

HCD-XB8KW

SERVICE MANUAL

Thai Model



HCD-XB8KW is the tuner, deck, CD and amplifier section in LBT-XB8AVKR.

This stereo system is equipped with the Dolby Pro Logic Surround system* and the Dolby B-type noise reduction system.

* Manufactured under license from Dolby Laboratories Licensing Corporation.

DOLBY, the double-D symbol $\square\square$ and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

This unit is similar to the **HCD-XB8K**. For details not provided in this manual, refer to the service manual (9-960-942- $\square\square$) for the **HCD-XB8K** already issued.

CD SECTION	Model Name Using Similar Mechanism	HCD-XB8K
	CD Mechanism Type	CDM37L-5BD29AL
	Base Unit Type	BU-5BD29AL
	Optical Pick-up Type	KSS-213D/Q-NP
TAPE DECK SECTION	Model Name Using Similar Mechanism	HCD-XB8K
	Tape Transport Mechanism Type	TCM-220WR2

SPECIFICATIONS

Amplifier section

Peak music power output	2,100 watts
Continuous RMS power output	
FRONT SPEAKER:	100 + 100 watts (8 ohms at 1 kHz, 10% THD)
CENTER SPEAKER:	25 watts (8 ohms at 1kHz, 10% THD)
REAR SPEAKER:	12.5 + 12.5 watts (16 ohms at 1kHz, 10% THD)
SUPER WOOFER:	80 watts (8 ohms at 50 Hz, 10% THD)
Inputs	
PHONO IN (phono jacks):	sensitivity 3 mV, impedance 47 kilohms
VIDEO (AUDIO) IN (phono jacks):	sensitivity 250 mV, impedance 47 kilohms
MIX MIC (phone jack):	sensitivity 1 mV, impedance 10 kilohms
Outputs	
PHONES (stereo phone jack):	accepts headphones of 8 ohms or more
FRONT SPEAKER:	accepts impedance of 8 to 16 ohms
SURROUND SPEAKER CENTER:	accepts impedance of 8 to 16 ohms
SURROUND SPEAKER REAR:	accepts impedance of 16 ohms

CD player section

System	Compact disc and digital audio system
Laser	Semiconductor laser ($\lambda = 780 \text{ nm}$) Emission duration: continuous Max. 44.6 μF^*
Laser output	* This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Wavelength	780 - 790 nm
Frequency response	2 Hz - 20 kHz ($\pm 0.5 \text{ dB}$)
Signal-to-noise ratio	More than 90 dB
Dynamic range	More than 90 dB

Tape player section

Recording system	4-track 2-channel stereo
Frequency response (DOLBY NR OFF)	60 - 13,000 Hz ($\pm 3 \text{ dB}$), using a Sony TYPE I cassette 60 - 14,000 Hz ($\pm 3 \text{ dB}$), using a Sony TYPE II cassette
Wow and flutter	$\pm 0.15\%$ W. Peak (IEC) 0.1% W. RMS (NAB) $\pm 0.2\%$ W. Peak (DIN)

— Continued on next page —

COMPACT DISC DECK RECEIVER



SONY®

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0 MHz (50 kHz step)

Aerial FM wire aerial
Aerial terminals 75 ohm unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range 531 – 1,602 kHz
(with the tuning interval set at 9 kHz)
530 – 1,710 kHz
(with the tuning interval set at 10 kHz)

Aerial AM loop aerial, External aerial terminal
Intermediate frequency 450 kHz

General

Power requirements 220 – 240 V AC, 50/60 Hz

Power consumption 240 watts

Dimensions (w/h/d) Approx. 355 × 425 × 435 mm (14 × 16³/₄ × 17¹/₄ in) incl. projecting parts and controls

Mass Approx. 12.9 kg

Design and specifications are subject to change without notice.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the “S curve check” in “CD section adjustment” and check that the S curve waveform is output three times.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK \triangle OR DOTTED LINE WITH MARK \triangle ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

CAUTION ; INVISIBLE LASER RADIATION WHEN OPEN, AVOID EXPOSURE TO BEAM.
ADVARSEL ; USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSÅFBRYDERE ER UDE AF FUNKTION. UNDSÅ UDSÆTTELSE FOR STRÅLING.
VARO! ; AVATTAESSA JA SUOJALUKITUS OHITETTAESSA DLET AUITTINA LASERSÄTEILYLLE.
VARNING ; LASERSTRÅLING NÅR DENNA DEL ÅR ÖPPNÅD OCH SPÅRREIN ÅR URKOPPLAD.
ADVARSEL ; USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES UNGÅ EKSPONERING FOR STRÅLEN.

This caution label is located inside the unit.

SERVICING NOTE

• How to Use this Manual

This unit is similar to the HCD-XB8K. For the following details, refer to the service manual (9-960-942-□□) for the HCD-XB8K already issued.

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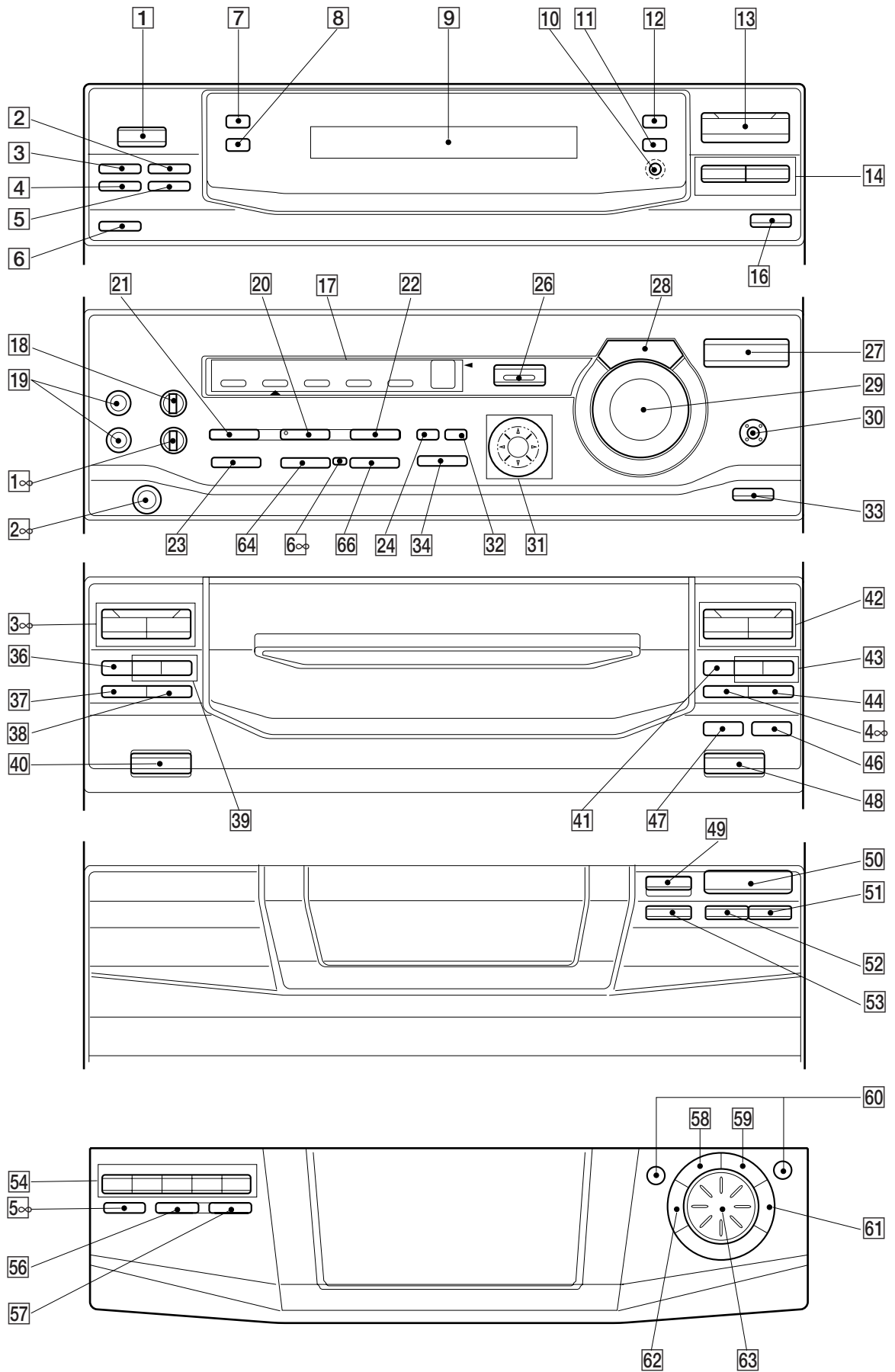
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SECTION 1 GENERAL

Location of Parts and Controls

<p>1 POWER button</p> <p>2 REC button</p> <p>3 ⌚/CLOCK SET button</p> <p>4 DAILY 1 button</p> <p>5 DAILY 2 button</p> <p>6 SLEEP button</p> <p>7 DISPLAY/DEMO button</p> <p>8 SPECTRUM ANALYZER button</p> <p>9 Display Window</p> <p>10 ENTER/NEXT button</p> <p>11 TUNER MEMORY button</p> <p>12 TUNING MODE button</p> <p>13 TUNER/BAND button</p> <p>14 TUNING (+/-) button</p> <p>15 ECHO LEVEL knob</p> <p>16 STEREO/MONO button</p> <p>17 Equalizer indicators</p> <p>18 MIC LEVEL knob</p> <p>19 MIC 1, MIC 2 jacks</p> <p>20 DSP button</p> <p>21 WAVE button</p> <p>22 PROLOGIC button</p>	<p>23 KARAOKE PON/MPX button</p> <p>24 P FILE MEMORY button</p> <p>25 PHONES jack</p> <p>26 EFFECT button</p> <p>27 FUNCTION button</p> <p>28 GROOVE button</p> <p>29 VOLUME control</p> <p>30 SUPER TWEETER button</p> <p>31 GEQ control buttons</p> <p>32 GEQ CONTROL button</p> <p>33 DBFB button</p> <p>34 ENTER button</p> <p>35 Deck A ◀, ▶ button</p> <p>36 Deck A ■ button</p> <p>37 DIRECTION button</p> <p>38 DOLBY NR button</p> <p>39 Deck A ◀◀, ▶▶ button</p> <p>40 Deck A ▲ EJECT button</p> <p>41 Deck B ■ button</p> <p>42 Deck B ◀, ▶ button</p> <p>43 Deck B ◀◀, ▶▶ button</p> <p>44 Deck B ● REC button</p>	<p>45 Deck B ■■ button</p> <p>46 CD SYNC button</p> <p>47 H SPEED DUB button</p> <p>48 Deck B ▲ EJECT button</p> <p>49 ▲ OPEN button</p> <p>50 CD ▷ button</p> <p>51 CD ■ button</p> <p>52 CD ■■ button</p> <p>53 DISC SKIP button</p> <p>54 DISC1-DISC5 buttons</p> <p>55 NON-STOP button</p> <p>56 LOOP button</p> <p>57 FLASH button</p> <p>58 1/ALL DISCS button</p> <p>59 PLAY MODE button</p> <p>60 CD ◀◀, ▶▶ button</p> <p>61 REPEAT button</p> <p>62 EDIT button</p> <p>63 ≠ AMS ± dial</p> <p>64 b button</p> <p>65 KEY CONTROL indicator</p> <p>66 # button</p>
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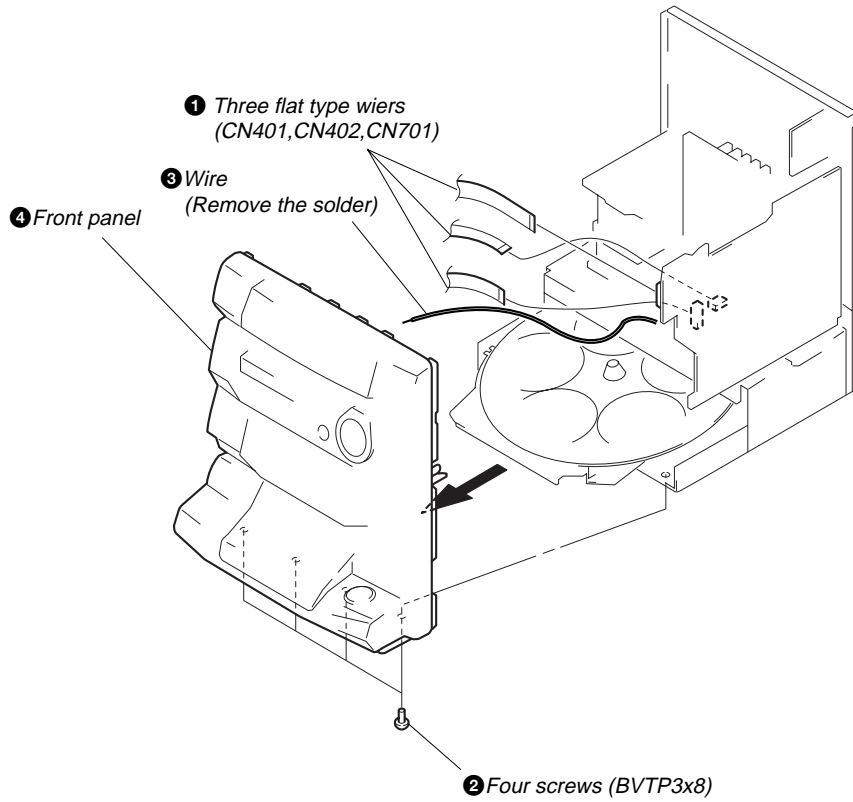
Front Panel



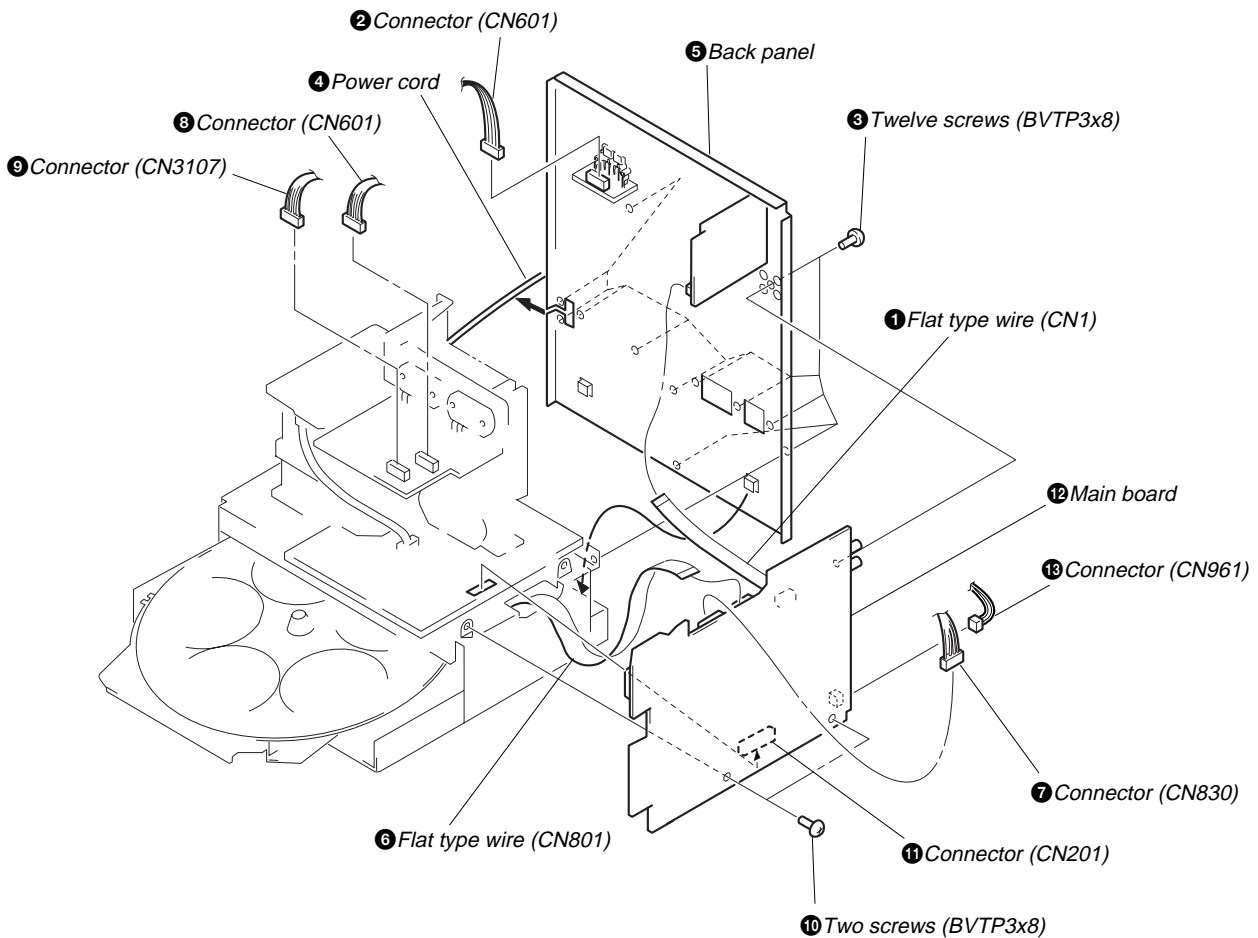
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

2-1. FRONT PANEL

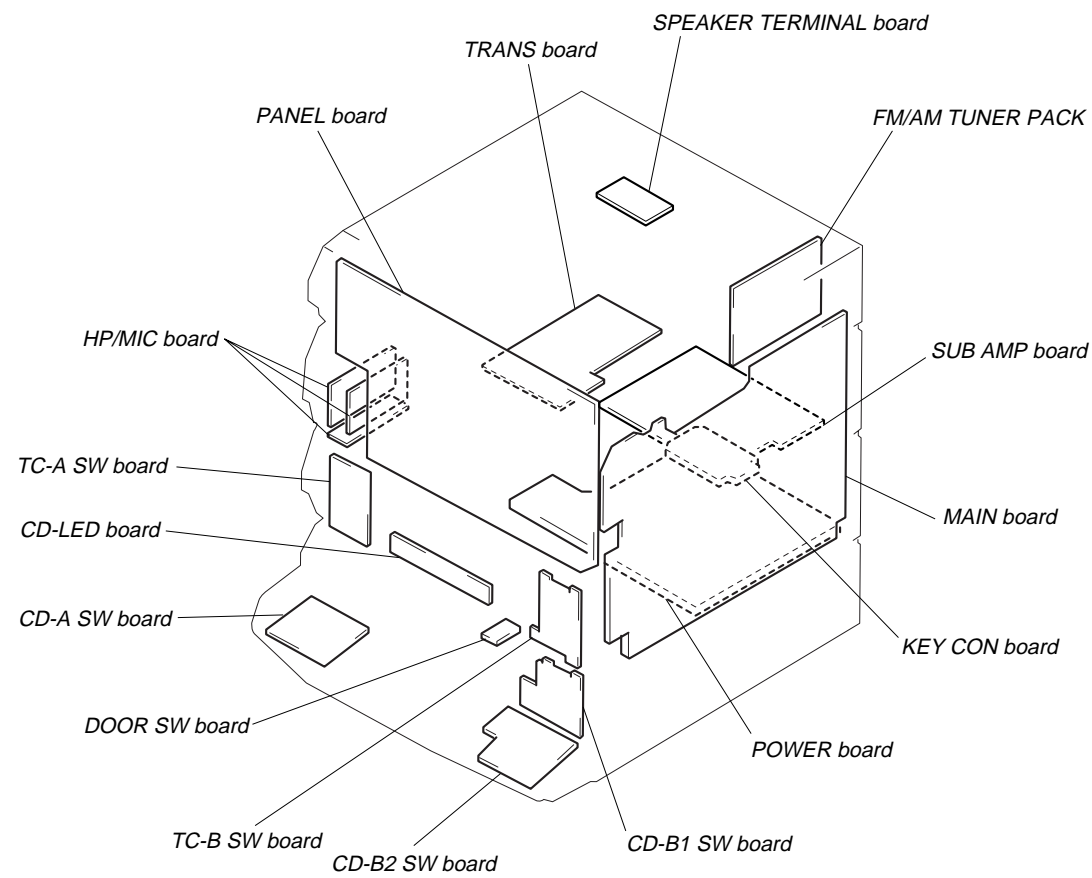


2-2. MAIN BOARD

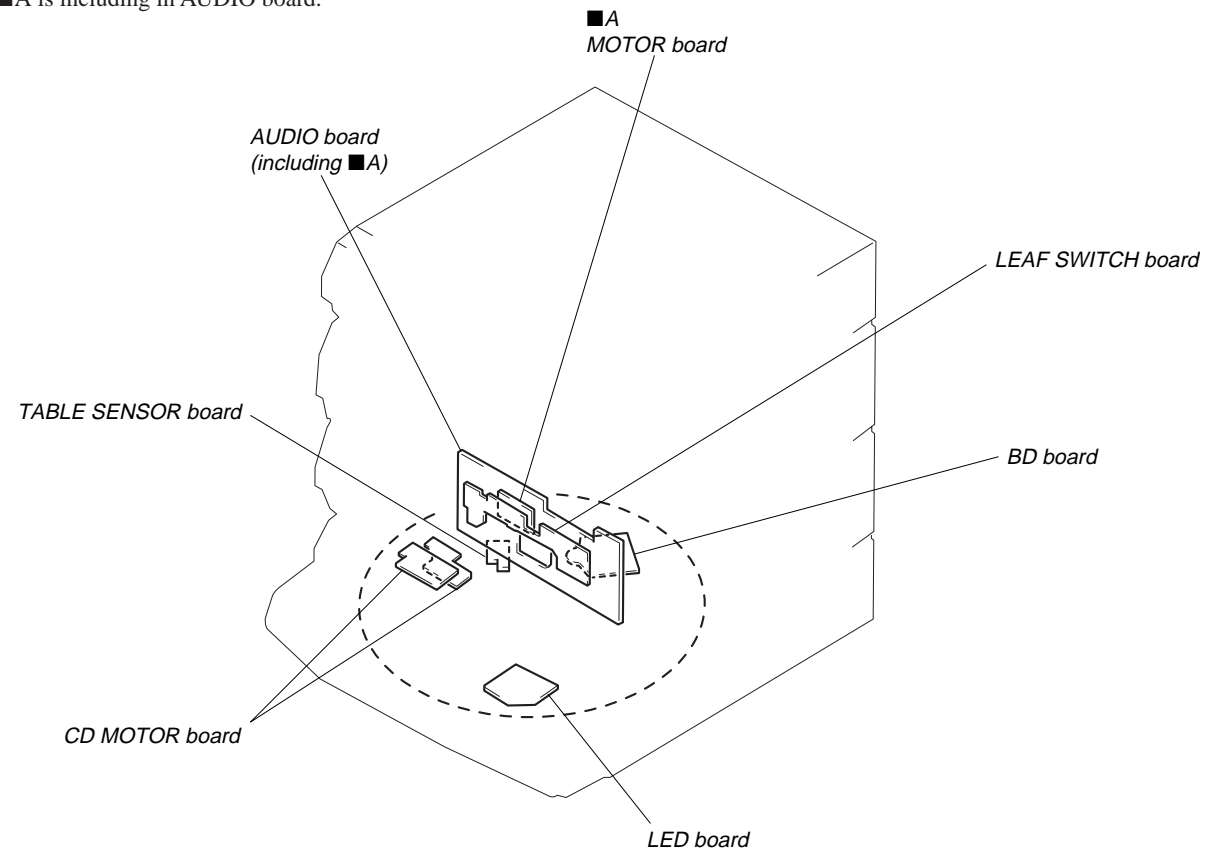


**SECTION 3
DIAGRAMS**

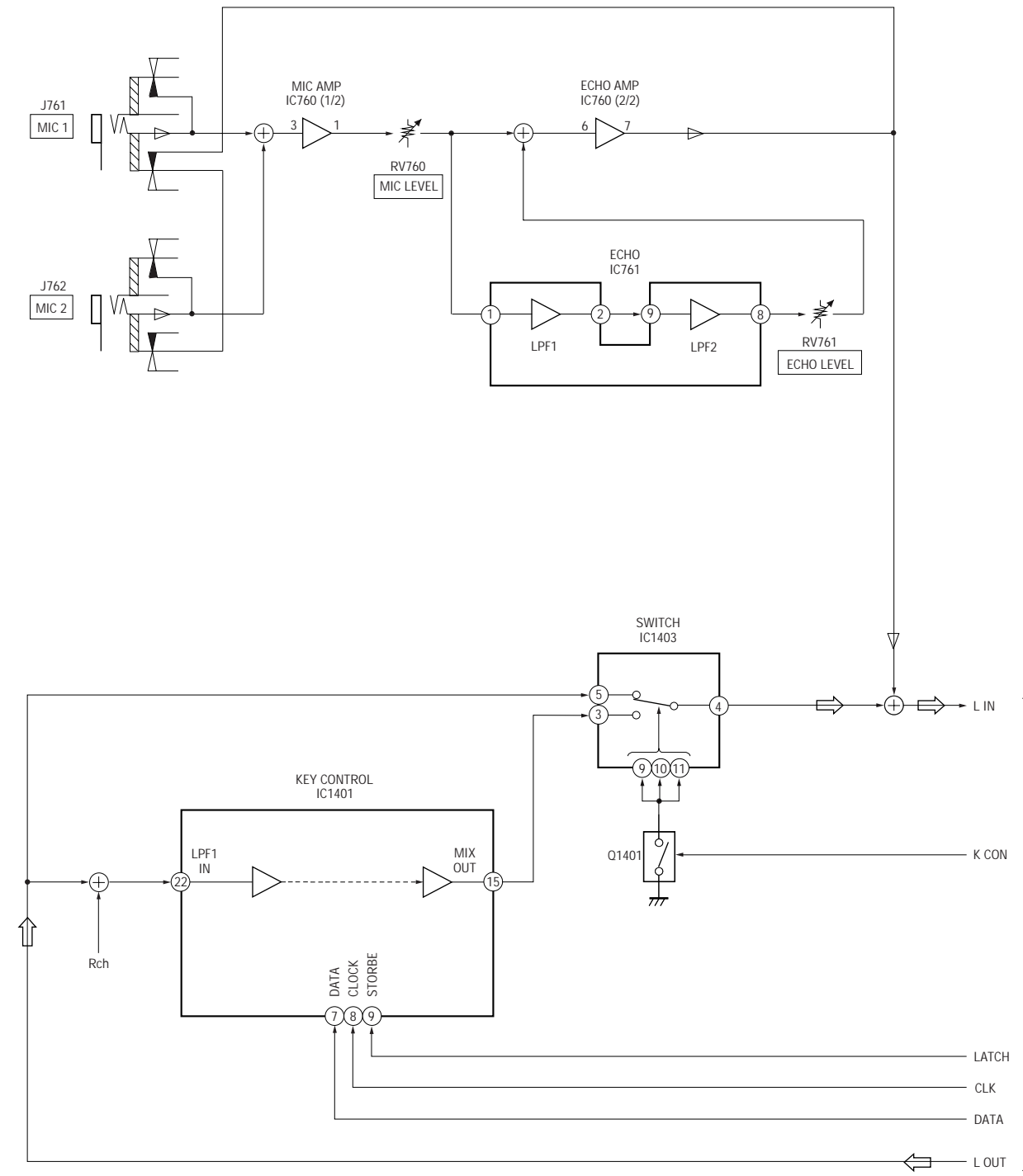
3-1. CIRCUIT BOARDS LOCATION



Note: ■A is including in AUDIO board.



**3-2. BLOCK DIAGRAMS
— KEY CON SECTION —**

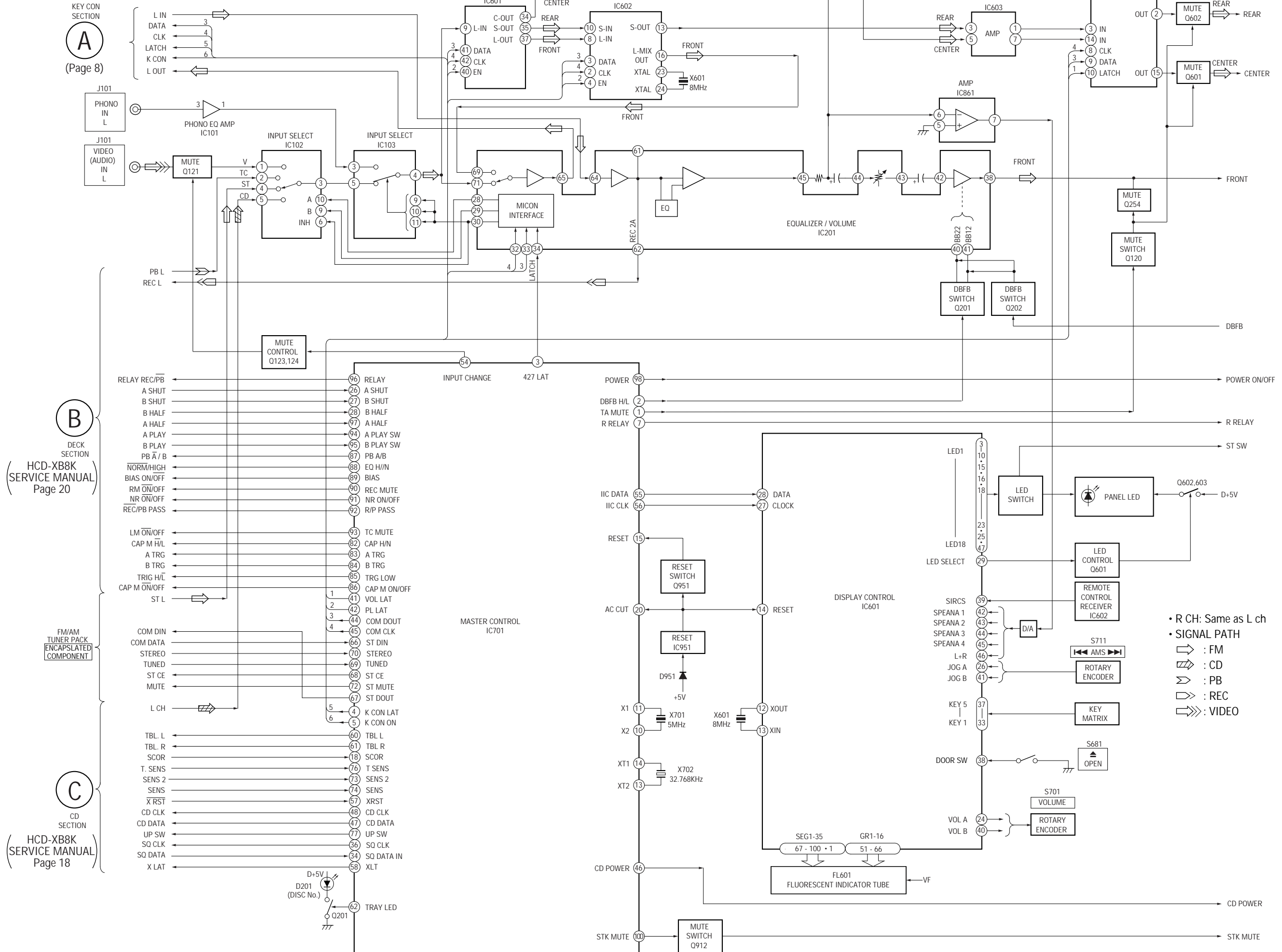


09

- R CH : Same as Lch
- Signal path
- ◻ : FM
- ◻ : MIC

A
MAIN SECTION
(Page 9)

— MAIN SECTION —



KEY CON SECTION

(Page 8)

DECK SECTION

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FM/AM TUNER PACK ENCAPSULATED COMPONENT

CD SECTION

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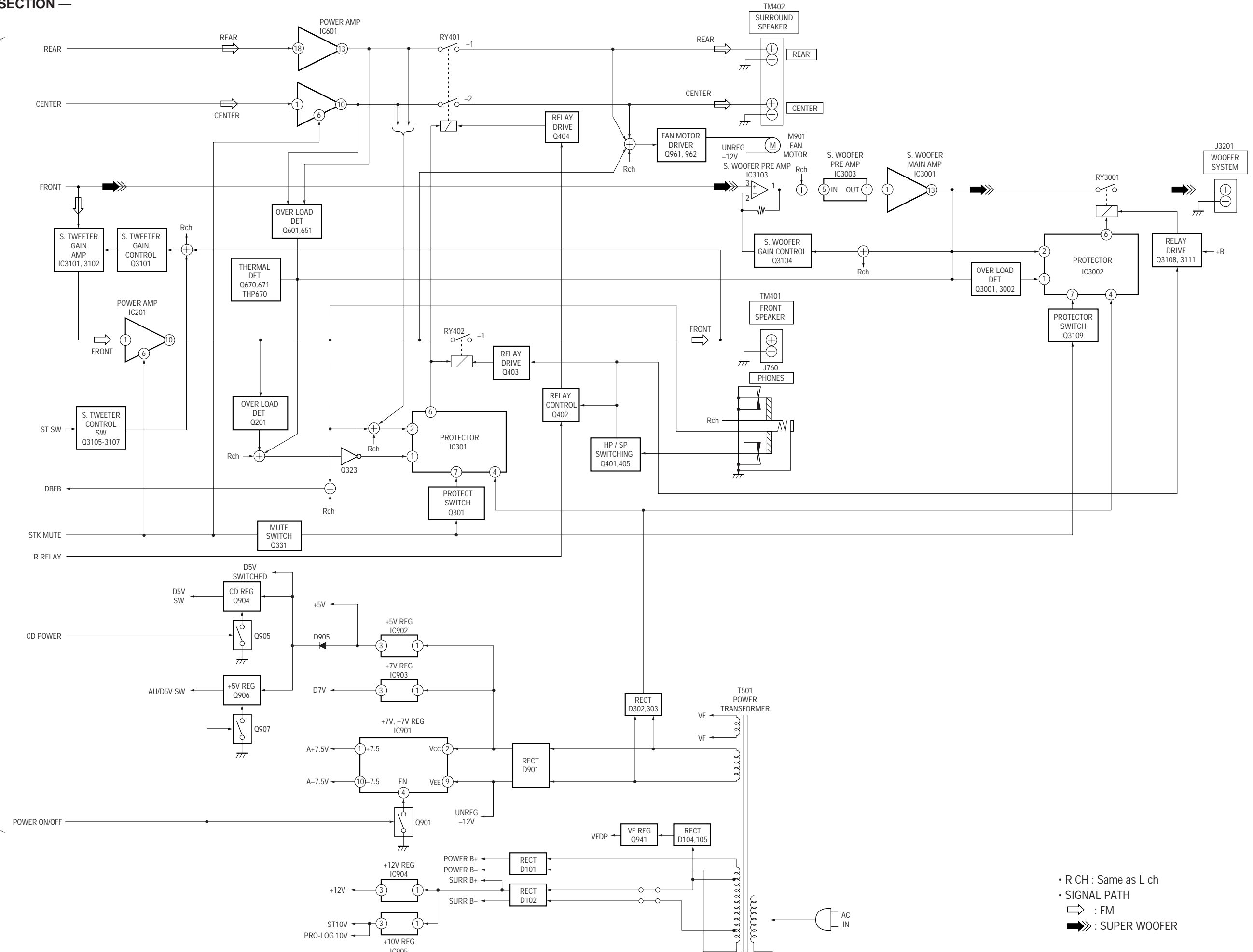
POWER SECTION

(Page 11)

- R CH: Same as L ch
- SIGNAL PATH
- ◁ : FM
- ⇄ : CD
- ▷ : PB
- ⇨ : REC
- ⇨⇨ : VIDEO

— POWER SECTION —

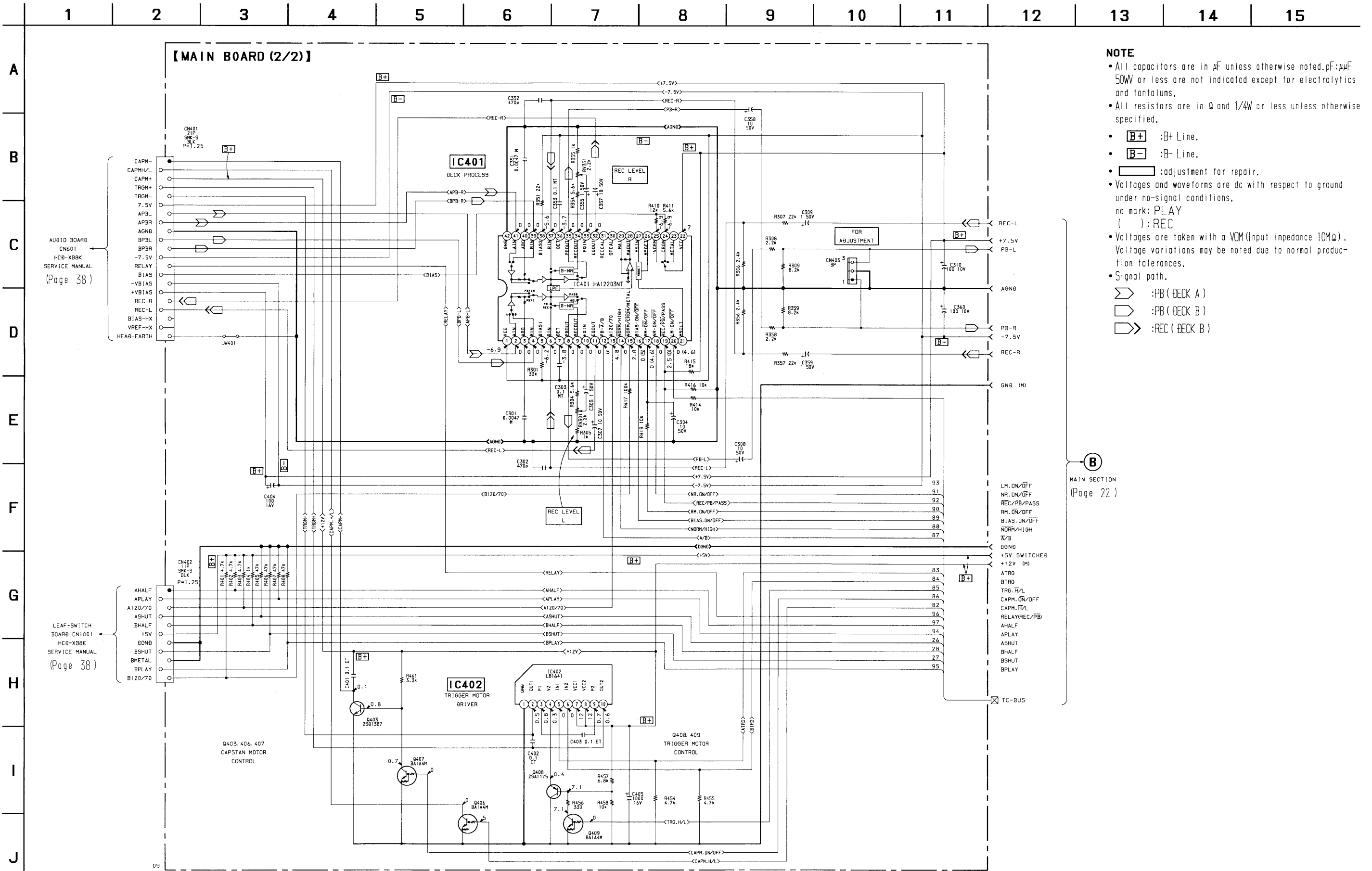
D
MAIN SECTION
(Page 10)



- R CH : Same as L ch
- SIGNAL PATH
- ◀ : FM
- ▶▶▶ : SUPER WOOFER

3-3. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) —

- See page 47 for IC Block Diagrams.
- See page 17 for Printed Wiring Board.



NOTE

- All capacitors are in μF unless otherwise noted, $\text{pF} = \mu\mu\text{F}$ 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- **B+** :B+ Line.
- **B-** :B- Line.
- :adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- no mark: PLAY
- () :REC
- Voltages are taken with a VOM (input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Signal path.

- :PB (DECK A)
- :PB (DECK B)
- :REC (DECK B)

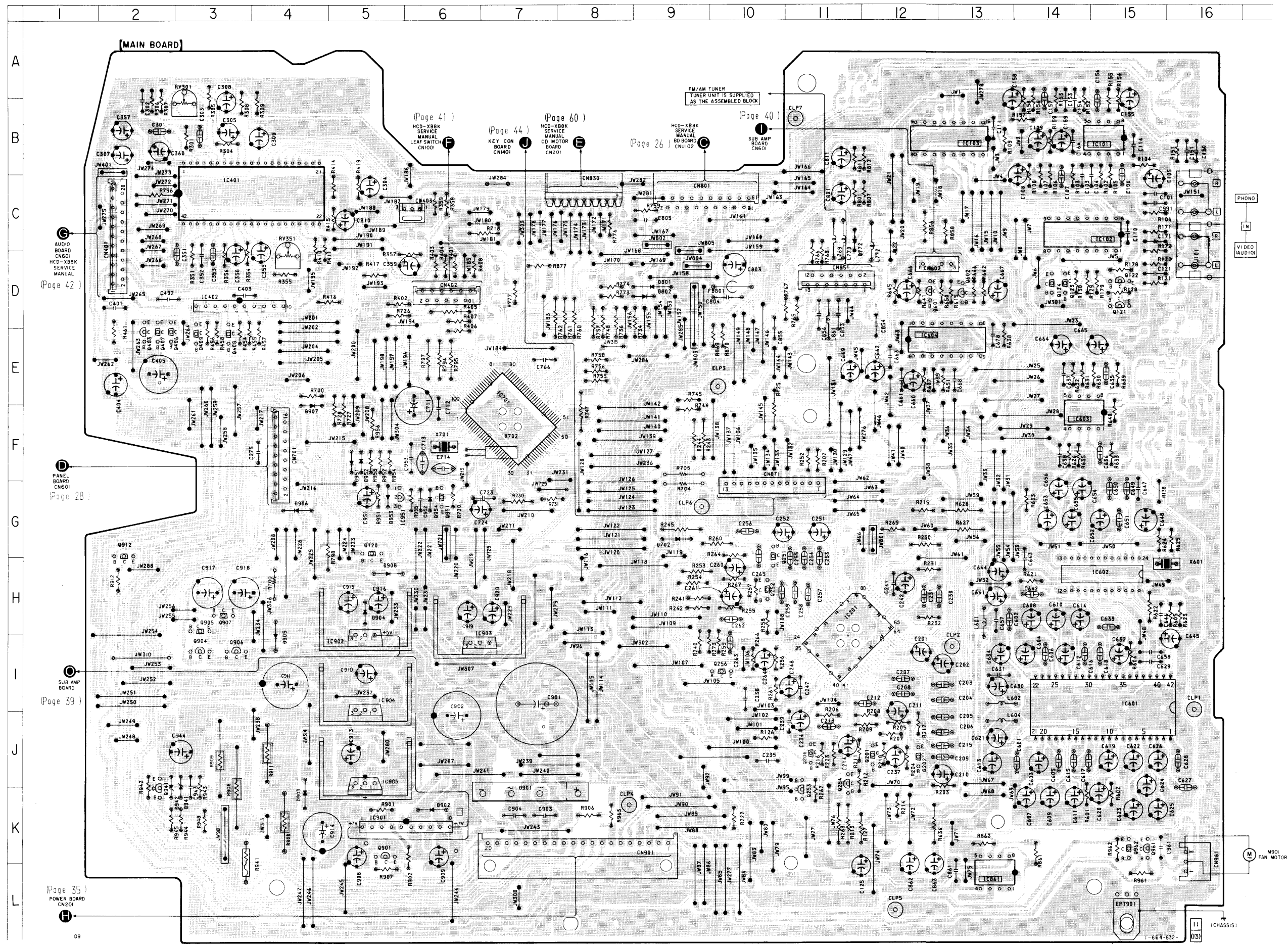
B
MAIN SECTION
(Page 22)

• Semiconductor Location

Ref. No.	Location
D702	G-9
D772	C-11
D799	G-8
D801	D-9
D802	D-9
D901	K-7
D902	K-6
D903	K-4
D904	H-5
D905	I-4
D906	G-4
D907	F-4
D908	H-5
D941	K-3
D942	K-3
D951	F-5
D952	F-5
D953	G-5
D954	G-6
IC101	B-15
IC102	C-15
IC103	B-13
IC201	H-11
IC401	C-2
IC402	D-2
IC601	I-15
IC602	H-15
IC603	F-14
IC604	E-12
IC701	E-7
IC861	L-13
IC901	K-5
IC902	I-5
IC903	I-7
IC904	J-5
IC905	J-5
IC951	G-5
Q120	G-5
Q121	D-15
Q122	D-15
Q123	D-14
Q124	D-14
Q201	J-12
Q202	J-12
Q206	J-11
Q251	H-10
Q252	H-10
Q253	K-11
Q254	K-11
Q256	I-10
Q403	E-2
Q406	E-2
Q407	E-2
Q408	E-3
Q409	E-3
Q601	D-12
Q602	D-13
Q901	K-5
Q904	I-3
Q905	H-3
Q906	I-3
Q907	H-3
Q912	G-2
Q941	K-2
Q951	G-6
Q961	K-15
Q962	K-15

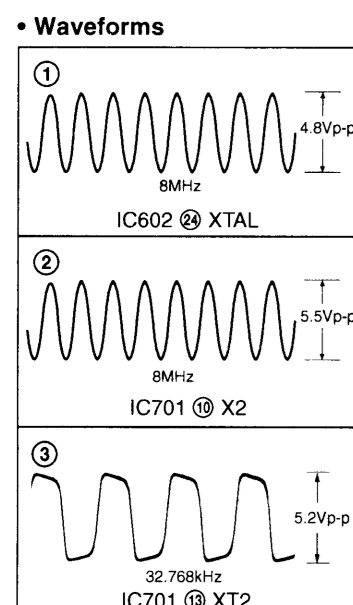
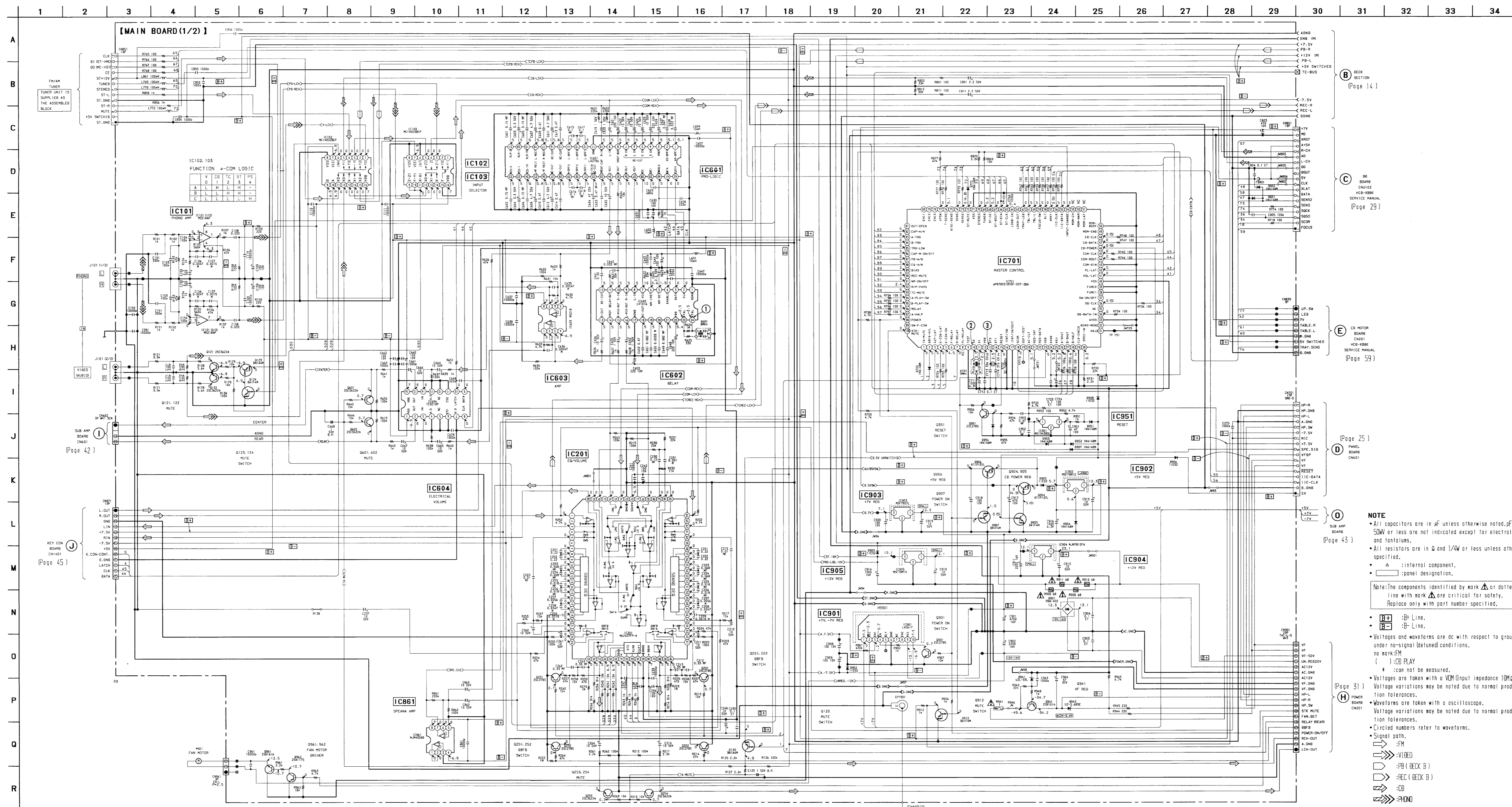
Note:
 • — : parts extracted from the component side.
 • — : Pattern from the side which enable seeing.

3-4. PRINTED WIRING BOARD — MAIN SECTION —
 • See page 7 for Circuit Boards Location.



3-5. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) —

- See page 46 for IC Block Diagrams.
- See page 50 for IC Pin Functions.



FKVAR TUNER UNIT IS SUPPLIER AS THE ASSEMBLED BLOCK

IC102:105 FUNCTION M-COM LOGIC

V	W	X	Y	Z	1	2	3	4
A	L	H	L	H	H	-	-	-
B	L	L	L	H	H	-	-	-
C	L	L	L	L	H	-	-	-

IC101 TUNER AMP

IC601 PMP-L301C

IC701 MASTER CONTROL

IC602 DELAY

IC603 AMP

IC201 EQ/VOLUME

IC901 +7V REG

IC902 +5V REG

IC903 +7V REG

IC904 +12V REG

IC905 +15V REG

IC861 SPEAKER AMP

IC804 ELECTRICAL VOLUME

BECK SECTION (Page 14)

BB BOARD CNJ102 HCD-XB8K SERVICE MANUAL (Page 29)

CD MOTOR BOARD CNJ101 HCD-XB8K SERVICE MANUAL (Page 59)

POWER BOARD CNJ101 HCD-XB8K SERVICE MANUAL (Page 25)

PANEL BOARD CNJ101 (Page 43)

NOTE

- All capacitors are in μF unless otherwise noted; pF: pF
- 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- \square : internal component.
- Δ : panel designation.

Note: The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

- \square : B-Line.
- \square : B-Line.

• Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.

() : CD PLAY

* : can not be measured.

• Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.

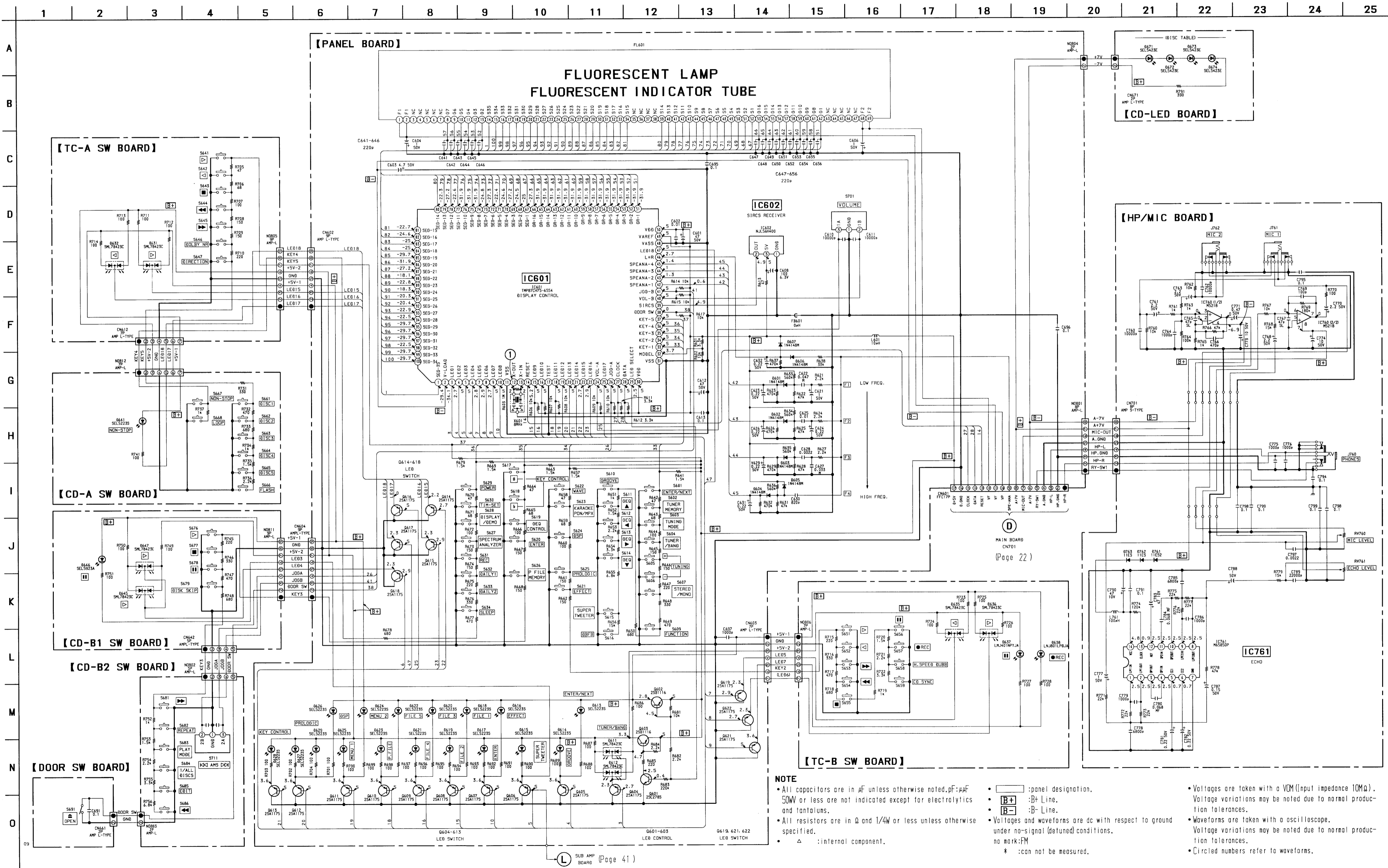
• Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.

• Circled numbers refer to waveforms.

• Signal path:

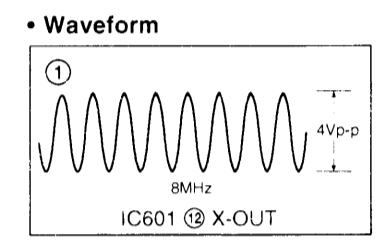
- \square : FM
- \square : VIDEO
- \square : PB (BECK B)
- \square : REC (BECK B)
- \square : CB
- \square : PHONO

3-6. SCHEMATIC DIAGRAM — PANEL SECTION —
 • See page 48 for IC Block Diagrams.
 • See page 49 for IC Pin Functions.



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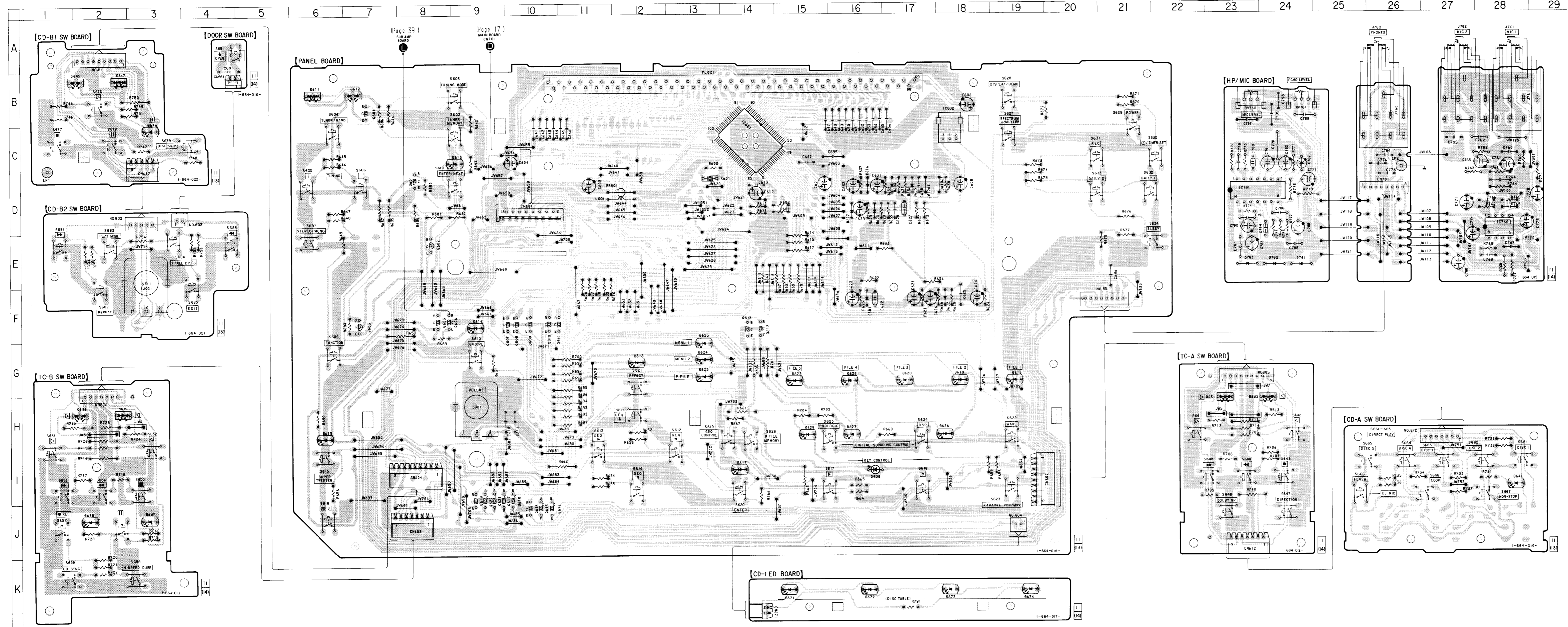
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O



NOTE

- All capacitors are in pF unless otherwise noted. pF: μ pF
- 50W or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4W$ or less unless otherwise specified.
- Δ : internal component.
- \square : panel designation.
- B+ : +B Line.
- B- : -B Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- * : can not be measured.
- Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.

3-7. PRINTED WIRING BOARD — PANEL SECTION —
• See page 7 for Circuit Boards Location.

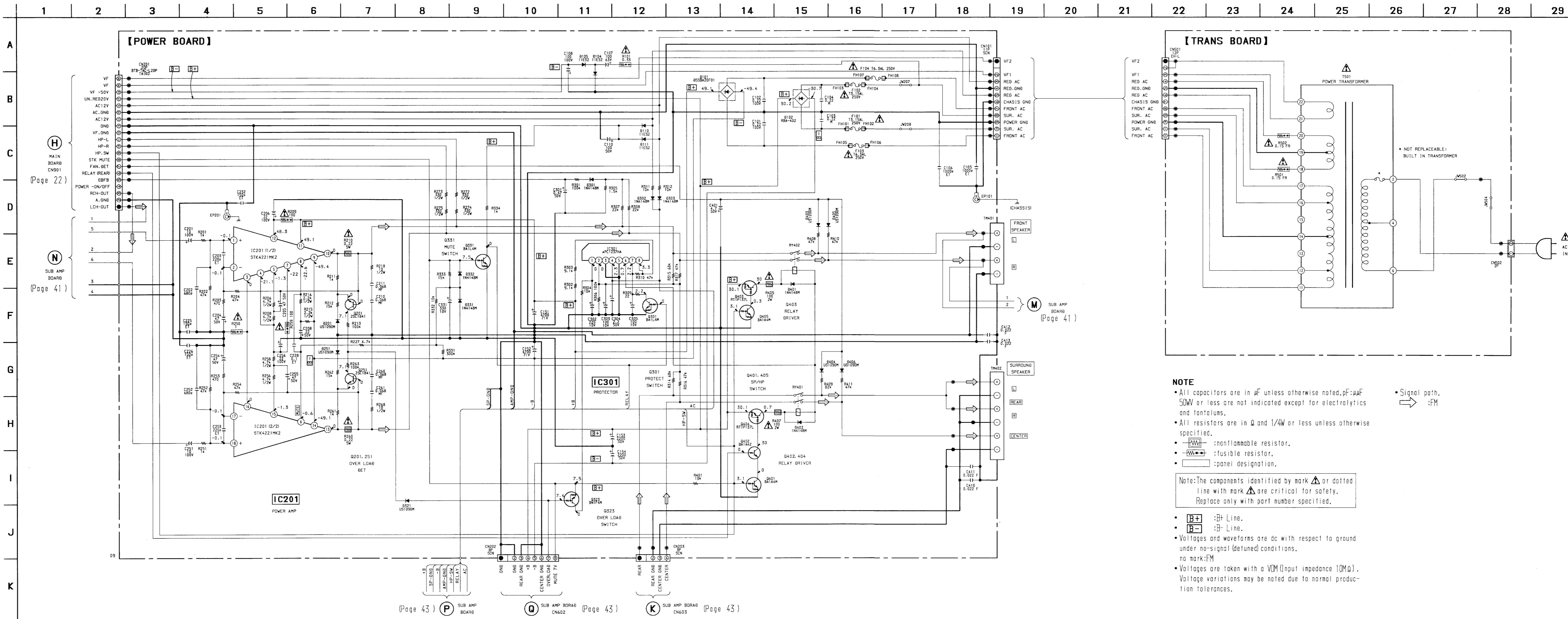


• Semiconductor Location

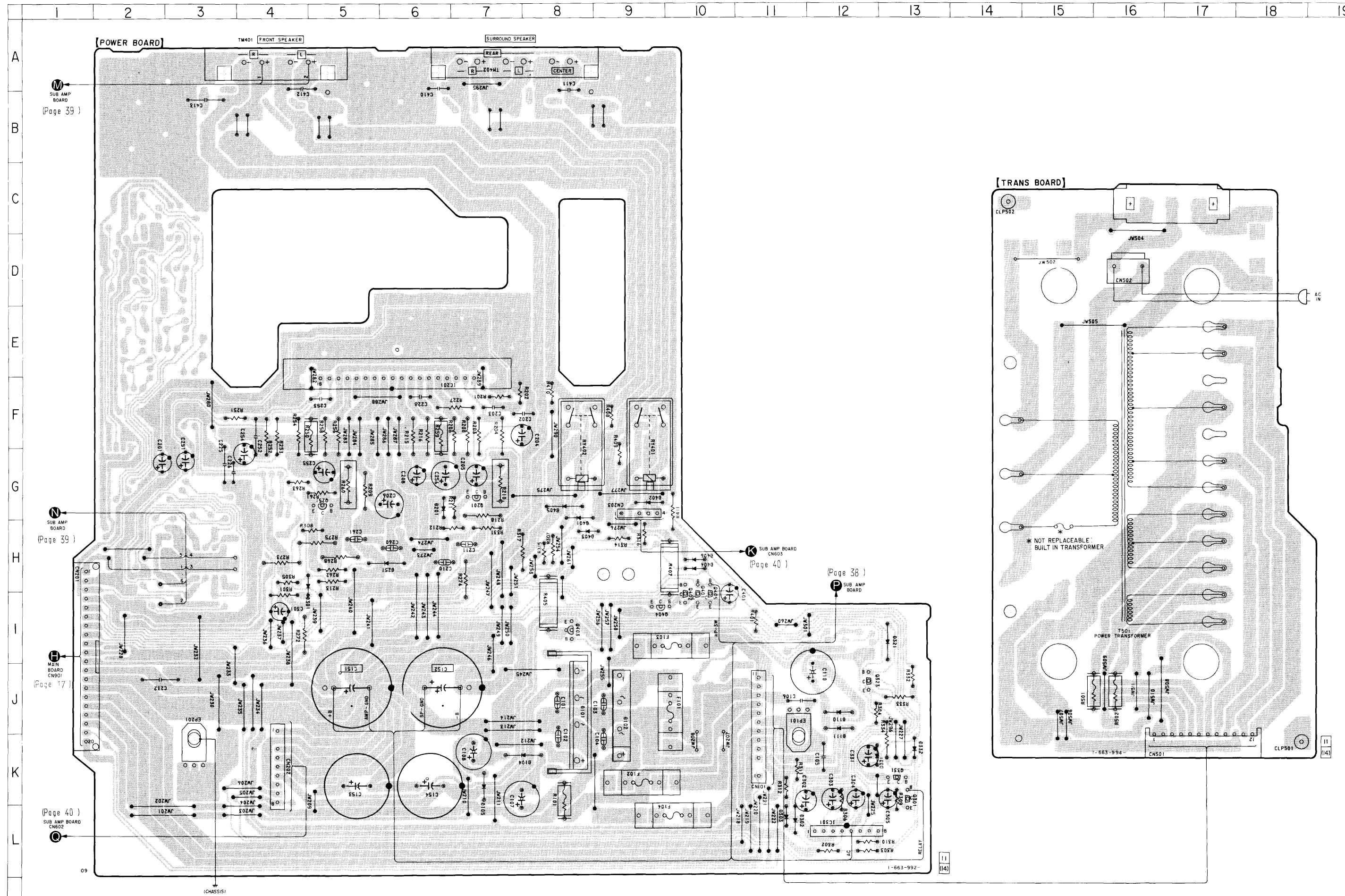
Ref. No.	Location
D601	F-16
D602	F-18
D603	D-16
D604	D-17
D605	D-17
D606	C-16
D607	D-16
D611	B-6
D612	B-7
D613	C-9
D614	F-9
D615	H-6
D616	G-12
D617	I-14
D618	G-19
D619	G-18
D620	G-17
D621	G-16
D622	G-15
D623	G-13
D624	G-13
D625	G-13
D626	H-18
D627	H-16
D628	I-16
D629	H-15
D631	H-23
D632	H-23
D635	H-2
D636	H-2
D637	J-3
D638	J-2
D641	I-28
D645	B-2
D646	C-3
D647	B-2
D671	K-15
D672	K-16
D673	K-18
D674	K-19
D761	E-24
D762	E-24
D763	E-23
IC601	C-14
IC602	B-18
IC760	D-28
IC761	D-23
Q601	D-7
Q602	E-7
Q603	F-7
Q604	B-7
Q605	F-7
Q606	F-9
Q607	G-10
Q608	G-10
Q609	G-10
Q610	G-10
Q611	G-10
Q612	F-14
Q613	F-14
Q614	J-10
Q615	J-10
Q616	J-10
Q617	J-10
Q618	J-10
Q619	J-9
Q621	J-9
Q622	J-9

Note:
 • : parts extracted from the component side.
 • : Pattern from the side which enable seeing.

3-8. SCHEMATIC DIAGRAM — POWER SECTION —
• See page 48 for IC Block Diagrams.



3-9. PRINTED WIRING BOARD — POWER SECTION —
 • See page 7 for Circuit Boards Location.



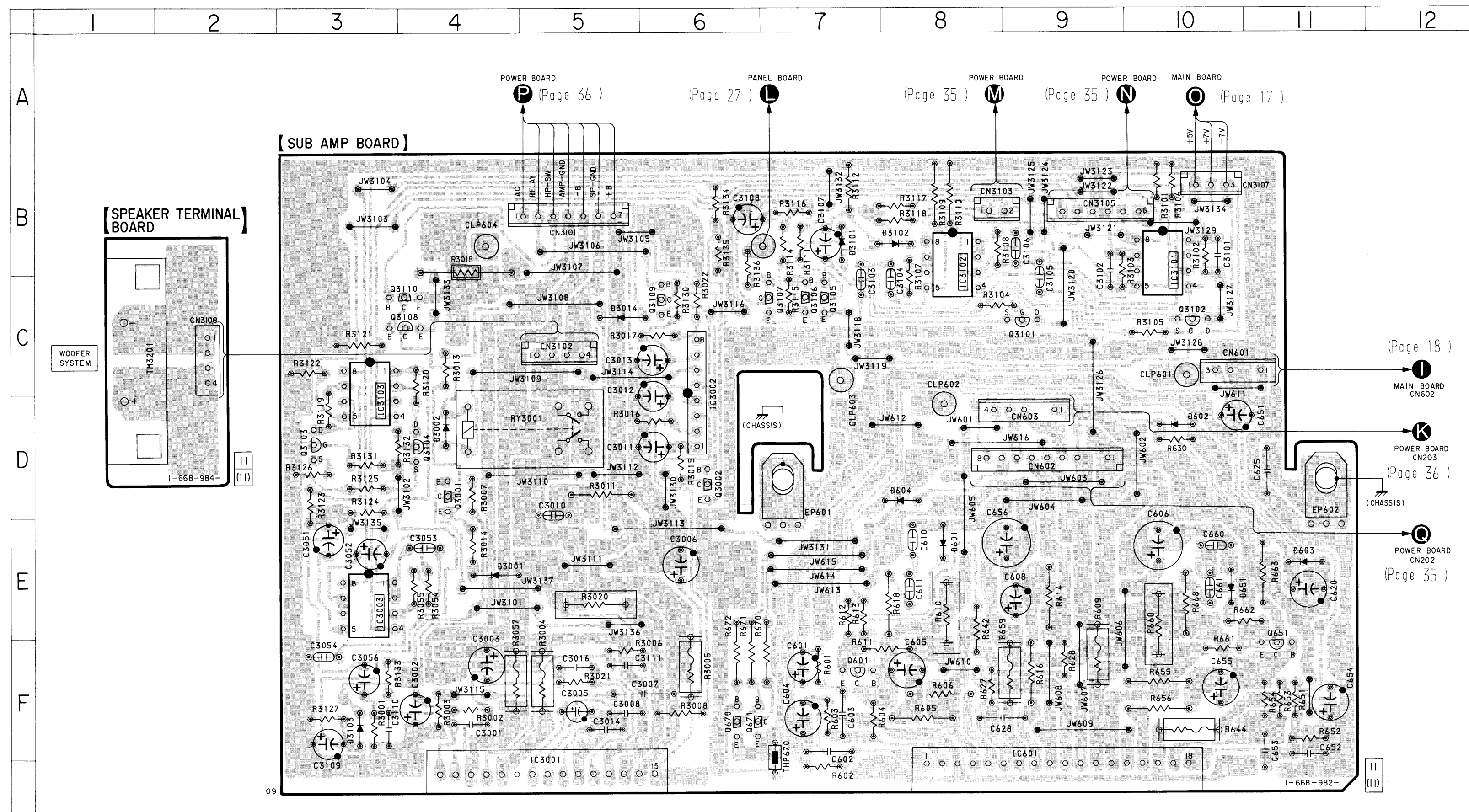
• Semiconductor Location

Ref. No.	Location
D101	J-8
D102	J-9
D104	K-8
D105	K-7
D110	J-12
D111	J-12
D201	G-6
D251	H-6
D301	I-4
D302	L-11
D303	L-11
D321	I-13
D331	K-13
D332	K-13
D401	H-8
D402	G-9
D403	H-8
D404	H-10
D405	G-8
D406	H-10
IC201	F-6
IC301	L-12
Q201	G-7
Q251	G-5
Q301	K-13
Q323	J-13
Q331	K-13
Q401	I-10
Q402	I-10
Q403	I-8
Q404	I-9
Q405	I-10

Note:

- — : parts extracted from the component side.
- — : Pattern from the side which enable seeing.

3-10. PRINTED WIRING BOARD — SUB AMP SECTION —
 • See page 7 for Circuit Boards Location.

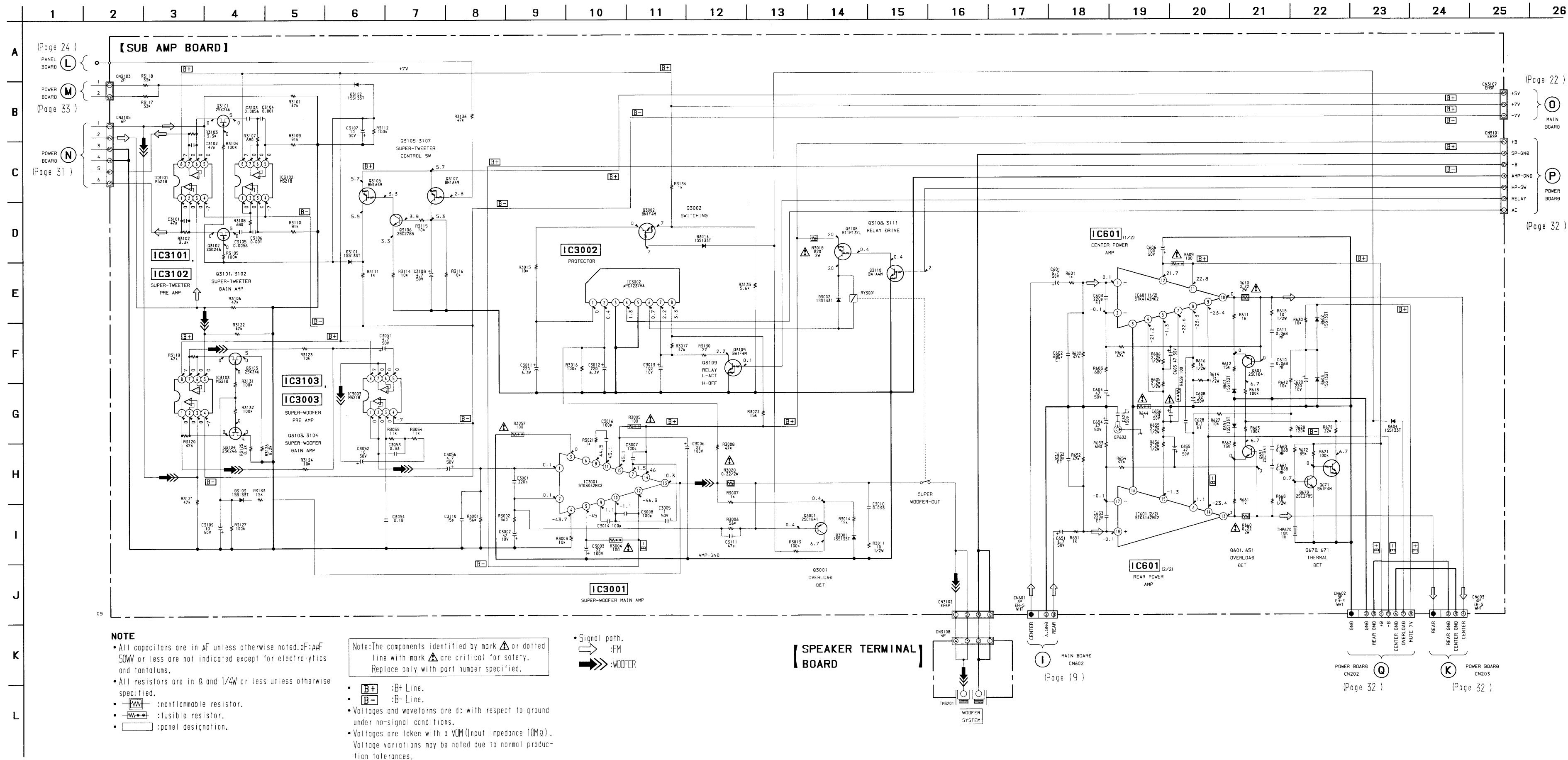


• Semiconductor Location

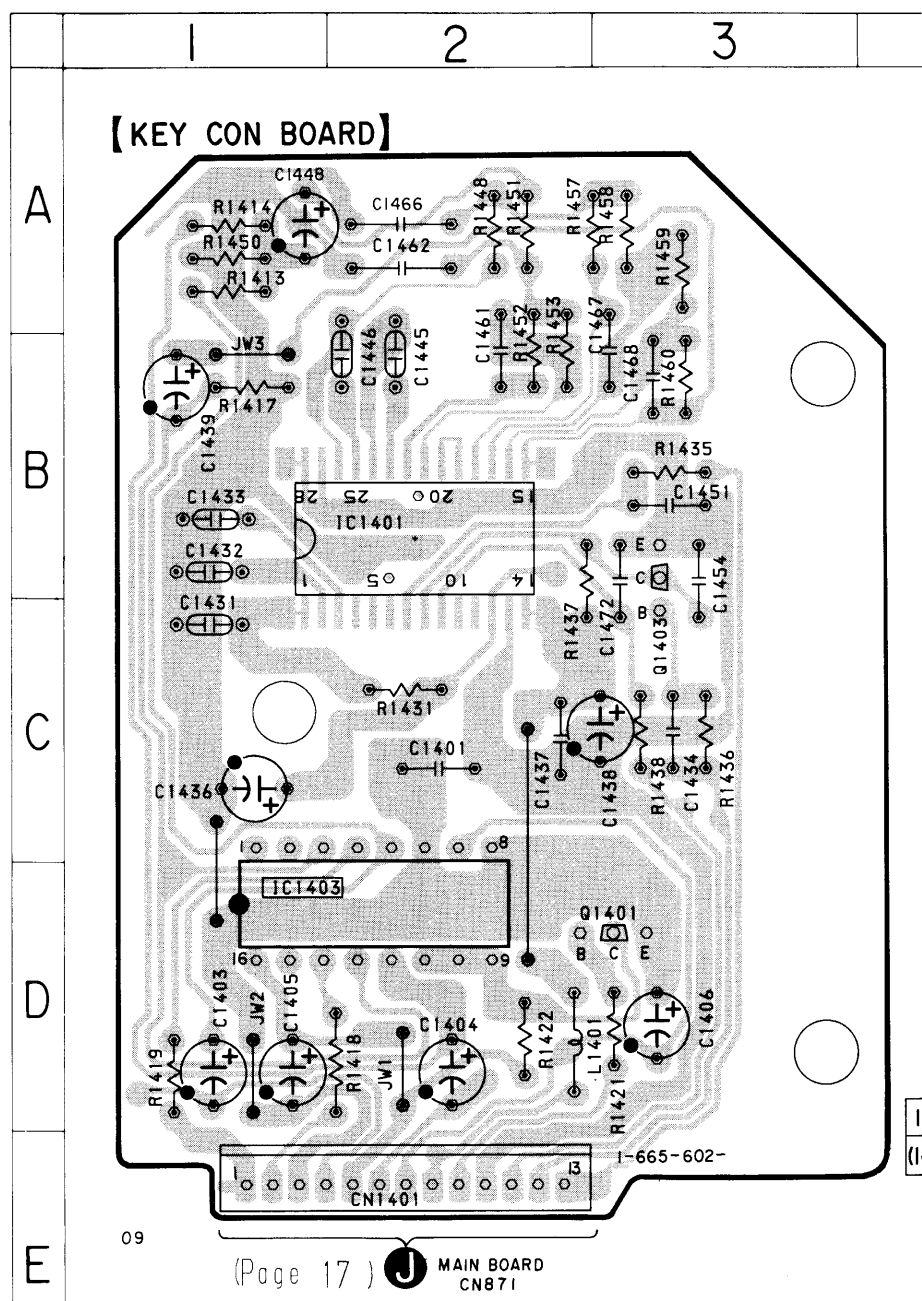
Ref. No.	Location
D601	E-8
D602	D-10
D603	E-11
D604	D-8
D651	E-10
D3001	E-4
D3002	D-4
D3014	C-5
D3101	B-7
D3102	B-8
D3103	F-3
IC601	F-9
IC3001	F-5
IC3002	C-6
IC3003	E-3
IC3101	B-10
IC3102	B-8
IC3103	C-3
Q601	F-7
Q651	E-11
Q670	F-6
Q671	F-6
Q3001	D-4
Q3002	D-6
Q3101	C-9
Q3102	C-10
Q3103	D-3
Q3104	D-4
Q3105	C-7
Q3106	C-7
Q3107	C-7
Q3108	C-4
Q3109	C-6
Q3110	C-4

Note:
 • : parts extracted from the component side.
 • : Pattern from the side which enable seeing.

3-11. SCHEMATIC DIAGRAM — SUB AMP SECTION —
• See page 48 for IC Block Diagrams.



3-12. PRINTED WIRING BOARD — KEY CON SECTION —
• See page 7 for Circuit Boards Location.

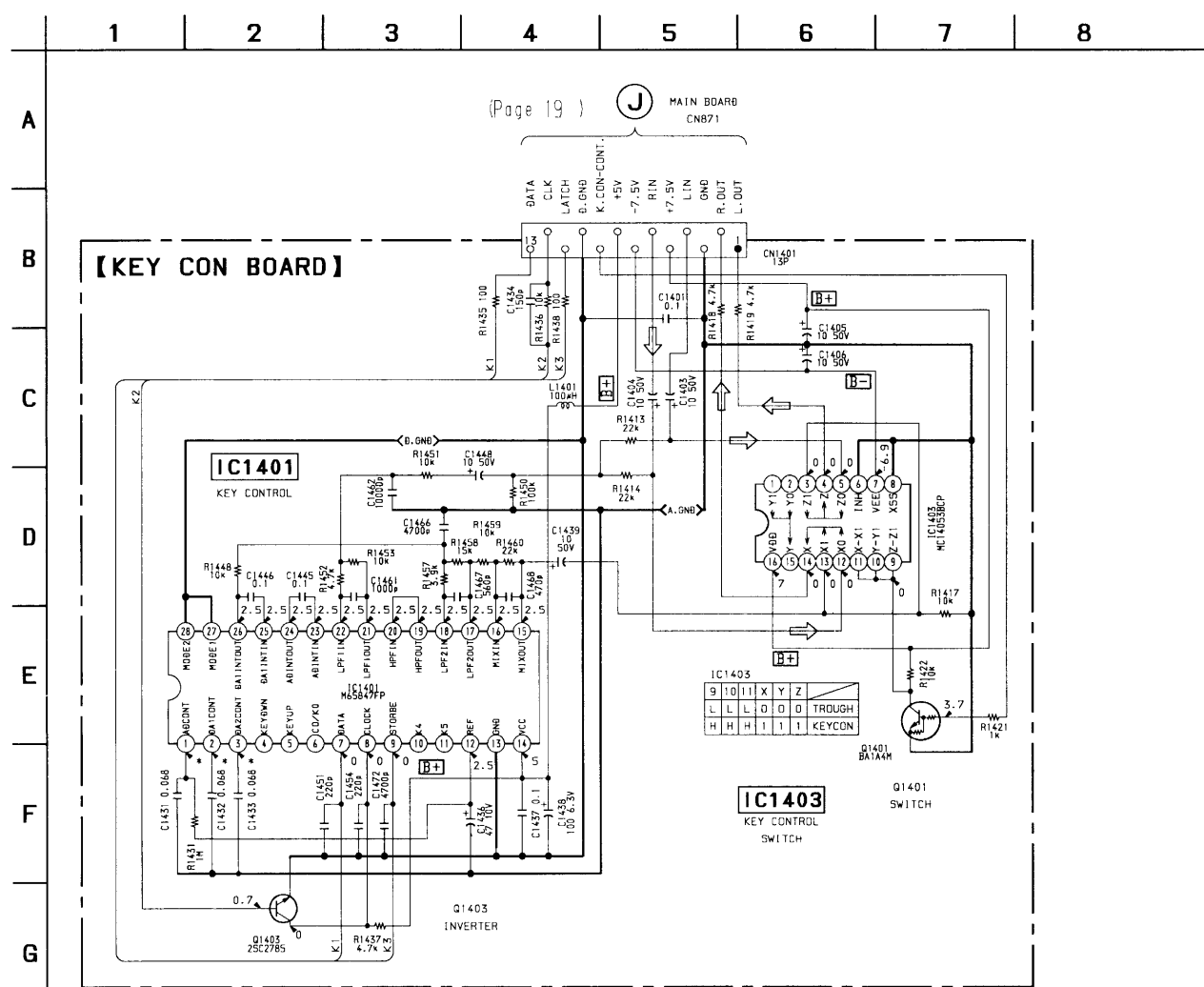


• Semiconductor Location

Ref. No.	Location
IC1401	C-2
IC1403	D-1
Q1401	D-3
Q1403	C-3

Note:
• — : parts extracted from the component side.
• — : Pattern from the side which enable seeing.

3-13. SCHEMATIC DIAGRAM — KEY CON SECTION —
• See page 48 for IC Block Diagrams.

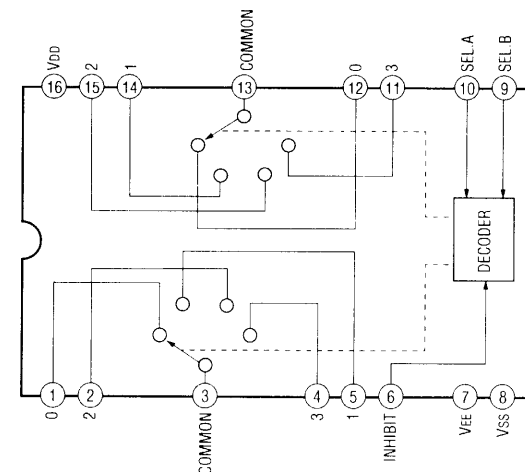


NOTE

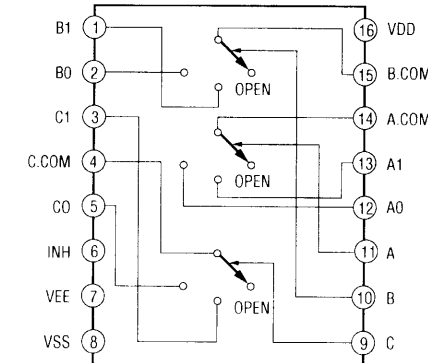
- All capacitors are in μF unless otherwise noted, μF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- $\text{B}+$: B+ Line.
- $\text{B}-$: B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- * : can not be measured.
- Voltages are taken with a VOM (input impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Signal path. \Rightarrow : FM

3-14. IC BLOCK DIAGRAMS
• Main section

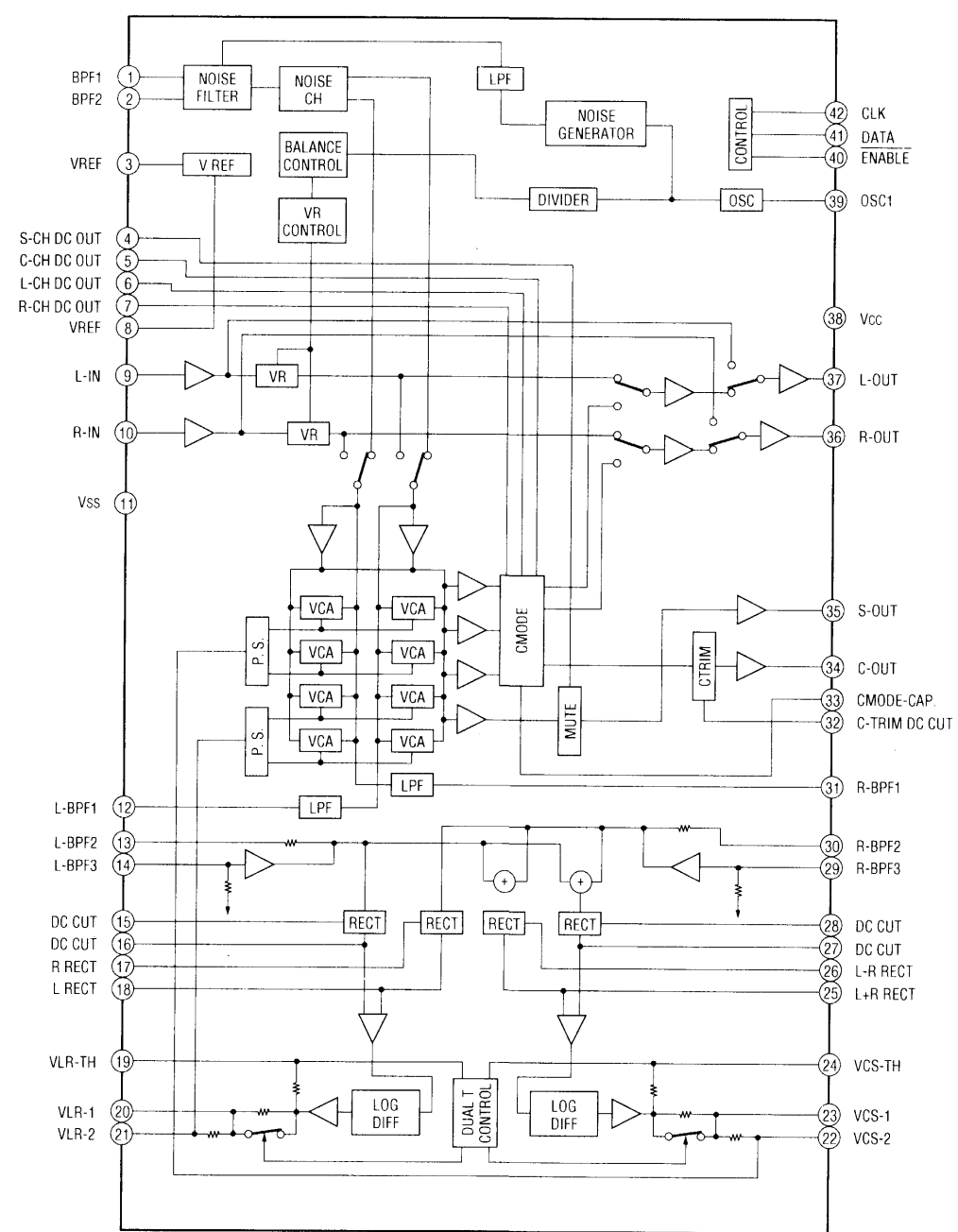
IC102 MC14052BCP



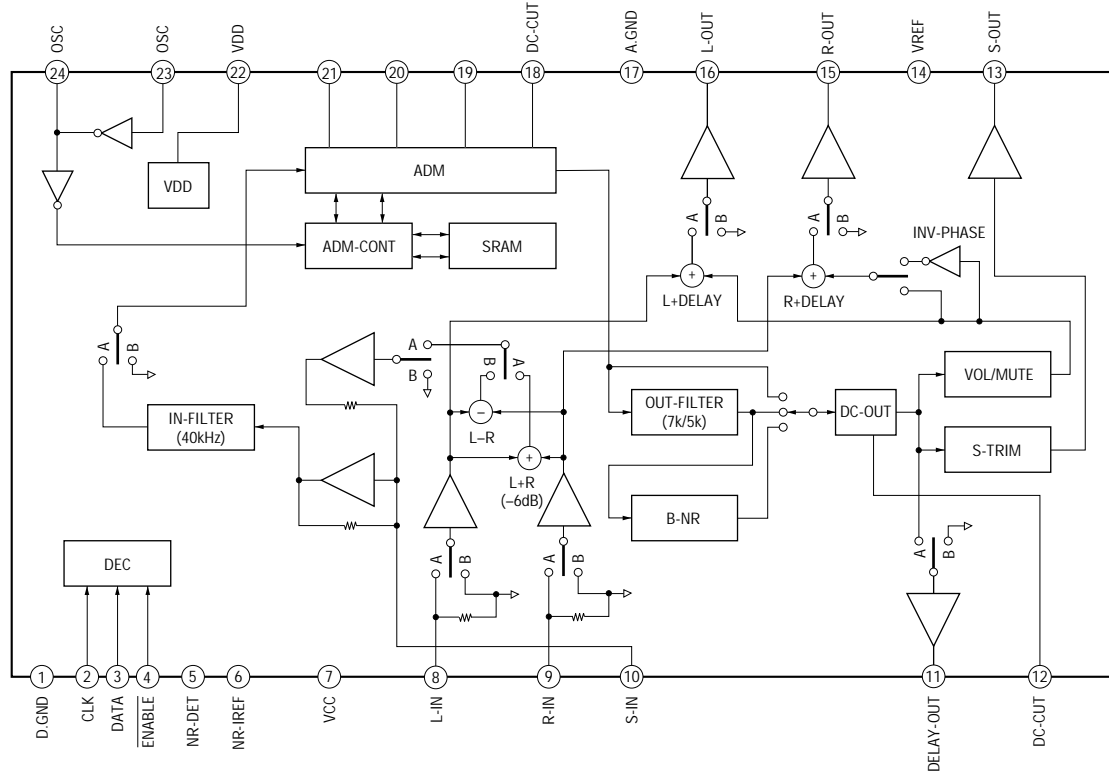
IC103, 1702 MC14053BCP



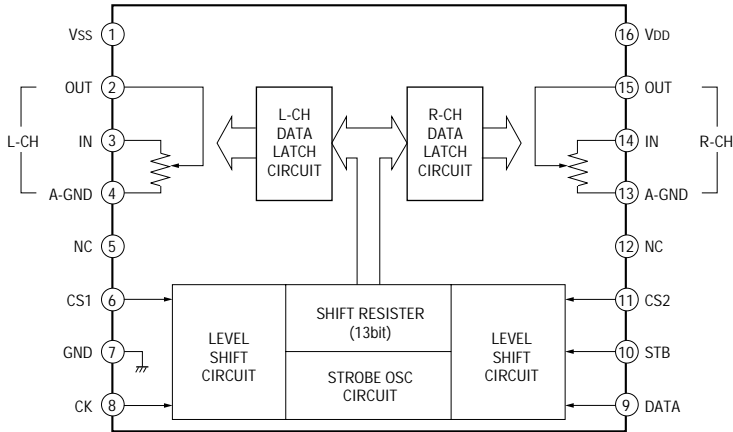
IC601 LA2786



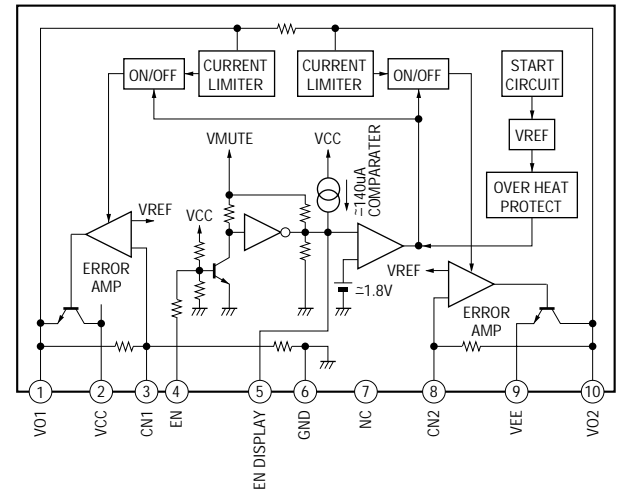
IC602 LV1016



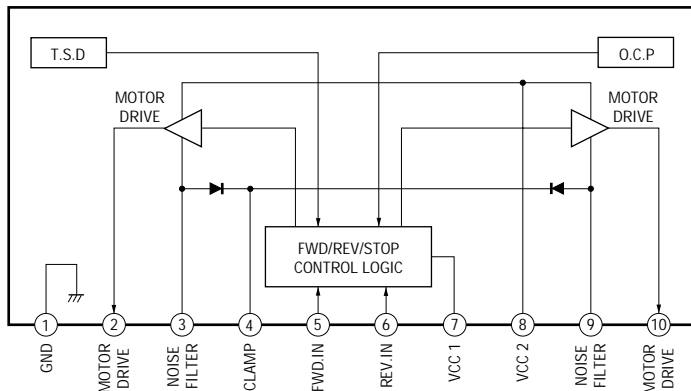
IC604 TC9210P



IC901 LA5617

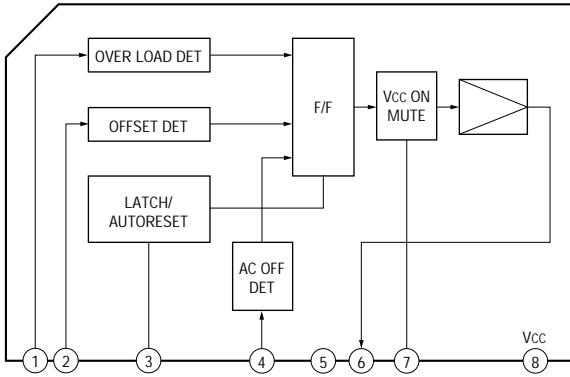


IC402 LB1641



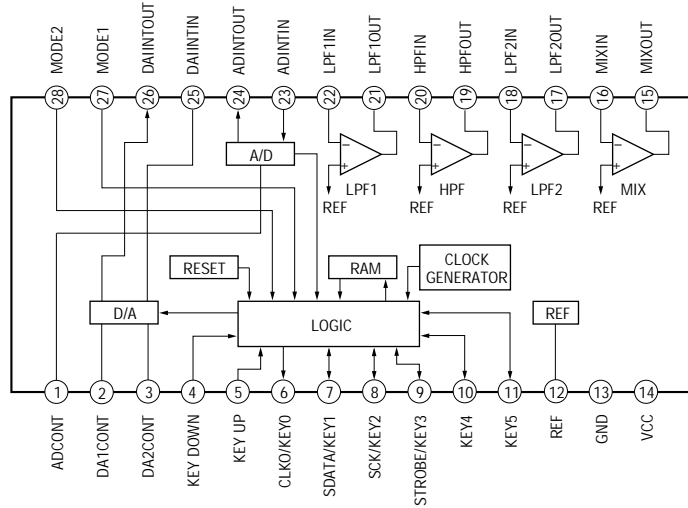
• Power, Sub Amp section

IC301, IC3002 uPC1237HA

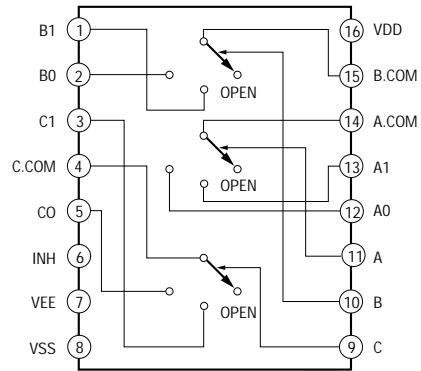


• KEY CON section

IC1401 M65847FP

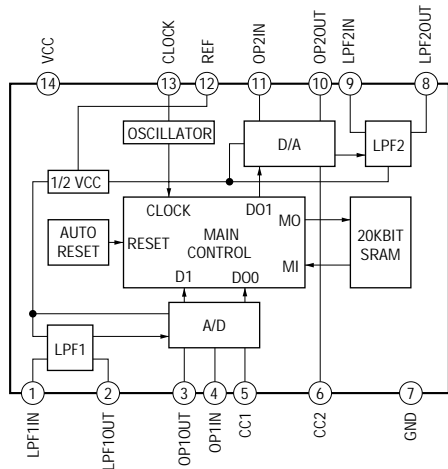


IC1403 MC14053BCP



• Panel section

IC761 M65850P



3-15. IC PIN FUNCTIONS

• IC601 DISPLAY CONTROL (TMP87CH75-6554)

Pin No.	Pin Name	I/O	Function
1	SEG35	O	FL segment signal output
2	VLOAD	-	Power supply (-25V) for FL segment signal output
3 to 10	LED1 to LED8	O	LED driver output
11	VSS	-	Ground
12	X-OUT	O	X'tall (8MHz)
13	X-IN	I	
14	RESET	I	Reset signal input from main controller
15	LED 9	O	Connected ground
16	LED10	O	
17	TEST	I	
18 to 23	LED11 to LED16	O	LED driver output
24	VOL-A	I	Rotary encoder (S701) pulse input
25	LED17	O	LED driver output
26	JOG-A	I	Rotary encoder (S711) pulse input
27	CLOCK	I	Serial clock input from main controller
28	DATA	I	Serial data input from main controller
29	LED SELECT	O	LED select signal output
30	VDD	-	Power supply (+5V)
31	VSS	-	Ground
32	MODEL	I	Version select signal input
33 to 37	KEY1 to KEY5	I	Key input
38	DOOR SW	I	DOOR SW (S691) ON/OFF signal input
39	SIRCS	I	Remote commander signal input
40	VOL-B	I	Rotary encoder (S701) pulse input
41	JOG-B	I	Rotary encoder (S711) pulse input
42	SPEANA-1	I	Spectrum analyzer input
43	SPEANA-2	I	Spectrum analyzer input
44	SPEANA-3	I	Spectrum analyzer input
45	SPEANA-4	I	Spectrum analyzer input
46	L + R	I	Spectrum analyzer (high frequency) input
47	LED18	O	LED driver output
48	VASS	-	Ground
49	VAREF	I	Analog reference voltage input
50	VDD	-	Power supply (+5V)
51 to 56	GR1 to GR16	O	FL gride signal output
67 to 100	SEG1 to SEG34	O	FL segment signal output

- Abbre viation
FL: Fluorescent indicator tube

• IC701 MASTER CONTROL (uPD780018YGF-027-3BA)

Pin No.	Pin Name	I/O	Function
1	TA-MUTE	O	Line mute signal output
2	DBFB-H/L	O	DBFB H/L select signal output
3	427-LT	O	Latch signal output for IC201 (62427)
4	KCON-LT	O	Latch signal output for key control
5	KCON-ON	O	Key control ON/OFF signal output
6	F-RELAY	O	Front speaker relay control output (Not used)
7	R-RELAY	O	Rear speaker relay control output
8	PL-RELAY	O	Not used
9	TEST	I	Connected to ground
10	X2	O	X'tal (5MHz)
11	X1	I	
12	VDD	–	Power supply (+5V)
13	XT2	O	X'tal (32.768 KHz)
14	XT1	I	
15	RESET	I	Reset signal input
16	INT/IN	I	Connected to ground
17	INT/IN/OUT	I	
18	SCOR	O	Subcode data request signal output
19	SOFT-TEST	O	Software test port
20	AC-CUT	I	Back up signal input
21	RDS-INT	I	Not used
22	RDS-DATA	I	Not used
23	VDD	–	Power supply (+5V)
24	AVDD	I	Analog reference voltage input.
25	ADJ	I	CD adjust point port Normal "H"
26	A-SHUT	I	A Deck reel pulse detector
27	B-SHUT	I	B Deck reel pulse detector
28	B-HALF	I	Half detector signal input
29	CLK-CHECK	I	Connected to ground
30	SPEC-IN	I	Version select signal input
31	ADJ 2	I	Connected to ground
32	DEMO-CHANGE	I	DEMO H/L select signal input (Fixed at "L")
33	AVSS	–	Ground
34	SQ-DATA-IN	I	Subcode Q data clock input
35	—	I	Not used
36	SQ-CLK	I	Sub code Q data clock input
37	SW-ON/OFF	O	Not used
38, 39	FUNC 1, 2	I	Connected to ground
40	VSS	–	Ground
41	VOL-LAT	O	Latch signal to erectrial volume (IC604)
42	PL-LAT	O	Latch signal to pro-logic (IC601, 602)
43	COM-DIN	I	Connected to ground
44	COM-DOUT	O	Common serial data output
45	COM-CLK	O	Common serial clock output
46	CD-POWER	O	CD power on signal output
47	CD-DATA	O	CD data output
48	CD-CLK	O	CD clock output
49	MSM-CMD	O	Not used
50	MSM-BUSY	I	Connected to ground

Pin No.	Pin Name	I/O	Function
51	MSM-LT	O	Not used
52	MSM-NAR	I	
53	MSM-CH	O	
54	INPUT-CHANGE	O	Input sensitivity switching output
55	IIC-DATA	O	Data output for IC601
56	IIC-CLK	O	Clock output for IC601
57	XRST	O	CD reset signal output
58	XLT	O	CD latch signal output
59	FOUCUS-SW	O	Not used
60	TBL-L	O	Table motor control output
61	TBL-R	O	
62	TRAY-LED	O	CD tray LED ON/OFF output
63	LOAD-OUT	O	Not used
64	LOAD-IN	O	
65	ST-CLK	O	Tuner clock output
66	ST-DIN	I	Tuner data input
67	ST-DOUT	O	Tuner data output
68	ST-CE	O	Tuner chip enable output
69	TUNED	I	Tuned detection for tuner
70	STEREO	I	Stereo detection for tuner
71	VSS	-	Ground
72	ST-MUTE	O	Tuner mute signal output
73	SENS2	I	BD Condition signal input
74	SENS	I	
75	DISC-SENS	I	Not used
76	T-SENS	I	CD table detection signal input
77	UP-SW	I	Up SW (S201) signal input
78	ENC 3	I	Not used
79	ENC 2	I	
80	ENC 1	I	
81	OUT-OPEN	I	Not used
82	CAP-M-H/N	O	Capstan motor H/N speed select signal output
83	B-TRG	O	Trigger motor control output
84	A-TRG	O	Trigger motor control output
85	TRG-LOW	O	Trigger motor control output
86	CAP-M-ON/OFF	O	Capstan motor ON/OFF signal output
87	PB-A/B	O	PB Deck A/Deck B select output
88	EQ-H/N	O	Equalizer H/N select output
89	BIAS	O	Bias ON/OFF signal output
90	REC-MUTE	O	REC mute ON/OFF selection output
91	NR-ON/OFF	O	NR ON/OFF signal output
92	R/P-PASS	O	REC/PB/PASS selection output
93	TC-MUTE	O	TC mute ON/OFF selection output
94	A-PLAY-SW	I	Deck A play detect
95	B-PLAY-SW	I	Deck B play detect
96	TC-RELAY	O	REC/PB head selection output for IC602
97	A-HALF	I	Deck A cassette detect
98	POWER	O	POWER ON/OFF signal output
99	SW-F-CHG	O	Super woofer mode signal output (Not used)
100	STK-MUTE	O	Power amp ON/OFF signal output

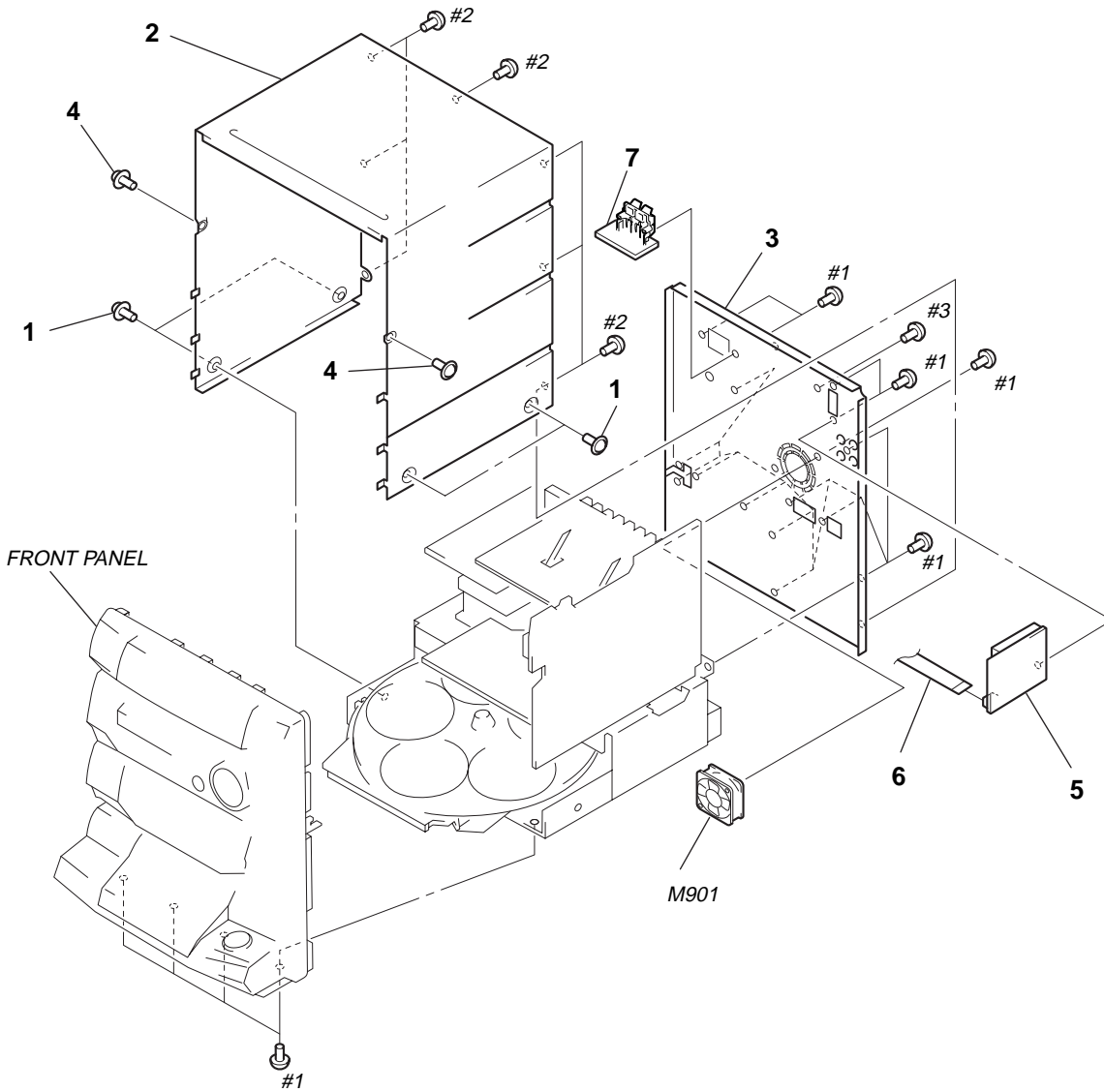
SECTION 4 EXPLODED VIEWS

NOTE:

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

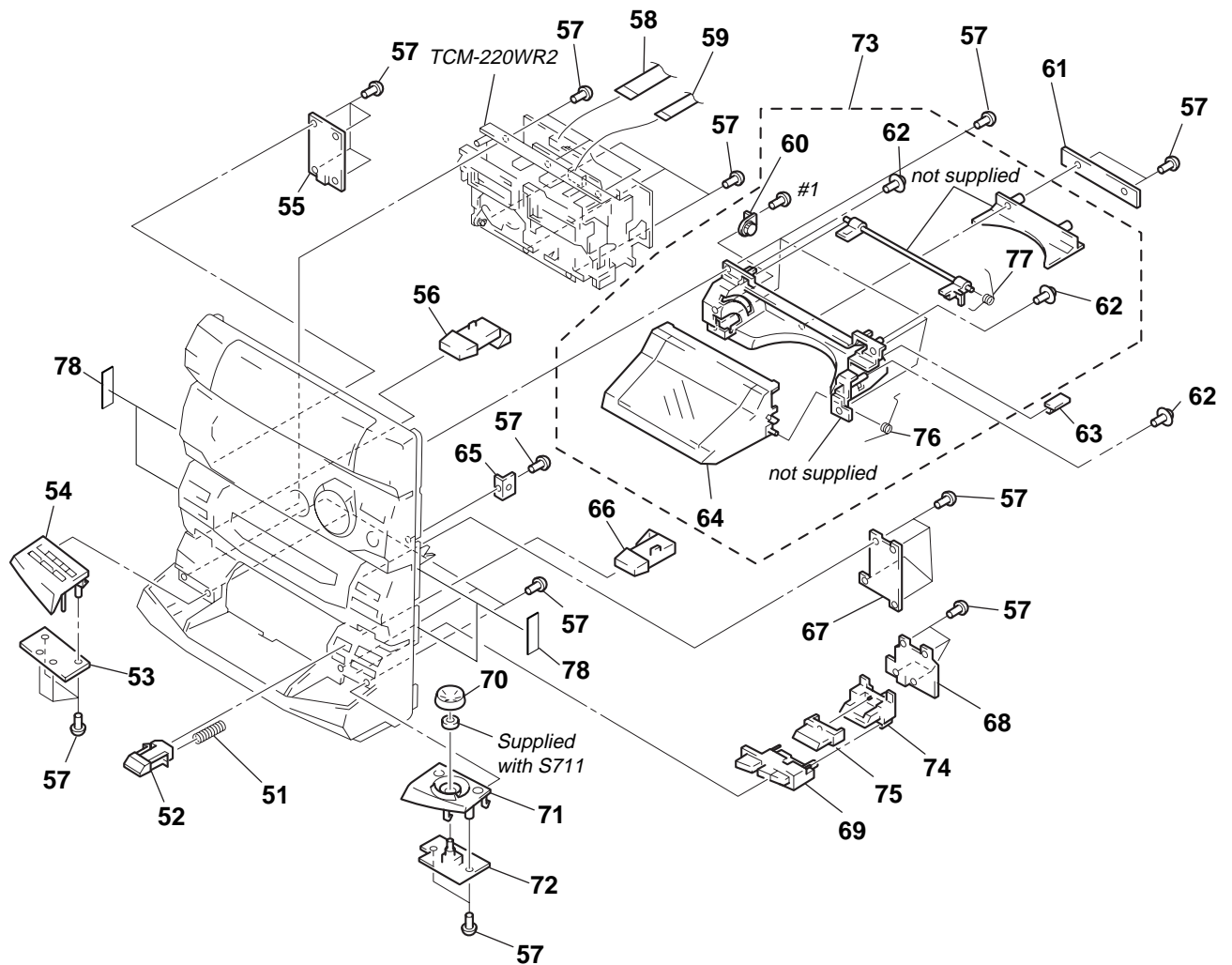
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety.
Replace only with part number specified.

4-1. CASE AND BACK PANEL SECTION



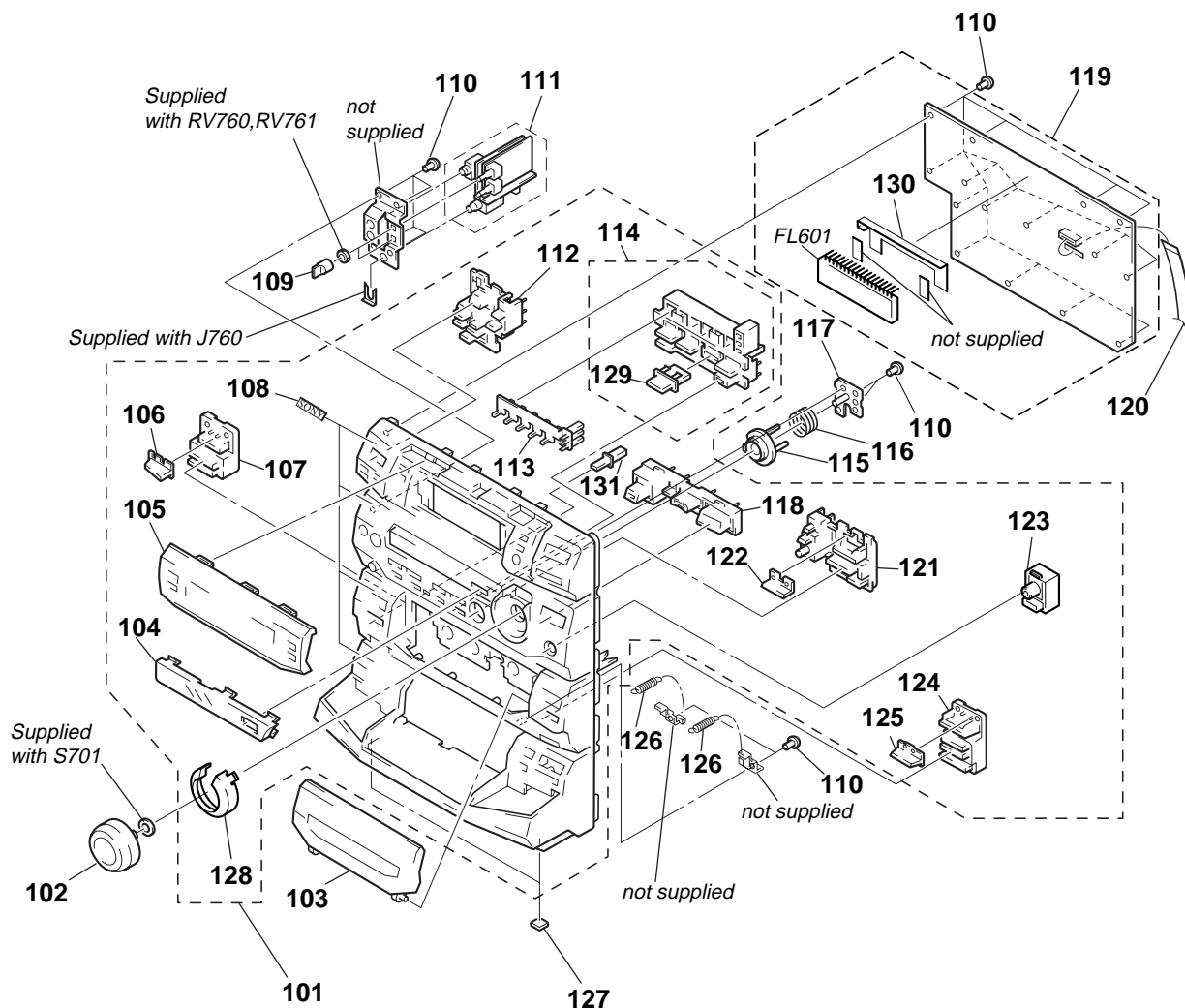
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-929-973-01	SCREW (CASE, 3 POINT)		6	1-769-974-11	WIRE (FLAT TYPE) (13 CORE)	
* 2	4-987-052-31	CASE		* 7	1-668-984-11	SPEAKER TERMINAL BOARD	
* 3	4-988-222-81	PANEL, BACK		M901	1-698-792-11	FAN, DC	
4	3-363-099-01	SCREW (CASE 3 TP2)					
5	1-233-545-11	ENCAPSULATED COMPONENT					

4-2. FRONT PANEL SECTION 1



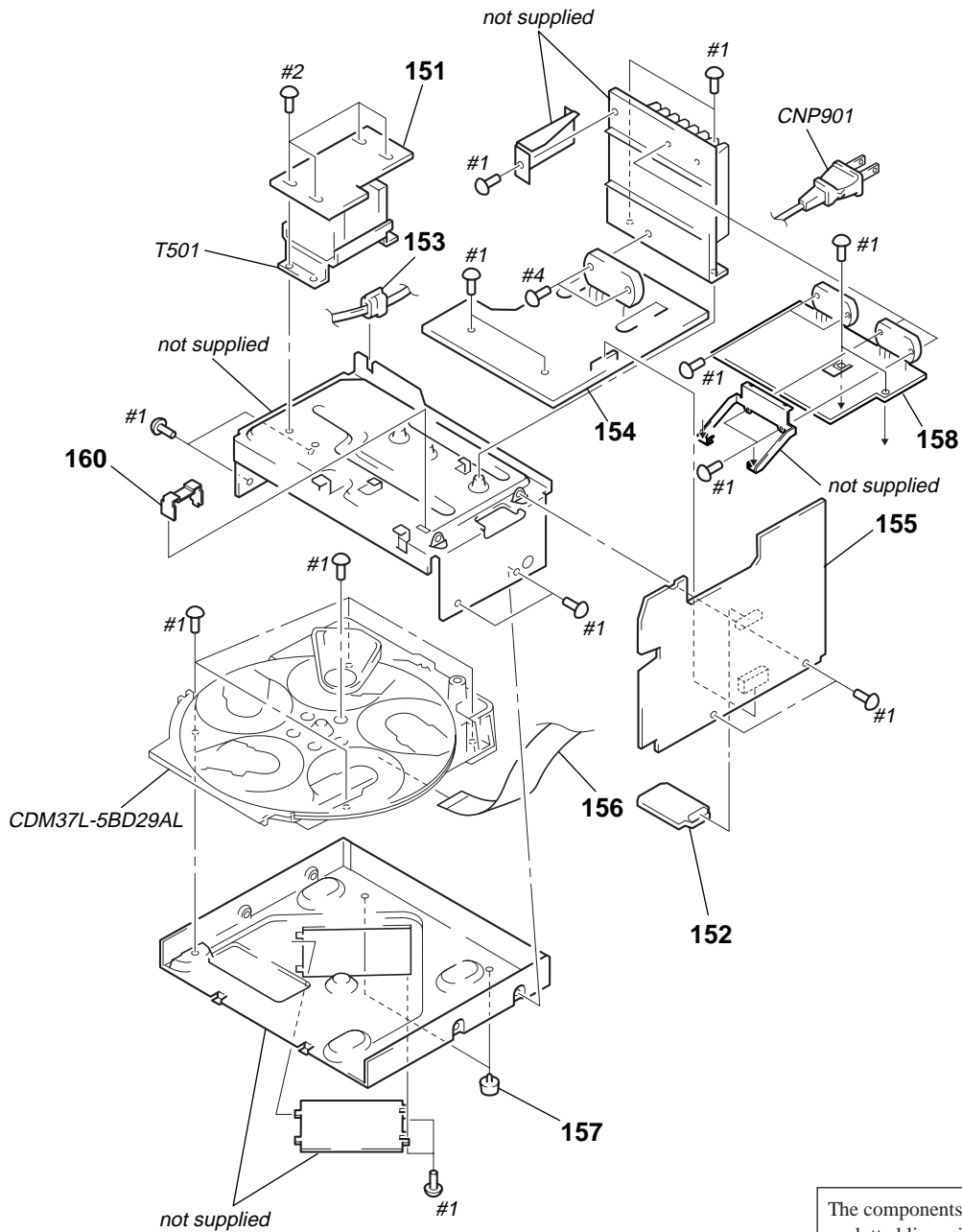
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	51	4-987-995-01	SPRING (CD EJECT), COMPRESSION		66	4-987-000-01	BUTTON (EJECT B)
	52	4-987-001-01	BUTTON (EJECT CD)	*	67	1-664-013-11	TC-B SW BOARD
*	53	1-664-019-11	CD-A SW BOARD	*	68	1-664-020-11	CD-B1 SW BOARD
	54	X-4948-348-1	PANEL (A) SUB ASSY		69	X-4947-969-1	BUTTON (CD STOP) ASSY
*	55	1-664-012-11	TC-A SW BOARD		70	4-987-037-01	KNOB (JOG)
	56	4-986-999-01	BUTTON (EJECT A)		71	X-4948-296-1	PANEL (B) SUB ASSY
	57	4-951-620-01	SCREW (2.6X8), +BVTP	*	72	1-664-021-11	CD-B2 SW BOARD
	58	1-773-163-11	WIRE (FLAT TYPE) (21 CORE)		73	A-4384-540-A	LID ASSY, CD
	59	1-769-949-11	WIRE (FLAT TYPE) (11 CORE)		74	4-987-002-01	BUTTON (CD.PLAY)
	60	3-354-963-01	DAMPER		75	4-987-014-01	INDICATOR (CD)
*	61	1-664-017-11	CD-LED BOARD		76	4-987-997-01	SPRING (CD.LID), TORSION
	62	4-957-577-01	SCREW PTP WH (2.6X8) (DIA. 10)		77	4-987-998-01	SPRING (LOCK SHAFT), TORSION
*	63	1-664-016-11	DOOR SW BOARD		78	3-568-749-00	CUSHION, ECM
	64	4-987-038-31	LID, DISC				
*	65	4-987-933-01	BRACKET (TA)				

4-3. FRONT PANEL SECTION 2



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	X-4949-237-1	PANEL ASSY		* 117	4-987-041-01	COVER, CURSOR	
102	4-987-036-01	KNOB (VOL)		118	X-4947-963-1	BUTTON (FUNCTION) ASSY	
103	X-4947-961-1	LID ASSY, CASSETTE		* 119	A-4398-698-A	PANEL BOARD, COMPLETE	
104	4-987-032-01	DISPLAY (TA)		120	1-773-051-11	WIRE (FLAT TYPE) (17 CORE)	
105	4-987-028-01	DISPLAY (ST)					
106	4-987-021-01	INDICATOR (TC A)		121	X-4947-962-1	BUTTON (TUNER) ASSY	
107	4-986-997-01	BUTTON (DECK.A)		122	4-987-013-01	INDICATOR (TUNER)	
108	4-963-404-21	EMBLEM (5-A), SONY		123	X-4949-238-1	BUTTON (WOOFER) ASSY	
109	4-973-644-01	KNOB (MIC)		124	X-4947-967-1	BUTTON (DECK B) ASSY	
110	4-951-620-01	SCREW (2.6X8), +BVTP		125	4-987-022-01	INDICATOR (TC B)	
* 111	A-4398-668-A	HP/MIC BOARD, COMPLETE		126	4-987-996-01	SPRING (TC LID), TENSION	
112	4-986-986-01	BUTTON (POWER)		127	4-948-236-01	CUSHION (107)	
113	4-987-012-01	INDICATOR (TA)		128	4-987-930-01	PLATE (VOL), ORNAMENTAL	
114	X-4947-990-1	BUTTON (SOUND) ASSY		129	4-988-219-01	BUTTON (DOLBY)	
115	4-986-990-01	BUTTON (CURSOR)		* 130	4-986-870-01	HOLDER, FL TUBE	
116	4-978-683-01	SPRING, COMPRESSION		131	4-987-017-01	INDICATOR (KEY.CON)	
				FL601	1-517-617-11	INDICATOR TUBE, FLUORESCENT	

4-4. CHASSIS SECTION



The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 151	1-663-994-11	TRANS BOARD		157	X-4941-228-1	FOOT ASSY	
* 152	A-4398-706-A	KEY CON BOARD, COMPLETE		* 158	A-4407-458-A	SUB AMP BOARD, COMPLETE	
	153	3-703-571-11 BUSHING (S) (4516), CORD		* 160	4-988-533-01	HOLDER, PWB	
* 154	A-4398-703-A	POWER BOARD, COMPLETE		\triangle CNP901	1-751-326-21	CORD, POWER	
* 155	A-4403-498-A	MAIN BOARD, COMPLETE		\triangle T501	1-431-781-11	TRANSFORMER, POWER	
156	1-777-868-11	WIRE (FLAT TYPE) (19 CORE)					

CD-A SW

CD-B1 SW

CD-B2 SW

CD-LED

SECTION 5
ELECTRICAL PARTS LIST

Note:

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
• -XX, -X mean standardized parts, so they may have some difference from the original one.
• Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
• RESISTORS
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F : nonflammable
• SEMICONDUCTORS
In each case, u: μ, for example:
uA...: μ A..., uPA...: μ PA..., uPB...: μ PB...,
uPC...: μ PC..., uPD...: μ PD...
• CAPACITORS
uF : μ F
• COILS
uH : μ H

Table with columns: Ref. No., Part No., Description, Remark. Includes rows for CD-A SW BOARD, DIODE SEL5223S-TP15, CARBON resistors (R731-R741), SWITCH, and CD-B1 SW BOARD.

Table with columns: Ref. No., Part No., Description, Remark. Includes rows for CARBON resistors (R750-R751), SWITCH, CD-B2 SW BOARD, CARBON resistors (R752-R756), SWITCH, CD-LED BOARD, PIN, CONNECTOR 2P, DIODE, and CARBON resistors (R791).

Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark	
*	1-664-016-11	DOOR SW BOARD *****					< DIODE >		
		< CAPACITOR >			D761	8-719-200-82	DIODE 11ES2		
					D762	8-719-200-82	DIODE 11ES2		
					D763	8-719-200-82	DIODE 11ES2		
C691	1-164-159-21	CERAMIC 0.1uF	50V				< IC >		
		< CONNECTOR >			IC760	8-759-634-51	IC M5218AP		
CN661	1-506-481-11	PIN, CONNECTOR 2P			IC761	8-759-450-96	IC M65850P		
		< SWITCH >					< JACK >		
S691	1-771-057-11	SWITCH, PUSH (1 KEY)(▲ OPEN)			J760	1-770-226-41	JACK (LARGE TYPE)(PHONES)		
					J761	1-770-226-41	JACK (LARGE TYPE)(MIC 1)		
					J762	1-770-226-41	JACK (LARGE TYPE)(MIC 2)		

*	A-4398-668-A	HP/MIC BOARD, COMPLETE *****					< COIL >		
		< CAPACITOR >			L761	1-410-521-11	INDUCTOR 100uH		
							< BASE POST >		
C760	1-162-306-11	CERAMIC 0.01uF 20%	16V		* LP2	1-690-880-21	LEAD (WITH CONNECTOR)		
C761	1-126-961-11	ELECT 2.2uF 20%	50V				< RESISTOR >		
C762	1-162-306-11	CERAMIC 0.01uF 20%	16V		R760	1-249-429-11	CARBON 10K 5%	1/4W	
C763	1-126-961-11	ELECT 2.2uF 20%	50V		R761	1-249-417-11	CARBON 1K 5%	1/4W F	
C764	1-162-294-31	CERAMIC 0.001uF 10%	50V		R762	1-249-429-11	CARBON 10K 5%	1/4W	
					R763	1-249-417-11	CARBON 1K 5%	1/4W F	
C765	1-162-215-31	CERAMIC 47PF 5%	50V		R764	1-249-441-11	CARBON 100K 5%	1/4W	
C766	1-162-290-31	CERAMIC 470PF 10%	50V				< VARIABLE RESISTOR >		
C767	1-162-215-31	CERAMIC 47PF 5%	50V		R765	1-249-417-11	CARBON 1K 5%	1/4W F	
C768	1-126-961-11	ELECT 2.2uF 20%	50V		R766	1-249-437-11	CARBON 47K 5%	1/4W	
C769	1-162-282-31	CERAMIC 100PF 10%	50V		R767	1-249-429-11	CARBON 10K 5%	1/4W	
					R768	1-249-431-11	CARBON 15K 5%	1/4W	
C770	1-126-961-11	ELECT 2.2uF 20%	50V		R769	1-247-885-00	CARBON 180K 5%	1/4W	
C771	1-126-959-11	ELECT 0.47uF 20%	50V						
C773	1-126-964-11	ELECT 10uF 20%	50V		R770	1-247-807-31	CARBON 100 5%	1/4W	
C774	1-126-964-11	ELECT 10uF 20%	50V		R771	1-247-863-91	CARBON 22K 5%	1/4W	
C775	1-162-294-31	CERAMIC 0.001uF 10%	50V		R772	1-247-863-91	CARBON 22K 5%	1/4W	
					R773	1-247-863-91	CARBON 22K 5%	1/4W	
C776	1-162-294-31	CERAMIC 0.001uF 10%	50V		R774	1-247-881-00	CARBON 120K 5%	1/4W	
C777	1-126-960-11	ELECT 1uF 20%	50V						
C778	1-162-305-11	CERAMIC 0.0068uF 30%	16V		R775	1-247-863-91	CARBON 22K 5%	1/4W	
C779	1-162-294-31	CERAMIC 0.001uF 10%	50V		R776	1-247-863-91	CARBON 22K 5%	1/4W	
C780	1-136-495-11	FILM 0.068uF 5%	50V		R777	1-247-863-91	CARBON 22K 5%	1/4W	
					R778	1-249-437-11	CARBON 47K 5%	1/4W	
C781	1-126-957-11	ELECT 0.22uF 20%	50V		R779	1-249-431-11	CARBON 15K 5%	1/4W	
C782	1-126-957-11	ELECT 0.22uF 20%	50V						
C783	1-126-967-11	ELECT 47uF 20%	10V						
C784	1-136-495-11	FILM 0.068uF 5%	50V						
C785	1-162-305-11	CERAMIC 0.0068uF 30%	16V						
C786	1-162-294-31	CERAMIC 0.001uF 10%	50V						
C787	1-124-250-11	ELECT 0.15uF 20%	50V		RV760	1-225-366-11	RES, VAR, CARBON 50K (MIC LEVEL)		
C788	1-126-960-11	ELECT 1uF 20%	50V		RV761	1-225-366-11	RES, VAR, CARBON 50K (ECHO LEVEL)		
C789	1-161-494-00	CERAMIC 0.022uF	25V		*****				
C790	1-126-967-11	ELECT 47uF 20%	10V						
					*	A-4398-706-A	KEY CON BOARD, COMPLETE *****		
							< CAPACITOR >		
C791	1-164-159-21	CERAMIC 0.1uF	50V		C1401	1-164-159-21	CERAMIC 0.1uF	50V	
C794	1-164-159-21	CERAMIC 0.1uF	50V		C1403	1-126-964-11	ELECT 10uF 20%	50V	
C795	1-164-159-21	CERAMIC 0.1uF	50V		C1404	1-126-964-11	ELECT 10uF 20%	50V	
C797	1-162-302-11	CERAMIC 0.0022uF 20%	16V		C1405	1-126-964-11	ELECT 10uF 20%	50V	
C798	1-164-159-21	CERAMIC 0.1uF	50V		C1406	1-126-964-11	ELECT 10uF 20%	50V	
C799	1-164-159-21	CERAMIC 0.1uF	50V						
		< CONNECTOR >							
* CN701	1-568-935-11	PIN, CONNECTOR 8P							

KEY CON	MAIN
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Ref. No.	Part No.	Description	Remark
C1431	1-130-493-00	MYLAR 0.068uF 5%	50V
C1432	1-130-493-00	MYLAR 0.068uF 5%	50V
C1433	1-130-493-00	MYLAR 0.068uF 5%	50V
C1434	1-162-284-31	CERAMIC 150PF 10%	50V
C1436	1-126-967-11	ELECT 47uF 20%	10V
C1437	1-164-159-21	CERAMIC 0.1uF	50V
C1438	1-126-933-11	ELECT 100uF 20%	10V
C1439	1-126-964-11	ELECT 10uF 20%	50V
C1445	1-136-165-00	FILM 0.1uF 5%	50V
C1446	1-136-165-00	FILM 0.1uF 5%	50V
C1448	1-126-964-11	ELECT 10uF 20%	50V
C1451	1-162-286-21	CERAMIC 220PF 10%	50V
C1454	1-162-286-21	CERAMIC 220PF 10%	50V
C1461	1-162-294-31	CERAMIC 0.001uF 10%	50V
C1462	1-162-306-11	CERAMIC 0.01uF 20%	16V
C1466	1-162-600-11	CERAMIC 0.0047uF 20%	16V
C1467	1-162-291-31	CERAMIC 560PF 10%	50V
C1468	1-162-290-31	CERAMIC 470PF 10%	50V
C1472	1-162-600-11	CERAMIC 0.0047uF 20%	16V
< CONNECTOR >			
CN1401	1-566-999-11	PIN, CONNECTOR 13P	
< IC >			
IC1401	8-759-370-84	IC M65847FP-TP	
IC1403	8-759-140-53	IC uPD4053BC	
< COIL >			
L1401	1-410-521-11	INDUCTOR 100uH	
< TRANSISTOR >			
Q1401	8-729-900-80	TRANSISTOR DTC114ES	
Q1403	8-729-119-78	TRANSISTOR 2SC2785-HFE	
< RESISTOR >			
R1413	1-247-863-91	CARBON 22K 5%	1/4W
R1414	1-247-863-91	CARBON 22K 5%	1/4W
R1417	1-249-429-11	CARBON 10K 5%	1/4W
R1418	1-249-425-11	CARBON 4.7K 5%	1/4W F
R1419	1-249-425-11	CARBON 4.7K 5%	1/4W F
R1421	1-249-417-11	CARBON 1K 5%	1/4W F
R1422	1-249-429-11	CARBON 10K 5%	1/4W
R1431	1-247-903-00	CARBON 1M 5%	1/4W
R1435	1-247-807-31	CARBON 100 5%	1/4W
R1436	1-249-429-11	CARBON 10K 5%	1/4W
R1437	1-249-425-11	CARBON 4.7K 5%	1/4W F
R1438	1-247-807-31	CARBON 100 5%	1/4W
R1448	1-249-429-11	CARBON 10K 5%	1/4W
R1450	1-249-441-11	CARBON 100K 5%	1/4W
R1451	1-249-429-11	CARBON 10K 5%	1/4W
R1452	1-249-425-11	CARBON 4.7K 5%	1/4W F
R1453	1-249-429-11	CARBON 10K 5%	1/4W
R1457	1-249-424-11	CARBON 3.9K 5%	1/4W F
R1458	1-249-431-11	CARBON 15K 5%	1/4W
R1459	1-249-429-11	CARBON 10K 5%	1/4W
R1460	1-247-863-91	CARBON 22K 5%	1/4W

Ref. No.	Part No.	Description	Remark
*	A-4403-498-A	MAIN BOARD, COMPLETE	

< CAPACITOR >			
C101	1-162-288-31	CERAMIC 330PF 10%	50V
C103	1-162-282-31	CERAMIC 100PF 10%	50V
C104	1-162-282-31	CERAMIC 100PF 10%	50V
C105	1-126-961-11	ELECT 2.2uF 20%	50V
C106	1-130-479-00	MYLAR 0.0047uF 5%	50V
C107	1-130-473-00	MYLAR 0.0015uF 5%	50V
C108	1-136-159-00	FILM 0.033uF 5%	50V
C109	1-126-933-11	ELECT 100uF 20%	10V
C110	1-162-306-11	CERAMIC 0.01uF 20%	16V
C111	1-162-306-11	CERAMIC 0.01uF 20%	16V
C114	1-162-306-11	CERAMIC 0.01uF 20%	16V
C121	1-162-286-21	CERAMIC 220PF 10%	50V
C125	1-109-889-11	ELECT, NONPOLAR 1uF 20%	50V
C150	1-162-306-11	CERAMIC 0.01uF 20%	16V
C151	1-162-288-31	CERAMIC 330PF 10%	50V
C153	1-162-282-31	CERAMIC 100PF 10%	50V
C154	1-162-282-31	CERAMIC 100PF 10%	50V
C155	1-126-961-11	ELECT 2.2uF 20%	50V
C156	1-130-479-00	MYLAR 0.0047uF 5%	50V
C157	1-130-473-00	MYLAR 0.0015uF 5%	50V
C158	1-136-159-00	FILM 0.033uF 5%	50V
C159	1-126-933-11	ELECT 100uF 20%	10V
C164	1-162-306-11	CERAMIC 0.01uF 20%	16V
C171	1-162-286-21	CERAMIC 220PF 10%	50V
C201	1-136-169-00	FILM 0.22uF 5%	50V
C202	1-136-169-00	FILM 0.22uF 5%	50V
C203	1-136-495-11	FILM 0.068uF 5%	50V
C204	1-136-495-11	FILM 0.068uF 5%	50V
C205	1-136-156-00	FILM 0.018uF 5%	50V
C206	1-136-156-00	FILM 0.018uF 5%	50V
C207	1-130-480-00	MYLAR 0.0056uF 5%	50V
C208	1-130-479-00	MYLAR 0.0047uF 5%	50V
C209	1-130-474-00	MYLAR 0.0018uF 5%	50V
C210	1-126-964-11	ELECT 10uF 20%	50V
C211	1-126-964-11	ELECT 10uF 20%	50V
C212	1-136-171-00	FILM 0.33uF 5%	50V
C213	1-136-171-00	FILM 0.33uF 5%	50V
C214	1-126-964-11	ELECT 10uF 20%	50V
C215	1-136-153-00	FILM 0.01uF 5%	50V
C230	1-136-167-00	FILM 0.15uF 5%	50V
C231	1-130-471-00	MYLAR 0.001uF 5%	50V
C234	1-126-933-11	ELECT 100uF 20%	10V
C235	1-164-159-21	CERAMIC 0.1uF	50V
C237	1-126-964-11	ELECT 10uF	20% 50V
C238	1-162-286-21	CERAMIC 220PF	10% 50V
C239	1-162-306-11	CERAMIC 0.01uF	20% 16V
C241	1-162-306-11	CERAMIC 0.01uF	20% 16V
C242	1-126-933-11	ELECT 100uF	20% 10V
C247	1-162-306-11	CERAMIC 0.01uF	20% 16V
C248	1-126-964-11	ELECT 10uF	20% 50V
C251	1-136-169-00	FILM 0.22uF	5% 50V
C252	1-136-169-00	FILM 0.22uF	5% 50V
C253	1-136-495-11	FILM 0.068uF	5% 50V
C254	1-136-495-11	FILM 0.068uF	5% 50V
C255	1-136-156-00	FILM 0.018uF	5% 50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C256	1-136-156-00	FILM	0.018uF	5%	50V	C626	1-126-923-11	ELECT	220uF	20%	10V
C257	1-130-480-00	MYLAR	0.0056uF	5%	50V	C627	1-136-161-00	FILM	0.047uF	5%	50V
C258	1-130-479-00	MYLAR	0.0047uF	5%	50V						
C259	1-130-474-00	MYLAR	0.0018uF	5%	50V	C628	1-136-157-00	FILM	0.022uF	5%	50V
C260	1-126-964-11	ELECT	10uF	20%	50V	C629	1-162-292-31	CERAMIC	680PF	10%	50V
						C630	1-126-933-11	ELECT	100uF	20%	10V
C261	1-126-964-11	ELECT	10uF	20%	50V	C631	1-162-306-11	CERAMIC	0.01uF	20%	16V
C262	1-136-171-00	FILM	0.33uF	5%	50V	C632	1-126-964-11	ELECT	10uF	20%	50V
C263	1-136-171-00	FILM	0.33uF	5%	50V						
C264	1-126-964-11	ELECT	10uF	20%	50V	C633	1-136-173-00	FILM	0.47uF	5%	50V
C265	1-136-153-00	FILM	0.01uF	5%	50V	C634	1-104-664-11	ELECT	47uF	20%	25V
						C635	1-130-467-00	MYLAR	470PF	5%	50V
C275	1-162-294-31	CERAMIC	0.001uF	10%	50V	C636	1-130-467-00	MYLAR	470PF	5%	50V
C301	1-130-479-00	MYLAR	0.0047uF	5%	50V	C637	1-162-306-11	CERAMIC	0.01uF	20%	16V
C302	1-162-290-31	CERAMIC	470PF	10%	50V						
C303	1-136-165-00	FILM	0.1uF	5%	50V	C638	1-162-306-11	CERAMIC	0.01uF	20%	16V
C304	1-126-964-11	ELECT	10uF	20%	50V	C641	1-136-171-00	FILM	0.33uF	5%	50V
						C642	1-136-159-00	FILM	0.033uF	5%	50V
C305	1-126-960-11	ELECT	1uF	20%	50V	C643	1-162-306-11	CERAMIC	0.01uF	20%	16V
C307	1-126-964-11	ELECT	10uF	20%	50V	C644	1-126-933-11	ELECT	100uF	20%	10V
C308	1-126-964-11	ELECT	10uF	20%	50V						
C309	1-126-960-11	ELECT	1uF	20%	50V	C645	1-126-961-11	ELECT	2.2uF	20%	50V
C310	1-126-933-11	ELECT	100uF	20%	10V	C646	1-162-286-21	CERAMIC	220PF	10%	50V
						C647	1-162-306-11	CERAMIC	0.01uF	20%	16V
C351	1-130-479-00	MYLAR	0.0047uF	5%	50V	C648	1-126-923-11	ELECT	220uF	20%	10V
C352	1-162-290-31	CERAMIC	470PF	10%	50V	C649	1-136-164-00	FILM	0.082uF	5%	50V
C353	1-136-165-00	FILM	0.1uF	5%	50V						
C355	1-126-960-11	ELECT	1uF	20%	50V	C650	1-130-477-00	MYLAR	0.0033uF	5%	50V
C357	1-126-964-11	ELECT	10uF	20%	50V	C651	1-136-164-00	FILM	0.082uF	5%	50V
						C652	1-136-173-00	FILM	0.47uF	5%	50V
C358	1-126-964-11	ELECT	10uF	20%	50V	C653	1-126-923-11	ELECT	220uF	20%	10V
C359	1-126-960-11	ELECT	1uF	20%	50V	C654	1-126-960-11	ELECT	1uF	20%	50V
C360	1-126-933-11	ELECT	100uF	20%	10V						
C401	1-164-159-21	CERAMIC	0.1uF		50V	C655	1-126-960-11	ELECT	1uF	20%	50V
C402	1-164-159-21	CERAMIC	0.1uF		50V	C656	1-126-964-11	ELECT	10uF	20%	50V
						C657	1-162-306-11	CERAMIC	0.01uF	20%	16V
C403	1-164-159-21	CERAMIC	0.1uF		50V	C658	1-162-286-21	CERAMIC	220PF	10%	50V
C404	1-126-933-11	ELECT	100uF	20%	16V	C660	1-126-933-11	ELECT	100uF	20%	10V
C405	1-126-767-11	ELECT	1000uF	20%	16V						
C601	1-136-167-00	FILM	0.15uF	5%	50V	C661	1-162-294-31	CERAMIC	0.001uF	10%	50V
C602	1-136-167-00	FILM	0.15uF	5%	50V	C662	1-126-933-11	ELECT	100uF	20%	10V
						C663	1-162-294-31	CERAMIC	0.001uF	10%	50V
C603	1-126-962-11	ELECT	3.3uF	20%	50V	C664	1-126-964-11	ELECT	10uF	20%	50V
C604	1-126-962-11	ELECT	3.3uF	20%	50V	C665	1-126-964-11	ELECT	10uF	20%	50V
C605	1-136-167-00	FILM	0.15uF	5%	50V						
C606	1-136-167-00	FILM	0.15uF	5%	50V	C666	1-126-964-11	ELECT	10uF	20%	50V
C607	1-126-963-11	ELECT	4.7uF	20%	50V	C667	1-126-964-11	ELECT	10uF	20%	50V
						C668	1-162-286-21	CERAMIC	220PF	10%	50V
C608	1-126-963-11	ELECT	4.7uF	20%	50V	C669	1-109-889-11	ELECT, NONPOLAR	1uF	20%	50V
C609	1-136-173-00	FILM	0.47uF	5%	50V	C678	1-162-294-31	CERAMIC	0.001uF	10%	50V
C610	1-136-173-00	FILM	0.47uF	5%	50V						
C611	1-126-963-11	ELECT	4.7uF	20%	50V	C711	1-126-916-11	ELECT	1000uF	20%	6.3V
C612	1-126-963-11	ELECT	4.7uF	20%	50V	C712	1-164-159-21	CERAMIC	0.1uF		50V
						C713	1-164-031-11	CERAMIC	33PF	5%	50V
C613	1-136-173-00	FILM	0.47uF	5%	50V	C714	1-164-056-11	CERAMIC	27PF	5%	50V
C614	1-136-173-00	FILM	0.47uF	5%	50V	C723	1-164-159-21	CERAMIC	0.1uF		50V
C615	1-136-165-00	FILM	0.1uF	5%	50V						
C616	1-136-165-00	FILM	0.1uF	5%	50V	C724	1-126-933-11	ELECT	100uF	20%	10V
C617	1-136-165-00	FILM	0.1uF	5%	50V	C766	1-162-294-31	CERAMIC	0.001uF	10%	50V
						C801	1-126-961-11	ELECT	2.2uF	20%	50V
C618	1-136-165-00	FILM	0.1uF	5%	50V	C803	1-126-925-11	ELECT	470uF	20%	10V
C619	1-126-960-11	ELECT	1uF	20%	50V	C804	1-164-159-21	CERAMIC	0.1uF		50V
C620	1-126-960-11	ELECT	1uF	20%	50V						
C621	1-126-923-11	ELECT	220uF	20%	10V	C805	1-162-282-31	CERAMIC	100PF	10%	50V
C622	1-126-964-11	ELECT	10uF	20%	50V	C811	1-126-961-11	ELECT	2.2uF	20%	50V
						C853	1-162-294-31	CERAMIC	0.001uF	10%	50V
C623	1-126-964-11	ELECT	10uF	20%	50V	C854	1-162-294-31	CERAMIC	0.001uF	10%	50V
C624	1-126-964-11	ELECT	10uF	20%	50V	C855	1-162-294-31	CERAMIC	0.001uF	10%	50V
C625	1-126-964-11	ELECT	10uF	20%	50V						

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C856	1-162-294-31	CERAMIC	0.001uF 10% 50V	D953	8-719-987-63	DIODE 1N4148M	
C861	1-162-306-11	CERAMIC	0.01uF 20% 16V	D954	8-719-987-63	DIODE 1N4148M	
C862	1-126-964-11	ELECT	10uF 20% 50V			< GROUND TERMINAL >	
C863	1-126-964-11	ELECT	10uF 20% 50V				
C901	1-126-937-11	ELECT	4700uF 20% 16V	* EPT901	1-537-738-21	TERMINAL, EARTH	
C902	1-126-768-11	ELECT	2200uF 20% 16V			< FERRITE BEAD >	
C903	1-164-159-21	CERAMIC	0.1uF 50V				
C904	1-164-159-21	CERAMIC	0.1uF 50V	FB801	1-412-473-21	INDUCTOR 0UH	
C908	1-126-933-11	ELECT	100uF 20% 10V			< IC >	
C909	1-126-933-11	ELECT	100uF 20% 10V				
C910	1-126-964-11	ELECT	10uF 20% 50V	IC101	8-759-634-51	IC M5218AP	
C911	1-126-768-11	ELECT	2200uF 20% 16V	IC102	8-759-000-48	IC MC14052BCP	
C913	1-126-964-11	ELECT	10uF 20% 50V	IC103	8-759-140-53	IC uPD4053BC	
C914	1-126-767-11	ELECT	1000uF 20% 16V	IC201	8-759-460-02	IC M62427FP-A	
C915	1-126-964-11	ELECT	10uF 20% 50V	IC401	8-759-363-21	IC HA12203NT	
C916	1-126-916-11	ELECT	1000uF 20% 6.3V	IC402	8-759-822-09	IC LB1641	
C917	1-126-925-11	ELECT	470uF 20% 10V	IC601	8-759-442-96	IC LA2786	
C918	1-126-933-11	ELECT	100uF 20% 10V	IC602	8-759-442-97	IC LV1016	
C919	1-126-964-11	ELECT	10uF 20% 50V	IC603	8-759-634-51	IC M5218AP	
C920	1-126-933-11	ELECT	100uF 20% 10V	IC604	8-759-281-42	IC TC9210P	
C943	1-162-294-31	CERAMIC	0.001uF 10% 50V	IC701	8-759-499-02	IC uPD780018YGF-027-3BA	
C944	1-126-947-11	ELECT	47uF 20% 35V	IC861	8-759-634-51	IC M5218AP	
C951	1-126-967-11	ELECT	47uF 20% 10V	IC901	8-759-288-53	IC LA5617	
C952	1-136-165-00	FILM	0.1uF 5% 50V	IC902	8-759-231-53	IC TA7805S	
C953	1-136-173-00	FILM	0.47uF 5% 50V	IC903	8-759-604-86	IC M5F7807L	
C961	1-162-306-11	CERAMIC	0.01uF 20% 16V	IC904	8-759-604-39	IC M5F78M12	
C991	1-162-306-11	CERAMIC	0.01uF 20% 16V	IC905	8-759-604-38	IC M5F78M10L	
		< CONNECTOR >		IC951	8-759-635-63	IC M51943BSL	
CN401	1-568-838-11	SOCKET, CONNECTOR 21P				< JACK >	
* CN402	1-568-830-11	SOCKET, CONNECTOR 11P		J101	1-695-188-31	JACK, PIN 4P (VIDEO(AUDIO) IN, PHONO IN)	
* CN403	1-568-449-11	HOUSING, CONNECTOR (PC BOARD) 3P				< COIL >	
* CN701	1-568-836-11	SOCKET, CONNECTOR 17P					
CN801	1-568-802-11	SOCKET, CONNECTOR 19P		L601	1-410-509-11	INDUCTOR 10uH	
* CN830	1-568-936-11	PIN, CONNECTOR 9P		L602	1-410-509-11	INDUCTOR 10uH	
* CN851	1-568-832-11	SOCKET, CONNECTOR 13P		L604	1-410-509-11	INDUCTOR 10uH	
CN871	1-566-999-11	PIN, CONNECTOR 13P		L769	1-410-521-11	INDUCTOR 100uH	
* CN901	1-770-734-11	CONNECTOR, BOARD TO BOARD 20P		L770	1-410-521-11	INDUCTOR 100uH	
* CN961	1-564-518-11	PLUG, CONNECTOR 3P					
		< DIODE >		L772	1-410-521-11	INDUCTOR 100uH	
D702	8-719-987-63	DIODE 1N4148M		L861	1-410-521-11	INDUCTOR 100uH	
D772	8-719-987-63	DIODE 1N4148M				< TRANSISTOR >	
D801	8-719-987-63	DIODE 1N4148M		Q120	8-729-422-57	TRANSISTOR UN4111	
D802	8-719-987-63	DIODE 1N4148M		Q121	8-729-141-26	TRANSISTOR 2SC3622A-LK	
D901	8-719-025-23	DIODE RBA-402-SL		Q122	8-729-141-26	TRANSISTOR 2SC3622A-LK	
D902	8-719-200-82	DIODE 11ES2		Q123	8-729-422-57	TRANSISTOR UN4111	
D903	8-719-200-82	DIODE 11ES2		Q124	8-729-900-36	TRANSISTOR DTC124ES	
D904	8-719-987-63	DIODE 1N4148M		Q201	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D905	8-719-200-82	DIODE 11ES2		Q202	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D906	8-719-200-82	DIODE 11ES2		Q251	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D907	8-719-987-63	DIODE 1N4148M		Q252	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D908	8-719-200-82	DIODE 11ES2		Q253	8-729-141-26	TRANSISTOR 2SC3622A-LK	
D941	8-719-002-60	DIODE UZL-33L		Q254	8-729-141-26	TRANSISTOR 2SC3622A-LK	
D942	8-719-010-43	DIODE UZ-5.6BSC		Q403	8-729-801-93	TRANSISTOR 2SD1387	
D951	8-719-987-63	DIODE 1N4148M		Q406	8-729-900-80	TRANSISTOR DTC114ES	
D952	8-719-987-63	DIODE 1N4148M		Q407	8-729-900-80	TRANSISTOR DTC114ES	
				Q408	8-729-119-76	TRANSISTOR 2SA1175-HFE	

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
Q409	8-729-900-80	TRANSISTOR	DTC114ES				R212	1-249-441-11	CARBON	100K	5%	1/4W	
Q601	8-729-141-26	TRANSISTOR	2SC3622A-LK				R213	1-249-429-11	CARBON	10K	5%	1/4W	
Q602	8-729-141-26	TRANSISTOR	2SC3622A-LK				R214	1-249-437-11	CARBON	47K	5%	1/4W	
Q901	8-729-119-78	TRANSISTOR	2SC2785-HFE				R215	1-249-441-11	CARBON	100K	5%	1/4W	
Q904	8-729-040-20	TRANSISTOR	RT1P137L-TP				R216	1-247-878-00	CARBON	91K	5%	1/4W	
Q905	8-729-900-36	TRANSISTOR	DTC124ES				R217	1-249-431-11	CARBON	15K	5%	1/4W	
Q906	8-729-040-20	TRANSISTOR	RT1P137L-TP				R222	1-247-903-00	CARBON	1M	5%	1/4W	
Q907	8-729-900-63	TRANSISTOR	DTA124ES				R223	1-247-903-00	CARBON	1M	5%	1/4W	
Q912	8-729-900-36	TRANSISTOR	DTC124ES				R230	1-247-863-91	CARBON	22K	5%	1/4W	
Q941	8-729-118-01	TRANSISTOR	2SB1116-K				R231	1-247-863-91	CARBON	22K	5%	1/4W	
Q951	8-729-119-78	TRANSISTOR	2SC2785-HFE				R232	1-247-856-00	CARBON	11K	5%	1/4W	
Q961	8-729-111-29	TRANSISTOR	2SD1616A-K				R240	1-249-429-11	CARBON	10K	5%	1/4W	
Q962	8-729-119-76	TRANSISTOR	2SA1175-HFE				R241	1-249-429-11	CARBON	10K	5%	1/4W	
		< RESISTOR >					R242	1-249-429-11	CARBON	10K	5%	1/4W	
							R243	1-249-417-11	CARBON	1K	5%	1/4W	F
R101	1-249-417-11	CARBON	1K	5%	1/4W	F	R244	1-249-417-11	CARBON	1K	5%	1/4W	F
R102	1-249-417-11	CARBON	1K	5%	1/4W	F	R245	1-249-417-11	CARBON	1K	5%	1/4W	F
R103	1-249-437-11	CARBON	47K	5%	1/4W		R252	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R104	1-249-417-11	CARBON	1K	5%	1/4W	F	R253	1-249-437-11	CARBON	47K	5%	1/4W	
R105	1-247-897-11	CARBON	560K	5%	1/4W		R254	1-249-437-11	CARBON	47K	5%	1/4W	
R106	1-249-437-11	CARBON	47K	5%	1/4W		R255	1-249-441-11	CARBON	100K	5%	1/4W	
R107	1-249-417-11	CARBON	1K	5%	1/4W	F	R256	1-247-878-00	CARBON	91K	5%	1/4W	
R108	1-249-441-11	CARBON	100K	5%	1/4W		R257	1-249-437-11	CARBON	47K	5%	1/4W	
R109	1-247-815-91	CARBON	220	5%	1/4W		R258	1-249-429-11	CARBON	10K	5%	1/4W	
R121	1-249-424-11	CARBON	3.9K	5%	1/4W	F	R259	1-249-413-11	CARBON	470	5%	1/4W	
R122	1-247-887-00	CARBON	220K	5%	1/4W		R260	1-249-429-11	CARBON	10K	5%	1/4W	
R125	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R261	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R126	1-249-441-11	CARBON	100K	5%	1/4W		R262	1-249-441-11	CARBON	100K	5%	1/4W	
R127	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R263	1-249-429-11	CARBON	10K	5%	1/4W	
R128	1-249-426-11	CARBON	5.6K	5%	1/4W		R264	1-249-437-11	CARBON	47K	5%	1/4W	
R129	1-249-429-11	CARBON	10K	5%	1/4W		R265	1-249-441-11	CARBON	100K	5%	1/4W	
R130	1-249-441-11	CARBON	100K	5%	1/4W		R266	1-247-878-00	CARBON	91K	5%	1/4W	
R151	1-249-417-11	CARBON	1K	5%	1/4W	F	R267	1-249-431-11	CARBON	15K	5%	1/4W	
R152	1-249-417-11	CARBON	1K	5%	1/4W	F	R273	1-247-903-00	CARBON	1M	5%	1/4W	
R153	1-249-437-11	CARBON	47K	5%	1/4W		R301	1-249-435-11	CARBON	33K	5%	1/4W	
R154	1-249-417-11	CARBON	1K	5%	1/4W	F	R304	1-249-426-11	CARBON	5.6K	5%	1/4W	
R155	1-247-897-11	CARBON	560K	5%	1/4W		R305	1-249-417-11	CARBON	1K	5%	1/4W	F
R156	1-249-437-11	CARBON	47K	5%	1/4W		R306	1-247-840-00	CARBON	2.4K	5%	1/4W	
R157	1-249-417-11	CARBON	1K	5%	1/4W	F	R307	1-247-863-91	CARBON	22K	5%	1/4W	
R158	1-249-441-11	CARBON	100K	5%	1/4W		R308	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R159	1-247-815-91	CARBON	220	5%	1/4W		R309	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R171	1-249-424-11	CARBON	3.9K	5%	1/4W	F	R351	1-247-863-91	CARBON	22K	5%	1/4W	
R172	1-247-887-00	CARBON	220K	5%	1/4W		R354	1-249-426-11	CARBON	5.6K	5%	1/4W	
R178	1-249-426-11	CARBON	5.6K	5%	1/4W		R355	1-249-417-11	CARBON	1K	5%	1/4W	F
R179	1-249-429-11	CARBON	10K	5%	1/4W		R356	1-247-840-00	CARBON	2.4K	5%	1/4W	
R202	1-249-425-11	CARBON	4.7K	5%	1/4W	F	R357	1-247-863-91	CARBON	22K	5%	1/4W	
R203	1-249-437-11	CARBON	47K	5%	1/4W		R358	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R204	1-249-437-11	CARBON	47K	5%	1/4W		R359	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R205	1-249-441-11	CARBON	100K	5%	1/4W		R401	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R206	1-247-878-00	CARBON	91K	5%	1/4W		R402	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R207	1-249-437-11	CARBON	47K	5%	1/4W		R403	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R208	1-249-429-11	CARBON	10K	5%	1/4W		R404	1-249-417-11	CARBON	1K	5%	1/4W	F
R209	1-249-413-11	CARBON	470	5%	1/4W		R405	1-249-437-11	CARBON	47K	5%	1/4W	
R210	1-249-429-11	CARBON	10K	5%	1/4W		R406	1-249-437-11	CARBON	47K	5%	1/4W	
R211	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R407	1-249-437-11	CARBON	47K	5%	1/4W	
							R408	1-249-437-11	CARBON	47K	5%	1/4W	
							R410	1-249-430-11	CARBON	12K	5%	1/4W	

MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R411	1-249-426-11	CARBON	5.6K	5%	1/4W	R755	1-247-807-31	CARBON	100	5%	1/4W
R414	1-249-429-11	CARBON	10K	5%	1/4W	R756	1-247-807-31	CARBON	100	5%	1/4W
R415	1-249-432-11	CARBON	18K	5%	1/4W	R757	1-247-807-31	CARBON	100	5%	1/4W
R416	1-249-429-11	CARBON	10K	5%	1/4W	R758	1-247-807-31	CARBON	100	5%	1/4W
R417	1-249-441-11	CARBON	100K	5%	1/4W	R759	1-247-807-31	CARBON	100	5%	1/4W
R419	1-249-429-11	CARBON	10K	5%	1/4W	R760	1-247-807-31	CARBON	100	5%	1/4W
R454	1-249-425-11	CARBON	4.7K	5%	1/4W F	R761	1-247-807-31	CARBON	100	5%	1/4W
R455	1-249-425-11	CARBON	4.7K	5%	1/4W F	R762	1-247-807-31	CARBON	100	5%	1/4W
R456	1-249-411-11	CARBON	330	5%	1/4W	R765	1-247-807-31	CARBON	100	5%	1/4W
R457	1-249-427-11	CARBON	6.8K	5%	1/4W F	R766	1-247-807-31	CARBON	100	5%	1/4W
R458	1-249-429-11	CARBON	10K	5%	1/4W	R767	1-247-807-31	CARBON	100	5%	1/4W
R461	1-247-843-11	CARBON	3.3K	5%	1/4W	R768	1-247-807-31	CARBON	100	5%	1/4W
R601	1-247-887-00	CARBON	220K	5%	1/4W	R773	1-247-807-31	CARBON	100	5%	1/4W
R602	1-247-887-00	CARBON	220K	5%	1/4W	R774	1-247-807-31	CARBON	100	5%	1/4W
R603	1-249-417-11	CARBON	1K	5%	1/4W F	R776	1-247-807-31	CARBON	100	5%	1/4W
R604	1-249-432-11	CARBON	18K	5%	1/4W	R777	1-247-807-31	CARBON	100	5%	1/4W
R605	1-249-417-11	CARBON	1K	5%	1/4W F	R794	1-247-807-31	CARBON	100	5%	1/4W
R615	1-249-441-11	CARBON	100K	5%	1/4W	R795	1-247-807-31	CARBON	100	5%	1/4W
R621	1-249-436-11	CARBON	39K	5%	1/4W	R796	1-247-807-31	CARBON	100	5%	1/4W
R622	1-249-436-11	CARBON	39K	5%	1/4W	R797	1-247-807-31	CARBON	100	5%	1/4W
R623	1-249-417-11	CARBON	1K	5%	1/4W F	R798	1-249-425-31	CARBON	4.7K	5%	1/4W F
R624	1-247-903-00	CARBON	1M	5%	1/4W	R801	1-247-807-11	CARBON	100	5%	1/4W F
R625	1-249-411-11	CARBON	330	5%	1/4W	R802	1-249-435-11	CARBON	33K	5%	1/4W
R626	1-249-417-11	CARBON	1K	5%	1/4W F	R811	1-247-807-31	CARBON	100	5%	1/4W F
R627	1-249-417-11	CARBON	1K	5%	1/4W F	R812	1-249-435-11	CARBON	33K	5%	1/4W
R628	1-249-417-11	CARBON	1K	5%	1/4W F	R856	1-249-417-11	CARBON	1K	5%	1/4W F
R630	1-249-425-11	CARBON	4.7K	5%	1/4W F	R858	1-249-417-11	CARBON	1K	5%	1/4W F
R631	1-249-431-11	CARBON	15K	5%	1/4W F	R861	1-247-886-11	CARBON	200K	5%	1/4W
R632	1-249-441-11	CARBON	100K	5%	1/4W	R862	1-249-441-11	CARBON	100K	5%	1/4W
R633	1-249-425-11	CARBON	4.7K	5%	1/4W F	R869	1-249-429-11	CARBON	10K	5%	1/4W
R635	1-249-441-11	CARBON	100K	5%	1/4W	R870	1-247-843-11	CARBON	3.3K	5%	1/4W
R636	1-249-437-11	CARBON	47K	5%	1/4W	R877	1-249-437-11	CARBON	47K	5%	1/4W
R637	1-249-441-11	CARBON	100K	5%	1/4W	R901	1-247-895-91	CARBON	470K	5%	1/4W
R638	1-249-441-11	CARBON	100K	5%	1/4W	R902	1-249-417-11	CARBON	1K	5%	1/4W F
R639	1-249-417-11	CARBON	1K	5%	1/4W F	R906	1-249-417-11	CARBON	1K	5%	1/4W F
R640	1-249-417-11	CARBON	1K	5%	1/4W F	R907	1-249-429-11	CARBON	10K	5%	1/4W
R641	1-249-417-11	CARBON	1K	5%	1/4W F	△R908	1-215-910-00	METAL	68	5%	3W F
R642	1-249-417-11	CARBON	1K	5%	1/4W F	△R909	1-215-910-00	METAL	68	5%	3W F
R645	1-249-429-11	CARBON	10K	5%	1/4W	△R910	1-215-910-00	METAL	68	5%	3W F
R646	1-249-429-11	CARBON	10K	5%	1/4W	△R911	1-215-910-00	METAL	68	5%	3W F
R650	1-249-441-11	CARBON	100K	5%	1/4W	R912	1-249-417-11	CARBON	1K	5%	1/4W F
R651	1-249-417-11	CARBON	1K	5%	1/4W F	△R941	1-217-637-00	FUSIBLE	1	5%	1/4W F
R700	1-249-425-31	CARBON	4.7K	5%	1/4W F	R942	1-247-863-91	CARBON	22K	5%	1/4W F
R704	1-247-807-31	CARBON	100	5%	1/4W	R943	1-249-425-11	CARBON	4.7K	5%	1/4W F
R705	1-247-807-31	CARBON	100	5%	1/4W	R944	1-247-815-91	CARBON	220	5%	1/4W
R718	1-247-807-31	CARBON	100	5%	1/4W	R945	1-247-815-91	CARBON	220	5%	1/4W
R720	1-249-425-11	CARBON	4.7K	5%	1/4W F	R948	1-249-417-11	CARBON	1K	5%	1/4W F
R726	1-247-807-31	CARBON	100	5%	1/4W	R951	1-249-417-11	CARBON	1K	5%	1/4W F
R727	1-247-807-31	CARBON	100	5%	1/4W	R952	1-249-425-11	CARBON	4.7K	5%	1/4W F
R728	1-247-807-31	CARBON	100	5%	1/4W	R953	1-247-807-31	CARBON	100	5%	1/4W
R730	1-247-863-91	CARBON	22K	5%	1/4W	R954	1-249-437-11	CARBON	47K	5%	1/4W
R731	1-249-421-11	CARBON	2.2K	5%	1/4W	R955	1-249-437-11	CARBON	47K	5%	1/4W
R734	1-247-807-31	CARBON	100	5%	1/4W	R956	1-249-429-11	CARBON	10K	5%	1/4W
R736	1-247-807-31	CARBON	100	5%	1/4W	R961	1-249-421-11	CARBON	2.2K	5%	1/4W F
R744	1-247-807-31	CARBON	100	5%	1/4W	R962	1-249-432-11	CARBON	18K	5%	1/4W
R745	1-247-807-31	CARBON	100	5%	1/4W	R963	1-249-425-11	CARBON	4.7K	5%	1/4W F
R747	1-247-807-31	CARBON	100	5%	1/4W						
R748	1-247-807-31	CARBON	100	5%	1/4W						

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
		< VARIABLE RESISTOR >	
RV301	1-238-598-11	RES, ADJ, CARBON 2.2K	
RV351	1-238-598-11	RES, ADJ, CARBON 2.2K	
		< VIBRATOR >	
X601	1-579-125-11	VIBRATOR, CERAMIC (8MHz)	
X701	1-579-233-11	VIBRATOR, CERAMIC (5MHz)	
X702	1-567-098-41	VIBRATOR, CRYSTAL (32.768kHz)	

*	A-4398-698-A	PANEL BOARD, COMPLETE	*****
*	4-986-870-01	HOLDER, FL TUBE	
		< CAPACITOR >	
C601	1-126-967-11	ELECT 47uF 20% 50V	
C602	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C603	1-126-963-11	ELECT 4.7uF 20% 50V	
C604	1-126-960-11	ELECT 1uF 20% 50V	
C606	1-126-960-11	ELECT 1uF 20% 50V	
C608	1-124-584-00	ELECT 100uF 20% 10V	
C610	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C611	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C612	1-126-967-11	ELECT 47uF 20% 50V	
C613	1-164-159-21	CERAMIC 0.1uF 50V	
C621	1-126-960-11	ELECT 1uF 20% 50V	
C622	1-136-161-00	FILM 0.047uF 5% 50V	
C623	1-126-957-11	ELECT 0.22uF 20% 50V	
C624	1-126-957-11	ELECT 0.22uF 20% 50V	
C625	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C626	1-126-957-11	ELECT 0.22uF 20% 50V	
C627	1-136-159-00	FILM 0.033uF 5% 50V	
C628	1-162-302-11	CERAMIC 0.0022uF 30% 16V	
C629	1-126-957-11	ELECT 0.22uF 20% 50V	
C630	1-162-293-31	CERAMIC 820PF 10% 50V	
C631	1-126-957-11	ELECT 0.22uF 20% 50V	
C632	1-126-957-11	ELECT 0.22uF 20% 50V	
C641	1-162-286-21	CERAMIC 220PF 10% 50V	
C642	1-162-286-21	CERAMIC 220PF 10% 50V	
C643	1-162-286-21	CERAMIC 220PF 10% 50V	
C644	1-162-286-21	CERAMIC 220PF 10% 50V	
C645	1-162-286-21	CERAMIC 220PF 10% 50V	
C646	1-162-286-21	CERAMIC 220PF 10% 50V	
C647	1-162-286-21	CERAMIC 220PF 10% 50V	
C648	1-162-286-21	CERAMIC 220PF 10% 50V	
C649	1-162-286-21	CERAMIC 220PF 10% 50V	
C650	1-162-286-21	CERAMIC 220PF 10% 50V	
C651	1-162-286-21	CERAMIC 220PF 10% 50V	
C652	1-162-286-21	CERAMIC 220PF 10% 50V	
C653	1-162-286-21	CERAMIC 220PF 10% 50V	
C654	1-162-286-21	CERAMIC 220PF 10% 50V	
C655	1-162-286-21	CERAMIC 220PF 10% 50V	
C656	1-162-286-21	CERAMIC 220PF 10% 50V	
C695	1-164-159-21	CERAMIC 0.1uF 50V	
C696	1-164-159-21	CERAMIC 0.1uF 50V	
C697	1-162-294-31	CERAMIC 0.001uF 10% 50V	

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
* CN601	1-568-836-11	SOCKET, CONNECTOR 17P	
* CN602	1-568-947-11	PIN, CONNECTOR 9P	
CN603	1-506-486-11	PIN, CONNECTOR 7P	
* CN604	1-568-947-11	PIN, CONNECTOR 9P	
		< DIODE >	
D601	8-719-987-63	DIODE 1N4148M	
D602	8-719-987-63	DIODE 1N4148M	
D603	8-719-987-63	DIODE 1N4148M	
D604	8-719-987-63	DIODE 1N4148M	
D605	8-719-987-63	DIODE 1N4148M	
D606	8-719-987-63	DIODE 1N4148M	
D607	8-719-987-63	DIODE 1N4148M	
D611	8-719-057-29	DIODE SML78423C-TP15 (TUNER/BAND)	
D612	8-719-057-29	DIODE SML78423C-TP15 (TUNER/BAND)	
D613	8-719-058-04	DIODE SEL5223S-TP15 (ENTER/NEXT)	
D614	8-719-058-04	DIODE SEL5223S-TP15 (GROOVE)	
D615	8-719-058-04	DIODE SEL5223S-TP15 (SUPER TWEETER)	
D616	8-719-058-04	DIODE SEL5223S-TP15 (EFFECT)	
D617	8-719-058-04	DIODE SEL5223S-TP15 (ENTER)	
D618	8-719-058-04	DIODE SEL5223S-TP15 (FILE 1)	
D619	8-719-058-04	DIODE SEL5223S-TP15 (FILE 2)	
D620	8-719-058-04	DIODE SEL5223S-TP15 (FILE 3)	
D621	8-719-058-04	DIODE SEL5223S-TP15 (FILE 4)	
D622	8-719-058-04	DIODE SEL5223S-TP15 (FILE 5)	
D623	8-719-058-04	DIODE SEL5223S-TP15 (P.FILE)	
D624	8-719-058-04	DIODE SEL5223S-TP15 (MENU 2)	
D625	8-719-058-04	DIODE SEL5223S-TP15 (MENU 1)	
D626	8-719-058-04	DIODE SEL5223S-TP15 (DSP)	
D627	8-719-058-04	DIODE SEL5223S-TP15 (PROLOGIC)	
D628	8-719-058-04	DIODE SEL5223S-TP15 (KEY CONTROL)	
D629	8-719-058-04	DIODE SEL5223S-TP15 (PROLOGIC)	
		< FERRITE BEAD >	
FB601	1-412-473-21	INDUCTOR 0UH	
		< FLUORESCENT INDICATOR >	
FL601	1-517-617-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC601	8-759-466-89	IC TMP87CH75-6554	
IC602	8-759-459-84	IC NJL56H400	
		< COIL >	
L601	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q601	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q602	8-729-118-00	TRANSISTOR 2SB1116-L	
Q603	8-729-118-00	TRANSISTOR 2SB1116-L	
Q604	8-729-119-77	TRANSISTOR 2SA1175-FEK	
Q605	8-729-119-77	TRANSISTOR 2SA1175-FEK	
Q606	8-729-119-77	TRANSISTOR 2SA1175-FEK	
Q607	8-729-119-77	TRANSISTOR 2SA1175-FEK	
Q608	8-729-119-77	TRANSISTOR 2SA1175-FEK	

PANEL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q609	8-729-119-77	TRANSISTOR 2SA1175-FEK		R652	1-249-419-11	CARBON 1.5K 5%	1/4W F
Q610	8-729-119-77	TRANSISTOR 2SA1175-FEK		R653	1-249-421-11	CARBON 2.2K 5%	1/4W F
Q611	8-729-119-77	TRANSISTOR 2SA1175-FEK		R654	1-247-843-11	CARBON 3.3K 5%	1/4W
Q612	8-729-119-77	TRANSISTOR 2SA1175-FEK		R655	1-249-427-11	CARBON 6.8K 5%	1/4W F
Q613	8-729-119-77	TRANSISTOR 2SA1175-FEK		R656	1-249-431-11	CARBON 15K 5%	1/4W
Q614	8-729-119-77	TRANSISTOR 2SA1175-FEK		R657	1-249-419-11	CARBON 1.5K 5%	1/4W F
Q615	8-729-119-77	TRANSISTOR 2SA1175-FEK		R658	1-249-401-11	CARBON 47 5%	1/4W F
Q616	8-729-119-77	TRANSISTOR 2SA1175-FEK		R659	1-249-403-11	CARBON 68 5%	1/4W F
Q617	8-729-119-77	TRANSISTOR 2SA1175-FEK		R660	1-247-807-31	CARBON 100 5%	1/4W
Q618	8-729-119-77	TRANSISTOR 2SA1175-FEK		R661	1-249-407-11	CARBON 150 5%	1/4W F
Q619	8-729-119-77	TRANSISTOR 2SA1175-FEK		R662	1-249-407-11	CARBON 150 5%	1/4W F
Q621	8-729-119-77	TRANSISTOR 2SA1175-FEK		R663	1-249-419-11	CARBON 1.5K 5%	1/4W F
Q622	8-729-119-77	TRANSISTOR 2SA1175-FEK		R664	1-249-401-11	CARBON 47 5%	1/4W F
		< RESISTOR >		R665	1-249-403-11	CARBON 68 5%	1/4W F
R601	1-247-843-11	CARBON 3.3K 5%	1/4W	R666	1-247-807-31	CARBON 100 5%	1/4W
R602	1-249-429-11	CARBON 10K 5%	1/4W	R667	1-249-407-11	CARBON 150 5%	1/4W F
R603	1-247-903-00	CARBON 1M 5%	1/4W	R668	1-249-407-11	CARBON 150 5%	1/4W F
R606	1-249-429-11	CARBON 10K 5%	1/4W	R669	1-249-419-11	CARBON 1.5K 5%	1/4W F
R607	1-249-429-11	CARBON 10K 5%	1/4W	R670	1-249-401-11	CARBON 47 5%	1/4W F
R608	1-249-429-11	CARBON 10K 5%	1/4W	R671	1-249-403-11	CARBON 68 5%	1/4W F
R609	1-249-429-11	CARBON 10K 5%	1/4W	R672	1-247-807-31	CARBON 100 5%	1/4W
R610	1-249-429-11	CARBON 10K 5%	1/4W	R673	1-249-407-11	CARBON 150 5%	1/4W F
R611	1-247-843-11	CARBON 3.3K 5%	1/4W	R674	1-249-407-11	CARBON 150 5%	1/4W F
R612	1-247-843-11	CARBON 3.3K 5%	1/4W	R675	1-247-815-91	CARBON 220 5%	1/4W
R613	1-249-401-11	CARBON 47 5%	1/4W F	R676	1-249-411-11	CARBON 330 5%	1/4W
R614	1-249-429-11	CARBON 10K 5%	1/4W	R677	1-249-413-11	CARBON 470 5%	1/4W F
R615	1-249-429-11	CARBON 10K 5%	1/4W	R678	1-249-415-11	CARBON 680 5%	1/4W F
R617	1-249-429-11	CARBON 10K 5%	1/4W	R679	1-249-419-11	CARBON 1.5K 5%	1/4W F
R621	1-249-421-11	CARBON 2.2K 5%	1/4W F	R681	1-249-429-11	CARBON 10K 5%	1/4W
R622	1-249-437-11	CARBON 47K 5%	1/4W	R682	1-249-421-11	CARBON 2.2K 5%	1/4W F
R623	1-247-895-91	CARBON 470K 5%	1/4W	R683	1-247-887-00	CARBON 220K 5%	1/4W
R624	1-249-421-11	CARBON 2.2K 5%	1/4W F	R684	1-249-421-11	CARBON 2.2K 5%	1/4W F
R625	1-249-437-11	CARBON 47K 5%	1/4W	R685	1-247-815-91	CARBON 220 5%	1/4W
R626	1-247-895-91	CARBON 470K 5%	1/4W	R686	1-247-807-31	CARBON 100 5%	1/4W
R627	1-249-421-11	CARBON 2.2K 5%	1/4W F	R687	1-247-807-31	CARBON 100 5%	1/4W
R628	1-249-437-11	CARBON 47K 5%	1/4W	R688	1-247-807-31	CARBON 100 5%	1/4W
R629	1-247-895-91	CARBON 470K 5%	1/4W	R689	1-247-807-31	CARBON 100 5%	1/4W
R631	1-249-437-11	CARBON 47K 5%	1/4W	R690	1-247-807-31	CARBON 100 5%	1/4W
R632	1-247-895-91	CARBON 470K 5%	1/4W	R691	1-247-807-31	CARBON 100 5%	1/4W
R633	1-247-897-11	CARBON 560K 5%	1/4W	R692	1-247-807-31	CARBON 100 5%	1/4W
R634	1-247-897-11	CARBON 560K 5%	1/4W	R693	1-247-807-31	CARBON 100 5%	1/4W
R635	1-247-897-11	CARBON 560K 5%	1/4W	R694	1-247-807-31	CARBON 100 5%	1/4W
R636	1-247-897-11	CARBON 560K 5%	1/4W	R695	1-247-807-31	CARBON 100 5%	1/4W
R637	1-247-895-91	CARBON 470K 5%	1/4W	R696	1-247-807-31	CARBON 100 5%	1/4W
R638	1-249-435-11	CARBON 33K 5%	1/4W	R697	1-247-807-31	CARBON 100 5%	1/4W
R641	1-249-419-11	CARBON 1.5K 5%	1/4W F	R698	1-247-807-31	CARBON 100 5%	1/4W
R642	1-249-401-11	CARBON 47 5%	1/4W F	R699	1-247-807-31	CARBON 100 5%	1/4W
R643	1-249-403-11	CARBON 68 5%	1/4W F	R700	1-247-807-31	CARBON 100 5%	1/4W
R644	1-247-807-31	CARBON 100 5%	1/4W	R701	1-247-807-31	CARBON 100 5%	1/4W
R645	1-249-407-11	CARBON 150 5%	1/4W F	R702	1-247-807-31	CARBON 100 5%	1/4W
R646	1-249-407-11	CARBON 150 5%	1/4W F	R703	1-247-807-31	CARBON 100 5%	1/4W
R647	1-247-815-91	CARBON 220 5%	1/4W	R704	1-247-807-31	CARBON 100 5%	1/4W
R648	1-249-411-11	CARBON 330 5%	1/4W			< SWITCH >	
R649	1-249-413-11	CARBON 470 5%	1/4W F	S601	1-554-303-21	SWITCH, TACTILE (ENTER/NEXT)	
R650	1-249-415-11	CARBON 680 5%	1/4W F	S602	1-554-303-21	SWITCH, TACTILE (TUNER MEMORY)	
R651	1-249-417-11	CARBON 1K 5%	1/4W F	S603	1-554-303-21	SWITCH, TACTILE (TUNING MODE)	
				S604	1-554-303-21	SWITCH, TACTILE (TUNER/BAND)	

PANEL

POWER

Ref. No.	Part No.	Description	Remark
S605	1-554-303-21	SWITCH, TACTILE (TUNING +)	
S606	1-554-303-21	SWITCH, TACTILE (TUNING -)	
S607	1-554-303-21	SWITCH, TACTILE (STEREO/MONO)	
S609	1-554-303-21	SWITCH, TACTILE (FUNCTION)	
S610	1-554-303-21	SWITCH, TACTILE (GROOVE)	
S611	1-554-303-21	SWITCH, TACTILE (GEQ ▲)	
S612	1-554-303-21	SWITCH, TACTILE (GEQ ◀)	
S613	1-554-303-21	SWITCH, TACTILE (GEQ ▶)	
S614	1-554-303-21	SWITCH, TACTILE (GEQ ▼)	
S615	1-554-303-21	SWITCH, TACTILE (SUPER TWEETER)	
S616	1-554-303-21	SWITCH, TACTILE (DBFB)	
S617	1-554-303-21	SWITCH, TACTILE (KEY CONTROL #)	
S618	1-554-303-21	SWITCH, TACTILE (KEY CONTROL b)	
S619	1-554-303-21	SWITCH, TACTILE (GEQ CONTROL)	
S620	1-554-303-21	SWITCH, TACTILE (ENTER)	
S621	1-554-303-21	SWITCH, TACTILE (EFFECT)	
S622	1-554-303-21	SWITCH, TACTILE (WAVE)	
S623	1-554-303-21	SWITCH, TACTILE (KARAOKE PON/MPX)	
S624	1-554-303-21	SWITCH, TACTILE (DSP)	
S625	1-554-303-21	SWITCH, TACTILE (PROLOGIC)	
S626	1-554-303-21	SWITCH, TACTILE (P FILE, MEMORY)	
S627	1-554-303-21	SWITCH, TACTILE (SPECTRUM ANALYZER)	
S628	1-554-303-21	SWITCH, TACTILE (DISPLAY/DEMO)	
S629	1-554-303-21	SWITCH, TACTILE (POWER)	
S630	1-554-303-21	SWITCH, TACTILE (⊙)/TIMER SET)	
S631	1-554-303-21	SWITCH, TACTILE (REC)	
S632	1-554-303-21	SWITCH, TACTILE (DAILY 1)	
S633	1-554-303-21	SWITCH, TACTILE (DAILY 2)	
S634	1-554-303-21	SWITCH, TACTILE (SLEEP)	
S701	1-467-869-11	ENCODER, ROTARY (VOLUME)	
< VIBRATOR >			
X601	1-579-125-11	VIBRATOR, CERAMIC (8MHZ)	

*	A-4398-703-A	POWER BOARD, COMPLETE	

< CAPACITOR >			
C101	1-130-781-00	FILM	0.22uF 10% 100V
C102	1-130-781-00	FILM	0.22uF 10% 100V
C103	1-136-169-00	FILM	0.22uF 5% 50V
C104	1-136-169-00	FILM	0.22uF 5% 50V
C105	1-162-294-31	CERAMIC	0.001uF 10% 50V
C106	1-162-294-31	CERAMIC	0.001uF 10% 50V
C107	1-128-576-11	ELECT	100uF 20% 63V
C108	1-128-563-11	ELECT	100uF 20% 100V
C110	1-104-665-11	ELECT	100uF 20% 50V
C151	1-128-493-11	ELECT	4700uF 20% 71V
C152	1-128-493-11	ELECT	4700uF 20% 71V
C153	1-128-550-11	ELECT	2200uF 20% 50V
C154	1-128-550-11	ELECT	2200uF 20% 50V
C201	1-128-582-11	ELECT	10uF 20% 100V
C202	1-162-292-31	CERAMIC	680PF 10% 50V
C203	1-162-286-21	CERAMIC	220PF 10% 50V
C204	1-126-967-11	ELECT	47uF 20% 50V
C205	1-126-967-11	ELECT	47uF 20% 50V

Ref. No.	Part No.	Description	Remark
C206	1-128-560-11	ELECT	22uF 20% 100V
C208	1-126-965-11	ELECT	22uF 20% 50V
C210	1-130-493-00	MYLAR	0.068uF 5% 50V
C211	1-130-493-00	MYLAR	0.068uF 5% 50V
C225	1-162-284-31	CERAMIC	150PF 10% 50V
C226	1-162-284-31	CERAMIC	150PF 10% 50V
C228	1-164-159-21	CERAMIC	0.1uF 50V
C232	1-162-284-31	CERAMIC	150PF 10% 50V
C251	1-128-582-11	ELECT	10uF 20% 100V
C252	1-162-292-31	CERAMIC	680PF 10% 50V
C253	1-162-286-21	CERAMIC	220PF 10% 50V
C254	1-126-967-11	ELECT	47uF 20% 50V
C255	1-126-967-11	ELECT	47uF 20% 50V
C256	1-128-560-11	ELECT	22uF 20% 100V
C260	1-130-493-00	MYLAR	0.068uF 5% 50V
C261	1-130-493-00	MYLAR	0.068uF 5% 50V
C301	1-126-959-11	ELECT	0.47uF 20% 50V
C302	1-126-923-11	ELECT	220uF 20% 10V
C303	1-126-933-11	ELECT	100uF 20% 10V
C304	1-126-961-11	ELECT	2.2uF 20% 50V
C305	1-126-933-11	ELECT	100uF 20% 10V
C331	1-126-924-11	ELECT	330uF 20% 10V
C401	1-126-963-11	ELECT	4.7uF 20% 50V
C410	1-161-494-00	CERAMIC	0.022uF 25V
C411	1-161-494-00	CERAMIC	0.022uF 25V
C412	1-161-494-00	CERAMIC	0.022uF 25V
C413	1-161-494-00	CERAMIC	0.022uF 25V
< CONNECTOR >			
* CN201	1-766-957-11	CONNECTOR, BOARD TO BOARD 20P	
< DIODE >			
D101	8-719-510-68	DIODE D5SBA20F01	
D102	8-719-025-03	DIODE RBA-402-SL	
D104	8-719-200-82	DIODE 11ES2	
D105	8-719-200-82	DIODE 11ES2	
D110	8-719-200-82	DIODE 11ES2	
D111	8-719-200-82	DIODE 11ES2	
D201	8-719-815-85	DIODE 1S1585	
D251	8-719-815-85	DIODE 1S1585	
D301	8-719-987-63	DIODE 1N4148M	
D302	8-719-987-63	DIODE 1N4148M	
D303	8-719-987-63	DIODE 1N4148M	
D321	8-719-815-85	DIODE 1S1585	
D331	8-719-987-63	DIODE 1N4148M	
D332	8-719-987-63	DIODE 1N4148M	
D401	8-719-987-63	DIODE 1N4148M	
D402	8-719-987-63	DIODE 1N4148M	
D403	8-719-815-85	DIODE 1S1585	
D404	8-719-815-85	DIODE 1S1585	
D405	8-719-815-85	DIODE 1S1585	
D406	8-719-815-85	DIODE 1S1585	
< EARTH TERMINAL >			
* EP101	1-537-738-21	TERMINAL, EARTH	
* EP201	1-537-738-21	TERMINAL, EARTH	

POWER

SPEAKER TERMINAL

Ref. No.	Part No.	Description	Remark
		< FUSE >	
△ F101	1-532-465-31	FUSE, TIME-LAG (3.15A/250V)	
△ F102	1-532-465-31	FUSE, TIME-LAG (3.15A/250V)	
△ F103	1-532-506-31	FUSE, TIME-LAG (6.3A/250V)	
△ F104	1-532-506-31	FUSE, TIME-LAG (6.3A/250V)	
		< FUSE HOLDER >	
FH101	1-533-217-31	HOLDER, FUSE	
FH102	1-533-217-31	HOLDER, FUSE	
FH103	1-533-217-31	HOLDER, FUSE	
FH104	1-533-217-31	HOLDER, FUSE	
FH105	1-533-217-31	HOLDER, FUSE	
FH106	1-533-217-31	HOLDER, FUSE	
FH107	1-533-217-31	HOLDER, FUSE	
FH108	1-533-217-31	HOLDER, FUSE	
		< IC >	
IC201	8-749-922-65	IC STK-4221MK2	
IC301	8-759-111-68	IC uPC1237HA	
		< TRANSISTOR >	
Q201	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q251	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q301	8-729-900-89	TRANSISTOR DTC144ES	
Q323	8-729-900-63	TRANSISTOR DTA124ES	
Q331	8-729-900-89	TRANSISTOR DTC144ES	
Q401	8-729-900-80	TRANSISTOR DTC114ES	
Q402	8-729-904-39	TRANSISTOR DTC114TS	
Q403	8-729-040-20	TRANSISTOR RT1P137L-TP	
Q404	8-729-040-20	TRANSISTOR RT1P137L-TP	
Q405	8-729-900-80	TRANSISTOR DTC114ES	
		< RESISTOR >	
△ R101	1-219-122-91	FUSIBLE 0.33	5% 1/4W F
R201	1-249-417-11	CARBON 1K	5% 1/4W F
R202	1-249-437-11	CARBON 47K	5% 1/4W
R203	1-249-413-11	CARBON 470	5% 1/4W F
R204	1-249-437-11	CARBON 47K	5% 1/4W
R206	1-260-107-11	CARBON 4.7K	5% 1/2W
R208	1-260-107-11	CARBON 4.7K	5% 1/2W
△ R209	1-212-881-11	FUSIBLE 100	5% 1/4W F
△ R210	1-217-156-00	METAL PLATE 0.22	10% 5W
R211	1-249-417-11	CARBON 1K	5% 1/4W F
R212	1-249-431-11	CARBON 15K	5% 1/4W F
R213	1-249-441-11	CARBON 100K	5% 1/4W
R215	1-260-103-11	CARBON 2.2K	5% 1/2W
R216	1-260-103-11	CARBON 2.2K	5% 1/2W
R218	1-260-076-11	CARBON 10	5% 1/2W
R227	1-249-425-11	CARBON 4.7K	5% 1/4W F
△ R250	1-217-637-00	FUSIBLE 1	5% 1/4W F
R251	1-249-417-11	CARBON 1K	5% 1/4W F
R252	1-249-437-11	CARBON 47K	5% 1/4W
R253	1-249-413-11	CARBON 470	5% 1/4W F
R254	1-249-437-11	CARBON 47K	5% 1/4W
R256	1-260-107-11	CARBON 4.7K	5% 1/2W
R258	1-260-107-11	CARBON 4.7K	5% 1/2W
△ R259	1-212-881-11	FUSIBLE 100	5% 1/4W F
△ R260	1-217-156-00	METAL PLATE 0.22	10% 5W

Ref. No.	Part No.	Description	Remark
R261	1-249-417-11	CARBON 1K	5% 1/4W F
R262	1-249-431-11	CARBON 15K	5% 1/4W F
R263	1-249-441-11	CARBON 100K	5% 1/4W
R268	1-260-076-11	CARBON 10	5% 1/2W
R272	1-260-093-11	CARBON 330	5% 1/2W
R273	1-260-093-11	CARBON 330	5% 1/2W
R274	1-260-093-11	CARBON 330	5% 1/2W
R275	1-260-093-11	CARBON 330	5% 1/2W
R301	1-249-441-11	CARBON 100K	5% 1/4W
R302	1-247-854-11	CARBON 9.1K	5% 1/4W
R303	1-247-854-11	CARBON 9.1K	5% 1/4W
R304	1-249-429-11	CARBON 10K	5% 1/4W
R305	1-249-419-11	CARBON 1.5K	5% 1/4W F
R306	1-249-441-11	CARBON 100K	5% 1/4W
R307	1-247-863-91	CARBON 22K	5% 1/4W
R308	1-247-863-91	CARBON 22K	5% 1/4W
R309	1-247-791-91	CARBON 22	5% 1/4W
R310	1-249-437-11	CARBON 47K	5% 1/4W
R311	1-249-429-11	CARBON 10K	5% 1/4W
R312	1-249-429-11	CARBON 10K	5% 1/4W
R314	1-249-439-11	CARBON 68K	5% 1/4W
R315	1-249-439-11	CARBON 68K	5% 1/4W
R316	1-249-437-11	CARBON 47K	5% 1/4W
R317	1-249-437-11	CARBON 47K	5% 1/4W
R331	1-247-890-11	CARBON 300K	5% 1/4W
R332	1-249-429-11	CARBON 10K	5% 1/4W
R333	1-249-431-11	CARBON 15K	5% 1/4W
R334	1-249-417-11	CARBON 1K	5% 1/4W F
R401	1-249-429-11	CARBON 10K	5% 1/4W
△ R405	1-215-886-11	METAL OXIDE 100	5% 2W F
△ R407	1-215-886-11	METAL OXIDE 100	5% 2W F
R408	1-249-437-11	CARBON 47K	5% 1/4W
R409	1-249-440-11	CARBON 82K	5% 1/4W
R410	1-249-437-11	CARBON 47K	5% 1/4W
R411	1-249-437-11	CARBON 47K	5% 1/4W
		< RELAY >	
RY401	1-755-142-11	RELAY	
RY402	1-755-141-11	RELAY	
		< TERMINAL >	
TM401	1-537-842-11	TERMINAL BOARD (FRONT SPEAKER)	
TM402	1-537-510-11	TERMINAL BOARD (SPEAKER)(6P) (SURROUND SPEAKER)	

*	1-668-984-11	SPEAKER TERMINAL BOARD *****	
		< TERMINAL >	
TM3201	1-537-849-11	TERMINAL BOARD (ANTENNA) (2P) (WOOFER SYSTEM)	

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4407-458-A	SUB AMP BOARD, COMPLETE *****				< CONNECTOR >	
		< CAPACITOR >					
C601	1-126-963-11	ELECT	4.7uF 20% 50V	CN601	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
C602	1-162-292-31	CERAMIC	680PF 10% 50V	CN602	1-691-770-11	PLUG (MICRO CONNECTOR) 8P	
C603	1-162-286-21	CERAMIC	220PF 10% 50V	CN603	1-691-766-11	PLUG (MICRO CONNECTOR) 4P	
C604	1-126-967-11	ELECT	47uF 20% 50V	CN3101	1-564-510-11	PLUG, CONNECTOR 7P	
C605	1-126-967-11	ELECT	47uF 20% 50V	* CN3102	1-564-507-11	PLUG, CONNECTOR 4P	
C606	1-126-968-11	ELECT	100uF 20% 50V	CN3103	1-564-505-11	PLUG, CONNECTOR 2P	
C608	1-126-965-11	ELECT	22uF 20% 50V	* CN3105	1-564-509-11	PLUG, CONNECTOR 6P	
C610	1-130-493-00	MYLAR	0.068uF 5% 50V	CN3107	1-564-506-11	PLUG, CONNECTOR 3P	
C611	1-130-493-00	MYLAR	0.068uF 5% 50V			< DIODE >	
C620	1-126-923-11	ELECT	220uF 20% 10V	D601	8-719-991-33	DIODE 1SS133T-77	
C625	1-162-284-31	CERAMIC	150PF 10% 50V	D602	8-719-991-33	DIODE 1SS133T-77	
C628	1-164-159-21	CERAMIC	0.1uF 50V	D603	8-719-991-33	DIODE 1SS133T-77	
C651	1-126-963-11	ELECT	4.7uF 20% 50V	D604	8-719-991-33	DIODE 1SS133T-77	
C652	1-162-292-31	CERAMIC	680PF 10% 50V	D651	8-719-991-33	DIODE 1SS133T-77	
C653	1-162-286-21	CERAMIC	220PF 10% 50V	D3001	8-719-991-33	DIODE 1SS133T-77	
C654	1-126-967-11	ELECT	47uF 20% 50V	D3002	8-719-991-33	DIODE 1SS133T-77	
C655	1-126-967-11	ELECT	47uF 20% 50V	D3014	8-719-991-33	DIODE 1SS133T-77	
C656	1-126-968-11	ELECT	100uF 20% 50V	D3101	8-719-991-33	DIODE 1SS133T-77	
C660	1-130-493-00	MYLAR	0.068uF 5% 50V	D3102	8-719-991-33	DIODE 1SS133T-77	
C661	1-130-493-00	MYLAR	0.068uF 5% 50V	D3103	8-719-991-33	DIODE 1SS133T-77	
C3001	1-162-286-21	CERAMIC	220PF 10% 50V			< GROUND PLATE >	
C3002	1-104-664-11	ELECT	47uF 20% 10V	* EP602	1-537-738-21	TERMINAL, EARTH	
C3003	1-124-929-11	ELECT	22uF 20% 100V			< IC >	
C3004	1-124-910-11	ELECT	47uF 20% 50V	IC601	8-749-900-96	IC STK-4142MK2	
C3005	1-124-903-11	ELECT	1uF 20% 50V	IC3001	8-749-010-33	IC STK4042MK2	
C3006	1-124-929-11	ELECT	22uF 20% 100V	IC3002	8-759-111-68	IC uPC1237HA	
C3007	1-162-282-31	CERAMIC	100PF 10% 50V	IC3003	8-759-634-51	IC M5218AP	
C3008	1-162-282-31	CERAMIC	100PF 10% 50V	IC3101	8-759-634-51	IC M5218AP	
C3010	1-136-159-00	FILM	0.033uF 5% 50V	IC3102	8-759-634-51	IC M5218AP	
C3011	1-104-666-11	ELECT	220uF 20% 6.3V	IC3103	8-759-634-51	IC M5218AP	
C3012	1-104-666-11	ELECT	220uF 20% 6.3V			< TRANSISTOR >	
C3013	1-124-443-00	ELECT	100uF 20% 10V	Q601	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
C3014	1-162-282-31	CERAMIC	100PF 10% 50V	Q651	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
C3015	1-124-910-11	ELECT	47uF 20% 50V	Q670	8-729-119-78	TRANSISTOR 2SC2785HFE	
C3016	1-162-282-31	CERAMIC	100PF 10% 50V	Q671	8-729-900-36	TRANSISTOR DTC124ES	
C3051	1-126-963-11	ELECT	4.7uF 20% 50V	Q3001	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
C3052	1-124-907-11	ELECT	10uF 20% 50V	Q3002	8-729-900-63	TRANSISTOR DTA124ES	
C3053	1-136-171-00	FILM	0.33uF 5% 50V	Q3101	8-729-224-63	TRANSISTOR 2SK246-BL	
C3054	1-136-168-00	FILM	0.18uF 5% 50V	Q3102	8-729-224-63	TRANSISTOR 2SK246-BL	
C3056	1-126-963-11	ELECT	4.7uF 20% 50V	Q3103	8-729-224-63	TRANSISTOR 2SK246-BL	
C3101	1-162-215-31	CERAMIC	47PF 5% 50V	Q3104	8-729-224-63	TRANSISTOR 2SK246-BL	
C3102	1-162-215-31	CERAMIC	47PF 5% 50V	Q3105	8-729-422-57	TRANSISTOR UN4111	
C3103	1-137-437-11	FILM	0.0056uF 5% 50V	Q3106	8-729-119-78	TRANSISTOR 2SC2785HFE	
C3104	1-137-364-11	FILM	0.001uF 5% 50V	Q3107	8-729-422-57	TRANSISTOR UN4111	
C3105	1-137-437-11	FILM	0.0056uF 5% 50V	Q3108	8-729-040-20	TRANSISTOR RTP137L-TP	
C3106	1-137-364-11	FILM	0.001uF 5% 50V	Q3109	8-729-900-36	TRANSISTOR DTC124ES	
C3107	1-124-907-11	ELECT	10uF 20% 50V	Q3110	8-729-900-80	TRANSISTOR DTC114ES	
C3108	1-126-963-11	ELECT	4.7uF 20% 50V				
C3109	1-124-907-11	ELECT	10uF 20% 50V				
C3110	1-162-203-31	CERAMIC	15PF 5% 50V				
C3111	1-162-215-31	CERAMIC	47PF 5% 50V				

SUB AMP

TC-A SW

Ref. No.	Part No.	Description	Remark
		< RESISTOR >	
R601	1-249-417-11	CARBON 1K	5% 1/4W F
R602	1-249-437-11	CARBON 47K	5% 1/4W
R603	1-249-415-11	CARBON 680	5% 1/4W F
R604	1-249-437-11	CARBON 47K	5% 1/4W
R605	1-260-103-11	CARBON 2.2K	5% 1/2W
R606	1-260-103-11	CARBON 2.2K	5% 1/2W
△ R609	1-212-881-11	FUSIBLE 100	5% 1/4W F
△ R610	1-208-602-11	METAL WIRE 0.22	2W
R611	1-249-417-11	CARBON 1K	5% 1/4W F
R612	1-249-431-11	CARBON 15K	5% 1/4W
R613	1-249-441-11	CARBON 100K	5% 1/4W
R614	1-260-099-11	CARBON 1K	5% 1/2W
R616	1-260-099-11	CARBON 1K	5% 1/2W
R618	1-260-076-11	CARBON 10	5% 1/2W
R627	1-249-429-11	CARBON 10K	5% 1/4W
R628	1-247-881-00	CARBON 120K	5% 1/4W
R630	1-249-429-11	CARBON 10K	5% 1/4W
R642	1-249-429-11	CARBON 10K	5% 1/4W
△ R644	1-217-637-00	FUSIBLE 1	5% 1/4W F
R651	1-249-417-11	CARBON 1K	5% 1/4W F
R652	1-249-437-11	CARBON 47K	5% 1/4W
R653	1-249-415-11	CARBON 680	5% 1/4W F
R654	1-249-437-11	CARBON 47K	5% 1/4W
R655	1-260-103-11	CARBON 2.2K	5% 1/2W
R656	1-260-103-11	CARBON 2.2K	5% 1/2W
△ R659	1-212-881-11	FUSIBLE 100	5% 1/4W F
△ R660	1-208-602-11	METAL WIRE 0.22	2W
R661	1-249-417-11	CARBON 1K	5% 1/4W F
R662	1-249-431-11	CARBON 15K	5% 1/4W
R663	1-249-441-11	CARBON 100K	5% 1/4W
R668	1-260-076-11	CARBON 10	5% 1/2W
R670	1-247-863-91	CARBON 22K	5% 1/4W
R671	1-249-441-11	CARBON 100K	5% 1/4W
R672	1-249-436-11	CARBON 39K	5% 1/4W
R3001	1-249-438-11	CARBON 56K	5% 1/4W
R3002	1-249-414-11	CARBON 560	5% 1/4W F
R3003	1-249-429-11	CARBON 10K	5% 1/4W
△ R3004	1-212-881-11	FUSIBLE 100	5% 1/4W F
△ R3005	1-212-881-11	FUSIBLE 100	5% 1/4W F
R3006	1-249-438-11	CARBON 56K	5% 1/4W
R3007	1-249-417-11	CARBON 1K	5% 1/4W F
R3008	1-249-437-11	CARBON 47K	5% 1/4W
R3011	1-126-076-11	CARBON 10	5% 1/2W F
R3013	1-249-441-11	CARBON 100K	5% 1/4W
R3014	1-249-431-11	CARBON 15K	5% 1/4W
R3015	1-249-429-11	CARBON 10K	5% 1/4W
R3016	1-249-441-11	CARBON 100K	5% 1/4W
R3017	1-249-437-11	CARBON 47K	5% 1/4W
△ R3018	1-216-456-00	METAL OXIDE 820	5% 2W F
△ R3020	1-208-602-11	METAL WIRE 0.22	2W
R3021	1-249-417-11	CARBON 1K	5% 1/4W F
R3022	1-249-431-11	CARBON 15K	5% 1/4W
R3054	1-247-856-00	CARBON 11K	5% 1/4W
R3055	1-247-856-00	CARBON 11K	5% 1/4W
△ R3057	1-212-881-11	FUSIBLE 100	5% 1/4W F

Ref. No.	Part No.	Description	Remark
R3101	1-249-437-11	CARBON 47K	5% 1/4W
R3102	1-247-843-11	CARBON 3.3K	5% 1/4W
R3103	1-247-843-11	CARBON 3.3K	5% 1/4W
R3104	1-249-441-11	CARBON 100K	5% 1/4W
R3105	1-249-441-11	CARBON 100K	5% 1/4W
R3106	1-249-437-11	CARBON 47K	5% 1/4W
R3107	1-249-415-11	CARBON 680	5% 1/4W F
R3108	1-249-415-11	CARBON 680	5% 1/4W F
R3109	1-247-878-00	CARBON 91K	5% 1/4W
R3110	1-247-878-00	CARBON 91K	5% 1/4W
R3111	1-249-417-11	CARBON 1K	5% 1/4W F
R3112	1-249-441-11	CARBON 100K	5% 1/4W
R3114	1-249-429-11	CARBON 10K	5% 1/4W
R3115	1-249-429-11	CARBON 10K	5% 1/4W
R3116	1-249-429-11	CARBON 10K	5% 1/4W
R3117	1-249-435-11	CARBON 33K	5% 1/4W
R3118	1-249-435-11	CARBON 33K	5% 1/4W
R3119	1-249-437-11	CARBON 47K	5% 1/4W
R3120	1-249-437-11	CARBON 47K	5% 1/4W
R3121	1-249-437-11	CARBON 47K	5% 1/4W
R3122	1-249-437-11	CARBON 47K	5% 1/4W
R3123	1-249-429-11	CARBON 10K	5% 1/4W
R3124	1-249-429-11	CARBON 10K	5% 1/4W
R3125	1-249-428-11	CARBON 8.2K	5% 1/4W F
R3126	1-249-428-11	CARBON 8.2K	5% 1/4W F
R3127	1-249-441-11	CARBON 100K	5% 1/4W
R3130	1-247-791-91	CARBON 22	5% 1/4W
R3131	1-249-441-11	CARBON 100K	5% 1/4W
R3132	1-249-441-11	CARBON 100K	5% 1/4W
R3133	1-249-431-11	CARBON 15K	5% 1/4W
R3134	1-249-417-11	CARBON 1K	5% 1/4W F
R3135	1-249-426-11	CARBON 5.6K	5% 1/4W F
R3136	1-249-437-11	CARBON 47K	5% 1/4W
		< RELAY >	
RY3001	1-515-920-11	RELAY (24V)	
		< THERMISTOR(POSITIVE) >	
THP670	1-807-796-11	THERMISTOR	

*	1-664-012-11	TC-A SW BOARD	

		< CONNECTOR >	
CN612	1-506-486-11	PIN, CONNECTOR 7P	
		< DIODE >	
D631	8-719-057-29	DIODE SML78423C-TP15 (▷)(DECK A)	
D632	8-719-057-29	DIODE SML78423C-TP15 (◁)(DECK A)	
		< RESISTOR >	
R705	1-249-401-11	CARBON 47	5% 1/4W F
R706	1-249-403-11	CARBON 68	5% 1/4W F
R707	1-247-807-31	CARBON 100	5% 1/4W
R708	1-249-407-11	CARBON 150	5% 1/4W F
R709	1-249-407-11	CARBON 150	5% 1/4W F

The components identified by mark △ or dotted line with mark △ are critical for safety.
Replace only with part number specified.

TC-A SW

TC-B SW

TRANS

Ref. No.	Part No.	Description	Remark
R710	1-247-815-91	CARBON 220 5%	1/4W
R711	1-247-807-31	CARBON 100 5%	1/4W
R712	1-247-807-31	CARBON 100 5%	1/4W
R713	1-247-807-31	CARBON 100 5%	1/4W
R714	1-247-807-31	CARBON 100 5%	1/4W
< SWITCH >			
S641	1-554-303-21	SWITCH, TACTILE (▷)(DECK A)	
S642	1-554-303-21	SWITCH, TACTILE (◁)(DECK A)	
S643	1-554-303-21	SWITCH, TACTILE (■)(DECK A)	
S644	1-554-303-21	SWITCH, TACTILE (◀)(DECK A)	
S645	1-554-303-21	SWITCH, TACTILE (▶)(DECK A)	
S646	1-554-303-21	SWITCH, TACTILE (DOLBY NR)	
S647	1-554-303-21	SWITCH, TACTILE (DIRECTION)	

*	1-664-013-11	TC-B SW BOARD	

< DIODE >			
D635	8-719-057-29	DIODE SML78423C-TP15 (◁)(DECK B)	
D636	8-719-057-29	DIODE SML78423C-TP15 (▷)(DECK B)	
D637	8-719-058-17	DIODE LNJ401NPYJA (■)(DECK B)	
D638	8-719-057-09	DIODE LNJ801LPDJA (● REC)(DECK B)	
< RESISTOR >			
R715	1-247-815-91	CARBON 220 5%	1/4W
R716	1-249-411-11	CARBON 330 5%	1/4W
R717	1-249-413-11	CARBON 470 5%	1/4W F
R718	1-249-415-11	CARBON 680 5%	1/4W F
R719	1-249-417-11	CARBON 1K 5%	1/4W F
R720	1-249-419-11	CARBON 1.5K 5%	1/4W F
R721	1-249-421-11	CARBON 2.2K 5%	1/4W F
R722	1-247-843-11	CARBON 3.3K 5%	1/4W
R723	1-247-807-31	CARBON 100 5%	1/4W
R724	1-247-807-31	CARBON 100 5%	1/4W
R725	1-247-807-31	CARBON 100 5%	1/4W
R726	1-247-807-31	CARBON 100 5%	1/4W
R727	1-247-807-31	CARBON 100 5%	1/4W
R728	1-247-807-31	CARBON 100 5%	1/4W
< SWITCH >			
S651	1-554-303-21	SWITCH, TACTILE (▷)(DECK B)	
S652	1-554-303-21	SWITCH, TACTILE (◁)(DECK B)	
S653	1-554-303-21	SWITCH, TACTILE (▶)(DECK B)	
S654	1-554-303-21	SWITCH, TACTILE (◀)(DECK B)	
S655	1-554-303-21	SWITCH, TACTILE (■)(DECK B)	
S656	1-554-303-21	SWITCH, TACTILE (■)(DECK B)	
S657	1-554-303-21	SWITCH, TACTILE (● REC)(DECK B)	
S658	1-554-303-21	SWITCH, TACTILE (H.SPEED DUBB)	
S659	1-554-303-21	SWITCH, TACTILE (CD SYNC)	

Ref. No.	Part No.	Description	Remark
*	1-663-994-11	TRANS BOARD	

< CONNECTOR >			
* CN501	1-564-527-11	PLUG, CONNECTOR 12P	
CN502	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
< RESISTOR >			
△ R501	1-219-120-11	FUSIBLE 0.15 5%	1/4W F
△ R502	1-219-120-11	FUSIBLE 0.15 5%	1/4W F
< TRANSFORMER >			
△ T501	1-431-781-11	TRANSFORMER, POWER	

MISCELLANEOUS			

5	1-233-545-11	ENCAPSULATED COMPONENT	
6	1-769-974-11	WIRE (FLAT TYPE) (13 CORE)	
58	1-773-163-11	WIRE (FLAT TYPE) (21 CORE)	
59	1-769-949-11	WIRE (FLAT TYPE) (11 CORE)	
120	1-773-051-11	WIRE (FLAT TYPE) (17 CORE)	
156	1-777-868-11	WIRE (FLAT TYPE) (19 CORE)	
△ CNP901	1-751-326-21	CORD, POWER	
FL601	1-517-617-11	INDICATOR TUBE, FLUORESCENT	
M901	1-698-792-11	FAN, DC	
△ T501	1-431-781-11	TRANSFORMER, POWER	

ACCESSORIES & PACKING MATERIALS			

1-475-045-11	COMMANDER, STANDARD (RM-SE2AV)		
1-501-374-11	ANTENNA, LOOP		
1-501-659-41	ANTENNA (FM)		
3-859-930-21	MANUAL, INSTRUCTION (ENGLISH,THAI)		
4-981-643-01	COVER, BATTERY (FOR RM-SE2AV)		

HARDWARE LIST			

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-872-09	SCREW +BVTT 3X8 (S)	
#4	7-685-650-79	SCREW +BVTP 3X16 TYPE2 N-S	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

