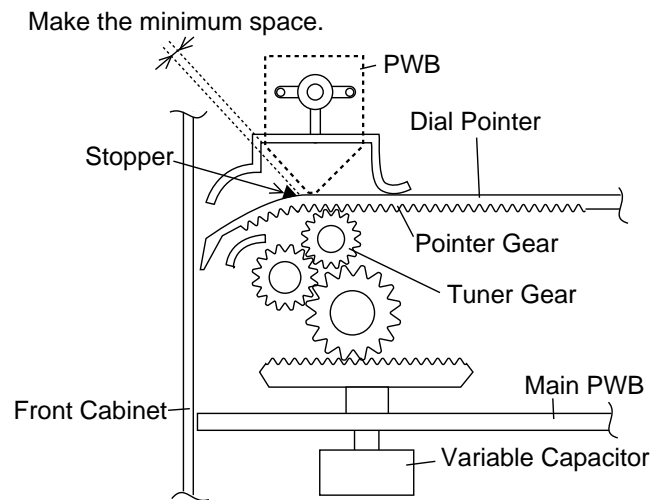


Figure 4-2

DISASSEMBLY

Caution on Disassembly

Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

1. Take cassette tape out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit and remove the batteries from the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

MAIN UNIT

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front Cabinet/ Rear Cabinet	1. Battery Compartment Lid. (A1)x1 2. Screw (A2)x3 3. Screw (A3)x4 4. Socket (A4)x1	5-1
2	Main PWB/ Graphic Equalizer PWB/ Volume PWB/ Fine Tuning PWB	1. Knob (B1)x1 2. Socket (B2)x3 3. Screw (B3)x5 4. Screw (B4)x2 5. Mic (B5)x1	5-2
3	Tape mechanism	1. Open the cassette holder. 2. Screw (C1)x6	5-2
4	Power PWB/ Terminal A PWB/ Terminal B PWB	1. Screw (D1)x3 2. Screw (D2)x2 3. Bracket (D3)x1 4. Screw (D4)x2 5. Hook (D5)x2	5-3

SPEAKER UNIT

STEP	REMOVAL	PROCEDURE	FIGURE
1	Speaker	1. Screw (E1)x5 2. Front Panel (E2)x1 3. Screw (E3)x4	5-4

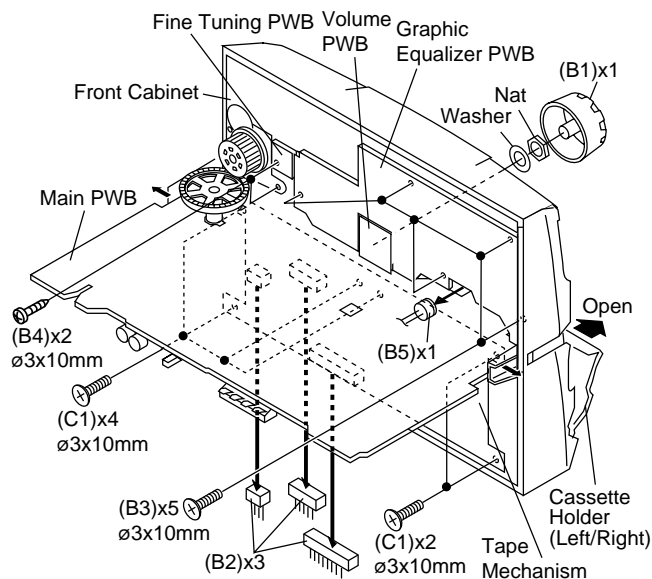


Figure 5-2

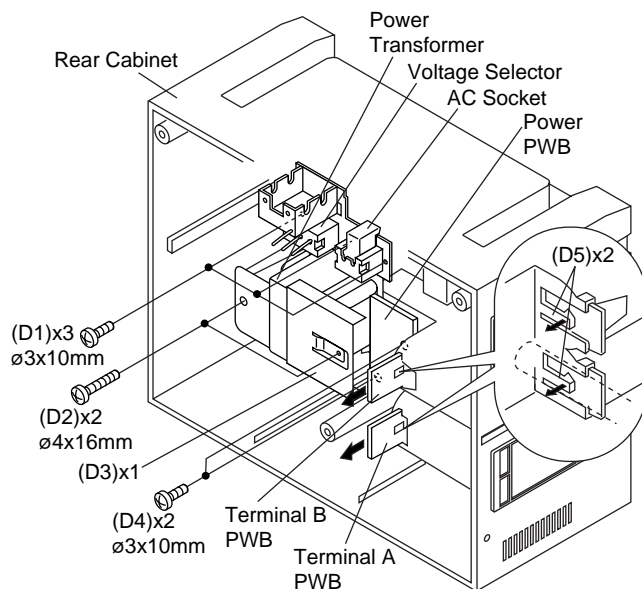


Figure 5-3

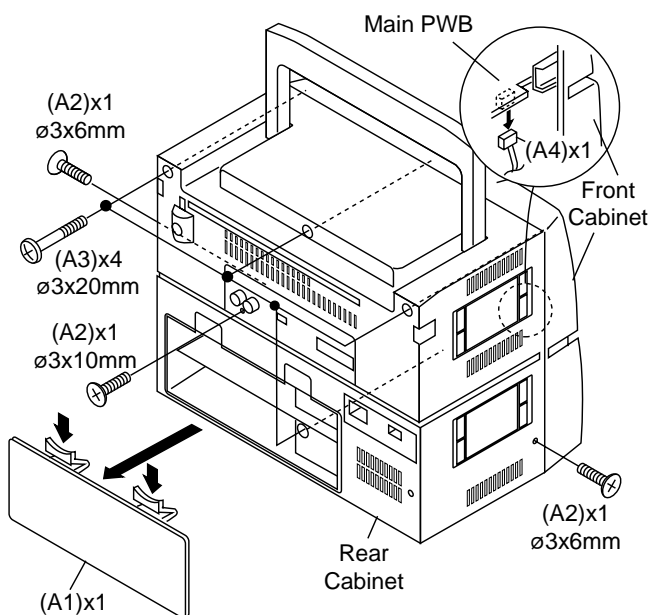


Figure 5-1

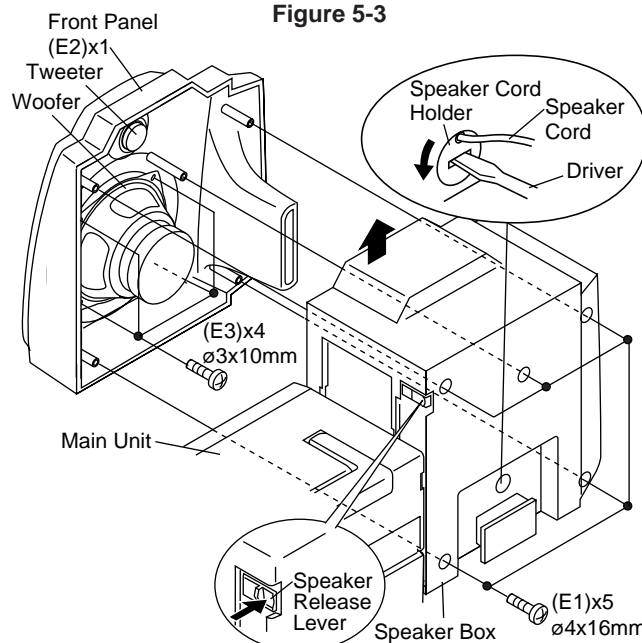


Figure 5-4

ADJUSTMENT

MECHANISM SECTION

• **Driving Force Check**

Torque Meter	Specified Value
Play: TW-2412	Tape 1: Over 60 g Tape 2: Over 60 g

• **Torque Check**

Torque Meter	Specified Value	
	Tape 1	Tape 2
Play: TW-2111	30 to 70 g.cm	30 to 70 g.cm
Fast Forward: TW-2231	Over 55 g.cm	Over 55 g.cm
Rewind: TW-2231	Over 55 g.cm	Over 55 g.cm

• **Head Azimuth**

Test Tape	Instrument Connection
MTT-114	Headphones Socket (Load resistance: 32 ohms)

• **Tape Speed (Normal only)**

Test Tape	Adjustment Point	Specified Value	Instrument Connection
MTT-111	Tape 1,2:VR102	3,000 ± 60 Hz	Headphones Socket (Load resistance: 32 ohms)

DECK SECTION

• **Bias Oscillation**

• **Beat Cancel Switch: C**

Adjustment Point	Specified value	Instrument Connection
L301	100 kHz + 4 kHz	Pin 1 of CNS102

	Specified Value
Beat Cancel	A: 104 ± 4 kHz B: 94 ± 4 kHz C: 100 ± 4 kHz

• **Playback Amplifier Sensitivity Check**

Test tape	Specified value	Instrument Connection
MTT-118	2.5 V ± 3 dB	Speaker terminal (Load resistance: 8 ohms)

TUNER SECTION

fL: Low-range frequency
fH: High-range frequency

• **FM IF/RF**

Test Stage	Specified Value/ Adjusting Point	Instrument Connection
FM IF	L9	Input: FM Antenna Output: Pin 9 of IC2
FM Detection	L10	
FM Band Coverage	fL: L1 fH: TC1	Input: Antenna Output: Headphone Socket (Load resistance: 32 ohms)
FM Tracking	fL(88.0 MHz): L2 fH(108 MHz): TC2	

• **AM IF/RF**

Test Stage	Specified Value/ Adjusting Point	Instrument Connection
AM IF	L11	Input: Antenna Output: Pin 9 of IC2
MW Band Coverage	fL: L6 fH: TC3	Input: Antenna Output: Headphone Socket (Load resistance 32 ohms)
MW Tracking	fL(600 kHz): L3 fH(1,400 kHz): TC4	
SW1 Band Coverage	fL(2.3 MHz): L7 fH(7.3 MHz): TC5	
SW1 Tracking	fL(2.6 MHz): L4 fH(6 MHz): TC6	
SW2 Band Coverage	fL(7.3 MHz): L8 fH(22 MHz): TC7	
SW2 Tracking	fL(8.5 MHz): L5 fH(19 MHz): TC8	

• **VCO Frequency**

Adjustment Point	Specified value	Instrument Connection
VR1	76 kHz ± 200 Hz	Pin 13, Pin 21 and ground of IC2

Note:

After preparing the test circuit shown in Fig. 6, connect the Pin 13, Pin 21 and ground of the IC2 with the test circuit, and measure the value.

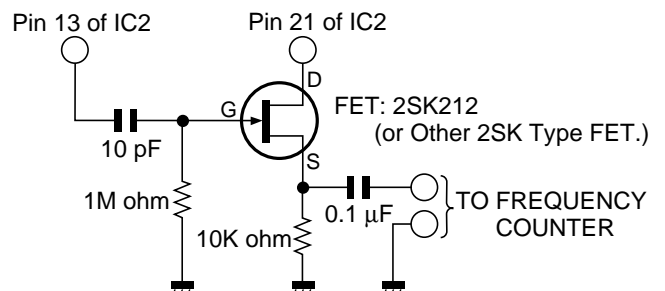


Figure 6 VCO FREQUENCY TEST CIRCUIT

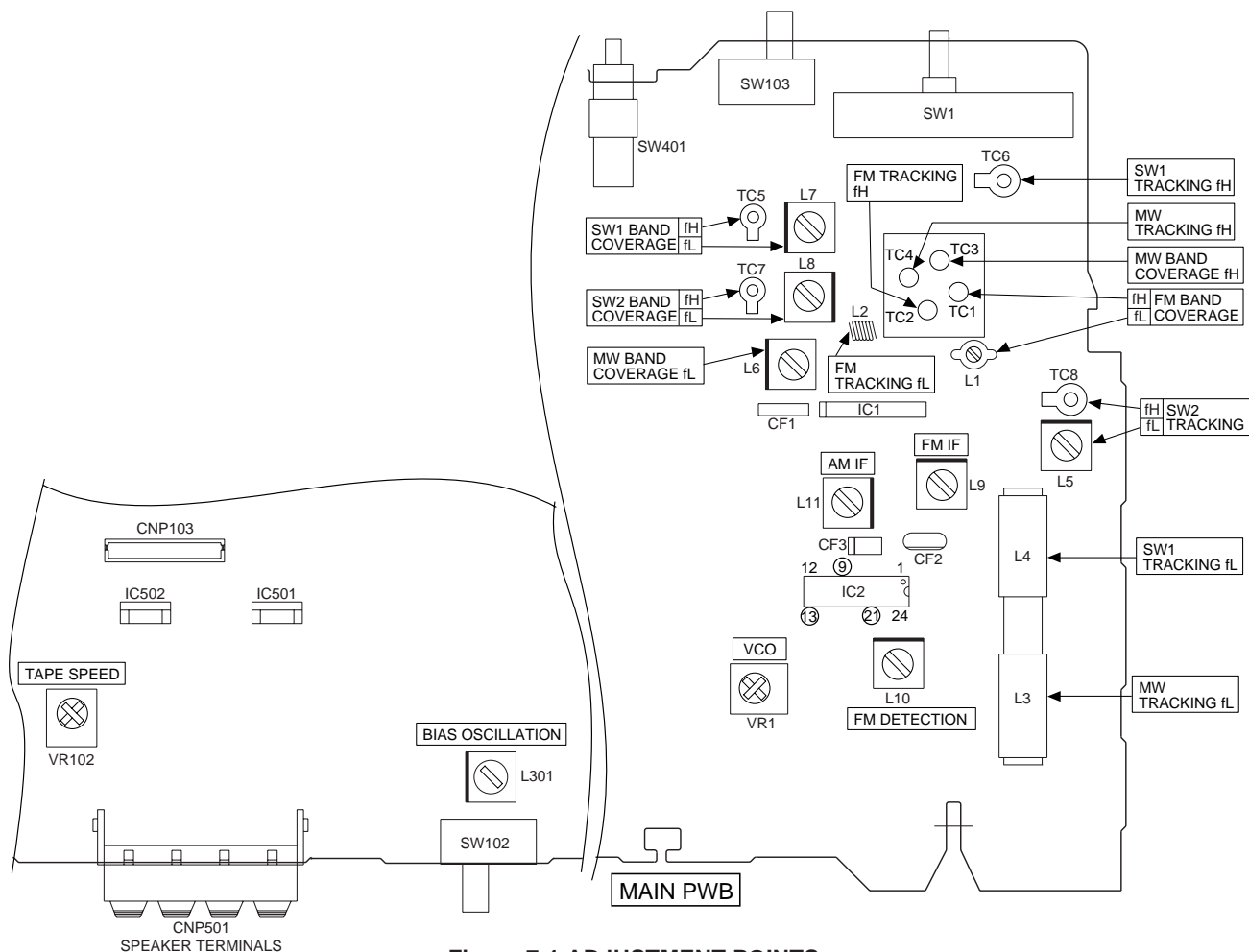
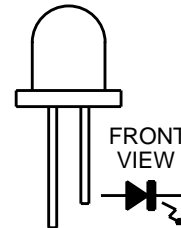
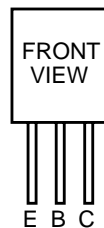


Figure 7-1 ADJUSTMENT POINTS

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
To differentiate the units of resistors, The symbol K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is an ohm resistor. The resistor designated "Fusible" is a fuse type resistor.
- Capacitor:
To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
(CH),(RH),(UJ): Temperature compensation
(ML): Mylar type
(S): Styrol type
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
- Schematic diagram and Wiring Side of P.W. Board for this model are subject to change for improvement without prior notice.
- Parts marked with "⚠" ([]) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO.	DESCRIPTION	POSITION
SW1	BAND SELECTOR	FM
SW101	RECORD/PLAYBACK	PLAYBACK
SW102	BEAT CANCEL	A
SW103	DUBBING SPEED/MIC/FM MODE	MIC/FM MONO
SW401	X-BASS	ON
SW501	FUNCTION SELECTOR	CD/LINE
SW501A	TAPE 2 MAIN	OFF
SW502	TAPE 1 MAIN	OFF
SW503	TAPE 2 PLAY	OFF
SW601	VOLTAGE SELECTOR	AC220-240V



KTA1271 Y
KTC3199 GR
KTC3203 Y

333ID

Figure 7-2 TYPES OF TRANSISTOR AND LED

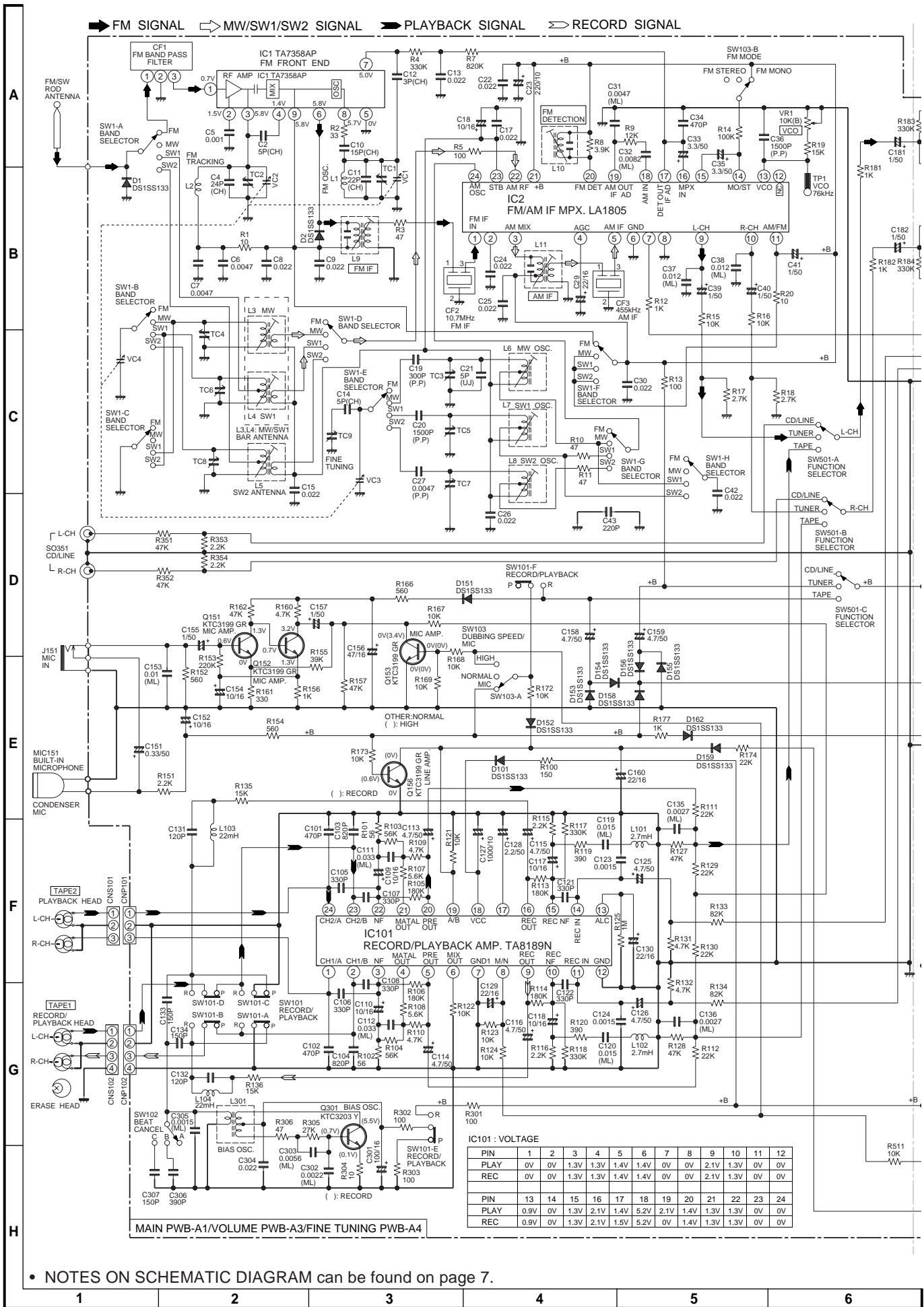


Figure 8 SCHEMATIC DIAGRAM (1/2)

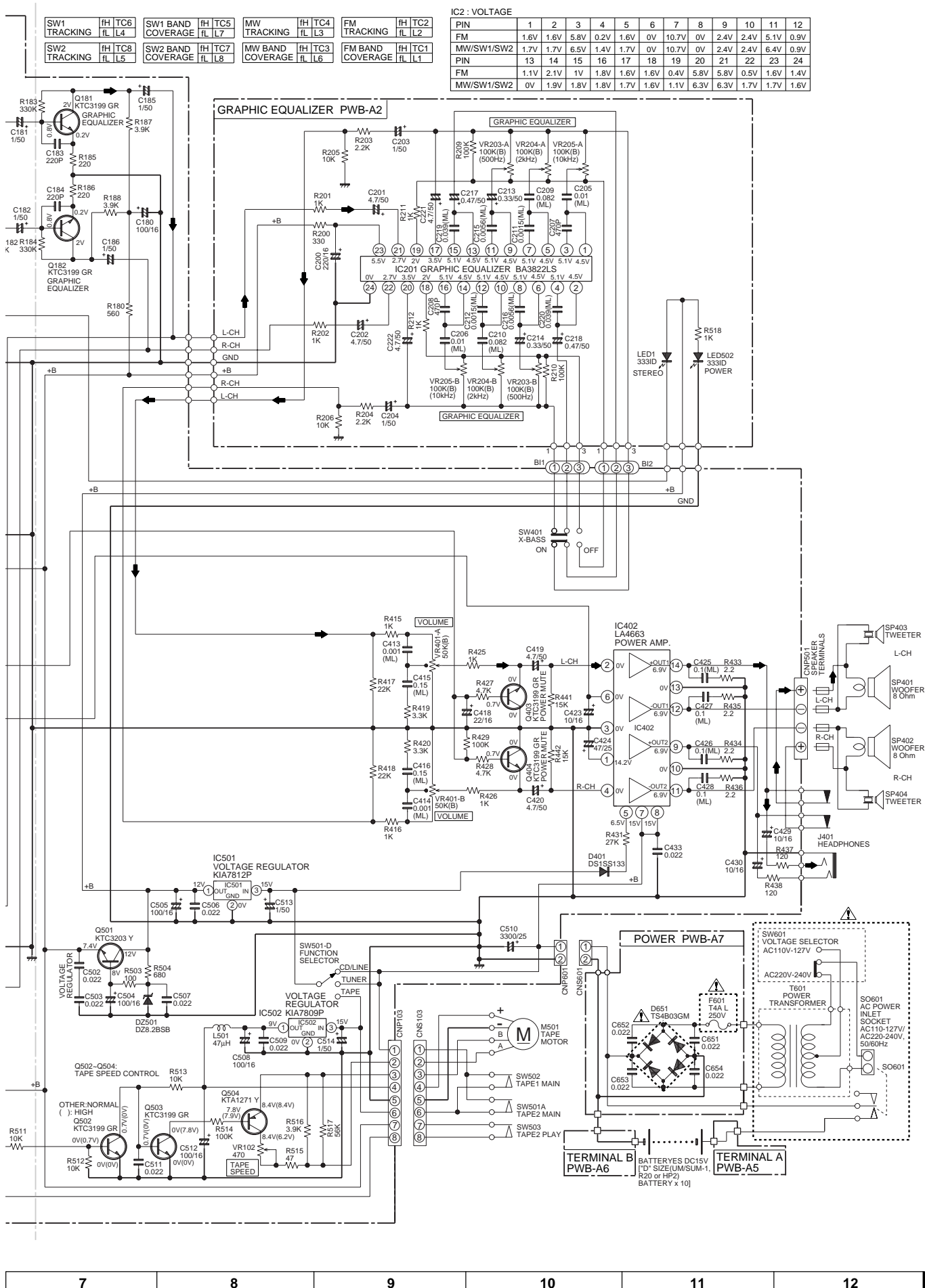
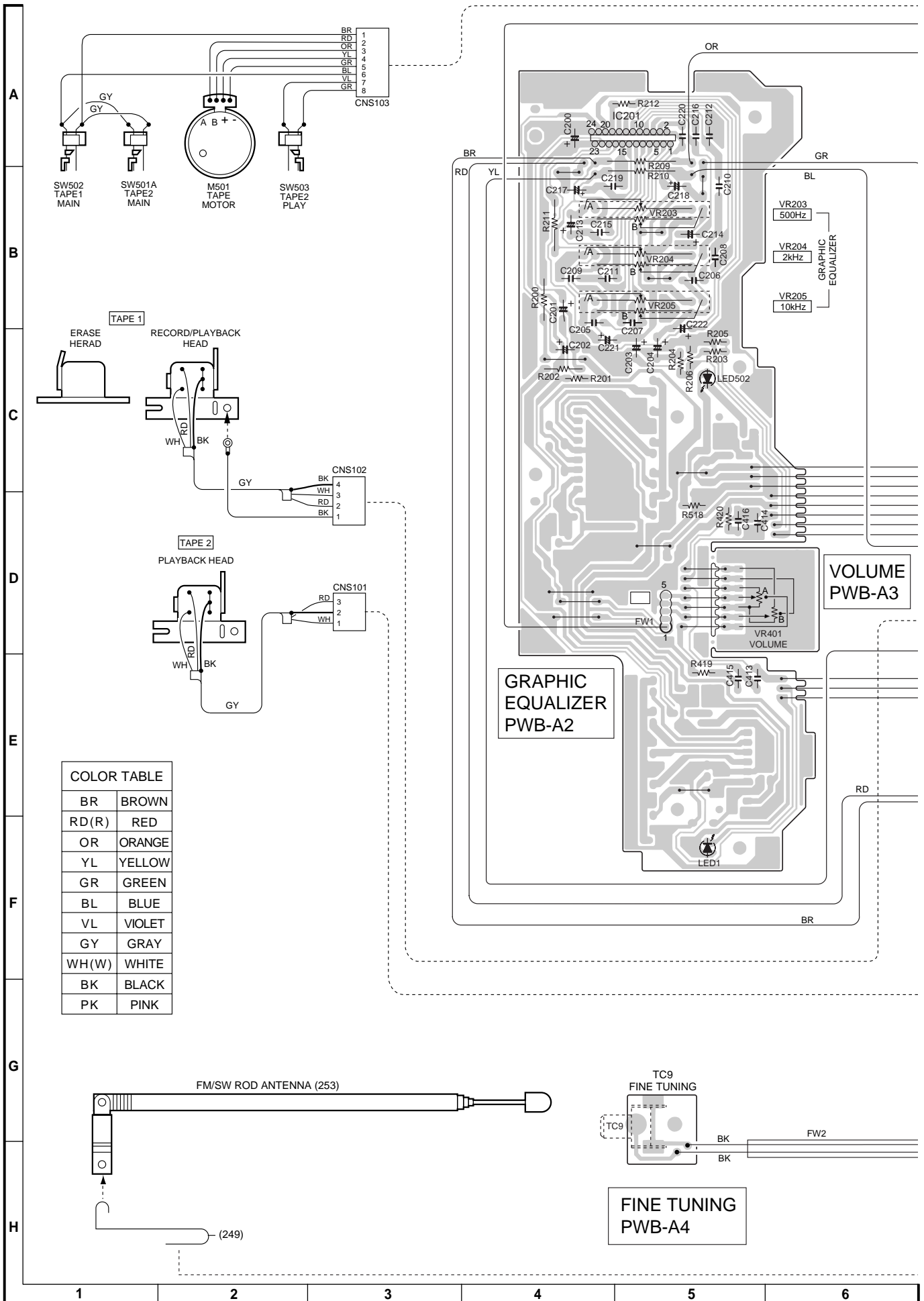


Figure 9 SCHEMATIC DIAGRAM (2/2)

WF-1000W



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 10 WIRING SIDE OF P.W.BOARD (1/3)

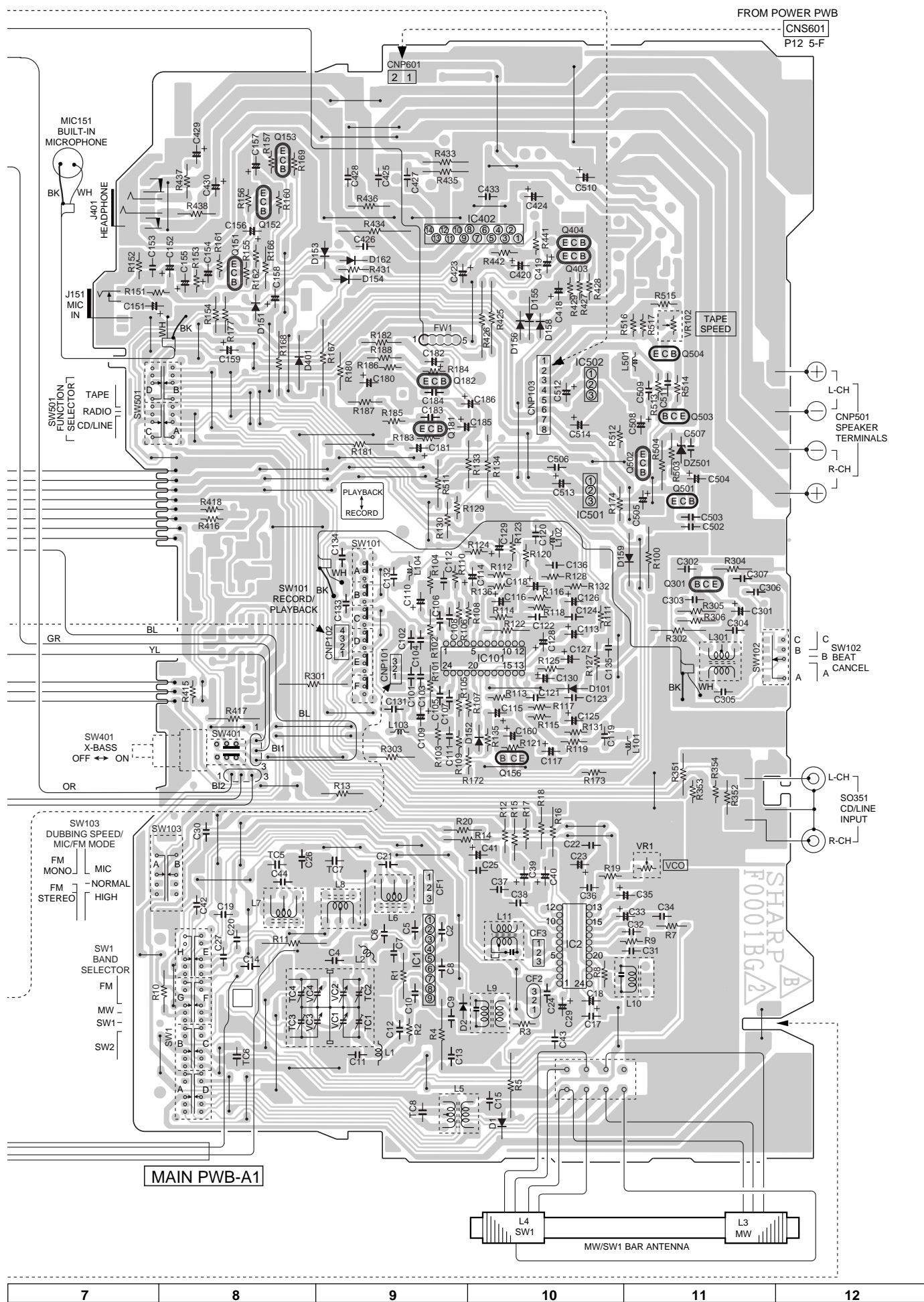
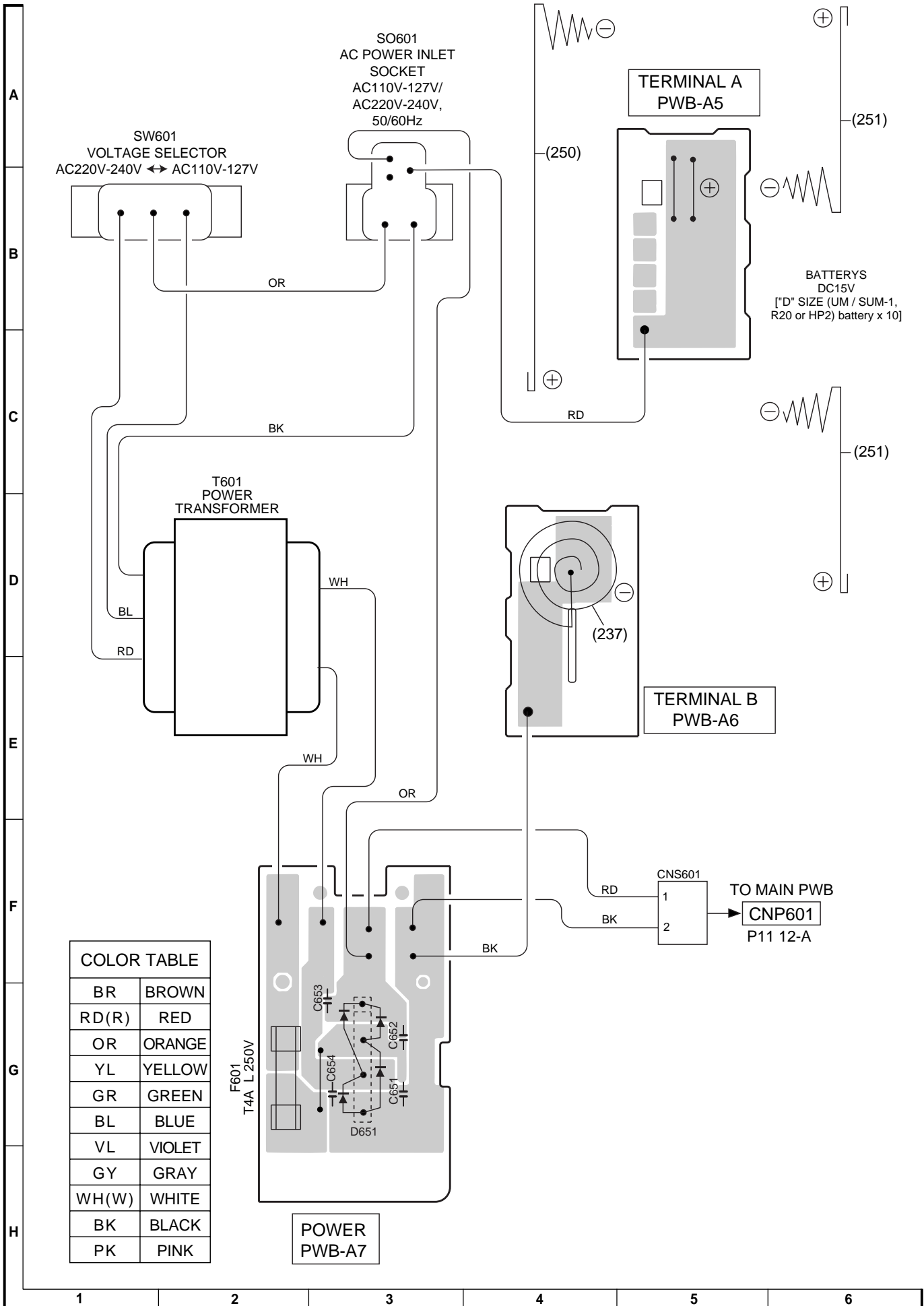


Figure 11 WIRING SIDE OF P.W.BOARD (2/3)

WF-1000W



COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

Figure 12 WIRING SIDE OF P.W.BOARD (3/3)

SHARP PARTS GUIDE

MODEL **WF-1000W(BK)**
WF-1000W(S)

“HOW TO ORDER REPLACEMENT PARTS”

To have your order filled promptly and correctly, please furnish the following information.

- | | |
|-----------------|----------------|
| 1. MODEL NUMBER | 2. REF. No. |
| 3. PART NO. | 4. DESCRIPTION |

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC Ceramic type
 VCK Ceramic type
 VCT Semiconductor type
 VC •• MF Cylindrical type (without lead wire)
 VC •• MN Cylindrical type (without lead wire)
 VC •• TV Square type (without lead wire)
 VC •• TQ Square type (without lead wire)
 VC •• CY Square type (without lead wire)
 VC •• CZ Square type (without lead wire)
 VC J .. The 13th character represents capacity difference.
 ("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
 "C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD Carbon-film type
 VRS Carbon-film type
 VRN Metal-film type
 VR •• MF Cylindrical type (without lead wire)
 VR •• MN Cylindrical type (without lead wire)
 VR •• TV Square type (without lead wire)
 VR •• TQ Square type (without lead wire)
 VR •• CY Square type (without lead wire)
 VR •• CZ Square type (without lead wire)
 VR J .. The 13th character represents error.
 ("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:

Parts marked with “” are important for maintaining the safety of the set.

Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

WF-1000W

NO.	PARTS CODE	★	PRICE RANK	DESCRIPTION
IC1	VHITA7358AP-1	J	AG	FM Front End,TA7358AP
IC2	VHILA1805/-1	J	AM	FM/AM IF MPX.,LA1805
IC101	VHITA8189N/-1	J	AM	Record/Playback Amp.,TA8189N
IC201	VHIBA3822LS-1	J	J	Graphic Equalizer,BA3822LS
IC402	VHILA4663/-1	J	J	Power Amp.,LA4663
IC501	VHIKIA7812P-1	J	AE	Voltage Regulator,KIA7812P
IC502	VHIKIA7809P-1	J	J	Voltage Regulator,KIA7809P

TRANSISTORS

Q151-153	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q156	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q181,182	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q301	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q403,404	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q501	VSKTC3203Y/-1	J	AC	Silicon,NPN,KTC3203 Y
Q502,503	VSKTC3199GR-1	J	AB	Silicon,NPN,KTC3199 GR
Q504	VSKTA1271Y/-1	J	AC	Silicon,PNP,KTA1271 Y

DIODES

D1,2	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D101	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D151-156	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D158,159	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D162	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
D401	VHDDS1SS133-1	J	AB	Silicon,DS1SS133
△ D651	VHDT54B03GM-1	J	AK	Silicon,TS4B03GM
DZ501	VHEDZ8R2BSB-1	J	AB	Zener,8.2V,DZ8.2BSB
LED1	VHP333ID///-1	J	J	LED,Red,333ID
LED502	VHP333ID///-1	J	J	LED,Red,333ID

FILTERS

CF1	RFILR0008AWZZ	J	AE	FM Band Pass Filter
CF2	RFILF0106AFZZ	J	AC	FM IF,10.7 MHz
CF3	RFILA0057AFZZ	J	AD	AM IF,455 kHz

TRANSFORMER

△ T601	RTRNP0001BGZZ	J	J	Power
--------	---------------	---	---	-------

COILS

L1	RCILB0001BGZZ	J	J	FM Oscillation
L2	RCILR0001BGZZ	J	J	FM Tracking
L3,4	RCILA0001BGZZ	J	J	MW/SW1 Bar Antenna
L5	RCILA0003BGZZ	J	J	SW2 Antenna
L6	RCILB0002BGZZ	J	J	MW Oscillation
L7	RCILB0003BGZZ	J	J	SW1 Oscillation
L8	RCILB0004BGZZ	J	J	SW2 Oscillation
L9	RCILI0002BGZZ	J	J	FM IF
L10	RCILI0003BGZZ	J	J	FM Detection
L11	RCILI0001BGZZ	J	J	AM IF
L101,102	VP-MK272K0000	J	J	2.7 mH,Choke
L103,104	VP-MK223K0000	J	J	22 mH,Choke
L301	RCILB0005BGZZ	J	J	Bias Oscillation
L501	VP-MK470K0000	J	AB	47 μH,Choke

VARIABLE RESISTORS

VR1	RVR-M0026AWZZ	J	AC	10 kohm (B),Semi-VR [VCO]
VR102	RVR-M0018AWZZ	J	J	470 ohms (B),Semi-VR [Tape Speed]
VR203-205	RVR-Q0001BGZZ	J	J	100 kohm (B)×2 [Graphic Equalizer]
VR401	RVR-B0001BGZZ	J	J	50 kohms (B)×2 [Volume]

VARIABLE CAPACITORS

TC5,6	RTO-H1003SJZZ	J	AG	Trimmer,5 pF
TC7,8	RTO-H1001BGZZ	J	J	Trimmer,10 pF
TC9	RVC-Z0001BGZZ	J	J	Fine Tuning
VC1-4	RVC-R0001BGZZ	J	J	Variable Capacitance with Trimmer (TC1-4)

CAPACITORS

C2	VCCCPU1HH5R0J	J	AA	5 pF (CH),50V
C4	VCCCPU1HH240J	J	AA	24 pF (CH),50V
C5	VCKYPA1HB102K	J	AA	0.001 μF,50V
C6,7	VCKYPA1HB472K	J	AB	0.0047 μF,50V
C8,9	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C10	VCCCPU1HH150J	J	AA	15 pF (CH),50V
C11	VCCCPU1HH220J	J	AA	22 pF (CH),50V
C12	VCCCPU1HH3R0J	J	AA	3 pF (CH),50V
C13	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C14	VCCCPU1HH5R0J	J	AA	5 pF (CH),50V
C15	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C17	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C18	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C19	VCQPKV2AA301J	J	J	300 pF,100V,Polypropylene
C20	VCQPKV2AA152J	J	J	1500 pF,100V,Polypropylene
C21	VCCUPA1HH5R0C	J	J	5 pF (UJ),50V
C22	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C23	RC-GZA227AF1A	J	AB	220 μF,10V,Electrolytic
C24-26	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C27	VCQPKV2AA472J	J	AB	0.0047 μF,100V,Polypropylene
C29	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic
C30	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C31	VCQYKA1HM472K	J	AB	0.0047 μF,50V,Mylar
C32	VCQYKA1HM822K	J	AA	0.0082 μF,50V,Mylar
C33	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C34	VCKYPA1HB471K	J	AA	470 pF,50V
C35	RC-GZA335AF1H	J	AB	3.3 μF,50V,Electrolytic
C36	VCQPKV2AA152J	J	J	1500 pF,100V,Polypropylene
C37,38	VCQYKA1HM123K	J	AA	0.012 μF,50V,Mylar
C39-41	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C42	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C43	VCKYPA1HB221K	J	AA	220 pF,50V
C101,102	VCKYPA1HB471K	J	AA	470 pF,50V
C103,104	VCKYPA1HB821K	J	AA	820 pF,50V
C105-108	VCKYPA1HB331K	J	AA	330 pF,50V
C109,110	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C111,112	VCQYKA1HM333K	J	AB	0.033 μF,50V,Mylar
C113-116	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C117,118	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C119,120	VCQYKA1HM153K	J	AB	0.015 μF,50V,Mylar
C121,122	VCKYPA1HB331K	J	AA	330 pF,50V
C123,124	VCKYPA1HB152K	J	AA	0.0015 μF,50V
C125,126	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C127	RC-GZA108AF1A	J	AD	1000 μF,10V,Electrolytic
C128	RC-GZA225AF1H	J	AB	2.2 μF,50V,Electrolytic
C129,130	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic
C131,132	VCKYPA1HB121K	J	AA	120 pF,50V
C133,134	VCKYPA1HB151K	J	AA	150 pF,50V
C135,136	VCQYKA1HM272K	J	AA	0.0027 μF,50V,Mylar
C151	RC-GZA334AF1H	J	AA	0.33 μF,50V,Electrolytic
C152	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C153	VCQYKA1HM103K	J	AA	0.01 μF,50V,Mylar
C154	RC-GZA106AF1C	J	AB	10 μF,16V,Electrolytic
C155	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C156	RC-GZA476AF1C	J	AB	47 μF,16V,Electrolytic
C157	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C158,159	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C160	RC-GZA226AF1C	J	AB	22 μF,16V,Electrolytic
C180	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C181,182	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C183,184	VCKYPA1HB221K	J	AA	220 pF,50V
C185,186	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C200	RC-GZA227AF1C	J	AB	220 μF,16V,Electrolytic
C201,202	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C203,204	RC-GZA105AF1H	J	AB	1 μF,50V,Electrolytic
C205,206	VCQYKA1HM103K	J	AA	0.01 μF,50V,Mylar
C207,208	VCKYPA1HB471K	J	AA	470 pF,50V
C209,210	VCQYKA1HM823K	J	AC	0.082 μF,50V,Mylar
C211,212	VCQYKA1HM152K	J	AB	0.0015 μF,50V,Mylar
C213,214	RC-GZA334AF1H	J	AA	0.33 μF,50V,Electrolytic
C215,216	VCQYKA1HM562K	J	AA	0.0056 μF,50V,Mylar
C217,218	RC-GZA474AF1H	J	AA	0.47 μF,50V,Electrolytic
C219,220	VCQYKA1HM393K	J	AB	0.039 μF,50V,Mylar
C221,222	RC-GZA475AF1H	J	AB	4.7 μF,50V,Electrolytic
C301	RC-GZA107AF1C	J	AB	100 μF,16V,Electrolytic
C302	VCQYKA1HM222K	J	AA	0.0022 μF,50V,Mylar
C303	VCQYKA1HM562K	J	AA	0.0056 μF,50V,Mylar
C304	VCKZPA1HF223Z	J	AA	0.022 μF,50V
C305	VCQYKA1HM152K	J	AB	0.0015 μF,50V,Mylar

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
C306	VCKYPA1HB391K	J AA	390 pF,50V
C307	VCKYPA1HB151K	J AA	150 pF,50V
C413,414	VCQYKA1HM102K	J AA	0.001 μF,50V,Mylar
C415,416	VCQYKA1HM154K	J AB	0.15 μF,50V,Mylar
C418	RC-GZA226AF1C	J AB	22 μF,16V,Electrolytic
C419,420	RC-GZA475AF1H	J AB	4.7 μF,50V,Electrolytic
C423	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C424	RC-GZA476AF1E	J AB	47 μF,25V,Electrolytic
C425-428	VCQYKA1HM104K	J AB	0.1 μF,50V,Mylar
C429,430	RC-GZA106AF1C	J AB	10 μF,16V,Electrolytic
C433	VCKZPA1HF223Z	J AA	0.022 μF,50V
C502,503	VCKZPA1HF223Z	J AA	0.022 μF,50V
C504,505	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C506,507	VCKZPA1HF223Z	J AA	0.022 μF,50V
C508	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C509	VCKZPA1HF223Z	J AA	0.022 μF,50V
C510	RC-GZW338AF1E	J AG	3300 μF,25V,Electrolytic
C511	VCKZPA1HF223Z	J AA	0.022 μF,50V
C512	RC-GZA107AF1C	J AB	100 μF,16V,Electrolytic
C513,514	RC-GZA105AF1H	J AB	1 μF,50V,Electrolytic
C651-654	VCKZPA1HF223Z	J AA	0.022 μF,50V

RESISTORS

R1	VRD-ST2EE100J	J AA	10 ohm,1/4W
R2	VRD-ST2CD330J	J AA	33 ohms,1/6W
R3	VRD-ST2CD470J	J AA	47 ohms,1/6W
R4	VRD-ST2CD334J	J AA	330 kohms,1/6W
R5	VRD-ST2CD101J	J AA	100 ohm,1/6W
R7	VRD-ST2CD824J	J AA	820 kohms,1/6W
R8	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R9	VRD-ST2CD123J	J AA	12 kohms,1/6W
R10,11	VRD-ST2EE470J	J AA	47 ohms,1/4W
R12	VRD-ST2CD102J	J AA	1 kohm,1/6W
R13	VRD-ST2EE101J	J AA	100 ohm,1/4W
R14	VRD-ST2CD104J	J AA	100 kohm,1/6W
R15,16	VRD-ST2CD103J	J AA	10 kohm,1/6W
R17,18	VRD-ST2CD272J	J AA	2.7 kohms,1/6W
R19	VRD-ST2CD153J	J AA	15 kohms,1/6W
R20	VRD-ST2EE100J	J AA	10 ohm,1/4W
R100	VRD-ST2EE151J	J AA	150 ohms,1/4W
R101,102	VRD-ST2CD560J	J AA	56 ohms,1/6W
R103,104	VRD-ST2CD563J	J AA	56 kohms,1/6W
R105,106	VRD-ST2CD184J	J AA	180 kohms,1/6W
R107,108	VRD-ST2CD562J	J AA	5.6 kohms,1/6W
R109,110	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R111,112	VRD-ST2CD223J	J AA	22 kohms,1/6W
R113,114	VRD-ST2CD184J	J AA	180 kohms,1/6W
R115,116	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R117,118	VRD-ST2CD334J	J AA	330 kohms,1/6W
R119,120	VRD-ST2CD391J	J AA	390 ohms,1/6W
R121-124	VRD-ST2CD103J	J AA	10 kohm,1/6W
R125	VRD-ST2CD105J	J AA	1 Mohm,1/6W
R127,128	VRD-ST2CD473J	J AA	47 kohms,1/6W
R129,130	VRD-ST2CD223J	J AA	22 kohms,1/6W
R131,132	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R133,134	VRD-ST2CD823J	J AA	82 kohms,1/6W
R135,136	VRD-ST2CD153J	J AA	15 kohms,1/6W
R151	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R152	VRD-ST2CD561J	J AA	560 ohms,1/6W
R153	VRD-ST2CD224J	J AA	220 kohms,1/6W
R154	VRD-ST2CD561J	J AA	560 ohms,1/6W
R155	VRD-ST2CD393J	J AA	39 kohms,1/6W
R156	VRD-ST2CD102J	J AA	1 kohm,1/6W
R157	VRD-ST2CD473J	J AA	47 kohms,1/6W
R160	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R161	VRD-ST2CD331J	J AA	330 ohms,1/6W
R162	VRD-ST2CD473J	J AA	47 kohms,1/6W
R166	VRD-ST2EE561J	J AA	560 ohms,1/4W
R167-169	VRD-ST2CD103J	J AA	10 kohm,1/6W
R172,173	VRD-ST2CD103J	J AA	10 kohm,1/6W
R174	VRD-ST2CD223J	J AA	22 kohms,1/6W
R176	VRD-ST2CD224J	J AA	220 kohms,1/6W
R177	VRD-ST2CD102J	J AA	1 kohm,1/6W
R180	VRD-ST2EE561J	J AA	560 ohms,1/4W
R181,182	VRD-ST2CD102J	J AA	1 kohm,1/6W
R183,184	VRD-ST2CD334J	J AA	330 kohms,1/6W
R185,186	VRD-ST2CD221J	J AA	220 ohms,1/6W
R187,188	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R200	VRD-ST2EE331J	J AA	330 ohms,1/4W
R201,202	VRD-ST2CD102J	J AA	1 kohm,1/6W

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
R203,204	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R205,206	VRD-ST2CD103J	J AA	10 kohm,1/6W
R209,210	VRD-ST2CD104J	J AA	100 kohm,1/6W
R211,212	VRD-ST2CD102J	J AA	1 kohm,1/6W
R301-303	VRD-ST2EE101J	J AA	100 ohm,1/4W
R304	VRD-ST2EE100J	J AA	10 ohm,1/4W
R305	VRD-ST2EE273J	J AA	27 kohms,1/4W
R306	VRD-ST2EE470J	J AA	47 ohms,1/4W
R351,352	VRD-ST2CD473J	J AA	47 kohms,1/6W
R353,354	VRD-ST2CD222J	J AA	2.2 kohms,1/6W
R415,416	VRD-ST2CD102J	J AA	1 kohm,1/6W
R417,418	VRD-ST2CD223J	J AA	22 kohms,1/6W
R419,420	VRD-ST2CD332J	J AA	3.3 kohms,1/6W
R425,426	VRD-ST2CD102J	J AA	1 kohm,1/6W
R427,428	VRD-ST2CD472J	J AA	4.7 kohms,1/6W
R429	VRD-ST2CD104J	J AA	100 kohm,1/6W
R431	VRD-ST2CD273J	J AA	27 kohms,1/6W
R433-436	VRD-ST2CD2R2J	J AA	2.2 ohms,1/6W
R437,438	VRD-ST2EE121J	J AA	120 ohms,1/4W
R441,442	VRD-ST2CD153J	J AA	15 kohms,1/6W
R503	VRD-ST2EE101J	J AA	100 ohm,1/4W
R504	VRD-ST2EE681J	J AA	680 ohms,1/4W
R511-513	VRD-ST2CD103J	J AA	10 kohm,1/6W
R514	VRD-ST2CD104J	J AA	100 kohm,1/6W
R515	VRD-ST2CD470J	J AA	47 ohms,1/6W
R516	VRD-ST2CD392J	J AA	3.9 kohms,1/6W
R517	VRD-ST2CD563J	J AA	56 kohms,1/6W
R518	VRD-ST2CD102J	J AA	1 kohm,1/6W

OTHER CIRCUITRY PARTS

BI1	QCNWN0024BGZZ	J	Board in Lead wire,3Pin
BI2	QCNWN0025BGZZ	J	Board in Lead wire,3Pin
CNP101	QCNCM705CAFZZ	J AA	Plug,3Pin
CNP102	QCNCM705DAFZZ	J AB	Plug,4Pin
CNP103	QCNCM698HAFZZ	J AC	Plug,8Pin
CNP501	QTANA0404AWZZ	J AF	Terminal,Speaker
CNP601	QCNCM698BAFZZ	J AA	Plug,2Pin
CNS101	QCNWN0023BGZZ	J	Connector Ass'y,3Pin
CNS102	QCNWN0022BGZZ	J	Connector Ass'y,4Pin
CNS103	QCNWN0020BGZZ	J	Connector Ass'y,8Pin
CNS601	QCNWN0006BGZZ	J	Connector Ass'y,2Pin
△ F601	QFS-C402ABGNI	J	Fuse,T4A L 250V
FW1	QCNWN0011BGZZ	J	Flat Wire,5Pin
FW2	QCNWN0014BGZZ	J	Flat Wire,2Pin
J151	QJAKA0001BGZZ	J	Jack,Mic
J401	QJAKM0001BGZZ	J	Jack,Headphones
M501(300-9)	9GK1921123187	J	Motor with Pulley [Tape]
MIC151	RMICC0001BGZZ	J	Built-in Microphone
SO351	QSOCJ0001BGZZ	J	Jack,CD/LINE Input
△ SP601	QSOCA0002SJZZ	J AK	AC Inlet Socket
SP401,402	VSP0012PBF88A	J	Speaker,Woofers
SP403,404	RALMB0001BGZZ	J	Speaker,Tweeter
SW1	QSW-S9001BGZZ	J	Switch,Slide Type [Band Selector]
SW101	QSW-S9002BGZZ	J	Switch,Slide Type [Record/Playback]
SW102	QSW-S9003BGZZ	J	Switch,Slide Type [Beat Cancel]
SW103	QSW-S9004BGZZ	J	Switch,Slide Type [Dubbing Speed/Mic/FM Mode]
SW401	QSW-P9001BGZZ	J	Switch,Push Type [X-BASS]
SW501	QSW-S9005BGZZ	J	Switch,Slide Type [Function Selector]
SW501A(300-10)	9GK640101149	J AE	Switch,Leaf Type [Tape 2 Main]
SW502(300-11)	9GK640101149	J AE	Switch,Leaf Type [Tape 1 Main]
SW503(300-12)	9GK640101161	J	Switch,Leaf Type [Tape 2 Play]
△ SW601	QSW-S0004SJZZ	J AK	Switch,Slide Type [Voltage Selector]

WF-1000W

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION	NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
CABINET PARTS							
201	GCABA1002BGSA	J	Front Cabinet [S]	264	TSPC-0008BGZZ	J	Label,Specifications [S] [For Malaysia/Asia Middle East/ Africa/Syria]
201	GCABA1002BGSB	J	Front Cabinet [BK]	264	TSPC-0009BGZZ	J	Label,Specifications [BK] [For Malaysia/Asia Middle East/ Africa/Syria]
202	GFTAC0003BGSA	J	Cassette Holder [Tape 1] [S]	264	TSPC-0014BGZZ	J	Label,Specifications [S] [For Jordan/Egypt/Saudi Arabia]
202	GFTAC0003BGSB	J	Cassette Holder [Tape 1] [BK]	264	TSPC-0015BGZZ	J	Label,Specifications [BK] [For Jordan/Egypt/Saudi Arabia]
203	GFTAC0004BGSA	J	Cassette Holder [Tape 2] [S]	△ 265	QFSDH0001AWZZ	J AB	Holder,Fuse
203	GFTAC0004BGSB	J	Cassette Holder [Tape 2] [BK]	266	PRDAR0002BGZZ	J	Heat Sink,Sub
204	HBDGA1001BGSA	J	Badge,SHARP	300	CMECB0002BG01	J	Tape Mechanism Ass'y
205	HBDGS1002BGSA	J	Sheet,Extra-Bass System	300- 1	9GK192104309	J AE	Pinch Roller Arm Ass'y
206	HDECQ0009BGSA	J	Panel,Display	300- 2	9GK192104309	J AE	Pinch Roller Arm Ass'y,Fast Forward
207	HDECQ0004BGSA	J	Ring,Volume Knob	300- 3	9GK6201-01-111	J	Head,Record/Playback,Tape 1
208	HDECQ0010BGSA	J	Panel,Cassette Holder [Tape 1]	300- 4	9GK6209-10-10	J	Head,Erase,Tape 1
209	HDECQ0011BGSA	J	Panel,Cassette Holder [Tape 2]	300- 5	9GK6201-01-111	J	Head,Playback,Tape 2
210	HDECZ0001BGSA	J	Panel,Dial Pointer	300- 6	9GK19210703	J AB	FF/REW Belt
211	HSSND0001BGSA	J	Dial Pointer	300- 7	9GK19210940	J AC	Main Belt,Tape 1
212	JKNBQ0001BGSA	J	Knob,Tuning	300- 8	9GK19210940	J AC	Main Belt,Tape 2
213	LANGT0001BGFW	J	Bracket,Front Cabinet	300- 9(M501)	9GK1921123187	J	Motor with Pulley [Tape]
214	MLIFP0001BGZZ	J	Gear,Cassette Holder	300-10(SW501A)	9GK640101149	J AE	Switch,Leaf Type [Tape 2 Main]
215	MSPRD0001BGFW	J	Spring,Cassette Holder Up	300-11(SW502)	9GK640101149	J AE	Switch,Leaf Type [Tape 1 Main]
216	NGERH0002BGZZ	J	Gear,Tuning Knob	300-12(SW503)	9GK640101161	J	Switch,Leaf Type [Tape 2 Play]
217	PCOVSV7001BGZZ	J	Shield Paper,Graphic Equalizer	601	XEBSD30P10000	J AA	Screw,ø3×10mm
218	LANGG0001BGFW	J	Guide,Dial Pointer	602	XJBSD30P08000	J AA	Screw,ø3×8mm
219	HDECQ0005BGSA	J	Cap,Volume Knob	603	XBPSD26P04JS0	J	Screw,ø2.6×4mm
220	JKNBK0001BGSA	J	Knob,Volume	604	XHBSD20P04000	J AA	Screw,ø2×4mm
221	9GKNBAND1318A	J	Nylon Band	605	XJSSD30P10000	J AA	Screw,ø3×10mm
222	JBTN-0001BGSA	J	Button,Record [Tape 1] [S]	606	XBBSF30P10000	J AA	Screw,ø3×10mm
222	JBTN-0001BGSB	J	Button,Record [Tape 1] [BK]	607	XJBSD40P16000	J	Screw,ø4×16mm
223	JBTN-0002BGSA	J	Button,Play [Tape 1] [S]	608	XEBSD30P20000	J AA	Screw,ø3×20mm
223	JBTN-0002BGSB	J	Button,Play [Tape 1] [BK]	609	XHSSF30P06000	J AA	Screw,ø3×6mm
224	JBTN-0003BGSA	J	Button,Rewind [Tape 1] [S]	610	XJSSF30P10000	J AA	Screw,ø3×10mm
224	JBTN-0003BGSB	J	Button,Rewind [Tape 1] [BK]	611	LX-JZ0002AWFD	J AA	Screw,ø3×10mm
225	JBTN-0004BGSA	J	Button,Fast Forward [Tape 1] [S]	SPEAKER BOX PARTS			
225	JBTN-0004BGSB	J	Button,Fast Forward [Tape 1] [BK]	301	CCAB-100LBG01K	J	Front Panel,Ass'y,Left [BK]
226	JBTN-0005BGSA	J	Button,Stop/Eject [Tape 1] [S]	301	CCAB-100LBG01S	J	Front Panel,Ass'y,Left [S]
226	JBTN-0005BGSB	J	Button,Stop/Eject [Tape 1] [BK]	302	CCAB-100RBG01K	J	Front Panel,Ass'y,Right [BK]
227	JBTN-0006BGSA	J	Button,Pause [Tape 1] [S]	302	CCAB-100RBG01S	J	Front Panel,Ass'y,Right [S]
227	JBTN-0006BGSB	J	Button,Pause [Tape 1] [BK]	303	GCABD1001BGSA	J	Speaker Box,Left [S]
229	JBTN-0013BGSA	J	Button,Play [Tape 2] [S]	303	GCABD1001BGSB	J	Speaker Box,Left [BK]
229	JBTN-0013BGSB	J	Button,Play [Tape 2] [BK]	304	GCABF1001BGSA	J	Speaker Box,Right [S]
230	JBTN-0014BGSA	J	Button,Rewind [Tape 2] [S]	304	GCABF1001BGSB	J	Speaker Box,Right [BK]
230	JBTN-0014BGSB	J	Button,Rewind [Tape 2] [BK]	305	GLEGG0001BG00	J	Cushion,Leg,Speaker
231	JBTN-0015BGSA	J	Button,Fast Forward [Tape 2] [S]	306	LHLDW1001BGSA	J	Holder,Speaker Cord [S]
231	JBTN-0015BGSB	J	Button,Fast Forward [Tape 2] [BK]	306	LHLDW1001BGSB	J	Holder,Speaker Cord [BK]
232	JBTN-0016BGSA	J	Button,Stop/Eject [Tape 2] [S]	307	QCNWG0001BGZZ	J	Cord,Speaker
232	JBTN-0016BGSB	J	Button,Stop/Eject [Tape 2] [BK]	308	LPLTW0001BGZZ	J	Support H,Speaker Box
234	LANGF0001BGZZ	J	Support,Mechanism Button Shaft	309	LPLTW0002BGZZ	J	Support V,Speaker Box
235	LHLDZ8001BG00	J	Holder,Mic	701	XEBSD30P10000	J AA	Screw,ø3×10mm
236	LHLDZ1002BGZZ	J	Holder,LED	702	XJBSD40P16000	J	Screw,ø4×16mm
237	MSPRC0001BGFJ	J	Spring,Battery,-	SP401,402	VSP0012PBF88A	J	Speaker,Woofers
238	PRDAR0001BGFW	J	Heat Sink,Main	SP403,404	RALMB0001BGZZ	J	Speaker,Tweeter
239	NGERK0001BGZZ	J	Dial Drum	ACCESSORIES/PACKING PARTS			
240	PSHEP0003BGSA	J	Sheet,LED,Left	△	QACCA0001SJ00	J AS	AC Power Supply Cord [For Saudi Arabia]
241	PSHEP0004BGSA	J	Sheet,LED,Right	△	QACCE0007AW00	J AH	AC Power Supply Cord [Except for Saudi Arabia]
242	JKNBZ0001BGSA	J	Knob,Fine Tuning	△	QPLGA0253AFZZ	J AE	Adaptor,AC Plug [Saudi Arabia Only]
243	PCOVZ9001BGZZ	J	Cover,Dial Pointer		SPAKA0001BGZZ	J	Packing Add.,Unit
244	MSPRP0001BGFW	J	Plate,Record		SPAKC0007BGZZ	J	Packing Case [S] [For Malaysia]
245	GCABB1001BGSA	J	Rear Cabinet [S]		SPAKC0011BGZZ	J	Packing Case [BK] [For Malaysia]
245	GCABB1001BGSB	J	Rear Cabinet [BK]		SPAKC0015BGZZ	J	Packing Case [S] [Except for Malaysia]
246	GLEGG0001BG00	J	Cushion,Leg		SPAKC0017BGZZ	J	Packing Case [BK] [Except for Malaysia]
247	JHNDP1001BGSA	J	Handle [S]		SSAKA0002BGZZ	J	Polyethylene Bag,AC Plug Adaptor [Saudi Arabia Only]
247	JHNDP1001BGSB	J	Handle [BK]		SSAKH0002BGZZ	J	Polyethylene Bag,Accessories
248	LHLDQ1001BGZZ	J	Holder,AC Socket/ Voltage Selector		SSAKH0004BGZZ	J	Polyethylene Bag,Unit
249	MSPRB0002BGFW	J	Spring,Rod Antenna		SSAKH0005BGZZ	J	Polyethylene Bag,Speaker
250	MSPRC0002BGFJ	J	Spring,Battery,+/-		TINSZ0002BGZZ	J	Operation Manual
251	MSPRC0003BGFJ	J	Spring,Battery,+/-				
252	PSLDM3001BGFW	J	Plate,Power Transformer Shield				
253	QANTR0001BGZZ	J	FM/SW Rod Antenna				
254	LHLDL1001BGZZ	J	Holder,Tuning				
255	NGERK0002BGZZ	J	Gear,Tuning A				
256	NGERK0003BGZZ	J	Gear,Tuning B				
257	JKNBM0001BGSA	J	Button,X-BASS				
258	JKNBP0001BGSA	J	Knob,Function Selector				
259	JKNBP0001BGSA	J	Knob,Dubbing Speed				
260	JKNBP0002BGSA	J	Knob,Band Selector				
261	LHLDL1002BGZZ	J	Holder,Record Lever				
262	MLEVP0002BGZZ	J	Lever,Record				
263	GFTAB1001BGSA	J	Battery Compartment Lid [S]				
263	GFTAB1001BGSA	J	Battery Compartment Lid [BK]				

NO.	PARTS CODE	★ PRICE RANK	DESCRIPTION
	TLABB0001BGZZ	J	Label,Japan [Syria Only]
	TLABB0002BGZZ	J	Label,Japan [Syria Only]
	TLABJ0001BGZZ	J	Label,Orisin
	TLABJ0002BGZZ	J	Label,Orijin
	TLABN0005BGZZ	J	Label,Serial No. Bar Code [S] [Asia Middle East/Africa Only]
	TLABN0006BGZZ	J	Label,Serial No. Bar Code [BK] [Asia Middle East/Africa Only]
	TLABS0001BGZZ	J	Label,Manufacture
	TLABZVR09BGZZ	J	Label,VY
	TLABZ0003BGZZ	J	Label,Feature,Left [For Malaysia]
	TLABZ0004BGZZ	J	Label,Feature,Right [For Malaysia]
	TLABZ0005BGZZ	J	Label,Feature,Left [Except for Malaysia]
	TLABZ0006BGZZ	J	Label,Feature,Right [Except for Malaysia]

P.W.B. ASSEMBLY (Not Replacement Item)

△ PWB-A1~9	DUNTK0002BG01	J	—	Main/Graphic Equalizer/Volume/ Fine Tuning/Terminal A/ Terminal B/Power/Holder A/ Holder B (Combined Ass'y)
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WF-1000W

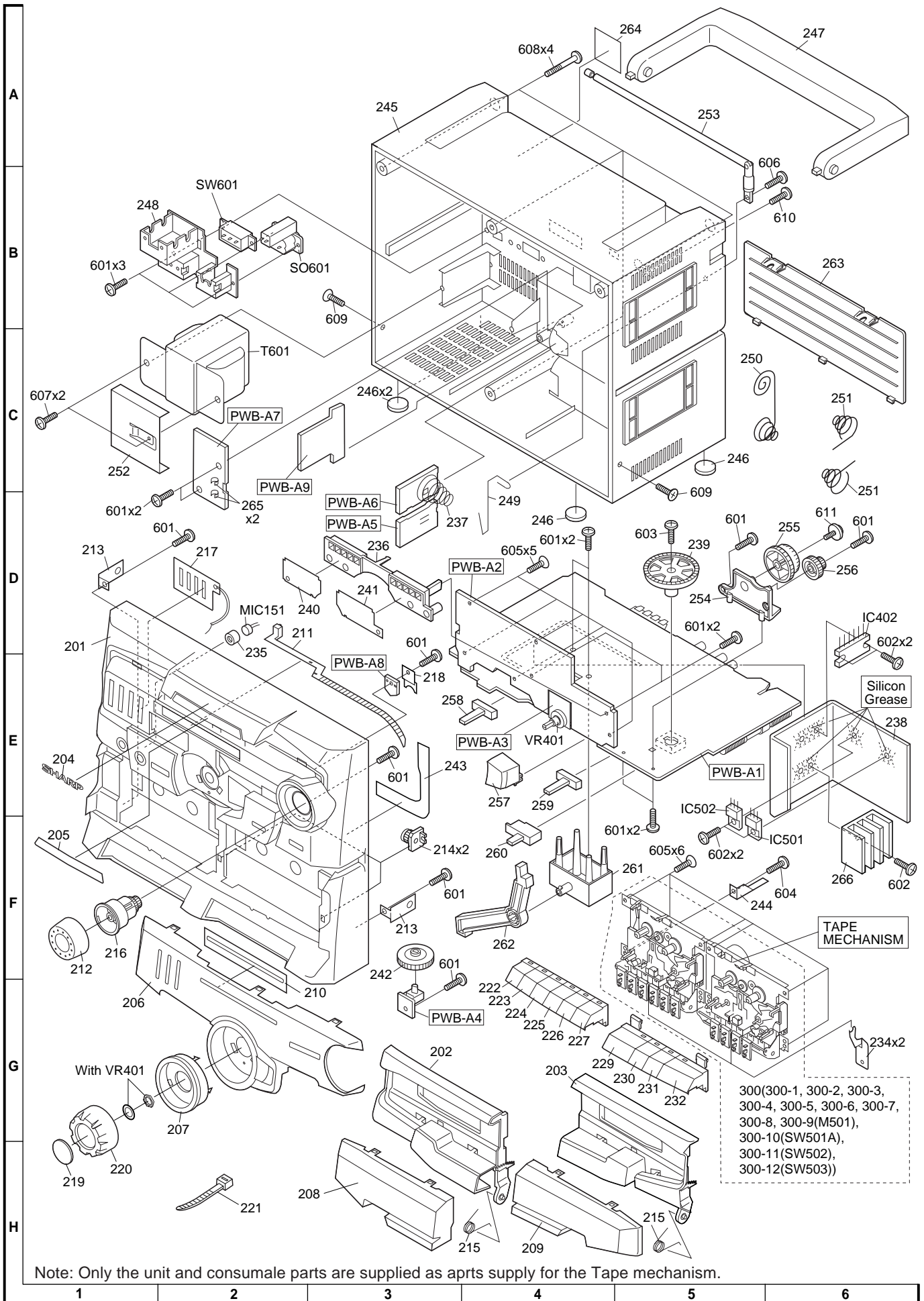


Figure 5 CABINET EXPLODED VIEW

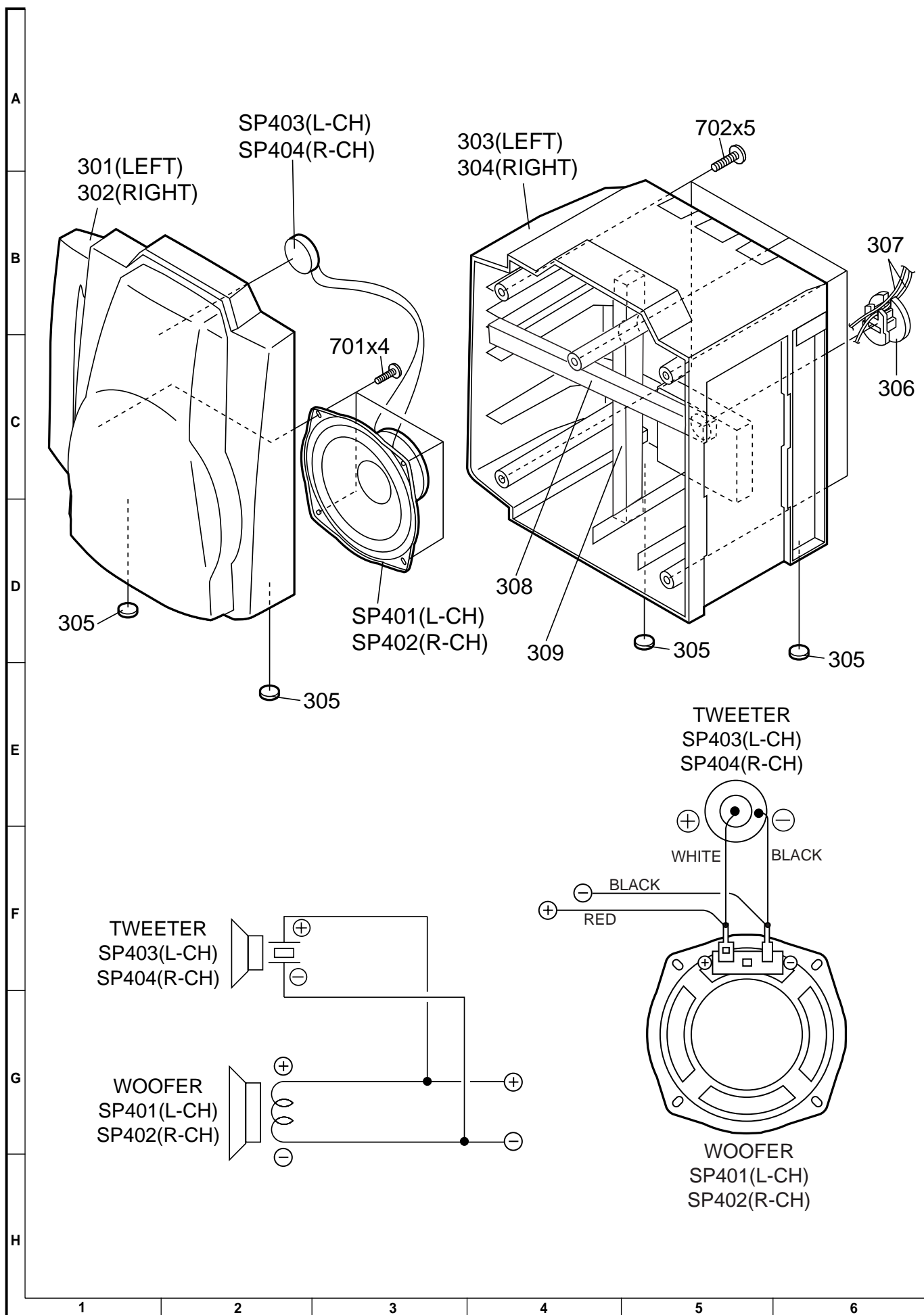


Figure 6 SPEAKER EXPLODED VIEW

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