

STR-V7700

SERVICE MANUAL

E Model
Chinese Model



STR-V7700 is RECEIVER section in
MHC-V7700AV.

Manufactured under license from Dolby Laboratories
Licensing Corporation.
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SPECIFICATIONS

Amplifier section

Continuous RMS power output

FRONT SPEAKER:
China model 100+100 watts
6 ohms at 1 kHz, 10%
THD (240V AC supply)
85+85 watts
6 ohms at 1 kHz, 10%
THD (220V AC supply)
Other models 100+100 watts
(6 ohms at 1 kHz, 10%
THD)
CENTER SPEAKER:
45watts (reference)
(8 ohms at 1 kHz, 10%
THD)
REAR SPEAKER:
30+30 watts (reference)
(8 ohms at 1 kHz, 10%
THD)

Peak music power output:

1800 watts (reference)
Inputs MD/VIDEO 1 IN (phono
jacks): voltage 250 mV,
impedance 47 kilo ohms
AV INPUT AUDIO
(phono jacks): voltage 250
mV, impedance 47 kilo
ohms
MIX MIC 1/2 (phone
jack): sensitivity 1 mV,
impedance 10 kilo ohms
MD/VIDEO 1 OUT
(phono jacks): voltage 250
mV, impedance 1 kilo ohm
PHONES (stereo phone
jack): accepts headphones
of 8 ohms or more.

Video section

Inputs

FRONT SPEAKER:
accepts impedance of 6 to 16
ohms
CENTER SPEAKER:
accepts impedance of 8 to 16
ohms
REAR SPEAKER:
accepts impedance of 8 to 16
ohms
SUPER WOOFER:
Voltage 1 V, impedance 1
kilo ohm

Outputs

AV INPUT VIDEO
(phono jack):
1 Vp-p, 75 ohms
VIDEO IN (phono jack):
1 Vp-p, 75 ohms
MONITOR OUT (phono
jack): 1 Vp-p, 75 ohms
VIDEO OUT (phono
jack): 1 Vp-p, 75 ohms
S-VIDEO (4-pin/mini-
DIN jack):
Y: 1 Vp-p, unbalanced,
sync negative
C: 0.286 Vp-p, load
impedance 75 ohms

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5-108.0 MHz
Antenna terminals 75 ohm unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range 531-1,602 kHz
Thai models: (with the AM tuning
interval set at 9 kHz)
530-1,710 kHz
(with the AM tuning
interval set at 10 kHz)
Other models: MW
531-1,602 kHz
(with the MW tuning
interval set at 9 kHz)
530-1,710 kHz
(with the MW tuning
interval set at 10 kHz)
SW
5.95-17.90 MHz
(with the SW tuning
interval set at 5 kHz)
Intermediate frequency 450 kHz
Antenna AM loop antenna
External antenna terminal

— Continued on next page —

FM STEREO/FM-AM RECEIVER



SONY

General

Power requirements	
Thai model:	220-240V AC, 50/60 Hz
Other models:	110-120V or 220-240V AC, 50/60Hz Adjustable with voltage selector
Power consumption	230watts
Dimensions (w/h/d)	Approx. 280 × 205 × 336 mm
Mass	Approx. 7.0kg

Design and specifications are subject to change without notice.

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SAFETY-RELATED COMPONENT WARNING!!

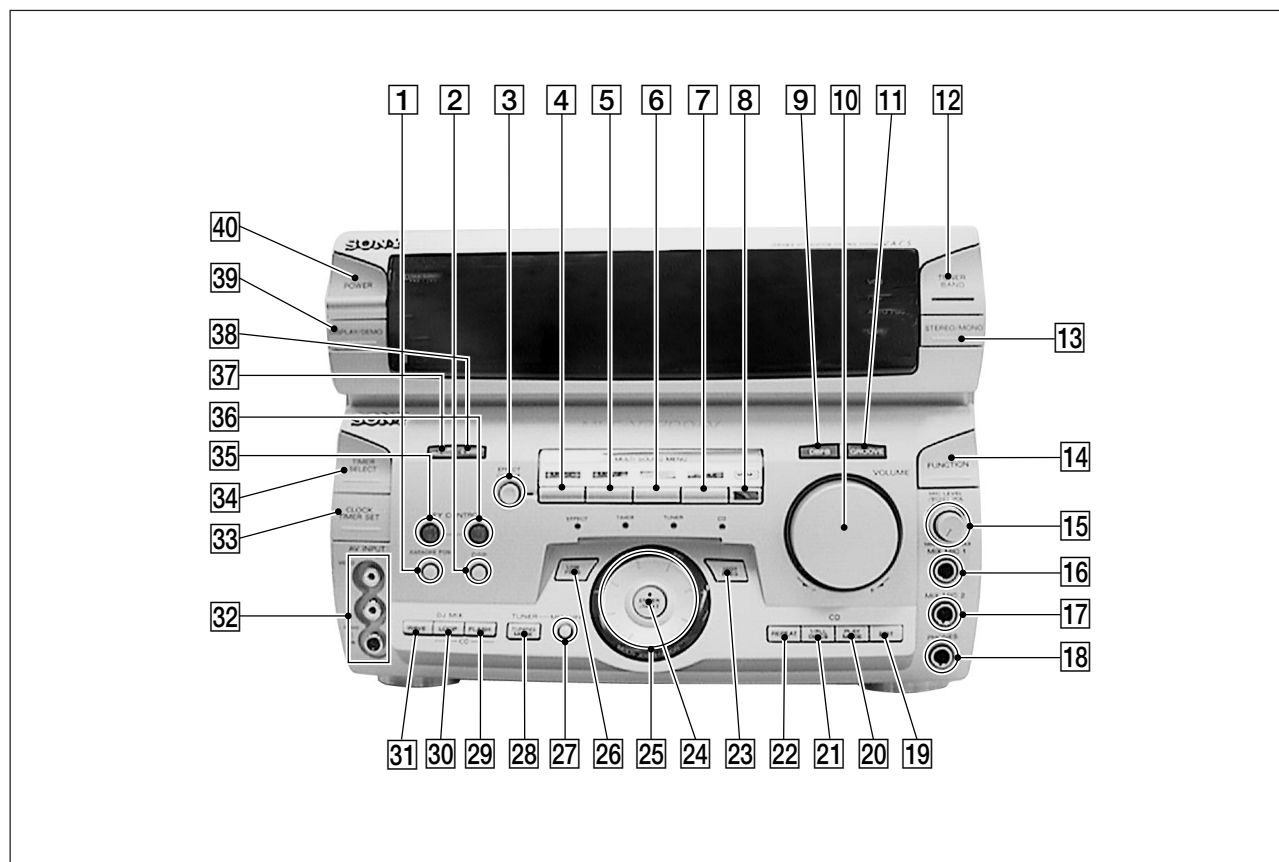
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Notes on chip component replacement

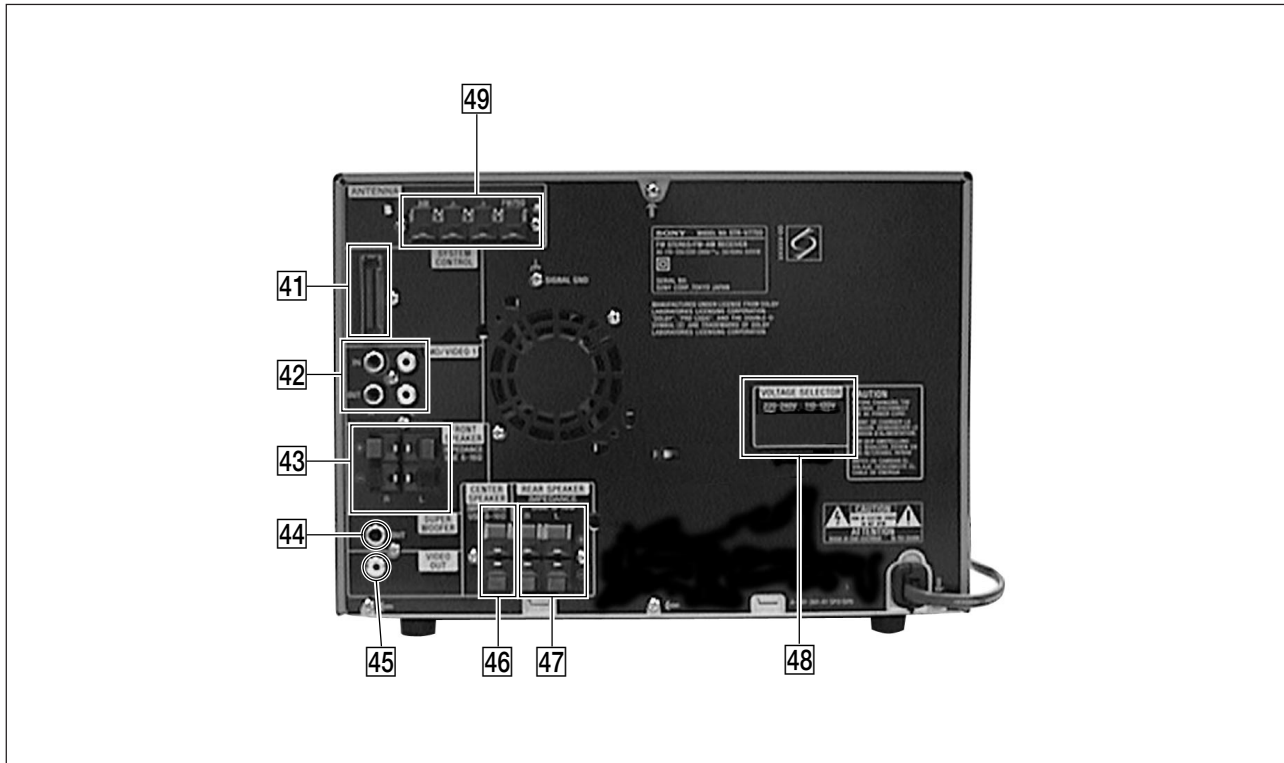
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SECTION 1 GENERAL

— FRONT PANEL —



- | | |
|--------------------------|--------------------------------|
| 1 KARAOKE PON/MPX button | 21 1/ALL DISCS button |
| 2 DSP button | 22 REPEAT button |
| 3 EFFECT ON/OFF button | 23 HIGH FREQ button |
| 4 MUSIC button | 24 ENTER/NEXT button |
| 5 MOVIE button | 25 MULTI JOG STATION dial |
| 6 GAME button | 26 LOW FREQ button |
| 7 P FILE button | 27 MEMORY button |
| 8 MEMO button | 28 TUNING MODE button |
| 9 DBFB button | 29 FLASH button |
| 10 VOLUME | 30 LOOP button |
| 11 GROOVE button | 31 WAVE button |
| 12 TUNER BAND button | 32 AV INPUT jack |
| 13 STEREO/MONO button | 33 CLOCK TIMER SET button |
| 14 FUNCTION button | 34 TIMER SELECT button |
| 15 MIC LEVEL/ECHO VOL | 35 KEY CONTROL b button |
| 16 MIX MIC 1 jack | 36 KEY CONTROL # button |
| 17 MIX MIC 2 jack | 37 DOLBY PROLOGIC button |
| 18 PHONES jack | 38 C. MODE button |
| 19 EDIT button | 39 DISPLAY/DEMO button |
| 20 PLAY MODE button | 40 POWER button |



- 41 SYSTEM CONTROL
- 42 MD/VIDEO 1 jack
- 43 FRONT SPEAKER terminal
- 44 SUPER WOOFER jack
- 45 VIDEO OUT jack
- 46 CENTER SPEAKER terminal
- 47 REAR SPEAKER terminal
- 48 VOLTAGE SELECTOR switch (EXCEPT TH, KR)
- 49 ANTENNA terminal

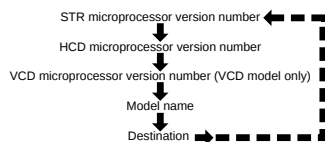
- Abbreviation
 - TH : Thai
 - KR : Korean

SECTION 2 TEST MODE

FL DISPLAY/KEY LED TEST MODE

Press the REPEAT, ENTER/NEXT and SURROUND buttons simultaneously.

1. All FL segments and all LEDs turn on.
2. To access the microprocessor information, press the P FILE key. Each pressing of the P FILE key advances the display on the FL tube in the following sequence.



3. To check the encoder, press the MUSIC key. The following display appears on the FL tube.
"K 0 J 0 V 0"

The number after K indicates the number of times that the key is pressed. The key which was pressed in the past, is not counted. The key which is pressed hereafter is counted. Pressing any key increases the number after K.

The number after J indicates the number of rotations that the JOG dial is rotated. Turning the JOG dial clockwise increases the number after J. Turning the JOG dial counter-clockwise decreases the number after J.

The number after V indicates the number of rotations that the VOLUME dial is rotated. Turning the VOLUME dial clockwise increases the number after V. Turning the VOLUME dial counter-clockwise decreases the number after V.

To exit this mode, perform the "Cold Reset" (reset clearing memory) as described below.

GENERAL TEST MODE (INCLUDING AMPLIFIER AND TUNER)

Press the REPEAT, ENTER/NEXT and CLOCK TIMER SET buttons simultaneously while the main power is on.

1. Sound volume display segment starts blinking.
2. The tuning enters the PRESET mode.
3. Rotating the VOLUME control clockwise increases the volume level to maximum.
Rotating the VOLUME control counter-clockwise decreases the volume level to minimum.
4. Pressing the MUSIC key decreases the equalizer curve to minimum and "EQ CHECK" appears on the display.
Pressing the MOVIE key increases the equalizer curve to maximum.
Pressing the GAME key makes the equalizer curve flat.
5. Pressing any of the DBFB, GROOVE or SURROUND key disappears "EQ CHECK" on the display.

To exit this mode, perform the "Cold Reset" (reset clearing memory) as described below.

AGING MODE

1. CD aging mode

To execute the CD aging, set the three discs to the CD tray and set the function to CD. REPEAT, ENTER/NEXT and LOOP buttons simultaneously. The CD aging mode starts and the disc calendar starts blinking.

2. Tape aging mode

To execute the tape aging, set the two tapes to the tape A and B drives. Set the function to TAPE. Press the REPEAT, ENTER/NEXT and LOOP buttons simultaneously. Press the A forward key to start the tape aging mode. "AGING" appears on the display.

CD SERVICE MODE

Turn on the main power. Press the REPEAT, ENTER/NEXT and KARAOKE PON/MPX buttons simultaneously.
VACS toggles between ON and OFF.

VACS LEVEL DISPLAY

Turn on the main power. Press the EDIT, ENTER/NEXT and KARAOKE PON/MPX buttons simultaneously.
VACS level appears on the display.

CD SHIP MODE

Turn on the main power. Press the PLAY MODE and POWER buttons simultaneously.
The main power is turned off and LOCK appears on the display.

TUNER STEP CHANGE

Turn on the main power. Set the function to TUNER. Select MW band from the present tuning.

Turn off the main power. Press the ENTER/NEXT and POWER buttons simultaneously. The main power is turned on and the changed step appears on the display.

MD/VIDEO 1 FUNCTION CHANGE

Press the FUNCTION and POWER buttons simultaneously while the main power is off. When the function is set to VIDEO 1, the function is changed to MD and MD appears on the display.

When the function is set to MD, the function is changed to VIDEO 1 and VIDEO 1 appears on the display.

COLD RESET (Reset which clears memory.)

Press the REPEAT, ENTER/NEXT and DISPLAY buttons simultaneously at any time. The system is reset while clearing memory.

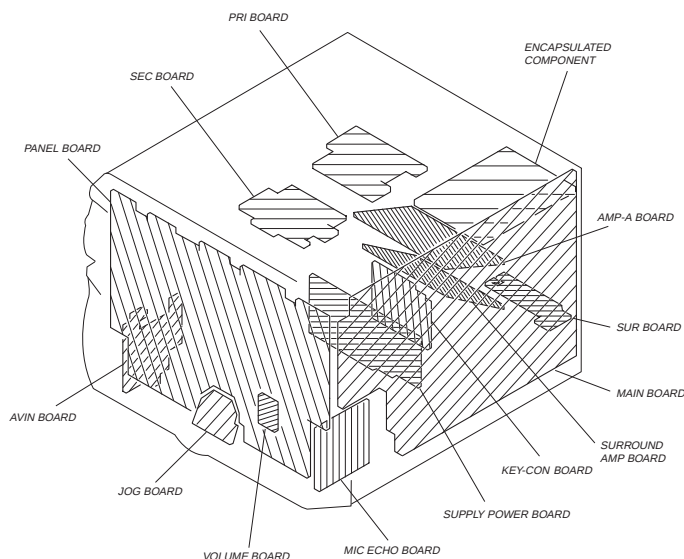
HOT RESET

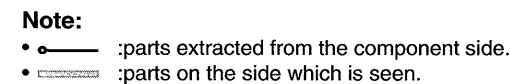
(Reset which does not clear memory.)

Press the REPEAT, ENTER/NEXT and TIMER SELECT buttons simultaneously at any time. The system is reset without clearing memory.

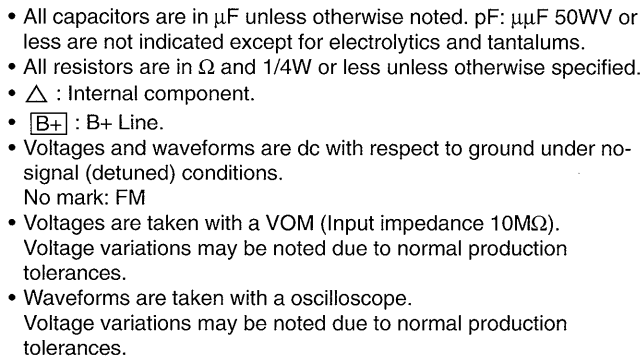
SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



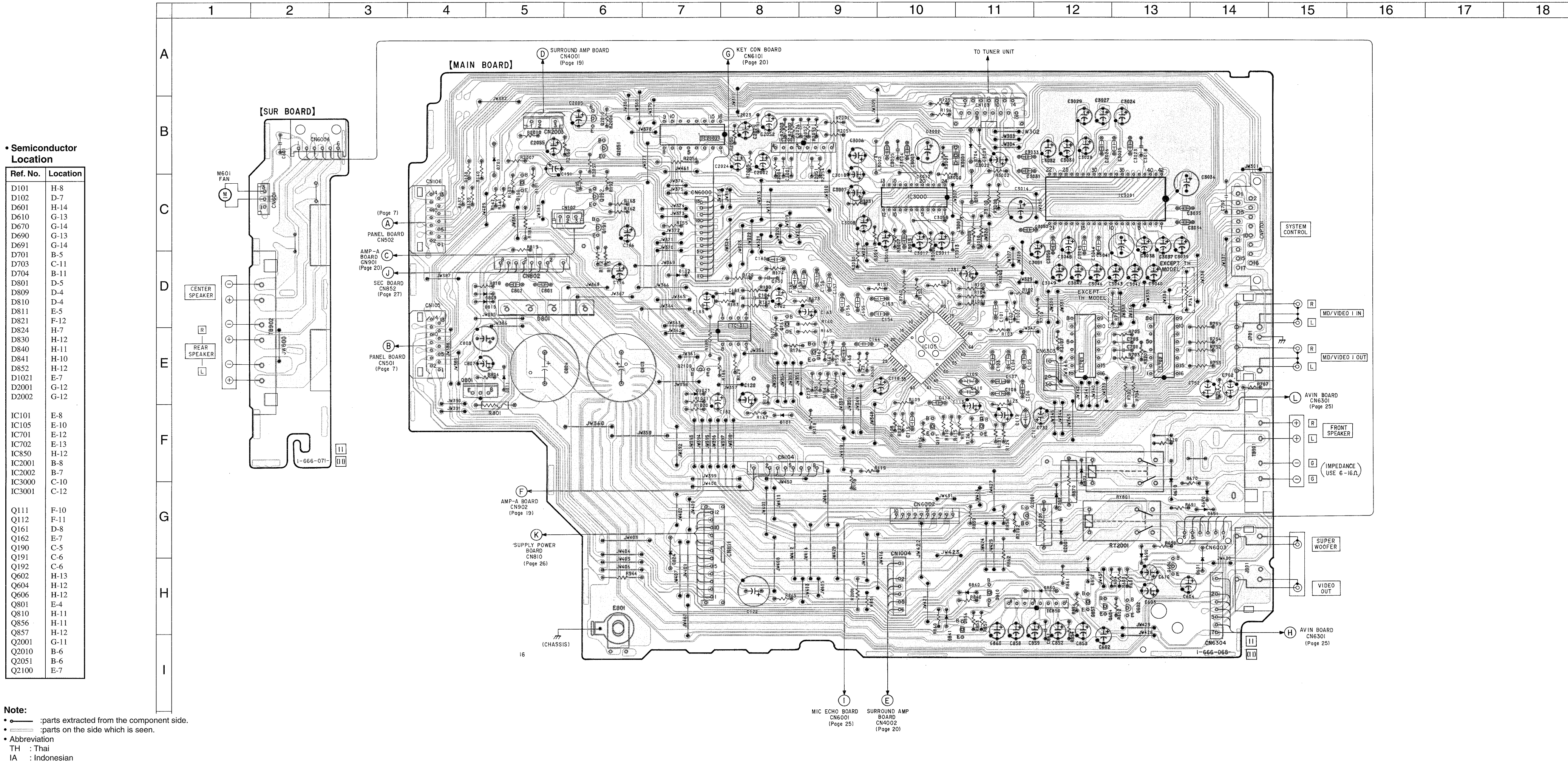


IC501	B-7
IC502	C-11
IC503	A-11
IC504	D-10
Q501	C-5
Q502	D-6
Q503	F-6
Q504	D-6
Q505	D-7
Q506	D-7
Q507	D-8
Q508	D-8
Q509	D-8
Q510	D-9



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3-4. PRINTED WIRING BOARD — MAIN SECTION —

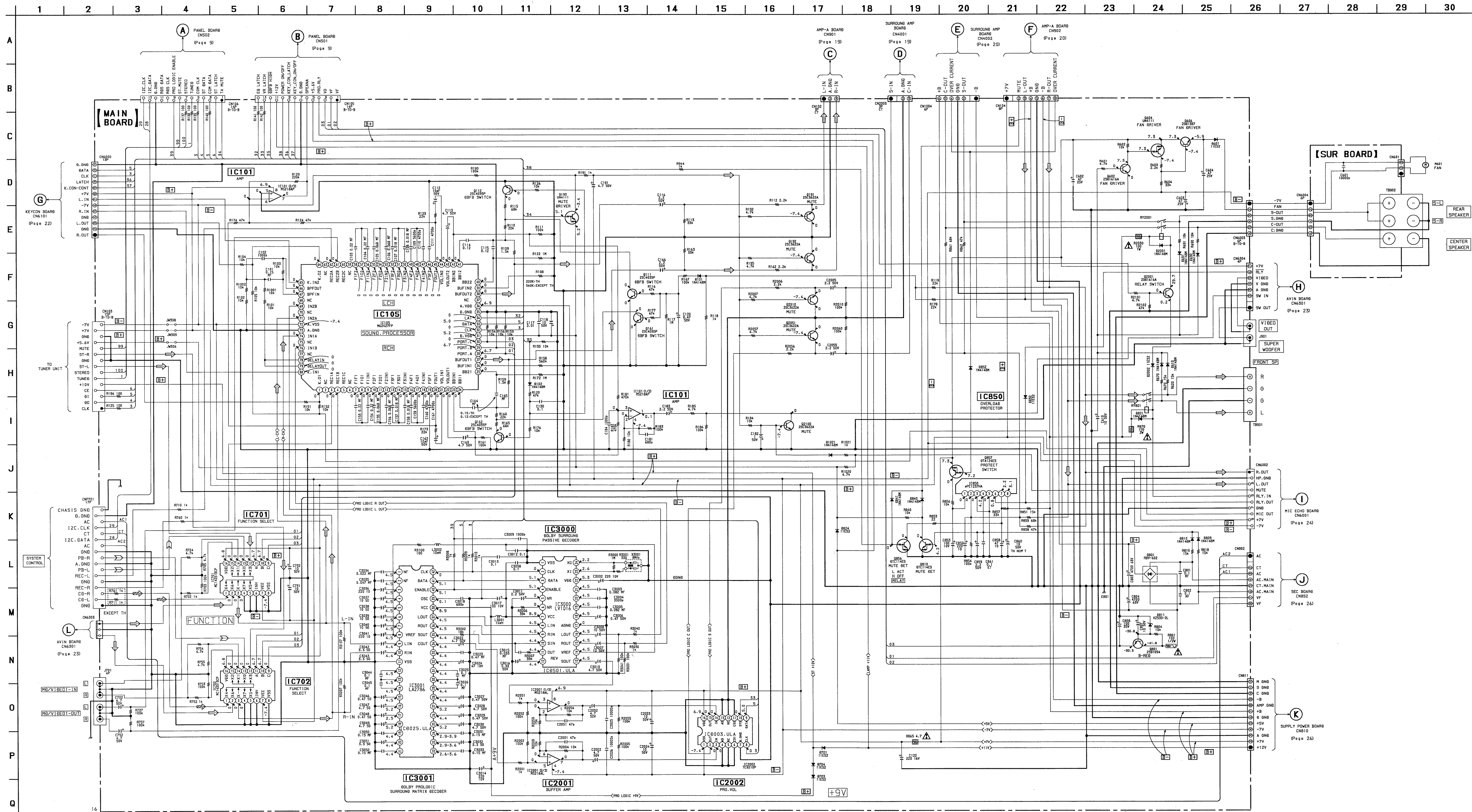


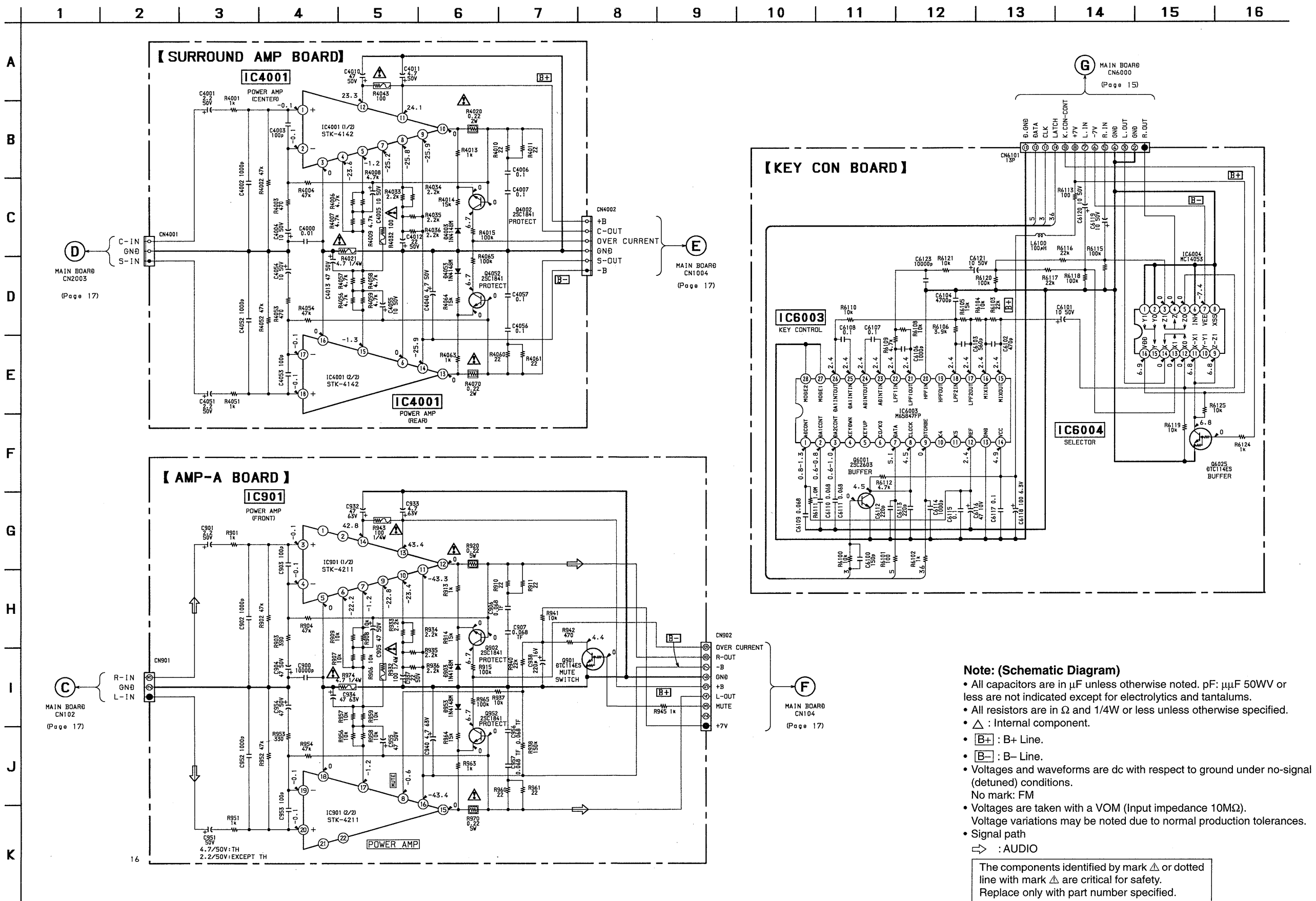
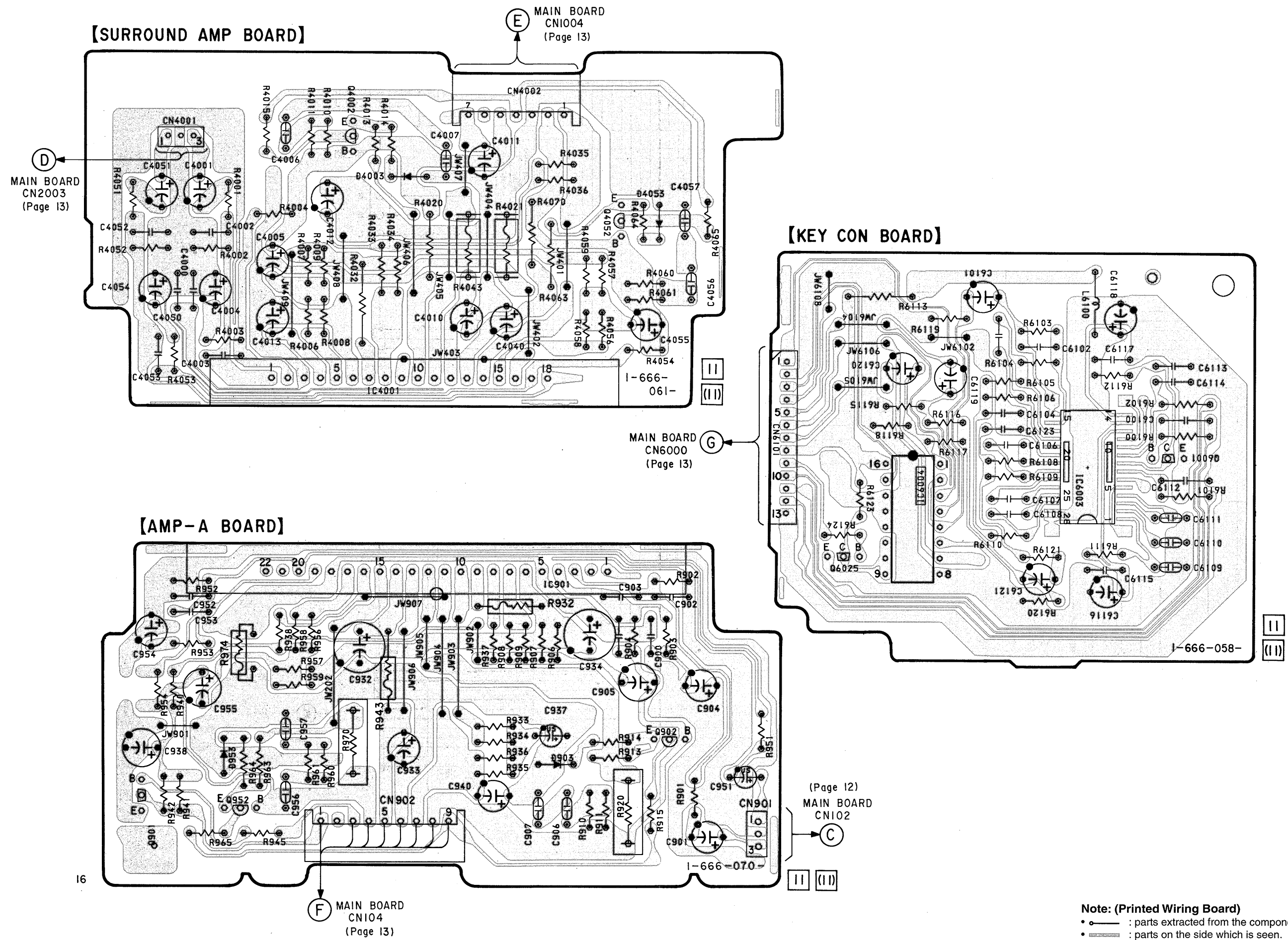
3-5. SCHEMATIC DIAGRAM — MAIN SECTION —

- Note:**
- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and 1/4W or less unless otherwise specified.
 - $\triangle$: Internal component.
 - [B+]: B+ Line.
 - [B-]: B- Line.
 - Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
 - No mark: FM
 - 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.

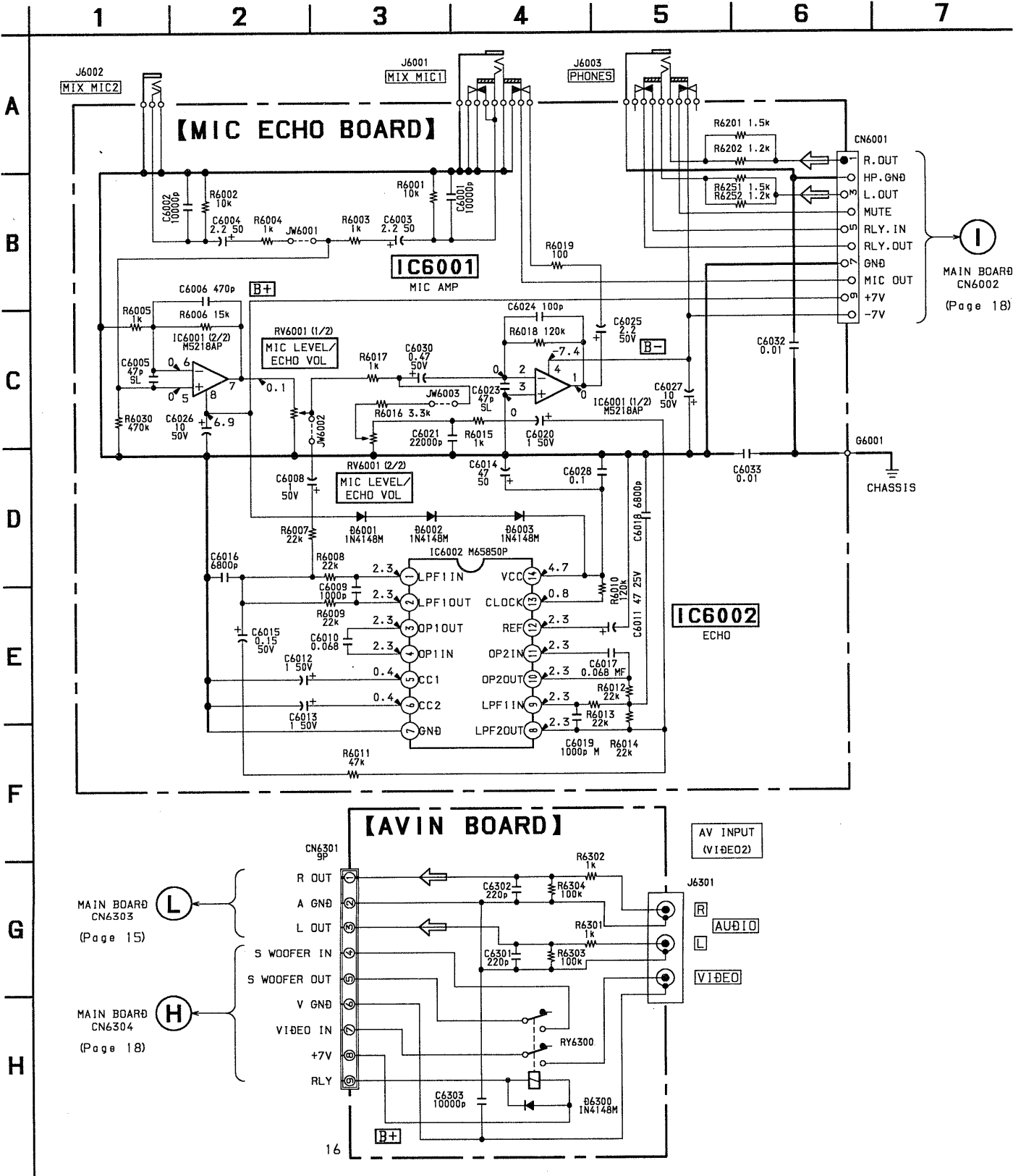
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

- Signal path
- $\Rightarrow$: TUNER/AUDIO
- $\Rightarrow$: PB
- $\Rightarrow$: CD
- Abbreviation
- TH: Thai
- IA: Indonesian





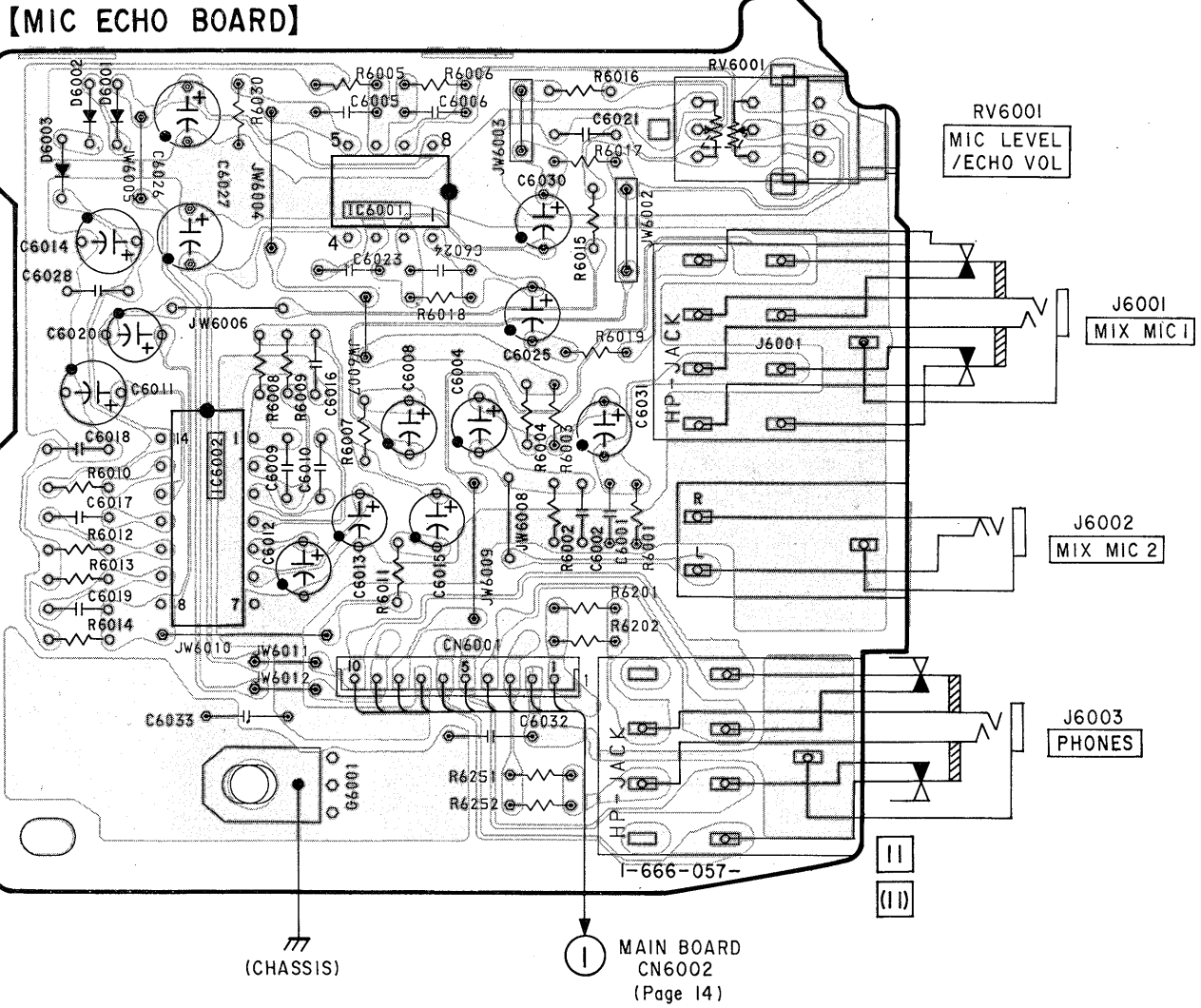
3-7. PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM — MIC ECHO/AV IN SECTION —



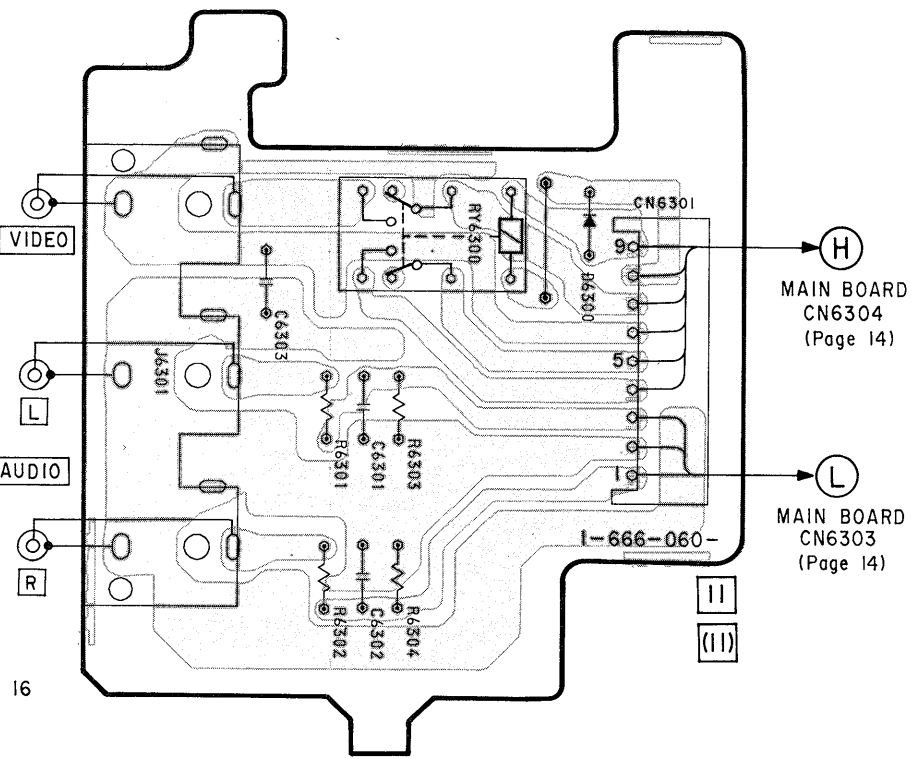
Note: (Schematic diagram)

- All capacitors are in μF unless otherwise noted. pF: μF 50WV 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.
- B+ : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
No mark: FM
- 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.
- Signal Path
 $\Rightarrow$: AUDIO

[MIC ECHO BOARD]



[AVIN BOARD]

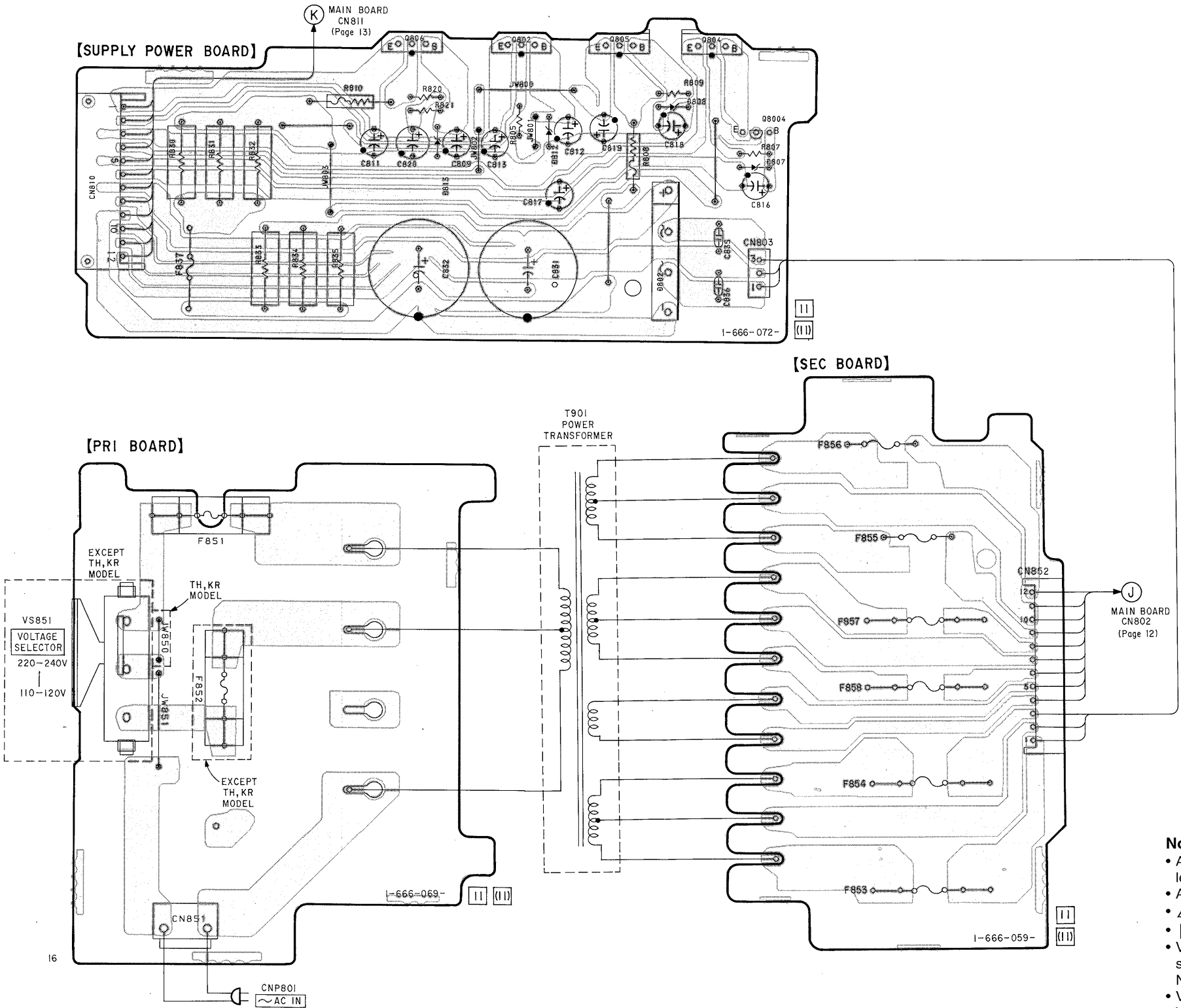
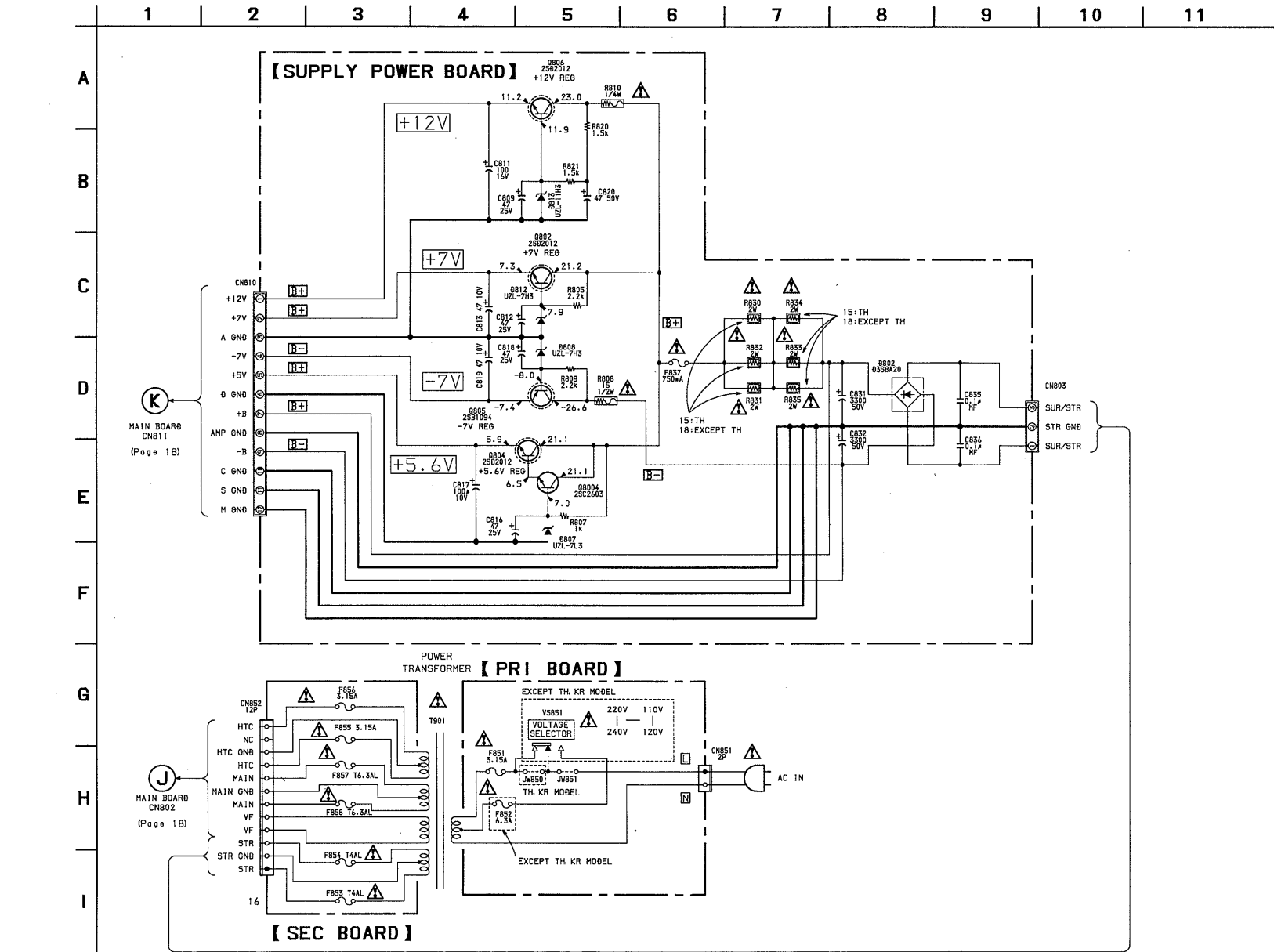


Note: (Printed Wiring Board)

- : parts extracted from the component side.
- : parts on the side which is seen.

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3-8. PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM — POWER SECTION —



Note: (Schematic diagram)

- All capacitors are in μF unless otherwise noted. pF: μF 50WV 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.
- $\text{B}+$: B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- No mark: FM
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.

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

Note: (Printed Wiring Board)

- — : parts extracted from the component side.
- — : parts on the side which is seen.

- Abbreviations
- TH : Thai
- KR : Korean

3-9. IC PIN FUNCTION

• IC501 TMP87CM75F-6623 (DISPLAY CONTROL)

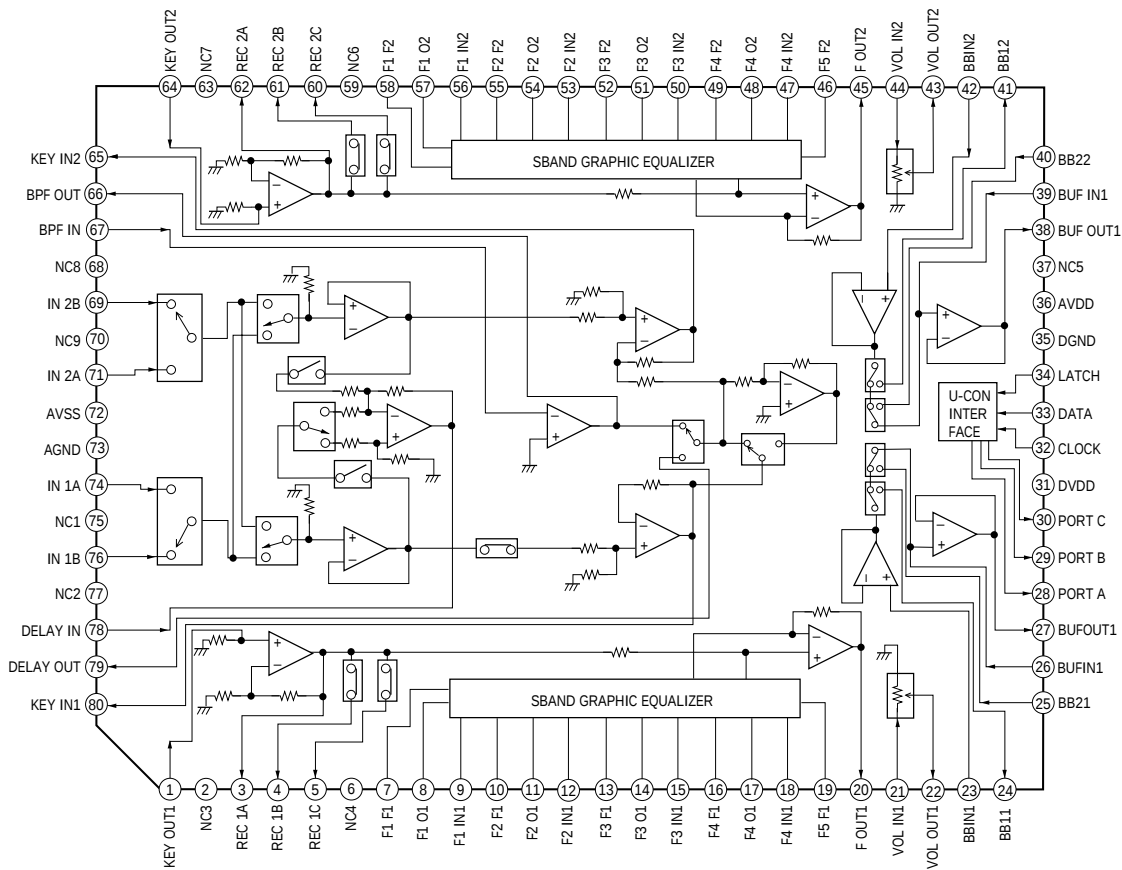
Pin No.	Pin Name	I/O	Description
1	NC	—	Not used
2	VG	—	Power supply (–35V)
3	COM CLK	O	Transfer clock output serial data
4	ST DATA IN	I	Serial data input
5	COM DATA	O	Serial data output
6	ST CE	O	Chip enable output
7	LED LAT	O	Latch output to IC504
8	POWER ON/OFF	O	H : D542, D543 ON
9	STEREO	I	Stereo signal input
10	TUNED	I	Tuned signal input
11	Vss	—	Power supply (Ground)
12	X OUT	O	Oscillator connection terminal (8MHz)
13	X IN	I	Oscillator connection terminal (8MHz)
14	RESET	I	Reset signal input terminal
15	XT OUT	O	Oscillator connection terminal (32.768kHz)
16	XT IN	I	Oscillator connection terminal (32.768kHz)
17	GND	—	Not used (Ground)
18	BACK UP	I	AC Power supply off
19	RDS DATA	I	RDS DATA input
20	RDS CLK	I	RDS clock input
21	SIRCS IN	I	SIRCS signal input
22	JOG IN B	I	JOG dial encoder input
23	VOL IN B	I	Volum encoder input
24	VOL IN A	I	Volum encoder input
25	JOG IN A	I	JOG dial encoder input
26	AUB IN	I	AUB input
27	12C CLK	I/O	12C clock I/O
28	12C DATA	I/O	12C data I/O
29	AUB OUT	O	AUB output
30	VDD	—	Power supply (5V)
31	Vss	—	Power supply (Ground)
32	EQ LAT	O	Latch output to IC105
33	VR LAT	O	Latch output to IC2002
34	TA MUTE	O	Mute output to transistor L : Mute ON
35	VIDEO MD	O	DBFB level control output L : DBFB HIGH
36	KEY CON LAT	O	Latch output to IC6003
37	KEY CON ON/OFF	O	H : Key con ON
38	POWER ON/OFF	O	L : SP relay ON
39	P LOG RELAY	O	PRO LOGIC RELAY output
40	KEY IN 0	I	Key data input (A/D converter)
41	KEY IN 1	I	Key data input (A/D converter)
42	KEY IN 2	I	Key data input (A/D converter)
43	SPEANA 0	I	Spectrum analyzer signal input
44	SPEANA 1	I	Spectrum analyzer signal input
45	SPEANA 2	I	Spectrum analyzer signal input
46	SPEANA 3	I	Spectrum analyzer signal input
47	SUFFIX	I	Input for model select
48	VASS	—	Power supply for analog (Ground)
49	VAREF	—	Power supply (+5V)
50	VDD	—	Power supply (Ground)

Pin No.	Pin Name	I/O	Description
51	FL-1G	O	Grid output to FL501
52	FL-2G	O	
53	FL-3G	O	
54	FL-4G	O	
55	FL-5G	O	
56	FL-6G	O	
57	FL-7G	O	
58	FL-8G	O	
59	FL-9G	O	Segment output to FL501
60	FL-10G	O	
61	FL-11G	O	
62	FL-12G	O	
63	FL-13G	O	
64	FL-14G	O	
65	FL-P1	O	
66	FL-P2	O	
67	FL-P3	O	
68	FL-P4	O	
69	FL-P5	O	
70	FL-P6	O	
71	FL-P7	O	
72	FL-P8	O	
73	FL-P9	O	
74	FL-P10	O	
75	FL-P11	O	
76	FL-P12	O	
77	FL-P13	O	
78	FL-P14	O	
79	FL-P15	O	
80	FL-P16	O	
81	FL-P17	O	
82	FL-P18	O	
83	FL-P19	O	
84	FL-P20	O	
85	FL-P21	O	
86	FL-P22	O	
87	FL-P23	O	
88	FL-P24	O	
89	FL-P25	O	
90	FL-P26	O	
91	FL-P27	O	
92	FL-P28	O	
93	FL-P29	O	
94	FL-P30	O	
95	FL-P31	O	
96	FL-P32	O	
97	FL-P33	O	
98	FL-P34	O	
99	ST MUTE	O	H : MUTE L : Signal Receiving
100	NC	—	Not used

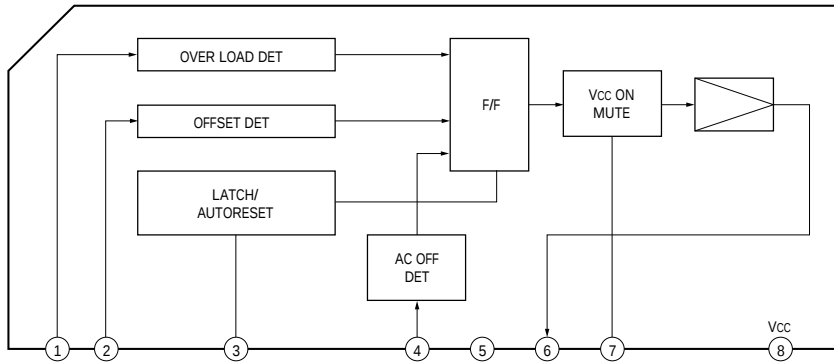
IC3001 LA2786



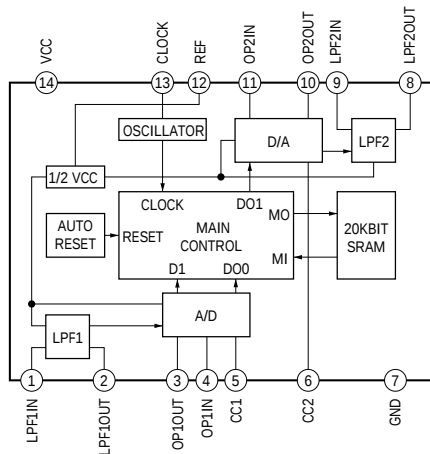
IC105 M62427FP-A



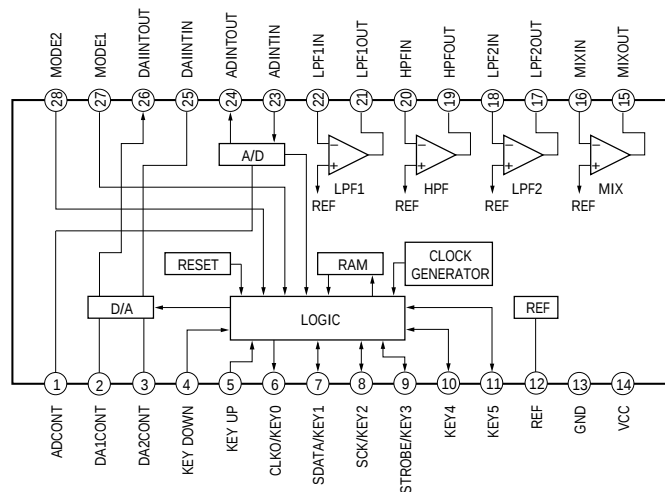
IC850 μ PC1237HA



IC6002 M65850P



IC6003 M65847FP



SECTION 4 EXPLODED VIEWS

Note:

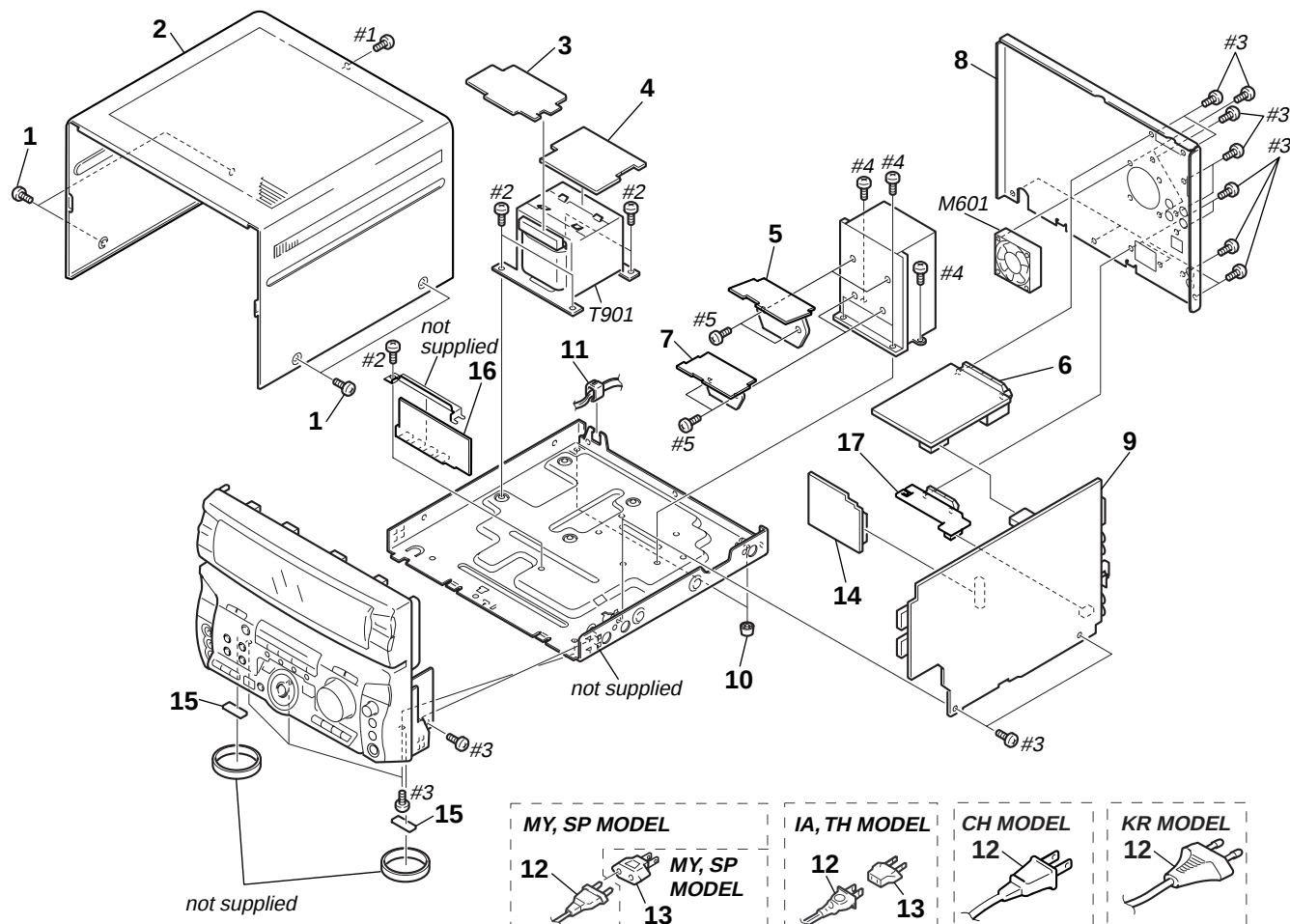
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviations

CH : Chinese	MY : Malaysia
SP : Singapore	TH : Thai
IA : Indonesian	KR : Korean

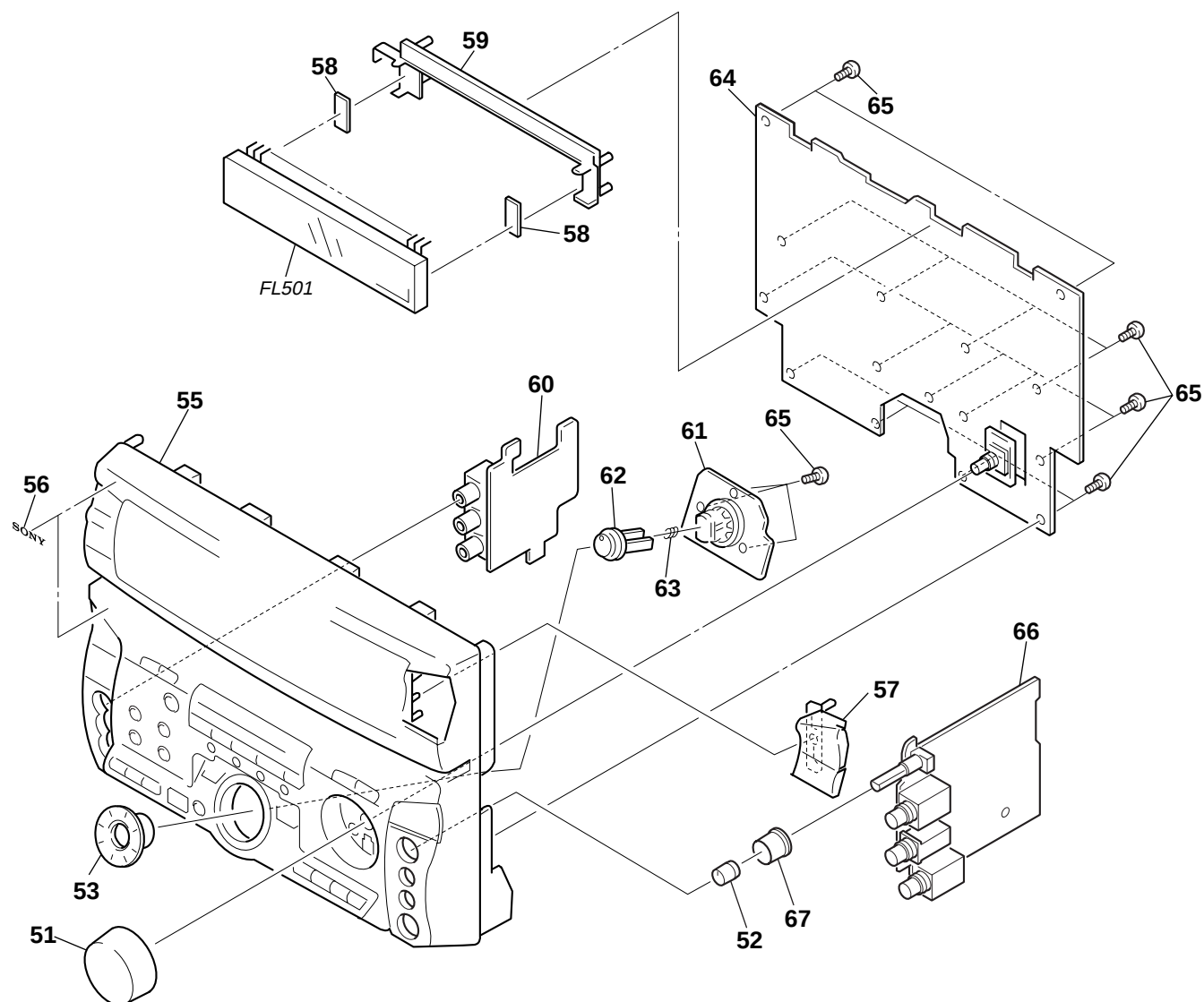
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

4-1. MAIN SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	3-363-099-11	SCREW (CASE 3 TP2)		10	4-970-381-11	FOOT (REAR)	
* 2	4-991-364-11	CASE		* 11	3-703-244-00	BUSHING (2104), CORD (TH,IA)	
* 3	1-666-059-11	SEC BOARD		11	3-703-571-11	BUSHING (S) (4516), CORD (MY,SP,KR,CH)	
* 4	1-666-069-11	PRI BOARD		Δ 12	1-751-326-31	CORD, POWER (TH)	
* 5	A-4398-466-A	SURROUND AMP BOARD, COMPLETE (MY,SP,KR,CH)		Δ 12	1-777-071-21	CORD, POWER (MY,SP)	
* 5	A-4403-217-A	SURROUND AMP BOARD, COMPLETE (TH)		Δ 12	1-782-315-11	CORD, POWER (IA)	
* 5	A-4403-699-A	SURROUND AMP BOARD, COMPLETE (IA)		Δ 12	1-769-079-21	CORD, POWER (KR)	
6	1-233-545-21	ENCAPSULATED COMPONENT (TH,KR)		Δ 12	1-782-464-21	CORD, POWER (CH)	
6	1-233-546-21	ENCAPSULATED COMPONENT (EXCEPT TH)		Δ 13	1-569-007-11	ADAPTOR, CONVERSION 2P (IA)	
* 7	1-666-070-11	AMP-A BOARD		Δ 13	1-569-008-21	ADAPTOR, CONVERSION 2P (MY,SP)	
* 8	4-991-361-41	PANEL (VCD), BACK (MY,SP)		* 14	A-4403-284-A	KEY-CON BOARD, COMPLETE (MY,SP,KR,CH)	
* 8	4-991-361-51	PANEL (VCD), BACK (CH)		* 14	A-4403-700-A	KEY-CON BOARD, COMPLETE (IA)	
* 8	4-991-361-61	PANEL (VCD), BACK (TH)		* 14	A-4403-707-A	KEY-CON BOARD, COMPLETE (TH)	
* 8	4-991-361-71	PANEL (VCD), BACK (IA)		15	4-977-358-11	CUSHION	
* 8	4-991-361-81	PANEL (VCD), BACK (KR)		* 16	A-4398-997-A	SUPPLY, POWER BOARD, COMPLETE (MY,SP,KR,CH)	
* 9	A-4403-282-A	MAIN BOARD, COMPLETE (MY,SP,KR,CH)		* 16	A-4403-693-A	SUPPLY, POWER BOARD, COMPLETE (IA)	
* 9	A-4403-694-A	MAIN BOARD, COMPLETE (IA)		* 17	1-666-071-11	SUR BOARD	
* 9	A-4403-704-A	MAIN BOARD, COMPLETE (TH)		M601	1-698-792-11	FAN, DC	
				Δ T901	1-431-363-11	TRANSFORMER, POWER	

4-2. PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
51	4-991-318-01	KNOB (VOL)		62	X-4948-611-1	BUTTON (E/N) ASSY	
52	4-991-326-01	KNOB (CENTER)		63	4-984-085-01	SPRING (ENTER), COMPRESSION	
53	4-991-317-01	KNOB (JOG)		* 64	A-4403-285-A	PANEL BOARD, COMPLETE (MY, SP, KR, CH)	
55	X-4948-896-1	PANEL ASSY, FRONT		* 64	A-4403-701-A	PANEL BOARD, COMPLETE (IA)	
56	4-962-708-11	EMBLEM (4-A), SONY		* 64	A-4403-708-A	PANEL BOARD, COMPLETE (TH)	
57	X-4948-612-1	DISPLAY ASSY, BUTTON		65	4-951-620-01	SCREW (2.6X8), +BVTP	
58	4-932-810-11	CUSHION (FL)		* 66	A-4403-207-A	MIC ECHO BOARD, COMPLETE (MY, SP, KR, CH)	
59	4-986-870-01	HOLDER, FL TUBE		* 66	A-4403-689-A	MIC ECHO BOARD, COMPLETE (IA)	
* 60	1-666-060-11	AVIN BOARD		* 66	A-4403-706-A	MIC ECHO BOARD, COMPLETE (TH)	
* 61	1-666-062-11	JOG BOARD		67	4-991-327-01	KNOB (CONTROL)	
				FL501	1-517-618-11	INDICATOR TUBE, FLUORESCENT	

SECTION 5 ELECTRICAL PARTS LIST

AMP-A

Note:

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

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

- Abbreviations
- CH : Chinese MY : Malaysia
- SP : Singapore TH : Thai
- IA : Indonesian KR : Korean

- 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.
- CAPACITORS:
uF: μ F

- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
*	1-666-070-11	AMP-A BOARD *****							< RESISTOR >				
		< CAPACITOR >					R901	1-249-417-11	CARBON	1K	5%	1/4W	F
							R902	1-249-437-11	CARBON	47K	5%	1/4W	
							R903	1-249-411-11	CARBON	330	5%	1/4W	
C900	1-162-306-11	CERAMIC	0.01uF	20%	16V							(EXCEPT IA)	
C901	1-126-961-11	ELECT	2.2uF	20%	50V		R903	1-249-412-11	CARBON	390	5%	1/4W	F
C902	1-162-294-31	CERAMIC	0.001uF	10%	50V							(IA)	
C903	1-162-282-31	CERAMIC	100PF	10%	50V		R904	1-249-437-11	CARBON	47K	5%	1/4W	
C904	1-126-967-11	ELECT	47uF	20%	50V		R906	1-249-429-11	CARBON	10K	5%	1/4W	
C905	1-126-967-11	ELECT	47uF	20%	50V		R907	1-249-429-11	CARBON	10K	5%	1/4W	
C906	1-136-495-11	FILM	0.068uF	5%	50V		R908	1-249-429-11	CARBON	10K	5%	1/4W	
C907	1-136-495-11	FILM	0.068uF	5%	50V		R909	1-249-429-11	CARBON	10K	5%	1/4W	
C932	1-128-552-51	ELECT	47uF	20%	63V		R910	1-249-397-11	CARBON	22	5%	1/4W	F
C933	1-128-581-11	ELECT	4.7uF	20%	63V		R911	1-249-397-11	CARBON	22	5%	1/4W	F
C934	1-128-552-51	ELECT	47uF	20%	63V		R913	1-249-417-11	CARBON	1K	5%	1/4W	F
C937	1-126-965-11	ELECT	22uF	20%	50V		R914	1-249-431-11	CARBON	15K	5%	1/4W	
C938	1-126-934-11	ELECT	220uF	20%	16V		R915	1-249-441-11	CARBON	100K	5%	1/4W	
C940	1-128-581-11	ELECT	4.7uF	20%	63V		△ R920	1-217-156-00	WIREWOUND	0.22	10%	5W	F
C951	1-126-961-11	ELECT	2.2uF	20%	50V	(EXCEPT TH)	△ R932	1-212-881-11	FUSIBLE	100	5%	1/4W	F
							R933	1-249-421-11	CARBON	2.2K	5%	1/4W	F
C952	1-162-294-31	CERAMIC	0.001uF	10%	50V		R934	1-249-421-11	CARBON	2.2K	5%	1/4W	F
C953	1-162-282-31	CERAMIC	100PF	10%	50V		R935	1-249-421-11	CARBON	2.2K	5%	1/4W	F
C954	1-126-967-11	ELECT	47uF	20%	50V		R936	1-249-421-11	CARBON	2.2K	5%	1/4W	F
C955	1-126-967-11	ELECT	47uF	20%	50V		R937	1-249-429-11	CARBON	10K	5%	1/4W	
C956	1-136-495-11	FILM	0.068uF	5%	50V								
C957	1-136-495-11	FILM	0.068uF	5%	50V		R938	1-247-883-00	CARBON	150K	5%	1/4W	
							R940	1-249-433-11	CARBON	22K	5%	1/4W	
							R941	1-249-429-11	CARBON	10K	5%	1/4W	
		< CONNECTOR >					R942	1-249-413-11	CARBON	470	5%	1/4W	F
CN902	1-564-524-11	PLUG, CONNECTOR 9P					△ R943	1-212-881-11	FUSIBLE	100	5%	1/4W	F
		< DIODE >					R944	1-249-417-11	CARBON	1K	5%	1/4W	F
							R945	1-249-417-11	CARBON	1K	5%	1/4W	F
D903	8-719-987-63	DIODE 1N4148M					R951	1-249-417-11	CARBON	1K	5%	1/4W	F
D953	8-719-987-63	DIODE 1N4148M					R952	1-249-437-11	CARBON	47K	5%	1/4W	
							R953	1-249-411-11	CARBON	330	5%	1/4W	
		< IC >					R953	1-249-412-11	CARBON	390	5%	1/4W	F
IC901	8-749-921-04	IC STK-4211MK-2										(IA)	
		< TRANSISTOR >					R954	1-249-437-11	CARBON	47K	5%	1/4W	
							R956	1-249-429-11	CARBON	10K	5%	1/4W	
							R957	1-249-429-11	CARBON	10K	5%	1/4W	
Q901	8-729-900-80	TRANSISTOR DTC114ES					R958	1-249-429-11	CARBON	10K	5%	1/4W	
Q902	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA					R959	1-249-429-11	CARBON	10K	5%	1/4W	
Q952	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA											
							R960	1-249-397-11	CARBON	22	5%	1/4W	F
							R961	1-249-397-11	CARBON	22	5%	1/4W	F
							R963	1-249-417-11	CARBON	1K	5%	1/4W	F
							R964	1-249-431-11	CARBON	15K	5%	1/4W	
							R965	1-249-441-11	CARBON	100K	5%	1/4W	
							△ R970	1-217-156-00	WIREWOUND	0.22	10%	5W	F
							△ R974	1-212-849-00	FUSIBLE	4.7	5%	1/4W	F

Ref. No.	Part No.	Description	Remarks			
*	1-666-060-11	AVIN BOARD *****				
< CAPACITOR >						
C6301	1-162-286-31	CERAMIC	220PF	10%	50V	
C6302	1-162-286-31	CERAMIC	220PF	10%	50V	
C6303	1-162-306-11	CERAMIC	0.01uF	20%	16V	
(EXCEPT IA)						
< CONNECTOR >						
CN6301	1-564-524-11	PLUG, CONNECTOR 9P (EXCEPT IA)				
* CN6301	1-564-522-11	PLUG, CONNECTOR 7P (IA)				
< DIODE >						
D6300	8-719-987-63	DIODE 1N4148M				
< JACK >						
J6301	1-779-583-11	JACK, PIN 3P (AV INPUT(VIDEO2))				
< RESISTOR >						
R6301	1-249-417-11	CARBON	1K	5%	1/4W	F
R6302	1-249-417-11	CARBON	1K	5%	1/4W	F
R6303	1-249-441-11	CARBON	100K	5%	1/4W	
R6304	1-249-441-11	CARBON	100K	5%	1/4W	
< RELAY >						
RY6300	1-515-622-11	RELAY				

*	1-666-062-11	JOG BOARD *****				
< DIODE >						
D512	8-719-046-44	DIODE SEL5221S (ENTER NEXT)				
D513	8-719-046-44	DIODE SEL5221S (→)				
D514	8-719-046-44	DIODE SEL5221S (←)				
< RESISTOR >						
R537	1-249-407-11	CARBON	150	5%	1/4W	F
R538	1-249-401-11	CARBON	47	5%	1/4W	F
R541	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R644	1-249-429-11	CARBON	10K	5%	1/4W	
R645	1-249-429-11	CARBON	10K	5%	1/4W	
< SWITCH >						
S534	1-762-751-11	SWITCH, TACTILE (ENTER/NEXT)				
S536	1-762-874-11	SWITCH, JOG (MULTI JOG STATION)				

Ref. No.	Part No.	Description	Remarks			
*	A-4403-284-A	KEY-CON BOARD,COMPLETE (MY,SP,KR,CH) *****				
*	A-4403-700-A	KEY-CON BOARD,COMPLETE (IA) *****				
*	A-4403-707-A	KEY-CON BOARD,COMPLETE (TH) *****				
< CAPACITOR >						
C6100	1-162-284-31	CERAMIC	150PF	10%	50V	
C6101	1-126-964-11	ELECT	10uF	20%	50V	
C6102	1-162-290-31	CERAMIC	470PF	10%	50V	
C6103	1-162-291-31	CERAMIC	560PF	10%	50V	
C6104	1-162-600-11	CERAMIC	0.0047uF	30%	16V	
C6106	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C6107	1-164-159-11	CERAMIC	0.1uF		50V	
C6108	1-164-159-11	CERAMIC	0.1uF		50V	
C6109	1-136-495-11	FILM	0.068uF	5%	50V	
C6110	1-136-495-11	FILM	0.068uF	5%	50V	
C6111	1-136-495-11	FILM	0.068uF	5%	50V	
C6112	1-162-286-31	CERAMIC	220PF	10%	50V	
C6113	1-162-286-31	CERAMIC	220PF	10%	50V	
C6114	1-162-294-31	CERAMIC	0.001uF	10%	50V	
C6115	1-164-159-11	CERAMIC	0.1uF		50V	
C6116	1-126-967-11	ELECT	47uF	20%	10V	
C6117	1-164-159-11	CERAMIC	0.1uF		50V	
C6118	1-124-584-00	ELECT	100uF	20%	10V	
C6119	1-126-964-11	ELECT	10uF	20%	50V	
C6120	1-126-964-11	ELECT	10uF	20%	50V	
C6121	1-126-964-11	ELECT	10uF	20%	50V	
C6123	1-162-306-11	CERAMIC	0.01uF	20%	16V	
< CONNECTOR >						
* CN6101	1-573-827-11	CONNECTOR, BOARD TO BOARD 13P				
< IC >						
IC6003	8-759-370-84	IC M65847FP				
IC6004	8-759-140-53	IC uPD4053BC				
< COIL >						
L6100	1-410-521-11	INDUCTOR	100uH			
< TRANSISTOR >						
Q6001	8-729-620-05	TRANSISTOR 2SC2603-EF				
Q6025	8-729-900-80	TRANSISTOR DTC114ES				
< RESISTOR >						
R6100	1-249-429-11	CARBON	10K	5%	1/4W	
R6101	1-247-807-31	CARBON	100	5%	1/4W	
R6102	1-249-417-11	CARBON	1K	5%	1/4W	
R6103	1-249-433-11	CARBON	22K	5%	1/4W	
R6104	1-249-429-11	CARBON	10K	5%	1/4W	
R6105	1-249-431-11	CARBON	15K	5%	1/4W	
R6106	1-249-424-11	CARBON	3.9K	5%	1/4W	
R6108	1-249-429-11	CARBON	10K	5%	1/4W	
R6109	1-249-425-11	CARBON	4.7K	5%	1/4W	
R6110	1-249-429-11	CARBON	10K	5%	1/4W	

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
R6111	1-247-903-00	CARBON	1M	5%	1/4W		C162	1-126-964-11	ELECT	10uF	20%	50V	
R6112	1-249-425-11	CARBON	4.7K	5%	1/4W F		C163	1-126-963-11	ELECT	4.7uF	20%	50V	
R6113	1-247-807-31	CARBON	100	5%	1/4W		C164	1-136-166-00	FILM	0.12uF	5%	50V	
R6115	1-249-441-11	CARBON	100K	5%	1/4W								(EXCEPT TH)
					(TH,IA)		C164	1-136-167-00	FILM	0.15uF	5%	50V	
R6116	1-249-433-11	CARBON	22K	5%	1/4W								(TH)
							C165	1-136-166-00	FILM	0.12uF	5%	50V	
R6117	1-249-433-11	CARBON	22K	5%	1/4W								(EXCEPT TH)
R6118	1-249-441-11	CARBON	100K	5%	1/4W		C165	1-136-167-00	FILM	0.15uF	5%	50V	
R6119	1-249-429-11	CARBON	10K	5%	1/4W								(TH)
R6119	1-249-441-11	CARBON	100K	5%	1/4W								
R6120	1-249-441-11	CARBON	100K	5%	1/4W		C166	1-126-961-11	ELECT	2.2uF	20%	50V	
							C171	1-162-303-11	CERAMIC	0.0033uF	30%	16V	
R6121	1-249-429-11	CARBON	10K	5%	1/4W								(TH)
R6124	1-249-417-11	CARBON	1K	5%	1/4W F		C181	1-162-292-31	CERAMIC	680PF	10%	50V	
*****							C182	1-126-960-11	ELECT	1uF	20%	50V	
							C183	1-126-961-11	ELECT	2.2uF	20%	50V	
*	A-4403-282-A	MAIN BOARD,COMPLETE (MY,SP,KR,CH)											

							C184	1-162-294-31	CERAMIC	0.001uF	10%	50V	
*	A-4403-694-A	MAIN BOARD,COMPLETE (IA)											

							C191	1-126-963-11	ELECT	4.7uF	20%	50V	
							C602	1-104-664-11	ELECT	47uF	20%	25V	
*	A-4403-704-A	MAIN BOARD,COMPLETE (TH)											

		< CAPACITOR >											
							C610	1-126-964-11	ELECT	10uF	20%	50V	
							C702	1-126-963-11	ELECT	4.7uF	20%	50V	
C101	1-136-167-00	FILM	0.15uF	5%	50V		C731	1-126-964-11	ELECT	10uF	20%	50V	
C102	1-162-294-31	CERAMIC	0.001uF	10%	50V		C732	1-126-964-11	ELECT	10uF	20%	50V	
C103	1-136-169-00	FILM	0.22uF	5%	50V		C752	1-126-963-11	ELECT	4.7uF	20%	50V	
C104	1-136-169-00	FILM	0.22uF	5%	50V								
C105	1-137-375-11	FILM	0.068uF	5%	50V		C801	1-136-165-00	FILM	0.1uF	5%	50V	
							C802	1-136-165-00	FILM	0.1uF	5%	50V	
C106	1-137-375-11	FILM	0.068uF	5%	50V		C803	1-104-482-11	ELECT	4700uF	20%	63V	
C107	1-137-440-11	FILM	0.018uF	5%	50V		C804	1-104-482-11	ELECT	4700uF	20%	63V	
C108	1-137-440-11	FILM	0.018uF	5%	50V								
C109	1-137-437-11	FILM	0.0056uF	5%	50V		C807	1-126-964-11	ELECT	10uF	20%	50V	
C110	1-130-479-00	MYLAR	0.0047uF	5%	50V		C808	1-126-948-11	ELECT	100uF	20%	35V	
							C852	1-126-923-11	ELECT	220uF	20%	10V	
C111	1-130-479-00	MYLAR	0.0047uF	5%	50V		C853	1-126-933-11	ELECT	100uF	20%	10V	
C112	1-126-964-11	ELECT	10uF	20%	50V		C858	1-126-967-11	ELECT	47uF	20%	10V	
C113	1-126-963-11	ELECT	4.7uF	20%	50V								
C114	1-136-166-00	FILM	0.12uF	5%	50V		C859	1-126-961-11	ELECT	2.2uF	20%	50V	
					(EXCEPT TH)		C860	1-126-964-11	ELECT	10uF	20%	50V	
C114	1-136-167-00	FILM	0.15uF	5%	50V								(EXCEPT TH)
					(TH)		C861	1-164-159-11	CERAMIC	0.1uF		50V	
C115	1-136-167-00	FILM	0.15uF	5%	50V								(EXCEPT TH)
					(TH)		C951	1-126-963-11	ELECT	4.7uF	20%	50V	
C115	1-136-166-00	FILM	0.12uF	5%	50V								(TH)
					(EXCEPT TH)		C2001	1-162-215-31	CERAMIC	47PF	5%	50V	
C116	1-126-961-11	ELECT	2.2uF	20%	50V		C2002	1-126-963-11	ELECT	4.7uF	20%	50V	
C117	1-162-306-11	CERAMIC	0.01uF	20%	16V		C2005	1-126-961-11	ELECT	2.2uF	20%	50V	
C118	1-126-964-11	ELECT	10uF	20%	50V		C2023	1-126-964-11	ELECT	10uF	20%	50V	
C120	1-126-959-11	ELECT	0.47uF	20%	50V		C2024	1-126-964-11	ELECT	10uF	20%	50V	
C122	1-126-934-11	ELECT	220uF	20%	16V		C2025	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C130	1-164-159-11	CERAMIC	0.1uF		50V		C2026	1-162-306-11	CERAMIC	0.01uF	20%	16V	
C153	1-136-169-00	FILM	0.22uF	5%	50V		C2051	1-162-215-31	CERAMIC	47PF	5%	50V	
C154	1-136-169-00	FILM	0.22uF	5%	50V		C2052	1-126-963-11	ELECT	4.7uF	20%	50V	
C155	1-137-375-11	FILM	0.068uF	5%	50V		C2055	1-126-961-11	ELECT	2.2uF	20%	50V	
C156	1-137-375-11	FILM	0.068uF	5%	50V		C3002	1-126-923-11	ELECT	220uF	20%	10V	
C157	1-137-440-11	FILM	0.018uF	5%	50V		C3003	1-136-164-00	FILM	0.082uF	5%	50V	
C158	1-137-440-11	FILM	0.018uF	5%	50V		C3004	1-162-303-11	CERAMIC	0.0033uF	30%	16V	
C159	1-137-437-11	FILM	0.0056uF	5%	50V		C3005	1-136-164-00	FILM	0.082uF	5%	50V	
C160	1-130-479-00	MYLAR	0.0047uF	5%	50V		C3006	1-126-959-11	ELECT	0.47uF	20%	50V	
C161	1-130-479-00	MYLAR	0.0047uF	5%	50V		C3007	1-126-964-11	ELECT	10uF	20%	50V	

MAIN

Ref. No.	Part No.	Description	Remarks
C3008	1-126-964-11	ELECT 10uF 20%	50V
C3009	1-162-294-31	CERAMIC 0.001uF 10%	50V
C3010	1-126-963-11	ELECT 4.7uF 20%	50V
C3011	1-126-961-11	ELECT 2.2uF 20%	50V
C3012	1-164-159-11	CERAMIC 0.1uF	50V
C3013	1-164-159-11	CERAMIC 0.1uF	50V
C3014	1-126-923-11	ELECT 220uF 20%	10V
C3015	1-136-159-00	FILM 0.033uF 5%	50V
C3016	1-124-252-00	ELECT 0.33uF 20%	50V
C3017	1-126-933-11	ELECT 100uF 20%	10V
C3018	1-162-292-31	CERAMIC 680PF 10%	50V
C3022	1-126-963-11	ELECT 4.7uF 20%	50V
C3023	1-136-173-00	FILM 0.47uF 5%	50V
C3024	1-126-967-11	ELECT 47uF 20%	10V
C3025	1-136-165-00	FILM 0.1uF 5%	50V
C3026	1-136-165-00	FILM 0.1uF 5%	50V
C3027	1-126-959-11	ELECT 0.47uF 20%	50V
C3028	1-126-963-11	ELECT 4.7uF 20%	50V
C3029	1-126-959-11	ELECT 0.47uF 20%	50V
C3030	1-126-963-11	ELECT 4.7uF 20%	50V
C3031	1-136-167-00	FILM 0.15uF 5%	50V
C3032	1-126-962-11	ELECT 3.3uF 20%	50V
C3033	1-136-167-00	FILM 0.15uF 5%	50V
C3034	1-136-157-00	FILM 0.022uF 5%	50V
C3035	1-136-161-00	FILM 0.047uF 5%	50V
C3036	1-126-923-11	ELECT 220uF 20%	10V
C3037	1-126-964-11	ELECT 10uF 20%	50V
C3038	1-126-964-11	ELECT 10uF 20%	50V
C3039	1-126-964-11	ELECT 10uF 20%	50V
C3040	1-126-964-11	ELECT 10uF 20%	50V
C3041	1-126-923-11	ELECT 220uF 20%	10V
C3042	1-126-962-11	ELECT 3.3uF 20%	50V
C3043	1-126-962-11	ELECT 3.3uF 20%	50V
C3044	1-136-165-00	FILM 0.1uF 5%	50V
C3045	1-136-165-00	FILM 0.1uF 5%	50V
C3046	1-126-959-11	ELECT 0.47uF 20%	50V
C3047	1-126-963-11	ELECT 4.7uF 20%	50V
C3048	1-126-959-11	ELECT 0.47uF 20%	50V
C3049	1-126-963-11	ELECT 4.7uF 20%	50V
C3050	1-136-167-00	FILM 0.15uF 5%	50V
C3051	1-126-962-11	ELECT 3.3uF 20%	50V
C3052	1-136-167-00	FILM 0.15uF 5%	50V
C3058	1-164-159-11	CERAMIC 0.1uF	50V
< CONNECTOR >			
CN102	1-564-506-11	PLUG, CONNECTOR 3P	
CN103	1-774-289-11	PIN, CONNECTOR (PC BOARD) 15P	
CN105	1-774-336-11	SOCKET, CONNECTOR(PC BOARD)14P	
CN106	1-774-336-11	SOCKET, CONNECTOR(PC BOARD)14P	
* CN811	1-569-498-11	SOCKET, CONNECTOR 12P	
CN2003	1-691-765-41	PLUG (MICRO CONNECTOR) 3P	
* CN6000	1-573-845-11	CONNECTOR, BOARD TO BOARD 13P	
* CN6002	1-568-937-11	PIN, CONNECTOR 10P	
CN6003	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P	
< CONNECTOR >			
* CNP701	1-764-017-21	HOUSING,CONNECTOR(PC BOARD)17P (SYSTEM CONTROL)	

Ref. No.	Part No.	Description	Remarks
< DIODE >			
D101	8-719-987-63	DIODE 1N4148M	
D102	8-719-987-63	DIODE 1N4148M	
D601	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D601	8-719-200-82	DIODE 11ES2 (TH,IA)	
D610	8-719-987-63	DIODE 1N4148M	
D670	8-719-987-63	DIODE 1N4148M	
D690	8-719-987-63	DIODE 1N4148M	
D691	8-719-987-63	DIODE 1N4148M	
D701	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D701	8-719-200-82	DIODE 11ES2 (TH,IA)	
D703	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D703	8-719-200-82	DIODE 11ES2 (TH,IA)	
D704	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D704	8-719-200-82	DIODE 11ES2 (TH,IA)	
D801	8-719-302-38	DIODE RBV-602-01	
D809	8-719-987-63	DIODE 1N4148M	
D810	8-719-987-63	DIODE 1N4148M	
D811	8-719-934-22	DIODE HZS30-2L	
D821	8-719-987-63	DIODE 1N4148M	
D824	8-719-200-82	DIODE 11ES2 (TH, A)	
D824	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D830	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D830	8-719-200-82	DIODE 11ES2 (TH,IA)	
D840	8-719-987-63	DIODE 1N4148M	
D841	8-719-987-63	DIODE 1N4148M	
D852	8-719-987-63	DIODE 1N4148M	
D1021	8-719-987-63	DIODE 1N4148M	
D2001	8-719-987-63	DIODE 1N4148M	
D2002	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D2002	8-719-200-82	DIODE 11ES2 (TH,IA)	
< TERMINAL >			
* E801	1-537-738-21	TERMINAL, EARTH	
< IC >			
IC101	8-759-634-51	IC M5218AP	
IC105	8-759-460-02	IC M62427FP-A	
IC701	8-759-000-47	IC MC14051BCP	
IC702	8-759-000-47	IC MC14051BCP	
IC850	8-759-111-68	IC uPC1237HA	
IC2001	8-759-634-50	IC M5218AL	
IC2002	8-759-281-42	IC TC9210P	
IC3000	8-759-442-97	IC LV1016	
IC3001	8-759-442-96	IC LA2786	
< JACK >			
J701	1-770-614-11	JACK, PIN 4P (MD/VIDEO)	
J901	1-779-379-11	JACK, PIN 2P (SUPER WOOFER/VIDEO OUT)	
< COIL >			
L3001	1-410-509-11	INDUCTOR 10uH	
L3002	1-410-509-11	INDUCTOR 10uH	

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
< TRANSISTOR >							R125	1-247-807-31	CARBON	100	5%	1/4W	
							R126	1-249-429-11	CARBON	10K	5%	1/4W	
Q111	8-729-119-78	TRANSISTOR	2SC403SP-51				R129	1-247-887-00	CARBON	220K	5%	1/4W	
Q111	8-729-620-05	TRANSISTOR	2SC2603-EF				R137	1-247-807-31	CARBON	100	5%	1/4W	
Q112	8-729-119-78	TRANSISTOR	2SC403SP-51				R138	1-247-807-31	CARBON	100	5%	1/4W	
Q112	8-729-620-05	TRANSISTOR	2SC2603-EF										
Q161	8-729-119-78	TRANSISTOR	2SC403SP-51				R139	1-247-807-31	CARBON	100	5%	1/4W	
Q161	8-729-620-05	TRANSISTOR	2SC2603-EF				R140	1-247-807-31	CARBON	100	5%	1/4W	
Q162	8-729-119-78	TRANSISTOR	2SC403SP-51				R141	1-247-807-31	CARBON	100	5%	1/4W	
Q162	8-729-620-05	TRANSISTOR	2SC2603-EF				R142	1-247-807-31	CARBON	100	5%	1/4W	
Q190	8-729-422-57	TRANSISTOR	UN4111				R151	1-249-429-11	CARBON	10K	5%	1/4W	
Q191	8-729-141-26	TRANSISTOR	2SC3622A-LK				R152	1-249-429-11	CARBON	10K	5%	1/4W	
Q192	8-729-141-26	TRANSISTOR	2SC3622A-LK				R153	1-249-429-11	CARBON	10K	5%	1/4W	
Q602	8-729-111-29	TRANSISTOR	2SD1616A-K				R154	1-249-429-11	CARBON	10K	5%	1/4W	
Q604	8-729-422-57	TRANSISTOR	UN4111				R155	1-249-429-11	CARBON	10K	5%	1/4W	
Q606	8-729-801-94	TRANSISTOR	2SD1387-4				R156	1-249-429-11	CARBON	10K	5%	1/4W	
Q801	8-729-141-83	TRANSISTOR	2SB1094-LK				R158	1-247-897-11	CARBON	560K	5%	1/4W	
Q810	8-729-900-80	TRANSISTOR	DTC114ES									(EXCEPT TH)	
Q856	8-729-900-80	TRANSISTOR	DTC114ES				R158	1-247-887-00	CARBON	220K	5%	1/4W	
Q857	8-729-900-63	TRANSISTOR	DTA124ES									(TH)	
Q2001	8-729-111-29	TRANSISTOR	2SD1616A-K				R159	1-249-419-11	CARBON	1.5K	5%	1/4W F	
												(EXCEPT TH)	
Q2010	8-729-141-26	TRANSISTOR	2SC3622A-LK				R159	1-249-417-11	CARBON	1K	5%	1/4W F	
Q2051	8-729-141-26	TRANSISTOR	2SC3622A-LK									(TH)	
Q2100	8-729-141-26	TRANSISTOR	2SC3622A-LK				R160	1-249-433-11	CARBON	22K	5%	1/4W	
							R161	1-249-441-11	CARBON	100K	5%	1/4W	
< RESISTOR >							R162	1-249-421-11	CARBON	2.2K	5%	1/4W F	
							R163	1-249-435-11	CARBON	33K	5%	1/4W	
R101	1-249-429-11	CARBON	10K	5%	1/4W		R165	1-249-439-11	CARBON	68K	5%	1/4W	
R102	1-249-429-11	CARBON	10K	5%	1/4W							(EXCEPT TH)	
R103	1-249-429-11	CARBON	10K	5%	1/4W								
R104	1-249-429-11	CARBON	10K	5%	1/4W		R165	1-249-441-11	CARBON	100K	5%	1/4W	
R105	1-249-429-11	CARBON	10K	5%	1/4W							(TH)	
							R167	1-249-441-11	CARBON	100K	5%	1/4W	
R108	1-247-897-11	CARBON	560K	5%	1/4W		R172	1-247-903-00	CARBON	1M	5%	1/4W	
					(EXCEPT TH)		R173	1-249-433-11	CARBON	22K	5%	1/4W	
R108	1-247-887-00	CARBON	220K	5%	1/4W							(EXCEPT IA)	
					(TH)		R173	1-249-431-11	CARBON	15K	5%	1/4W	
R109	1-249-419-11	CARBON	1.5K	5%	1/4W F							(IA)	
					(EXCEPT TH)								
R109	1-249-417-11	CARBON	1K	5%	1/4W F		R174	1-249-437-11	CARBON	47K	5%	1/4W	
					(TH)		R176	1-249-429-11	CARBON	10K	5%	1/4W	
R110	1-249-433-11	CARBON	22K	5%	1/4W		R177	1-249-437-11	CARBON	47K	5%	1/4W	
							R178	1-249-433-11	CARBON	22K	5%	1/4W	
R111	1-249-441-11	CARBON	100K	5%	1/4W							(EXCEPT TH)	
R112	1-249-421-11	CARBON	2.2K	5%	1/4W F		R178	1-249-437-11	CARBON	47K	5%	1/4W	
R113	1-249-435-11	CARBON	33K	5%	1/4W							(TH)	
R115	1-249-439-11	CARBON	68K	5%	1/4W		R180	1-249-429-11	CARBON	10K	5%	1/4W	
					(EXCEPT TH)		R181	1-247-895-00	CARBON	470K	5%	1/4W	
R115	1-249-441-11	CARBON	100K	5%	1/4W		R182	1-247-895-00	CARBON	470K	5%	1/4W	
					(TH)		R183	1-249-441-11	CARBON	100K	5%	1/4W	
R116	1-249-437-11	CARBON	47K	5%	1/4W		R184	1-249-429-11	CARBON	10K	5%	1/4W	
R117	1-247-903-00	CARBON	1M	5%	1/4W							(EXCEPT TH)	
R118	1-249-417-11	CARBON	1K	5%	1/4W F		R184	1-249-425-11	CARBON	4.7K	5%	1/4W F	
												(TH)	
R119	1-249-433-11	CARBON	22K	5%	1/4W		R185	1-249-425-11	CARBON	4.7K	5%	1/4W F	
					(EXCEPT TH)								
R119	1-249-437-11	CARBON	47K	5%	1/4W		R186	1-249-441-11	CARBON	100K	5%	1/4W	
					(TH)		R190	1-249-441-11	CARBON	100K	5%	1/4W	
R120	1-249-437-11	CARBON	47K	5%	1/4W		R191	1-249-417-11	CARBON	1K	5%	1/4W F	
R122	1-247-903-00	CARBON	1M	5%	1/4W		R192	1-249-425-11	CARBON	4.7K	5%	1/4W F	
R123	1-249-433-11	CARBON	22K	5%	1/4W		R195	1-249-425-11	CARBON	4.7K	5%	1/4W F	
					(EXCEPT IA)								
R123	1-249-431-11	CARBON	15K	5%	1/4W		R196	1-247-807-31	CARBON	100	5%	1/4W	
					(IA)		R601	1-249-425-11	CARBON	4.7K	5%	1/4W F	
R124	1-249-437-11	CARBON	47K	5%	1/4W		R602	1-249-429-11	CARBON	10K	5%	1/4W	
							R603	1-249-421-11	CARBON	2.2K	5%	1/4W F	
							R604	1-249-435-11	CARBON	33K	5%	1/4W	

MAIN

MIC ECHO

Ref. No.	Part No.	Description			Remarks
R620	1-249-431-11	CARBON	15K	5%	1/4W
R670	1-249-431-11	CARBON	15K	5%	1/4W
R690	1-249-432-11	CARBON	18K	5%	1/4W
R691	1-249-432-11	CARBON	18K	5%	1/4W
R702	1-249-417-11	CARBON	1K	5%	1/4W F
R703	1-249-441-11	CARBON	100K	5%	1/4W
R704	1-249-425-11	CARBON	4.7K	5%	1/4W F
R705	1-249-425-11	CARBON	4.7K	5%	1/4W F
R707	1-249-441-11	CARBON	100K	5%	1/4W
R710	1-249-417-11	CARBON	1K	5%	1/4W F
R711	1-249-417-11	CARBON	1K	5%	1/4W F (EXCEPT TH)
R751	1-249-417-11	CARBON	1K	5%	1/4W F (IA)
R752	1-249-417-11	CARBON	1K	5%	1/4W F (EXCEPT IA)
R753	1-249-441-11	CARBON	100K	5%	1/4W
R754	1-249-425-11	CARBON	4.7K	5%	1/4W F
R755	1-249-425-11	CARBON	4.7K	5%	1/4W F
R757	1-249-441-11	CARBON	100K	5%	1/4W
R760	1-249-417-11	CARBON	1K	5%	1/4W F
R761	1-249-417-11	CARBON	1K	5%	1/4W F (EXCEPT TH)
△ R801	1-212-982-00	FUSIBLE	100	5%	1/2W F
R804	1-249-417-11	CARBON	1K	5%	1/4W F (EXCEPT TH,IA)
R804	1-249-429-11	CARBON	10K	5%	1/4W (TH,IA)
R818	1-249-431-11	CARBON	15K	5%	1/4W
R819	1-249-431-11	CARBON	15K	5%	1/4W
R840	1-249-429-11	CARBON	10K	5%	1/4W
R851	1-249-430-11	CARBON	12K	5%	1/4W (EXCEPT TH,IA)
R853	1-249-397-11	CARBON	22	5%	1/4W F (EXCEPT TH,IA)
R853	1-247-791-91	CARBON	22	5%	1/4W (TH,IA)
R854	1-249-441-11	CARBON	100K	5%	1/4W
R856	1-249-429-11	CARBON	10K	5%	1/4W
R857	1-249-435-11	CARBON	33K	5%	1/4W
R858	1-249-437-11	CARBON	47K	5%	1/4W
R859	1-249-439-11	CARBON	68K	5%	1/4W
R860	1-249-425-11	CARBON	4.7K	5%	1/4W F (EXCEPT TH,IA)
R861	1-249-439-11	CARBON	68K	5%	1/4W
R862	1-249-437-11	CARBON	47K	5%	1/4W
△ R865	1-249-389-11	CARBON	4.7	5%	1/4W F
△ R870	1-215-887-00	METAL OXIDE	150	5%	2W F
R1001	1-249-429-11	CARBON	10K	5%	1/4W
R1002	1-249-429-11	CARBON	10K	5%	1/4W
R1020	1-249-425-11	CARBON	4.7K	5%	1/4W F
R1021	1-249-417-11	CARBON	1K	5%	1/4W F
R2001	1-249-417-11	CARBON	1K	5%	1/4W F
R2002	1-249-441-11	CARBON	100K	5%	1/4W
R2003	1-249-429-11	CARBON	10K	5%	1/4W
R2004	1-249-429-11	CARBON	10K	5%	1/4W
R2005	1-249-441-11	CARBON	100K	5%	1/4W
R2006	1-249-421-11	CARBON	2.2K	5%	1/4W F
R2007	1-249-425-11	CARBON	4.7K	5%	1/4W F
R2010	1-249-441-11	CARBON	100K	5%	1/4W
△ R2030	1-215-863-11	METAL OXIDE	100	5%	1W F

Ref. No.	Part No.	Description			Remarks
R2051	1-249-417-11	CARBON	1K	5%	1/4W F
R2052	1-249-441-11	CARBON	100K	5%	1/4W
R2053	1-249-431-11	CARBON	15K	5%	1/4W
R2054	1-249-429-11	CARBON	10K	5%	1/4W
R2055	1-249-441-11	CARBON	100K	5%	1/4W
R2056	1-249-421-11	CARBON	2.2K	5%	1/4W F
R2057	1-249-425-11	CARBON	4.7K	5%	1/4W F
R2060	1-249-441-11	CARBON	100K	5%	1/4W
R2101	1-249-425-11	CARBON	4.7K	5%	1/4W F
R2102	1-249-437-11	CARBON	47K	5%	1/4W
R3000	1-247-903-00	CARBON	1M	5%	1/4W
R3001	1-249-411-11	CARBON	330	5%	1/4W
R3002	1-249-432-11	CARBON	18K	5%	1/4W
R3006	1-249-436-11	CARBON	39K	5%	1/4W
R3007	1-249-436-11	CARBON	39K	5%	1/4W
R3008	1-249-417-11	CARBON	1K	5%	1/4W F
R3009	1-249-417-11	CARBON	1K	5%	1/4W F
R3010	1-249-417-11	CARBON	1K	5%	1/4W F
R3030	1-249-417-11	CARBON	1K	5%	1/4W F
R3031	1-249-441-11	CARBON	100K	5%	1/4W
R3040	1-249-417-11	CARBON	1K	5%	1/4W F
R3041	1-249-441-11	CARBON	100K	5%	1/4W
R3100	1-247-807-31	CARBON	100	5%	1/4W
R3107	1-249-441-11	CARBON	100K	5%	1/4W
R3207	1-249-441-11	CARBON	100K	5%	1/4W
< RELAY >					
RY801	1-515-920-11	RELAY (24V)			
RY2001	1-515-920-11	RELAY (24V)			
< TERMINAL >					
TB901	1-537-240-31	TERMINAL BOARD (CHECKER PIN)			(FRONT SPEAKER)
< VIBRATOR >					
X3001	1-579-952-21	VIBRATOR, CERAMIC 8MHz			

*	A-4403-207-A	MIC ECHO BOARD, COMPLETE (MY, SP, KR, CH)			*****
*	A-4403-689-A	MIC ECHO BOARD, COMPLETE (IA)			*****
*	A-4403-706-A	MIC ECHO BOARD, COMPLETE (TH)			*****
< CAPACITOR >					
C6001	1-162-306-11	CERAMIC	0.01uF	20%	16V
C6002	1-162-306-11	CERAMIC	0.01uF	20%	16V
C6003	1-124-257-00	ELECT	2.2uF	20%	50V
C6004	1-124-257-00	ELECT	2.2uF	20%	50V
C6005	1-162-215-31	CERAMIC	47PF	5%	50V
C6006	1-162-290-31	CERAMIC	470PF	10%	50V
C6008	1-126-160-11	ELECT	1uF	20%	50V
C6009	1-162-294-31	CERAMIC	0.001uF	10%	50V
C6010	1-136-495-11	FILM	0.068uF	5%	50V
C6011	1-104-664-11	ELECT	47uF	20%	25V

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

MIC ECHO

PANEL

VOLUME

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
C6012	1-126-160-11	ELECT	1uF 20% 50V	R6201	1-249-419-11	CARBON 1.5K 5% 1/4W F	
C6013	1-126-160-11	ELECT	1uF 20% 50V	R6202	1-249-418-11	CARBON 1.2K 5% 1/4W F	
C6014	1-104-664-11	ELECT	47uF 20% 25V	R6251	1-249-419-11	CARBON 1.5K 5% 1/4W F	
C6015	1-124-250-11	ELECT	0.15uF 20% 50V	R6252	1-249-418-11	CARBON 1.2K 5% 1/4W F	
C6016	1-162-305-11	CERAMIC	0.0068uF 30% 16V	< VARIABLE RESISTOR >			
C6017	1-136-495-11	FILM	0.068uF 5% 50V	RV6001	1-225-511-11	RES, VAR, CARBON 50K/50K	
C6018	1-162-305-11	CERAMIC	0.0068uF 30% 16V	(MIC LEVEL/ECHO LEVEL)			
C6019	1-162-294-31	CERAMIC	0.001uF 10% 50V	*****			
C6020	1-126-160-11	ELECT	1uF 20% 50V	* A-4403-285-A PANEL BOARD,COMPLETE (MY,SP,KR,CH)			
C6021	1-162-306-11	CERAMIC	0.01uF 20% 16V	*****			
C6023	1-162-215-31	CERAMIC	47PF 5% 50V	* A-4403-701-A PANEL BOARD,COMPLETE (IA)			
C6024	1-162-282-31	CERAMIC	100PF 10% 50V	*****			
C6025	1-124-257-00	ELECT	2.2uF 20% 50V	* A-4403-708-A PANEL BOARD,COMPLETE (TH)			
C6026	1-124-261-00	ELECT	10uF 20% 50V	*****			
C6027	1-124-261-00	ELECT	10uF 20% 50V	VOLUME BOARD			
C6028	1-162-306-11	CERAMIC	0.01uF 20% 16V	*****			
C6030	1-124-465-00	ELECT	0.47uF 20% 50V	* 4-932-810-11 CUSHION (FL)			
C6032	1-162-306-11	CERAMIC	0.01uF 20% 16V	* 4-986-870-01 HOLDER, FL TUBE			
C6033	1-162-306-11	CERAMIC	0.01uF 20% 16V	< CAPACITOR >			
< DIODE >				C501	1-164-159-11	CERAMIC 0.1uF 20% 50V	
D6001	8-719-987-63	DIODE 1N4148M		C502	1-164-159-11	CERAMIC 0.1uF 20% 50V	
D6002	8-719-987-63	DIODE 1N4148M		C503	1-162-203-31	CERAMIC 15PF 5% 50V	
D6003	8-719-987-63	DIODE 1N4148M		C504	1-162-205-31	CERAMIC 18PF 5% 50V	
< EARTH >				C505	1-124-261-00	ELECT 10uF 20% 50V	
* G6001	1-537-738-21	TERMINAL, EARTH		C506	1-137-399-11	FILM 0.1uF 5% 50V	
< IC >				C507	1-124-248-00	ELECT 22uF 20% 35V	
IC6001	8-759-634-51	IC M5218AP		C508	1-162-306-11	CERAMIC 0.01uF 20% 16V	
IC6002	8-759-450-96	IC M65850P		C509	1-124-261-00	ELECT 10uF 20% 50V	
< JACK >				C510	1-162-306-11	CERAMIC 0.01uF 20% 16V	
J6001	1-770-226-11	JACK (LARGE TYPE) (MIX MIC1)		C511	1-124-635-00	ELECT 220uF 20% 6.3V	
J6002	1-750-733-11	JACK (LARGE TYPE) (MIX MIC2)		C512	1-124-261-00	ELECT 10uF 20% 50V	
J6003	1-770-226-11	JACK (LARGE TYPE) (PHONES)		C514	1-124-261-00	ELECT 10uF 20% 50V	
< RESISTOR >				C515	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R6001	1-249-429-11	CARBON 10K 5% 1/4W		C516	1-124-261-00	ELECT 10uF 20% 50V	
R6002	1-249-429-11	CARBON 10K 5% 1/4W		C517	1-137-374-11	FILM 0.047uF 5% 50V	
R6003	1-249-417-11	CARBON 1K 5% 1/4W F		C518	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R6004	1-249-417-11	CARBON 1K 5% 1/4W F		C519	1-124-464-11	ELECT 0.22uF 20% 50V	
R6005	1-249-417-11	CARBON 1K 5% 1/4W F		C520	1-137-371-11	FILM 0.015uF 5% 50V	
R6006	1-249-425-11	CARBON 4.7K 5% 1/4W F		C521	1-124-463-00	ELECT 0.1uF 20% 50V	
R6007	1-249-433-11	CARBON 22K 5% 1/4W		C522	1-164-159-11	CERAMIC 0.1uF 20% 50V	
R6008	1-249-433-11	CARBON 22K 5% 1/4W		C523	1-162-302-11	CERAMIC 0.0022uF 30% 16V	
R6009	1-249-433-11	CARBON 22K 5% 1/4W		C524	1-162-301-11	CERAMIC 0.0015uF 30% 16V	
R6010	1-247-881-00	CARBON 120K 5% 1/4W		C525	1-162-288-31	CERAMIC 330PF 10% 50V	
R6011	1-249-437-11	CARBON 47K 5% 1/4W		C526	1-164-159-11	CERAMIC 0.1uF 20% 50V	
R6012	1-249-433-11	CARBON 22K 5% 1/4W		C527	1-164-159-11	CERAMIC 0.1uF 20% 50V	
R6013	1-249-433-11	CARBON 22K 5% 1/4W		C528	1-104-905-11	CAPACITOR 0.22F 20% 5.5V	
R6014	1-249-433-11	CARBON 22K 5% 1/4W		C544	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R6015	1-249-417-11	CARBON 1K 5% 1/4W F		C545	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R6016	1-247-843-11	CARBON 3.3K 5% 1/4W		C546	1-162-306-11	CERAMIC 0.01uF 20% 16V	
R6017	1-249-417-11	CARBON 1K 5% 1/4W F		C549	1-162-284-31	CERAMIC 150PF 10% 50V	
R6018	1-247-881-00	CARBON 120K 5% 1/4W		C550	1-162-286-31	CERAMIC 220PF 10% 50V	
R6019	1-247-807-31	CARBON 100 5% 1/4W		C610	1-164-159-11	CERAMIC 0.1uF 20% 50V	
R6030	1-247-895-00	CARBON 470K 5% 1/4W		< CONNECTOR >			
				CN501	1-774-342-11	PLUG, CONNECTOR (PC BOARD) 14P	
				CN502	1-774-342-11	PLUG, CONNECTOR (PC BOARD) 14P	

Ref. No.	Part No.	Description	Remarks
< DIODE >			
D505	8-719-023-94	DIODE SEL6910A-TH12 (KEY CONTROL-#)	
D506	8-719-023-94	DIODE SEL6910A-TH12 (KEY CONTROL-b)	
D508	8-719-046-36	DIODE SEL5921A-TH15 (DOLBY PROLOGIC)	
D509	8-719-046-36	DIODE SEL5921A-TH15 (C.MODE)	
D510	8-719-046-36	DIODE SEL5921A-TH15 (DOLBY PROLOGIC)	
D511	8-719-987-63	DIODE 1N4148M	
D518	8-719-046-39	DIODE SEL5821A-TH15 (VCD)	
D519	8-719-046-39	DIODE SEL5821A-TH15 (PBC)	
D520	8-719-046-39	DIODE SEL5821A-TH15 (AUTO PBC)	
D521	8-719-046-80	DIODE SML19416W-TP4 (MOVIE)	
D522	8-719-046-39	DIODE SEL5821A-TH15 (DNR)	
D523	8-719-046-80	DIODE SML19416W-TP4 (P FILE)	
D524	8-719-046-80	DIODE SML19416W-TP4 (P FILE)	
D525	8-719-046-80	DIODE SML19416W-TP4 (GAME)	
D526	8-719-046-80	DIODE SML19416W-TP4 (GAME)	
D527	8-719-046-80	DIODE SML19416W-TP4 (MOVIE)	
D528	8-719-046-80	DIODE SML19416W-TP4 (MUSIC)	
D529	8-719-046-39	DIODE SEL5821A-TH15 (CD)	
D530	8-719-046-39	DIODE SEL5821A-TH15 (TUNER)	
D531	8-719-046-39	DIODE SEL5821A-TH15 (TIMER)	
D532	8-719-046-80	DIODE SML19416W-TP4 (MUSIC)	
D533	8-719-046-39	DIODE SEL5821A-TH15 (EFFECT)	
D534	8-719-046-44	DIODE SEL5221S (EFFECT ON/OFF)	
D535	8-719-046-36	DIODE SEL5921A-TH15 (C.MODE)	
D536	8-719-032-86	DIODE SEL5420E (TUNER BAND)	
D537	8-719-032-86	DIODE SEL5420E (TUNER BAND)	
D538	8-719-046-44	DIODE SEL5221S (GROOVE)	
D539	8-719-046-44	DIODE SEL5221S (GROOVE)	
D540	8-719-046-36	DIODE SEL5921A-TH15 (DBFB)	
D541	8-719-046-36	DIODE SEL5921A-TH15 (DBFB)	
D542	8-719-064-63	DIODE SELU5823A-TP15	
D543	8-719-064-63	DIODE SELU5823A-TP15	
D575	8-719-987-63	DIODE 1N4148M	
D576	8-719-987-63	DIODE 1N4148M	
D579	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D579	8-719-200-82	DIODE 11ES2 (TH,IA)	
D580	8-719-987-63	DIODE 1N4148M	
D581	8-719-987-63	DIODE 1N4148M	
D582	8-719-014-73	DIODE UZP-5.6BC-TP	
D583	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT TH,IA)	
D583	8-719-200-82	DIODE 11ES2 (TH,IA)	
D585	8-719-987-63	DIODE 1N4148M	
D586	8-719-987-63	DIODE 1N4148M	
D587	8-719-987-63	DIODE 1N4148M	
D588	8-719-987-63	DIODE 1N4148M	
D589	8-719-987-63	DIODE 1N4148M	
< FILTER >			
FL501	1-517-618-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC501	8-759-483-31	IC TMP87CM75F-6623	
IC502	8-759-332-18	IC GP1U27XB	
IC503	8-759-165-82	IC PST600E-T	
IC504	8-759-372-64	IC M66313FP-200C	
< COIL >			
L502	1-408-074-00	INDUCTOR 56uH	

Ref. No.	Part No.	Description	Remarks
< TRANSISTOR >			
Q501	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q502	8-729-422-57	TRANSISTOR UN4111	
Q503	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q504	8-729-422-57	TRANSISTOR UN4111	
Q505	8-729-422-57	TRANSISTOR UN4111	
Q506	8-729-422-57	TRANSISTOR UN4111	
Q507	8-729-422-57	TRANSISTOR UN4111	
Q508	8-729-422-57	TRANSISTOR UN4111	
Q509	8-729-422-57	TRANSISTOR UN4111	
Q510	8-729-422-57	TRANSISTOR UN4111	
< RESISTOR >			
R501	1-249-407-11	CARBON 150 5%	1/4W F
R502	1-249-409-11	CARBON 220 5%	1/4W F
R503	1-249-411-11	CARBON 330 5%	1/4W
R504	1-249-413-11	CARBON 470 5%	1/4W F
R505	1-249-415-11	CARBON 680 5%	1/4W F
R506	1-249-417-11	CARBON 1K 5%	1/4W F
R507	1-249-407-11	CARBON 150 5%	1/4W F
R508	1-249-411-11	CARBON 330 5%	1/4W
R511	1-249-407-11	CARBON 150 5%	1/4W F
R512	1-249-409-11	CARBON 220 5%	1/4W F
R513	1-249-411-11	CARBON 330 5%	1/4W
R514	1-249-413-11	CARBON 470 5%	1/4W F
R515	1-249-415-11	CARBON 680 5%	1/4W F
R516	1-249-417-11	CARBON 1K 5%	1/4W F
R517	1-249-419-11	CARBON 1.5K 5%	1/4W F
R518	1-249-421-11	CARBON 2.2K 5%	1/4W F
R519	1-247-843-11	CARBON 3.3K 5%	1/4W
R520	1-249-427-11	CARBON 6.8K 5%	1/4W F
R521	1-249-431-11	CARBON 15K 5%	1/4W
R522	1-249-437-11	CARBON 47K 5%	1/4W
R523	1-249-413-11	CARBON 470 5%	1/4W F
R524	1-249-415-11	CARBON 680 5%	1/4W F
R525	1-249-417-11	CARBON 1K 5%	1/4W F
R526	1-249-419-11	CARBON 1.5K 5%	1/4W F
R527	1-249-421-11	CARBON 2.2K 5%	1/4W F
R528	1-247-843-11	CARBON 3.3K 5%	1/4W
R529	1-249-427-11	CARBON 6.8K 5%	1/4W F
R530	1-249-431-11	CARBON 15K 5%	1/4W
R531	1-249-437-11	CARBON 47K 5%	1/4W
R532	1-249-409-11	CARBON 220 5%	1/4W F
R534	1-247-807-31	CARBON 100 5%	1/4W
R535	1-249-407-11	CARBON 150 5%	1/4W F
R542	1-249-407-11	CARBON 150 5%	1/4W F
R543	1-249-407-11	CARBON 150 5%	1/4W F
R544	1-249-407-11	CARBON 150 5%	1/4W F
R545	1-249-407-11	CARBON 150 5%	1/4W F
R550	1-249-407-11	CARBON 150 5%	1/4W F
R551	1-249-407-11	CARBON 150 5%	1/4W F
R552	1-249-407-11	CARBON 150 5%	1/4W F
R553	1-249-407-11	CARBON 150 5%	1/4W F
R554	1-249-413-11	CARBON 470 5%	1/4W F
R555	1-249-401-11	CARBON 47 5%	1/4W F
R556	1-247-807-31	CARBON 100 5%	1/4W
R557	1-249-399-11	CARBON 33 5%	1/4W F
R558	1-249-399-11	CARBON 33 5%	1/4W F

PANEL

VOLUME

Ref. No.	Part No.	Description				Remarks	Ref. No.	Part No.	Description				Remarks
R559	1-247-807-31	CARBON	100	5%	1/4W		R631	1-249-435-11	CARBON	33K	5%	1/4W	
R560	1-247-807-31	CARBON	100	5%	1/4W		R632	1-249-437-11	CARBON	47K	5%	1/4W	
R561	1-247-807-31	CARBON	100	5%	1/4W		R633	1-247-903-00	CARBON	1M	5%	1/4W	
R563	1-247-807-31	CARBON	100	5%	1/4W		R634	1-249-437-11	CARBON	47K	5%	1/4W	
R564	1-247-807-31	CARBON	100	5%	1/4W		R635	1-247-903-00	CARBON	1M	5%	1/4W	
R565	1-247-807-31	CARBON	100	5%	1/4W		R636	1-249-435-11	CARBON	33K	5%	1/4W	
R566	1-247-807-31	CARBON	100	5%	1/4W		R637	1-249-429-11	CARBON	10K	5%	1/4W	
R567	1-247-807-31	CARBON	100	5%	1/4W		R638	1-249-437-11	CARBON	47K	5%	1/4W	
R568	1-247-807-31	CARBON	100	5%	1/4W		R639	1-249-437-11	CARBON	47K	5%	1/4W	
R569	1-247-807-31	CARBON	100	5%	1/4W		R640	1-247-903-00	CARBON	1M	5%	1/4W	
R570	1-247-807-31	CARBON	100	5%	1/4W		R641	1-247-903-00	CARBON	1M	5%	1/4W	
R571	1-247-807-31	CARBON	100	5%	1/4W		R642	1-249-431-11	CARBON	15K	5%	1/4W	
R572	1-247-807-31	CARBON	100	5%	1/4W		R642	1-249-429-11	CARBON	10K	5%	1/4W	(EXCEPT TH)
R573	1-247-807-31	CARBON	100	5%	1/4W								(TH)
R574	1-247-807-31	CARBON	100	5%	1/4W		R643	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R575	1-247-807-31	CARBON	100	5%	1/4W		R662	1-247-903-00	CARBON	1M	5%	1/4W	
R576	1-247-807-31	CARBON	100	5%	1/4W		R663	1-247-903-00	CARBON	1M	5%	1/4W	
R577	1-247-807-31	CARBON	100	5%	1/4W		R664	1-247-903-00	CARBON	1M	5%	1/4W	
R578	1-247-807-31	CARBON	100	5%	1/4W		R665	1-247-903-00	CARBON	1M	5%	1/4W	
R579	1-249-399-11	CARBON	33	5%	1/4W	F	R666	1-249-417-11	CARBON	1K	5%	1/4W	F
R580	1-249-425-11	CARBON	4.7K	5%	1/4W	F	R667	1-247-807-31	CARBON	100	5%	1/4W	
R580	1-249-427-11	CARBON	6.8K	5%	1/4W	F	< SWITCH >						
R581	1-249-425-11	CARBON	4.7K	5%	1/4W	F	S501	1-762-751-11	SWITCH, TACTILE (MOVIE)				
R581	1-249-427-11	CARBON	6.8K	5%	1/4W	F	S502	1-762-751-11	SWITCH, TACTILE (MUSIC)				
R582	1-249-429-11	CARBON	10K	5%	1/4W		S503	1-762-751-11	SWITCH, TACTILE (EFFECT ON/OFF)				
R583	1-249-403-11	CARBON	68	5%	1/4W	F	S504	1-762-751-11	SWITCH, TACTILE (LOW FREQ)				
R584	1-249-403-11	CARBON	68	5%	1/4W	F	S505	1-762-751-11	SWITCH, TACTILE (MEMORY)				
R585	1-249-403-11	CARBON	68	5%	1/4W	F	S506	1-762-751-11	SWITCH, TACTILE (TUNING MODE)				
R586	1-249-403-11	CARBON	68	5%	1/4W	F	S507	1-762-751-11	SWITCH, TACTILE (FLASH)				
R587	1-249-403-11	CARBON	68	5%	1/4W	F	S508	1-762-751-11	SWITCH, TACTILE (POWER)				
R588	1-249-403-11	CARBON	68	5%	1/4W	F	S512	1-762-751-11	SWITCH, TACTILE (GAME)				
R589	1-249-403-11	CARBON	68	5%	1/4W	F	S513	1-762-751-11	SWITCH, TACTILE (P FILE)				
R590	1-249-403-11	CARBON	68	5%	1/4W	F	S514	1-762-751-11	SWITCH, TACTILE (MEMO)				
R601	1-249-433-11	CARBON	22K	5%	1/4W		S515	1-762-751-11	SWITCH, TACTILE (HIGH FREQ)				
R602	1-249-437-11	CARBON	47K	5%	1/4W		S516	1-762-751-11	SWITCH, TACTILE (REPEAT)				
R603	1-249-437-11	CARBON	47K	5%	1/4W		S517	1-762-751-11	SWITCH, TACTILE (1/ALL DISCS)				
R604	1-249-429-11	CARBON	10K	5%	1/4W		S518	1-762-751-11	SWITCH, TACTILE (PLAY MODE)				
R605	1-249-441-11	CARBON	100K	5%	1/4W		S519	1-762-751-11	SWITCH, TACTILE (EDIT)				
R606	1-249-425-11	CARBON	4.7K	5%	1/4W	F	S520	1-762-751-11	SWITCH, TACTILE (DBFB)				
R610	1-249-429-11	CARBON	10K	5%	1/4W		S521	1-762-751-11	SWITCH, TACTILE (GROOVE)				
R611	1-249-429-11	CARBON	10K	5%	1/4W		S522	1-762-751-11	SWITCH, TACTILE (FUNCTION)				
R613	1-249-429-11	CARBON	10K	5%	1/4W		S523	1-762-751-11	SWITCH, TACTILE (MONO/ST)				
R614	1-249-409-11	CARBON	220	5%	1/4W	F	S524	1-762-751-11	SWITCH, TACTILE (TUNER BAND)				
R615	1-249-409-11	CARBON	220	5%	1/4W	F	S525	1-762-751-11	SWITCH, TACTILE (TIMER SELECT)				
R616	1-247-843-11	CARBON	3.3K	5%	1/4W		S526	1-762-751-11	SWITCH, TACTILE (CLOCK TIMER SELECT)				
R617	1-247-843-11	CARBON	3.3K	5%	1/4W		S527	1-762-751-11	SWITCH, TACTILE (DOLBY PROLOGIC)				
R618	1-247-843-11	CARBON	3.3K	5%	1/4W		S528	1-762-751-11	SWITCH, TACTILE (C.MODE)				
R619	1-249-429-11	CARBON	10K	5%	1/4W		S529	1-762-751-11	SWITCH, TACTILE (KEY CONTROL-#)				
R620	1-249-429-11	CARBON	10K	5%	1/4W		S530	1-762-751-11	SWITCH, TACTILE (KEY CONTROL-b)				
R621	1-249-429-11	CARBON	10K	5%	1/4W		S531	1-762-751-11	SWITCH, TACTILE (KARAOKE PON/MIX)				
R622	1-249-429-11	CARBON	10K	5%	1/4W		S532	1-762-751-11	SWITCH, TACTILE (DSP)				
R623	1-249-429-11	CARBON	10K	5%	1/4W		S533	1-762-751-11	SWITCH, TACTILE (LOOP)				
R624	1-249-429-11	CARBON	10K	5%	1/4W		S535	1-467-869-11	ENCODER, ROTARY (VOLUME)				
R630	1-249-435-11	CARBON	33K	5%	1/4W		S537	1-762-751-11	SWITCH, TACTILE (WAVE)				
							S538	1-762-751-11	SWITCH, TACTILE (DISPLAY/DEMO)				
							< VIBRATOR >						
							X501	1-579-125-11	VIBRATOR, CERAMIC 5MHz				
							X502	1-567-098-41	VIBRATOR, CRYSTAL 32kHz				

PRI	SEC	SORROUND AMP
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Ref. No.	Part No.	Description	Remarks
*	1-666-069-11	PRI BOARD *****	
	1-532-293-11	FUSE HOLDER < CONNECTOR >	
CN851	1-564-321-00	PIN, CONNECTOR 2P < FUSE >	
△ F851	1-532-465-51	FUSE, TIME LAG 3.15A 250V	
△ F852	1-532-506-51	FUSE, TIME LAG 6.3A 250V < SWITCH >	
△ VS851	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(EXCEPT TH,KR) *****	
*	1-666-059-11	SEC BOARD *****	
	1-533-293-11	FUSE HOLDER < CONNECTOR >	
* CN852	1-564-527-11	PLUG, CONNECTOR 12P < FUSE >	
△ F853	1-532-504-51	FUSE, TIME LAG 4A 125V	
△ F854	1-532-504-51	FUSE, TIME LAG 4A 125V	
△ F855	1-533-595-31	MICRO FUSE 3.15A	
△ F856	1-533-595-31	MICRO FUSE 3.15A	
△ F857	1-532-506-51	FUSE, TIME LAG 6.3A 250V	
△ F858	1-532-506-51	FUSE, TIME LAG 6.3A 250V *****	
*	A-4398-466-A	SORROUND AMP BOARD,COMPLET (MY,SP,KR,CH) *****	
*	A-4403-217-A	SORROUND AMP BOARD,COMPLET (TH) *****	
*	A-4403-699-A	SORROUND AMP BOARD,COMPLET (IA) ***** < CAPACITOR >	
C4000	1-162-306-11	CERAMIC 0.01uF 20% 16V	
C4001	1-126-961-11	ELECT 2.2uF 20% 50V	
C4002	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C4003	1-162-282-31	CERAMIC 100PF 10% 50V	
C4004	1-126-964-11	ELECT 10uF 20% 50V	
C4005	1-126-964-11	ELECT 10uF 20% 50V	
C4006	1-136-165-00	FILM 0.1uF 5% 50V	
C4007	1-136-165-00	FILM 0.1uF 5% 50V	
C4010	1-126-967-11	ELECT 47uF 20% 50V	
C4011	1-126-963-11	ELECT 4.7uF 20% 50V	
C4012	1-126-965-11	ELECT 22uF 20% 50V	
C4013	1-126-967-11	ELECT 47uF 20% 50V	
C4040	1-126-963-11	ELECT 4.7uF 20% 50V	
C4051	1-126-961-11	ELECT 2.2uF 20% 50V	
C4052	1-162-294-31	CERAMIC 0.001uF 10% 50V	
C4053	1-162-282-31	CERAMIC 100PF 10% 50V	
C4054	1-126-964-11	ELECT 10uF 20% 50V	
C4055	1-126-964-11	ELECT 10uF 20% 50V	
C4056	1-136-165-00	FILM 0.1uF 5% 50V	
C4057	1-136-165-00	FILM 0.1uF 5% 50V	

Ref. No.	Part No.	Description	Remarks
		< CONNECTOR >	
* CN4001	1-564-522-11	PLUG, CONNECTOR 7P < DIODE >	
D4003	8-719-987-63	DIODE 1N4148M	
D4053	8-719-987-63	DIODE 1N4148M < IC >	
IC4001	8-749-900-96	IC STK-4142MK2 < TRANSISTOR >	
Q4002	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q4052	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA < RESISTOR >	
R4001	1-249-417-11	CARBON 1K 5% 1/4W F	
R4002	1-249-437-11	CARBON 47K 5% 1/4W	
R4003	1-249-413-11	CARBON 470 5% 1/4W F	
R4004	1-249-437-11	CARBON 47K 5% 1/4W	
R4006	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4007	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4008	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4009	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4010	1-249-397-11	CARBON 22 5% 1/4W F	
R4011	1-249-397-11	CARBON 22 5% 1/4W F	
R4013	1-249-417-11	CARBON 1K 5% 1/4W F	
R4014	1-249-431-11	CARBON 15K 5% 1/4W	
R4015	1-249-441-11	CARBON 100K 5% 1/4W	
△ R4020	1-208-602-11	WIREWOUND 0.22 10% 2W F	
△ R4021	1-212-849-00	FUSIBLE 4.7 5% 1/4W F	
△ R4032	1-212-881-11	FUSIBLE 100 5% 1/4W F	
R4033	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R4034	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R4035	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R4036	1-249-421-11	CARBON 2.2K 5% 1/4W F	
△ R4043	1-212-881-11	FUSIBLE 100 5% 1/4W F	
R4051	1-249-417-11	CARBON 1K 5% 1/4W F	
R4052	1-249-437-11	CARBON 47K 5% 1/4W	
R4053	1-249-413-11	CARBON 470 5% 1/4W F	
R4054	1-249-437-11	CARBON 47K 5% 1/4W	
R4056	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4057	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4058	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4059	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R4060	1-249-397-11	CARBON 22 5% 1/4W F	
R4061	1-249-397-11	CARBON 22 5% 1/4W F	
R4063	1-249-417-11	CARBON 1K 5% 1/4W F	
R4064	1-249-431-11	CARBON 15K 5% 1/4W	
R4065	1-249-441-11	CARBON 100K 5% 1/4W	
△ R4070	1-208-602-11	WIREWOUND 0.22 10% 2W F *****	

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	Remarks
*	A-4398-997-A	SUPPLY POWER BOARD, COMPLETE (MY, SP, KR, CH)	

*	A-4403-693-A	SUPPLY POWER BOARD, COMPLETE (IA)	

*	A-4403-215-A	SUPPLY POWER BOARD, COMPLETE (TH)	

< CAPACITOR >			
C809	1-104-664-11	ELECT 47uF 20% 25V	
C811	1-126-933-11	ELECT 100uF 20% 16V	
C812	1-104-664-11	ELECT 47uF 20% 25V	
C813	1-126-967-11	ELECT 47uF 20% 10V	
C816	1-104-664-11	ELECT 47uF 20% 25V	
C817	1-126-933-11	ELECT 100uF 20% 10V	
C818	1-104-664-11	ELECT 47uF 20% 25V	
C819	1-126-967-11	ELECT 47uF 20% 10V	
C820	1-126-967-11	ELECT 47uF 20% 50V	
C831	1-126-974-11	ELECT 3300uF 20% 50V	
C832	1-126-974-11	ELECT 3300uF 20% 50V	
C835	1-136-165-00	FILM 0.1uF 5% 50V	
C836	1-136-165-00	FILM 0.1uF 5% 50V	
< CONNECTOR >			
* CN810	1-569-507-11	PIN, CONNECTOR 12P	
< DIODE >			
D802	8-719-028-23	DIODE D3SBA20-4101	
D807	8-719-000-81	DIODE UZL-7L3	
D808	8-719-933-50	DIODE HZS7C2L	
D812	8-719-933-50	DIODE HZS7C2L	
D813	8-719-001-57	DIODE UZL-11H3-TP	
< TRANSISTOR >			
Q802	8-729-209-15	TRANSISTOR 2SD2012	
Q804	8-729-209-15	TRANSISTOR 2SD2012	
Q805	8-729-141-83	TRANSISTOR 2SB1094-LK	
Q806	8-729-209-15	TRANSISTOR 2SD2012	
Q8004	8-729-620-05	TRANSISTOR 2SC2603-EF	
< RESISTOR >			
R805	1-249-421-11	CARBON 2.2K 5% 1/4W F	
R807	1-249-417-11	CARBON 1K 5% 1/4W F	
△ R808	1-212-962-00	FUSIBLE 15 5% 1/2W F	
R809	1-249-421-11	CARBON 2.2K 5% 1/4W F	
△ R810	1-213-036-51	FUSIBLE 1 5% 1W F	
△ R811	1-212-962-00	FUSIBLE 15 5% 1/2W F	
△ R813	1-213-060-51	FUSIBLE 10 5% 1W F	
R820	1-249-419-11	CARBON 1.5K 5% 1/4W F	
R821	1-249-419-11	CARBON 1.5K 5% 1/4W F	
△ R830	1-216-446-00	METAL OXIDE 18 5% 2W F (EXCEPT TH)	

Ref. No.	Part No.	Description	Remarks
△ R830	1-215-881-11	METAL OXIDE 15 5% 2W F (TH)	
△ R831	1-216-446-00	METAL OXIDE 18 5% 2W F (EXCEPT TH)	
△ R831	1-215-881-11	METAL OXIDE 15 5% 2W F (TH)	
△ R832	1-216-446-00	METAL OXIDE 18 5% 2W F (EXCEPT TH)	
△ R832	1-215-881-11	METAL OXIDE 15 5% 2W F	
△ R833	1-216-446-00	METAL OXIDE 18 5% 2W F (EXCEPT TH)	
△ R833	1-215-881-11	METAL OXIDE 15 5% 2W F (TH)	
△ R834	1-216-446-00	METAL OXIDE 18 5% 2W F (EXCEPT TH)	
△ R834	1-215-881-11	METAL OXIDE 15 5% 2W F (TH)	
△ R835	1-216-446-00	METAL OXIDE 18 5% 2W F (EXCEPT TH)	
△ R835	1-215-881-11	METAL OXIDE 15 5% 2W F (TH)	
△ R836	1-215-884-11	METAL OXIDE 47 5% 2W F (EXCEPT TH)	
△ R836	1-215-885-00	METAL OXIDE 68 5% 2W F (TH)	

*	1-666-071-11	SUR BOARD *****	
< CAPACITOR >			
C601	1-162-306-11	CERAMIC 0.01uF 20% 16V	
< CONNECTOR >			
CN601	1-564-506-11	PLUG, CONNECTOR 3P	
CN6004	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P	

MISCELLANEOUS *****			
6	1-233-545-21	ENCAPSULATED COMPONENT (TH)	
6	1-233-546-21	ENCAPSULATED COMPONENT (EXCEPT TH)	
△ 12	1-751-326-31	CORD, POWER (TH)	
△ 12	1-769-079-21	CORD, POWER (KR)	
△ 12	1-777-071-21	CORD, POWER (MY, SP)	
△ 12	1-782-315-11	CORD, POWER (IA)	
△ 12	1-782-464-21	CORD, POWER (CH)	
△ 13	1-569-007-11	ADAPTOR, CONVERSION 2P (IA)	
△ 13	1-569-008-21	ADAPTOR, CONVERSION 2P (MY, SP)	
M601	1-698-792-11	FAN, DC	
△ T901	1-431-363-11	TRANSFORMER, POWER	

***** HARDWARE LIST *****			
#1	7-685-872-09	SCREW +BVTT 3X8 (S)	
#2	7-685-881-09	SCREW +BVTT 4X8 (S)	
#3	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
#4	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#5	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	

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

STR-V7700

SONY

E model
Chinese Model

SERVICE MANUAL

CORRECTION-1

Correct your service manual as shown below.

Subject: CORRECTION OF PARTS LIST

Page	INCORRECT			CORRECT		
	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>
45	△F837	_____	_____	△F837	1-533-591-31	IC LINK (1.25 A)