

# STR-V5500

## SERVICE MANUAL

*E Model*  
*Chinese Model*



STR-V5500 is RECEIVER section in  
MHC-V5500.

Manufactured under license from Dolby Laboratories  
Licensing Corporation.

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

### SPECIFICATIONS

#### Amplifier section

Continuous RMS power output  
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)  
Peak music power output  
1500 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 mVm,  
impedance 10 kilo ohms  
Outputs MD/VIDEO OUT  
(phono jacks): voltage 250  
mV, impedance 1 kilo ohm  
PHONES (stereo phone  
jack): accepts headphones  
of 8 ohms or more.  
SPEAKER: accepts  
impedance of 6 to 16 ohms  
SUPER WOOFER:  
Voltage 1 V, impedance 1  
kilo ohm

#### Video section

Inputs AV INPUT VIDEO  
(phono jack):  
1 Vp-p, 75 ohms  
VIDEO IN (phono jack):  
1 Vp-p, 75 ohms  
Outputs 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  
Thai models: 531-1,602 kHz  
(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

Design and specifications are subject to change  
without notice.

## FM STEREO/FM-AM RECEIVER



# SONY

## TABLE OF CONTENTS

<b>1. GENERAL</b> .....	3
<b>2. TEST MODE</b> .....	5
<b>3. DIAGRAMS</b>	
3-1. Circuit Boards Location .....	6
3-2. Printed Wiring Board — Panel Section — .....	7
3-3. Schematic Diagram — Panel Section — .....	9
3-4. Printed Wiring Board — Main Section — .....	12
3-5. Schematic Diagram — Main Section — .....	15
3-6. Printed Wiring Board and Schematic Diagram — Power Section — .....	19
3-7. IC Pin Function .....	23
3-8. IC Block Diagrams .....	24
<b>4. EXPLODED VIEWS</b>	
4-1. Main Section .....	25
4-2. Panel Section .....	26
<b>5. ELECTRICAL PARTS LIST</b> .....	27

### SAFETY-RELATED COMPONENT WARNING!!

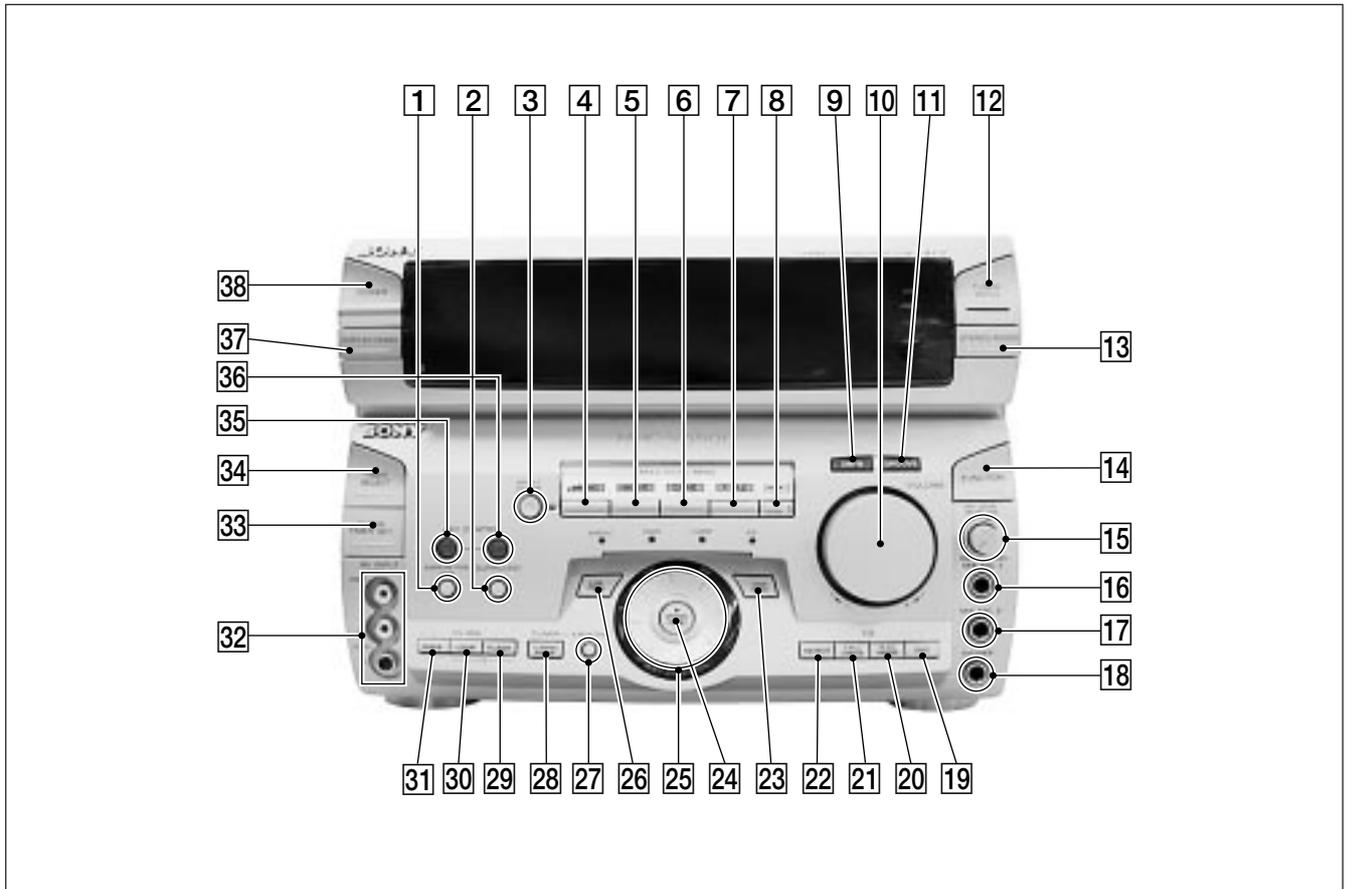
COMPONENTS IDENTIFIED BY MARK  $\triangle$  OR DOTTED LINE WITH MARK  $\triangle$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### 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
- 2** SURROUND button
- 3** EFFECT ON/OFF button
- 4** MUSIC button
- 5** MOVIE button
- 6** GAME button
- 7** P FILE button
- 8** MEMO button
- 9** DBFB button
- 10** VOLUME
- 11** GROOVE button
- 12** TUNER BAND button
- 13** STEREO/MONO button
- 14** FUNCTION button
- 15** MIC LEVEL/ECHO VOL
- 16** MIX MIC 1 jack
- 17** MIX MIC 2 jack
- 18** PHONES jack
- 19** EDIT button

- 20** PLAY MODE button
- 21** 1/ALL DISCS button
- 22** REPEAT button
- 23** HIGH FREQ button
- 24** ENTER/NEXT button
- 25** MULTI JOG STATION dial
- 26** LOW FREQ button
- 27** MEMORY button
- 28** TUNING MODE button
- 29** FLASH button
- 30** LOOP button
- 31** WAVE button
- 32** AV INPUT jack
- 33** CLOCK TIMER SET button
- 34** TIMER SELECT button
- 35** KEY CONTROL **b** button
- 36** KEY CONTROL **#** button
- 37** DISPLAY/DEMO button
- 38** POWER button



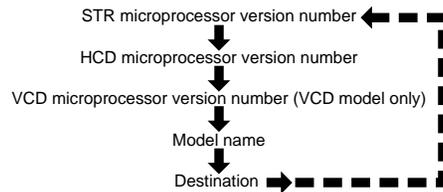
- 39 ANTENNA terminal
- 40 SYSTEM CONTROL
- 41 MD/VIDEO 1 jack
- 42 FRONT SPEAKER terminal
- 43 SUPER WOOFER jack
- 44 VIDEO OUT jack
- 45 VOLTAGE SELECTOR switch

## SECTION 2 TEST MODE

### FL DISPLAY/KEY LED TEST MODE

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

- All FL segments and all LEDs turn on.
- 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.



- 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.

- Sound volume display segment starts blinking.
- The tuning enters the PRESET mode.
- Rotating the VOLUME control clockwise increases the volume level to maximum.  
Rotating the VOLUME control counter-clockwise decreases the volume level to minimum.
- 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.
- 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

- 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.

- 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.

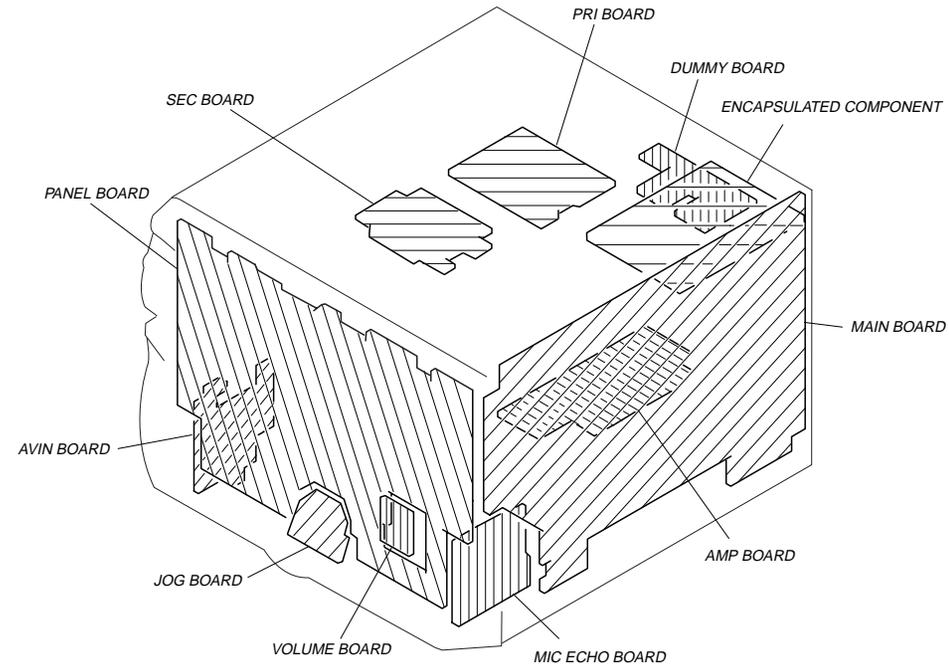
### HOT RESET

#### (Reset which does not clear memory.)

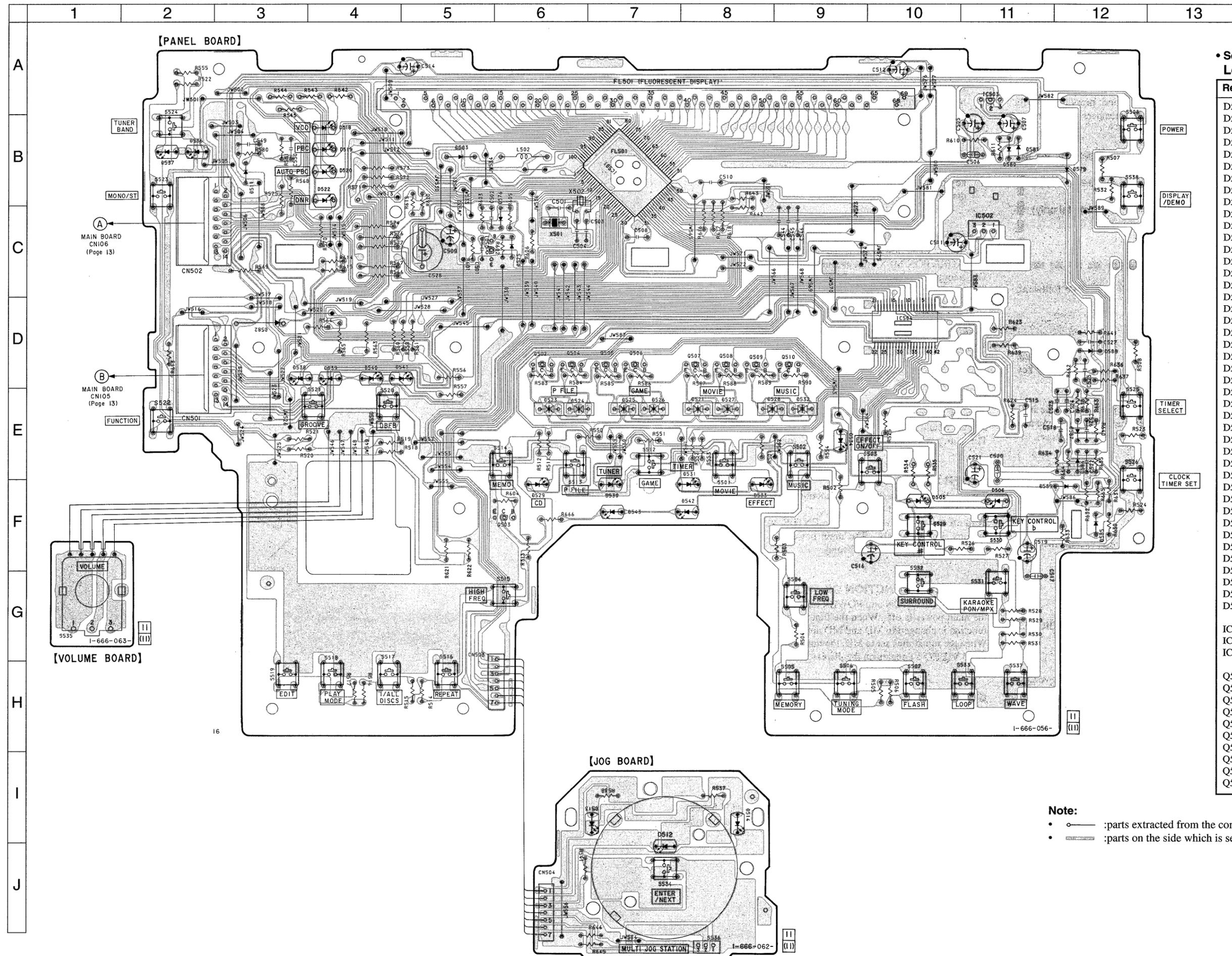
Press the REPEAT, ENTER/NEXT and TIMER SELECT buttons simultaneously at any time. The system is reset without clearing memory.

## SECTION 3 DIAGRAMS

### 3-1. CIRCUIT BOARDS LOCATION



3-2. PRINTED WIRING BOARD — PANEL SECTION —

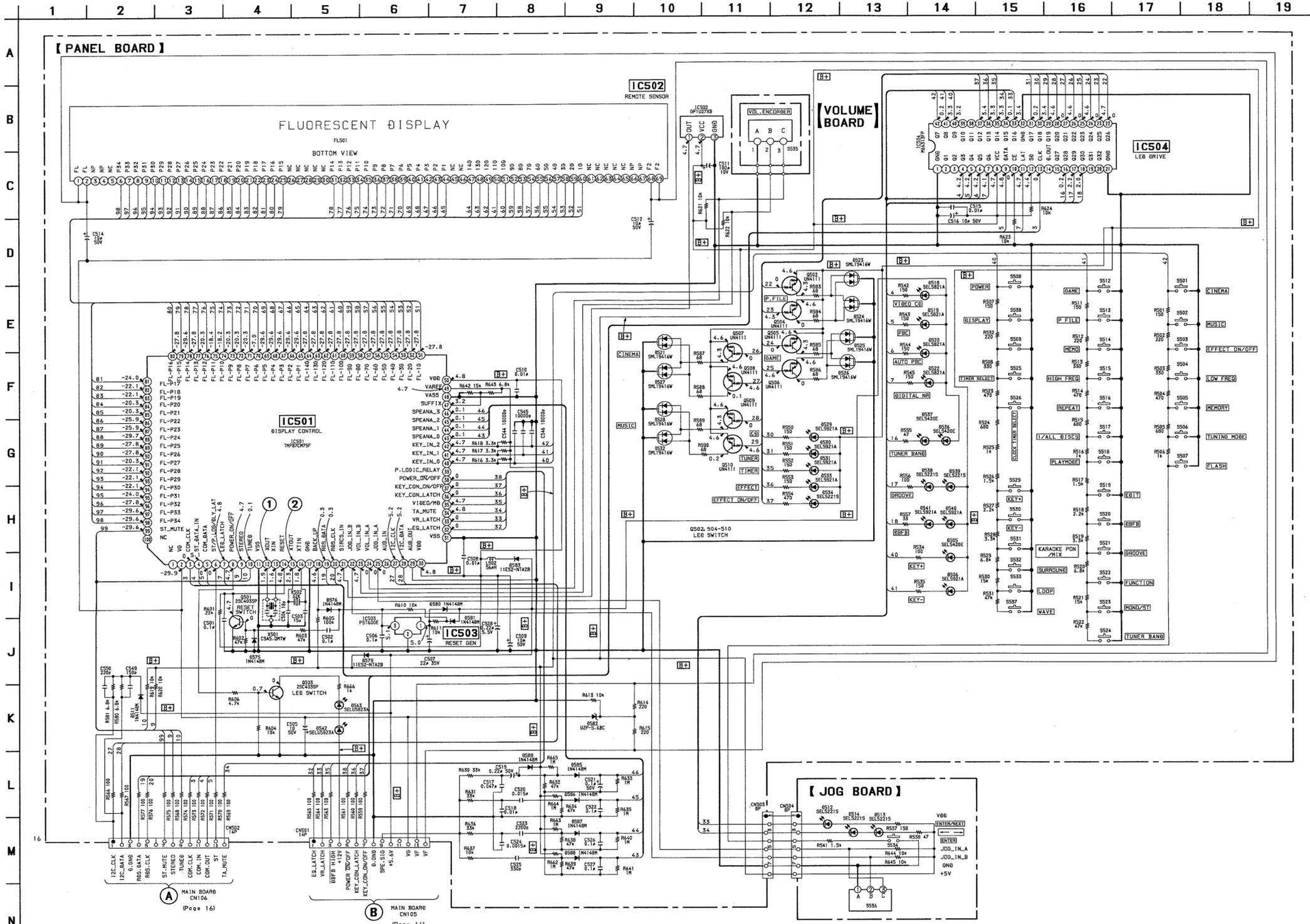


• Semiconductor Location

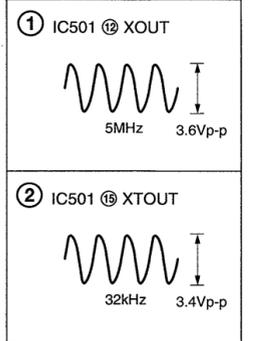
Ref. No.	Location
D505	F-10
D506	F-11
D511	B-3
D512	J-7
D513	I-7
D514	I-8
D518	B-4
D519	B-4
D520	B-4
D521	E-8
D522	B-4
D523	E-6
D524	E-6
D525	E-7
D526	E-7
D527	E-8
D528	E-9
D529	F-6
D530	F-7
D531	F-8
D532	E-9
D533	F-8
D534	E-9
D536	B-2
D537	B-2
D538	D-3
D539	D-4
D540	D-4
D541	D-4
D542	F-8
D543	F-7
D575	C-6
D576	C-6
D579	B-12
D580	B-11
D581	B-11
D582	D-3
D583	B-5
D585	F-12
D586	E-12
D587	E-12
D588	D-12
D589	F-12
IC501	B-7
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

Note:  
 • ○ : parts extracted from the component side.  
 • ○ : parts on the side which is seen.

3-3. SCHEMATIC DIAGRAM — PANEL SECTION —



• Waveform



**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4W or less unless otherwise specified.
- $\Delta$ : 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 $\Omega$ ).  
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.

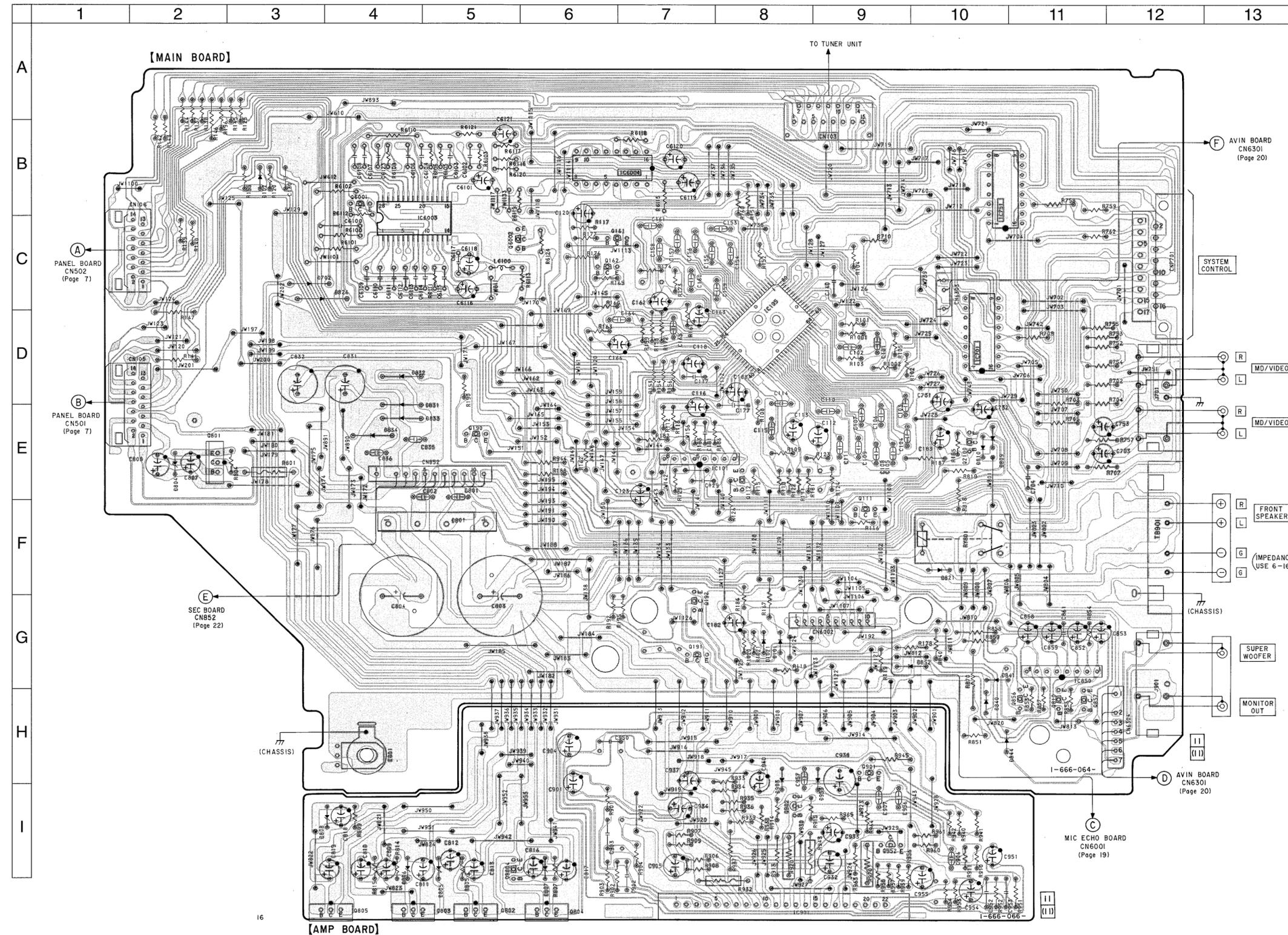
3-4. PRINTED WIRING BOARD — MAIN SECTION —

• Semiconductor Location

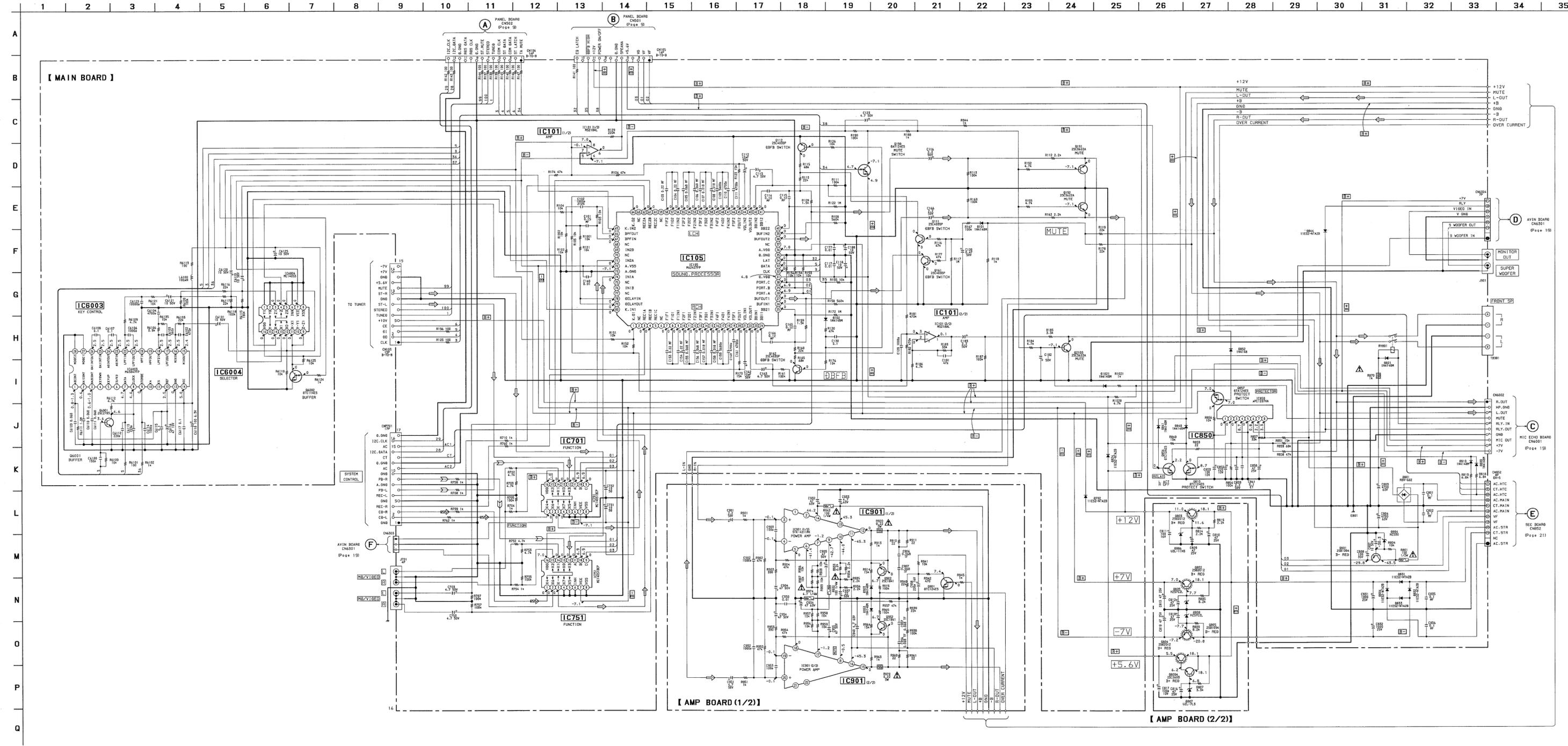
Ref. No.	Location
D101	G-8
D102	B-3
D702	C-3
D801	F-5
D804	E-2
D805	I-5
D806	I-4
D807	I-6
D808	I-4
D809	E-10
D810	E-10
D821	F-10
D824	C-3
D831	D-4
D832	D-4
D833	E-4
D834	E-4
D840	H-10
D841	G-10
D844	H-10
D852	G-9
D903	H-8
D953	H-9
D1021	G-8
IC101	E-7
IC105	D-8
IC701	D-10
IC751	B-10
IC850	G-11
IC901	J-8
IC6003	C-4
IC6004	B-6
Q111	F-9
Q112	E-8
Q161	C-6
Q162	C-6
Q190	E-5
Q191	G-7
Q192	G-7
Q801	E-2
Q802	J-5
Q803	J-4
Q804	J-6
Q805	J-4
Q810	H-11
Q856	H-11
Q857	H-11
Q901	H-9
Q902	I-8
Q952	I-9
Q2100	E-10
Q6001	B-4
Q6002	C-5
Q8004	I-5

Note:

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



3-5. SCHEMATIC DIAGRAM — MAIN SECTION —

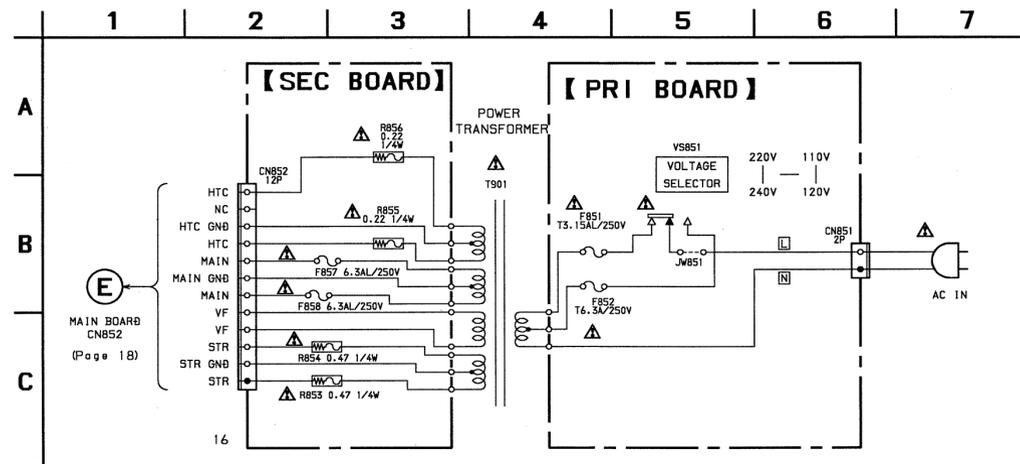
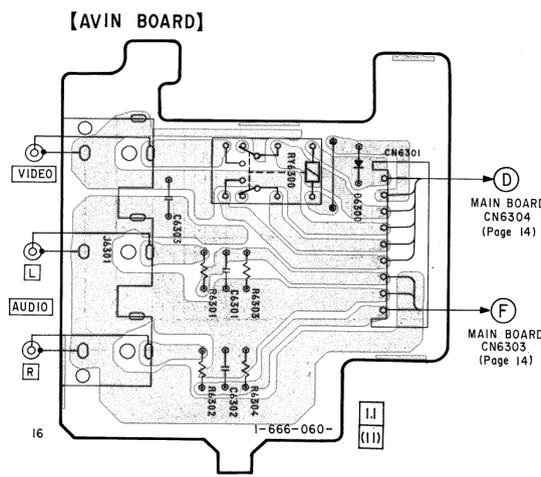
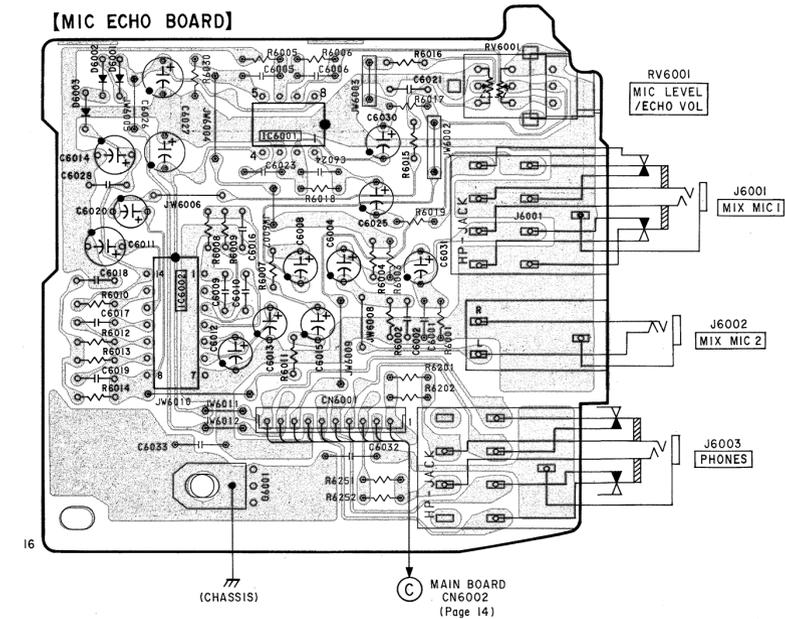
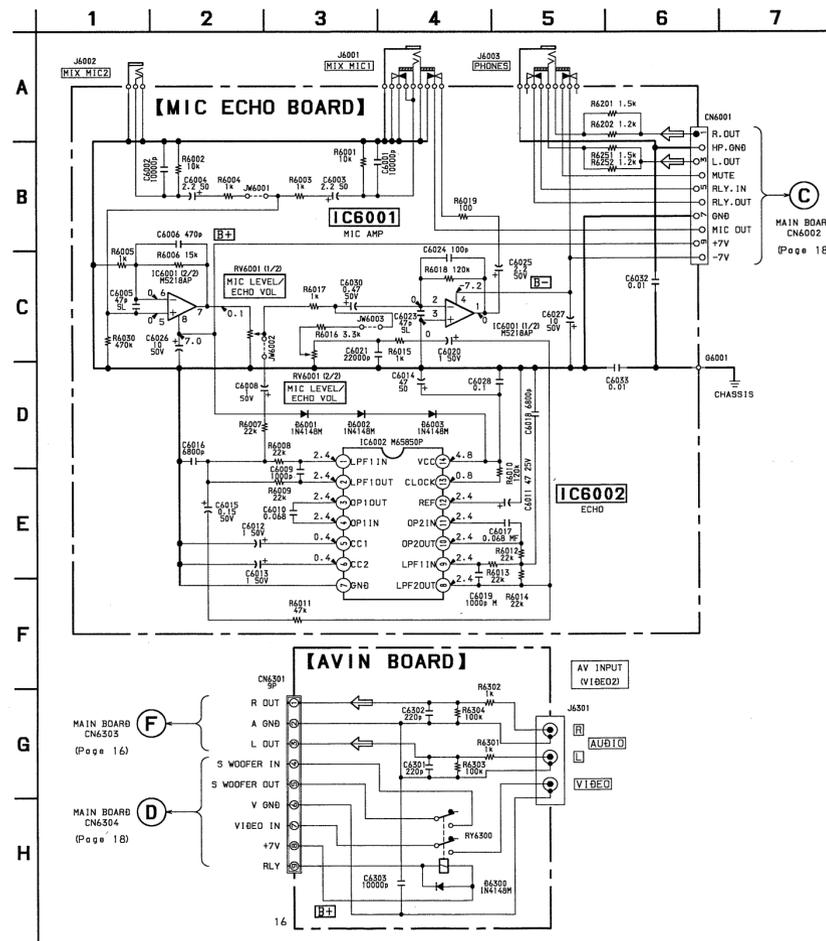


**Note:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4W or less unless otherwise specified.
- $\Delta$ : 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 $\Omega$ ).
- Voltage variations may be noted due to normal production tolerances.
- Voltage variations may be noted due to normal production tolerances.

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

• Signal path  
 ↳ : TUNER/AUDIO  
 ↳ : PB  
 ↳ : CD



**(E)** MAIN BOARD CN852 (Page 18)

**Note: (Schematic Diagram)**

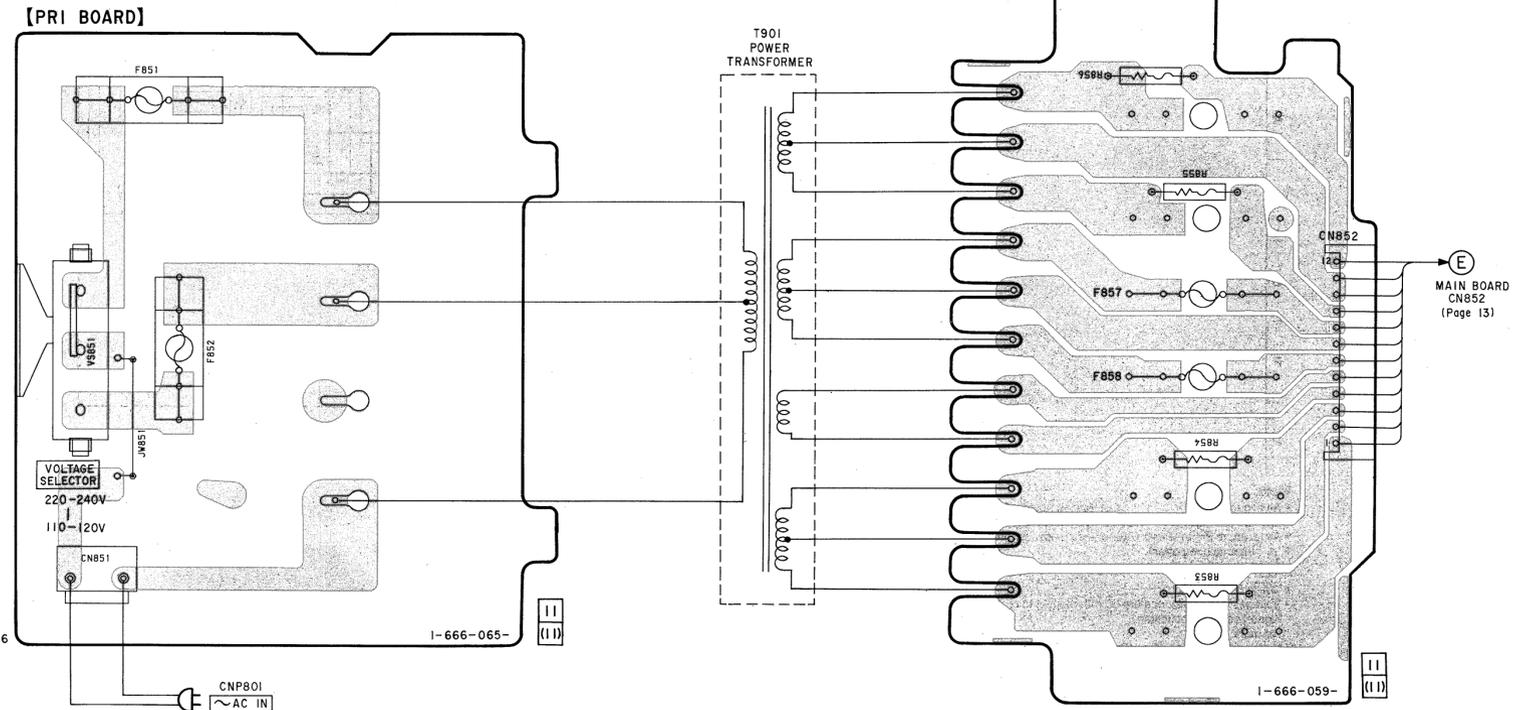
- All capacitors are in  $\mu\text{F}$  unless otherwise noted. pF:  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and 1/4W or less unless otherwise specified.
- $\Delta$ : Internal component.
- [B+]: B+ Line.
- [B-]: B- Line.
- 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 $\Omega$ ).
- Voltage variations may be noted due to normal production tolerances.
- Signal path

$\Rightarrow$ : AUDIO

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

**Note: (Printed Wiring Board)**

- $\circ$ : parts extracted from the component side.
- $\text{---}$ : parts on the side which is seen.



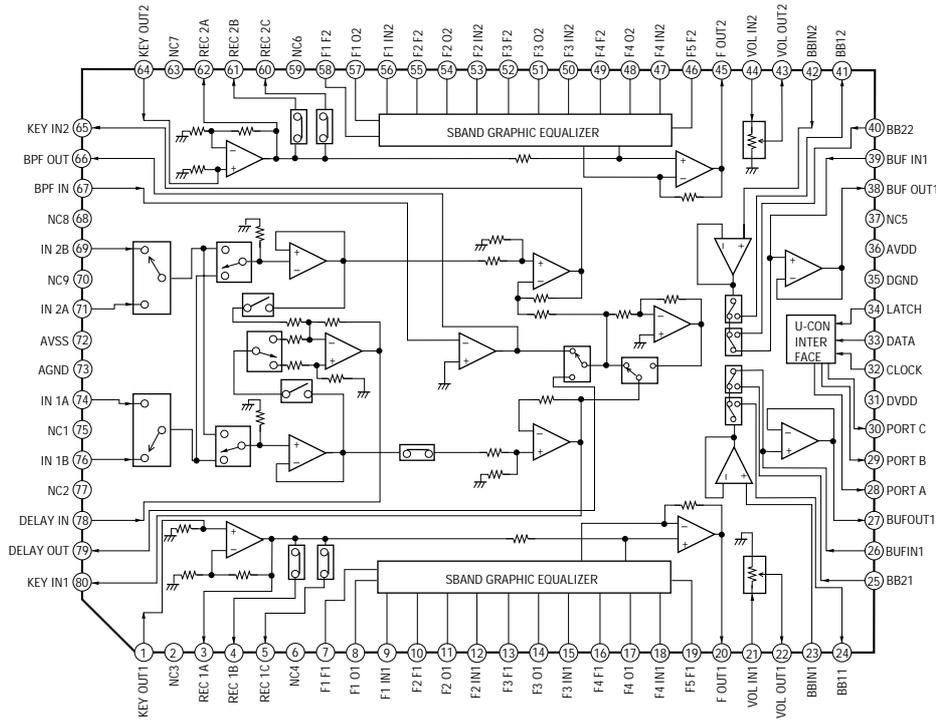
### 3-7. IC PIN FUNCTION

#### • IC501 TMP87CM75F-6608 (DISPLAY CONTROL)

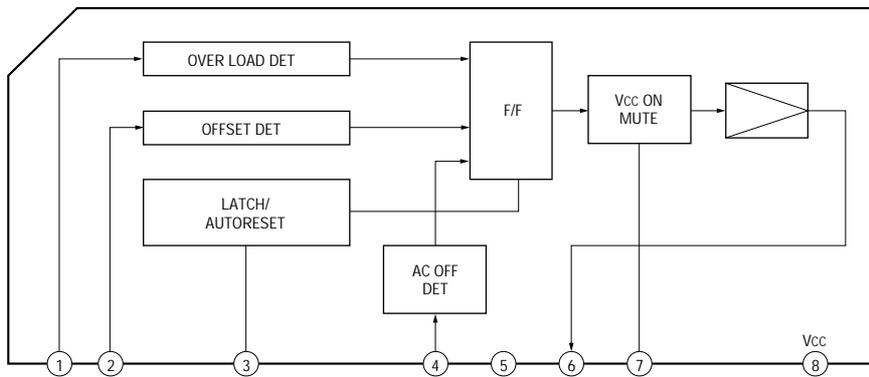
Pin No.	Pin Name	I/O	Description
1	NC	—	Not used
2	VG	—	POWER SUPPLY FOR VFT DRIVER
3	COM CLK	O	Transfer clock output serial data
4	ST DATA IN	I	Serial data input
5	COM DATA	O	Serial data output
6	ST CE	O	Chip enable output
7	LED LAT	O	Latch output to IC504
8	POWER ON/OFF	O	H : D542, D543 ON
9	STEREO	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 (European model only)
20	RDS CLK	I	RDS clock input (European model only)
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	—	Not used
27	I2C CLK	I/O	I2C clock I/O
28	I2C DATA	I/O	I2C data I/O
29	AUB OUT	—	Not used
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	—	Not used
40 to 42	KEY IN 0 to 2	I	Key data input (A/D converter)
43 to 46	SPEANA 0 to 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)
51 to 64	FL-1G to 14G	O	Grid output to FL501
65 to 98	FL-P1 to P34	O	Segment output to FL501
99	ST MUTE	O	H : MUTE L : Signal Receiving
100	NC	—	Not used

### 3-8. IC BLOCK DIAGRAMS

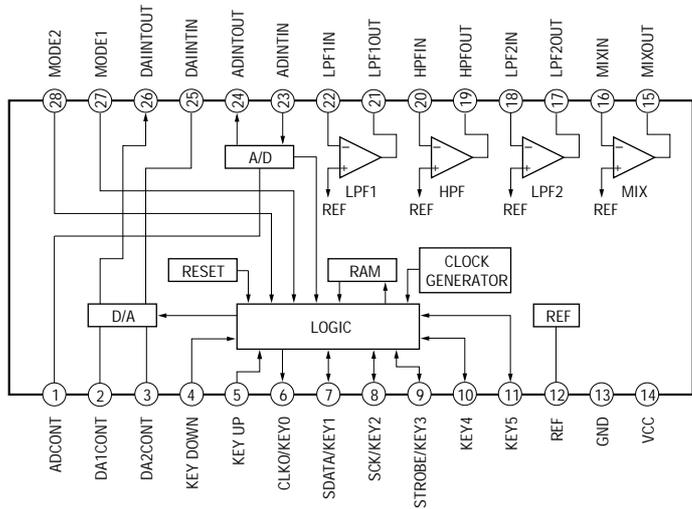
**IC105 M62427FP-A**



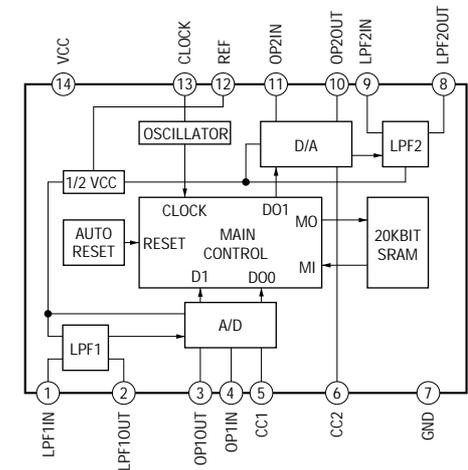
**IC850 μPC1237HA**



**IC6003 M65847FP**



**IC6002 M65850P**



# SECTION 4 EXPLODED VIEWS

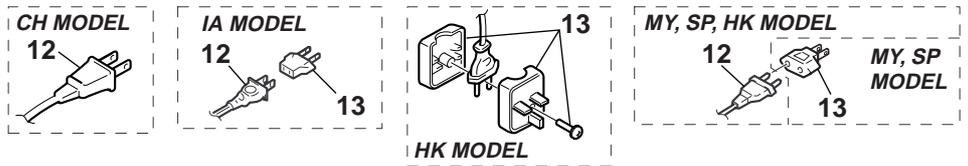
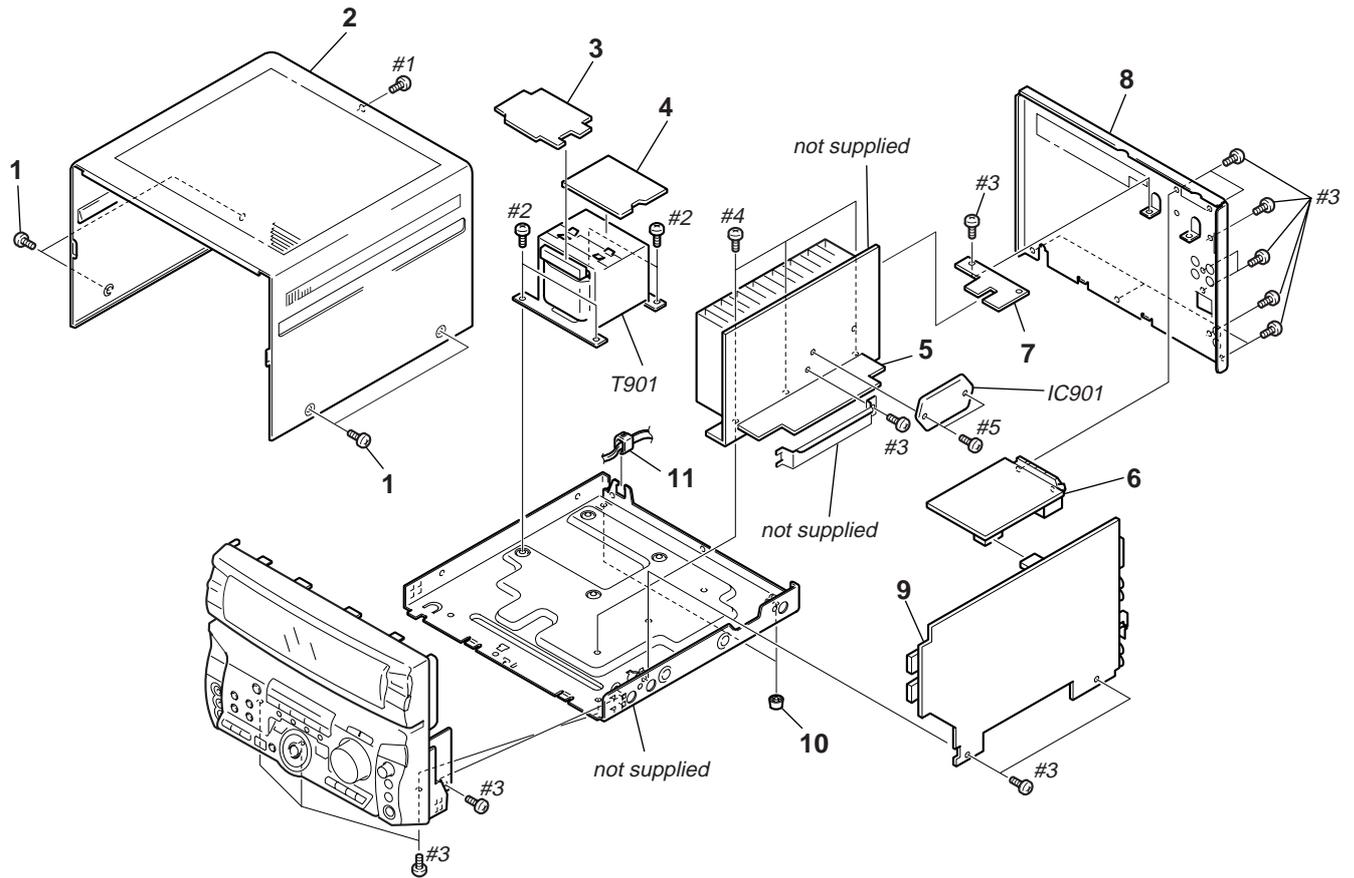
**Note:**

- -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.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.
- Abbreviation  
 MY : Malaysia                      SP : Singapore  
 HK : Hong Kong                    IA : Indonesian  
 CH : Chinese

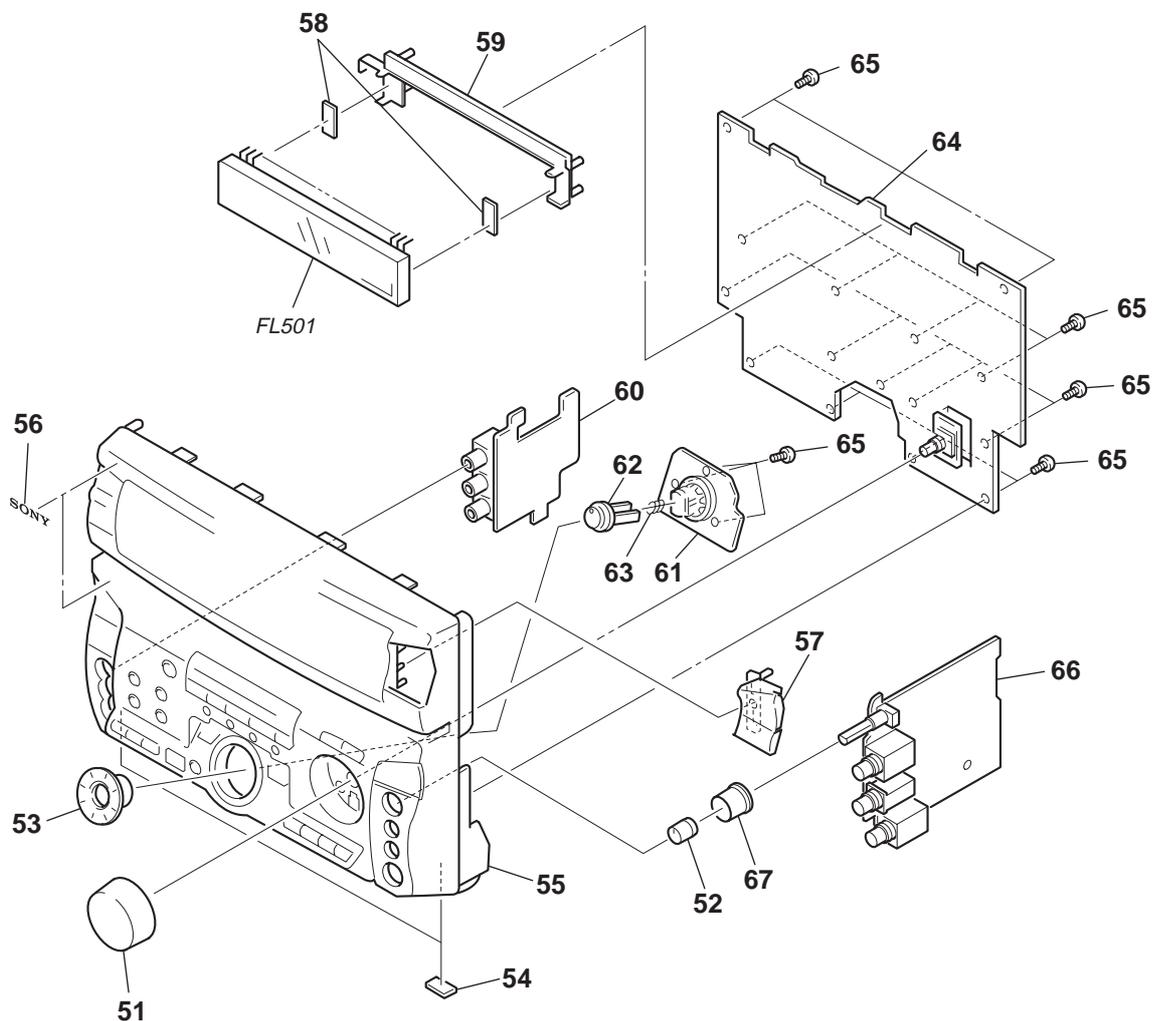
The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

## 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)		* 9	A-4403-202-A	MAIN BOARD, COMPLETE	
* 2	4-991-364-11	CASE		10	4-970-381-11	FOOT (REAR)	
* 3	1-666-059-11	SEC BOARD		* 11	3-703-244-00	BUSHING (2104), CORD (IA)	
* 4	1-666-065-11	PRI BOARD		11	3-703-571-11	BUSHING (S) (4516), CORD (MY,SP,HK,CH)	
* 5	1-666-066-11	AMP BOARD		$\Delta$ 12	1-777-071-21	CORD, POWER (MY,SP,HK)	
6	1-233-546-21	ENCAPSULATED COMPONENT		$\Delta$ 12	1-782-315-11	CORD, POWER (IA)	
* 7	1-666-067-11	DUMMY BOARD		$\Delta$ 12	1-782-464-21	CORD, POWER (CH)	
* 8	4-991-361-01	PANEL (VCD), BACK (MY,SP)		$\Delta$ 13	1-569-007-11	ADAPTOR, CONVERSION 2P (IA)	
* 8	4-991-361-11	PANEL (VCD), BACK (CH)		$\Delta$ 13	1-569-008-21	ADAPTOR, CONVERSION 2P (MY,SP)	
* 8	4-991-361-21	PANEL (VCD), BACK (HK)		$\Delta$ 13	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (HK)	
* 8	4-991-361-31	PANEL (VCD), BACK (IA)		$\Delta$ T901	1-431-365-11	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)		* 60	1-606-060-11	AVIN BOARD	
52	4-991-326-01	KNOB (CENTER)		* 61	1-666-062-11	JOG BOARD	
53	4-991-317-01	KNOB (JOG)		62	X-4948-611-1	BUTTON (E/N) ASSY	
54	4-977-358-11	CUSHION		63	4-984-085-01	SPRING (ENTER), COMPRESSION	
55	X-4948-895-1	PANEL ASSY, FRONT		* 64	A-4403-204-A	PANEL BOARD, COMPLETE	
56	4-962-708-11	EMBLEM (4-A), SONY		65	4-951-620-01	SCREW (2.6X8), +BVTP	
57	X-4948-612-1	DISPLAY ASSY, BUTTON		* 66	A-4403-207-A	MIC ECHO BOARD, COMPLET	
* 58	4-932-810-11	CUSHION (FL)		67	4-991-327-01	KNOB (CONTROL)	
* 59	4-986-870-01	HOLDER, FL TUBE		FL501	1-517-618-11	INDICATOR TUBE, FLUORESCENT	

## SECTION 5 ELECTRICAL PARTS LIST

**Note:**

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

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

- 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:  $\mu$ F

## • RESISTORS

All resistors are in ohms.

METAL: metal-film resistor

METAL OXIDE: Metal Oxide-film resistor

F: nonflammable

## • COILS

uH:  $\mu$ H

## • SEMICONDUCTORS

In each case, u:  $\mu$ , for example:uA...:  $\mu$ A..., uPA...,  $\mu$ PA...,uPB...,  $\mu$ PB..., uPC...,  $\mu$ PC...,uPD...,  $\mu$ PD...

## • Abbreviation

MY : Malaysia

SP : Singapore

HK : Hong Kong

IA : Indonesian

CH : Chinese

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	1-666-066-11	AMP BOARD *****				< TRANSISTOR >	
		< CAPACITOR >					
C809	1-104-664-11	ELECT	47uF 20% 25V	Q802	8-729-209-15	TRANSISTOR 2SD2012	
C810	1-104-664-11	ELECT	47uF 20% 25V	Q803	8-729-209-15	TRANSISTOR 2SD2012	
C811	1-126-933-11	ELECT	100uF 20% 16V	Q804	8-729-209-15	TRANSISTOR 2SD2012	
C812	1-104-664-11	ELECT	47uF 20% 25V	Q805	8-729-141-83	TRANSISTOR 2SB1094-LK	
C813	1-104-664-11	ELECT	47uF 20% 25V	Q901	8-729-900-36	TRANSISTOR DTC124ES	
C816	1-104-664-11	ELECT	47uF 20% 25V	Q902	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
C817	1-126-933-11	ELECT	100uF 20% 10V	Q952	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
C818	1-104-664-11	ELECT	47uF 20% 25V	Q8004	8-729-620-05	TRANSISTOR 2SC2603-EF	
C819	1-104-664-11	ELECT	47uF 20% 25V			< RESISTOR >	
C901	1-126-961-11	ELECT	2.2uF 20% 50V	R805	1-249-428-11	CARBON 8.2K 5% 1/4W F	
C902	1-162-294-31	CERAMIC	0.001uF 10% 50V	R807	1-247-843-11	CARBON 3.3K 5% 1/4W	
C903	1-162-282-31	CERAMIC	100PF 10% 50V	R809	1-249-428-11	CARBON 8.2K 5% 1/4W F	
C904	1-126-967-11	ELECT	47uF 20% 50V	R814	1-249-421-11	CARBON 2.2K 5% 1/4W F	
C905	1-126-967-11	ELECT	47uF 20% 50V	R815	1-249-421-11	CARBON 2.2K 5% 1/4W F	
C906	1-136-495-11	FILM	0.068uF 5% 50V	R901	1-249-417-11	CARBON 1K 5% 1/4W F	
C907	1-136-495-11	FILM	0.068uF 5% 50V	R902	1-249-437-11	CARBON 47K 5% 1/4W	
C932	1-128-552-51	ELECT	47uF 20% 63V	R903	1-249-412-11	CARBON 390 5% 1/4W F	
C933	1-128-581-11	ELECT	4.7uF 20% 63V	R904	1-249-437-11	CARBON 47K 5% 1/4W	
C934	1-128-552-51	ELECT	47uF 20% 63V	R906	1-249-429-11	CARBON 10K 5% 1/4W	
C937	1-126-965-11	ELECT	22uF 20% 50V	R907	1-249-429-11	CARBON 10K 5% 1/4W	
C938	1-126-934-11	ELECT	220uF 20% 16V	R908	1-249-429-11	CARBON 10K 5% 1/4W	
C940	1-128-581-11	ELECT	4.7uF 20% 63V	R909	1-249-429-11	CARBON 10K 5% 1/4W	
C950	1-162-306-11	CERAMIC	0.01uF 20% 16V	R910	1-249-397-11	CARBON 22 5% 1/4W F	
C951	1-126-963-11	ELECT	4.7uF 20% 50V	R911	1-249-397-11	CARBON 22 5% 1/4W F	
C952	1-162-294-31	CERAMIC	0.001uF 10% 50V	R913	1-249-417-11	CARBON 1K 5% 1/4W F	
C953	1-162-282-31	CERAMIC	100PF 10% 50V	R914	1-249-431-11	CARBON 15K 5% 1/4W	
C954	1-126-967-11	ELECT	47uF 20% 50V	R915	1-249-441-11	CARBON 100K 5% 1/4W	
C955	1-126-967-11	ELECT	47uF 20% 50V	$\Delta$ R920	1-217-156-00	WIREWOUND 0.22 10% 5W F	
C956	1-136-495-11	FILM	0.068uF 5% 50V	$\Delta$ R932	1-212-881-11	FUSIBLE 100 5% 1/4W F	
C957	1-136-495-11	FILM	0.068uF 5% 50V	R933	1-249-421-11	CARBON 2.2K 5% 1/4W F	
		< DIODE >		R934	1-249-421-11	CARBON 2.2K 5% 1/4W F	
D805	8-719-933-50	DIODE HZS7C2L		R935	1-249-421-11	CARBON 2.2K 5% 1/4W F	
D806	8-719-001-57	DIODE UZL-11H3-TP		R936	1-249-421-11	CARBON 2.2K 5% 1/4W F	
D807	8-719-000-81	DIODE UZL-7L3		R937	1-249-437-11	CARBON 47K 5% 1/4W	
D808	8-719-933-50	DIODE HZS7C2L		R938	1-249-441-11	CARBON 100K 5% 1/4W	
D903	8-719-987-63	DIODE 1N4148M		R939	1-249-433-11	CARBON 22K 5% 1/4W	
D953	8-719-987-63	DIODE 1N4148M		R940	1-249-433-11	CARBON 22K 5% 1/4W	
		< IC >		R941	1-249-429-11	CARBON 10K 5% 1/4W	
IC901	8-749-921-04	IC STK-4211MK-2		R942	1-249-413-11	CARBON 470 5% 1/4W F	
				$\Delta$ R943	1-212-881-11	FUSIBLE 100 5% 1/4W F	
				R945	1-249-417-11	CARBON 1K 5% 1/4W F	
				R951	1-249-417-11	CARBON 1K 5% 1/4W F	
				R952	1-249-437-11	CARBON 47K 5% 1/4W	
				R953	1-249-412-11	CARBON 390 5% 1/4W F	

AMP	AVIN	JOG	MAIN
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Ref. No.	Part No.	Description	Remarks
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
R958	1-249-429-11	CARBON 10K 5%	1/4W
R959	1-249-429-11	CARBON 10K 5%	1/4W
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

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\* 1-666-060-11 AVIN BOARD  
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< 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

< CONNECTOR >

CN6301 1-564-524-11 PLUG, CONNECTOR 9P

< DIODE >

D6300 8-719-987-63 DIODE 1N4148M

< JACK >

J6301 1-779-583-11 JACK, PIN 3P (AV INPUT)

< 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)

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Ref. No.	Part No.	Description	Remarks
*	A-4403-202-A	MAIN BOARD, COMPLETE *****	
		< CAPACITOR >	
C101	1-136-167-00	FILM 0.15uF 5%	50V
C102	1-130-471-00	MYLAR 0.001uF 5%	50V
C103	1-136-169-00	FILM 0.22uF 5%	50V
C104	1-136-169-00	FILM 0.22uF 5%	50V
C105	1-136-495-11	FILM 0.068uF 5%	50V
C106	1-136-495-11	FILM 0.068uF 5%	50V
C107	1-137-440-11	FILM 0.018uF 5%	50V
C108	1-137-440-11	FILM 0.018uF 5%	50V
C109	1-137-437-11	FILM 0.0056uF 5%	50V
C110	1-130-479-00	MYLAR 0.0047uF 5%	50V

C111	1-130-479-00	MYLAR 0.0047uF 5%	50V
C112	1-126-964-11	ELECT 10uF 20%	50V
C113	1-126-963-11	ELECT 4.7uF 20%	50V
C114	1-136-166-00	FILM 0.12uF 5%	50V
C115	1-136-166-00	FILM 0.12uF 5%	50V

C116	1-126-961-11	ELECT 2.2uF 20%	50V
C117	1-162-306-11	CERAMIC 0.01uF 20%	16V
C118	1-126-964-11	ELECT 10uF 20%	50V
C120	1-126-959-11	ELECT 0.47uF 20%	50V
C123	1-126-963-11	ELECT 4.7uF 20%	50V

C129	1-162-294-31	CERAMIC 0.001uF 10%	50V
C130	1-164-159-11	CERAMIC 0.1uF	50V
C140	1-162-306-11	CERAMIC 0.01uF 20%	16V
C153	1-136-169-00	FILM 0.22uF 5%	50V
C154	1-136-169-00	FILM 0.22uF 5%	50V

C155	1-136-495-11	FILM 0.068uF 5%	50V
C156	1-136-495-11	FILM 0.068uF 5%	50V
C157	1-137-440-11	FILM 0.018uF 5%	50V
C158	1-137-440-11	FILM 0.018uF 5%	50V
C159	1-137-437-11	FILM 0.0056uF 5%	50V

C160	1-130-479-00	MYLAR 0.0047uF 5%	50V
C161	1-130-479-00	MYLAR 0.0047uF 5%	50V
C162	1-126-964-11	ELECT 10uF 20%	50V
C163	1-126-963-11	ELECT 4.7uF 20%	50V
C164	1-136-166-00	FILM 0.12uF 5%	50V

C165	1-136-166-00	FILM 0.12uF 5%	50V
C166	1-126-961-11	ELECT 2.2uF 20%	50V
C177	1-162-306-11	CERAMIC 0.01uF 20%	16V
C181	1-162-215-31	CERAMIC 47PF 5%	50V
C182	1-126-960-11	ELECT 1uF 20%	50V

C183	1-126-961-11	ELECT 2.2uF 20%	50V
C188	1-126-964-11	ELECT 10uF 20%	50V
C703	1-126-963-11	ELECT 4.7uF 20%	50V
C731	1-126-964-11	ELECT 10uF 20%	50V
C732	1-126-964-11	ELECT 10uF 20%	50V

C753	1-126-963-11	ELECT 4.7uF 20%	50V
C801	1-136-165-00	FILM 0.1uF 5%	50V
C802	1-136-165-00	FILM 0.1uF 5%	50V
C803	1-104-482-11	ELECT 4700uF 20%	63V
C804	1-104-482-11	ELECT 4700uF 20%	63V

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	Ref. No.	Part No.	Description	Remarks
C807	1-126-964-11	ELECT	10uF 20% 50V			< TERMINAL >	
C808	1-126-948-11	ELECT	100uF 20% 35V				
C831	1-126-942-61	ELECT	1000uF 20% 25V				
C832	1-126-942-61	ELECT	1000uF 20% 25V	* E801	1-537-738-21	TERMINAL, EARTH	
C835	1-136-165-00	FILM	0.1uF 5% 50V			< IC >	
C836	1-136-165-00	FILM	0.1uF 5% 50V	IC101	8-759-634-50	IC M5218AL	
C852	1-126-923-11	ELECT	220uF 20% 10V	IC105	8-759-460-02	IC M62427FP-A	
C853	1-126-933-11	ELECT	100uF 20% 10V	IC701	8-759-000-47	IC MC14051BCP	
C858	1-104-664-11	ELECT	47uF 20% 25V	IC751	8-759-000-47	IC MC14051BCP	
C859	1-126-961-11	ELECT	2.2uF 20% 50V	IC850	8-759-111-68	IC uPC1237HA	
C861	1-164-159-11	CERAMIC	0.1uF 50V	IC6003	8-759-370-84	IC M65847FP	
C6100	1-162-284-31	CERAMIC	150PF 10% 50V	IC6004	8-759-140-53	IC uPD4053BC	
C6101	1-126-964-11	ELECT	10uF 20% 50V			< JACK >	
C6102	1-162-290-31	CERAMIC	470PF 10% 50V	J701	1-770-614-11	JACK, PIN 4P (MD/VIDEO 1)	
C6103	1-162-291-31	CERAMIC	560PF 10% 50V	J901	1-779-379-11	JACK, PIN 2P (SUPER WOOFER/MONITOR)	
C6104	1-249-429-11	CARBON	10K 5% 1/4W			< COIL >	
C6106	1-162-294-31	CERAMIC	0.001uF 10% 50V	L6100	1-410-521-11	INDUCTOR 100uH	
C6107	1-164-159-11	CERAMIC	0.1uF 50V			< TRANSISTOR >	
C6108	1-164-159-11	CERAMIC	0.1uF 50V	Q111	8-729-119-78	TRANSISTOR 2SC403SP-51	
C6109	1-136-495-11	FILM	0.068uF 5% 50V	Q112	8-729-119-78	TRANSISTOR 2SC403SP-51	
C6110	1-136-495-11	FILM	0.068uF 5% 50V	Q161	8-729-119-78	TRANSISTOR 2SC403SP-51	
C6111	1-136-495-11	FILM	0.068uF 5% 50V	Q162	8-729-119-78	TRANSISTOR 2SC403SP-51	
C6112	1-162-286-31	CERAMIC	220PF 10% 50V	Q190	8-729-900-63	TRANSISTOR DTA124ES	
C6113	1-162-286-31	CERAMIC	220PF 10% 50V	Q191	8-729-141-26	TRANSISTOR 2SC3622A-LK	
C6114	1-162-294-31	CERAMIC	0.001uF 10% 50V	Q192	8-729-141-26	TRANSISTOR 2SC3622A-LK	
C6115	1-164-159-11	CERAMIC	0.1uF 50V	Q801	8-729-141-83	TRANSISTOR 2SB1094-LK	
C6116	1-126-967-11	ELECT	47uF 20% 10V	Q810	8-729-900-36	TRANSISTOR DTC124ES	
C6117	1-164-159-11	CERAMIC	0.1uF 50V	Q856	8-729-900-36	TRANSISTOR DTC124ES	
C6118	1-124-584-00	ELECT	100uF 20% 10V	Q857	8-729-900-63	TRANSISTOR DTA124ES	
C6119	1-126-964-11	ELECT	10uF 20% 50V	Q2100	8-729-141-26	TRANSISTOR 2SC3622A-LK	
C6120	1-126-964-11	ELECT	10uF 20% 50V	Q6001	8-729-119-78	TRANSISTOR 2SC403SP-51	
C6121	1-126-964-11	ELECT	10uF 20% 50V	Q6002	8-729-900-80	TRANSISTOR DTC114ES	
C6123	1-162-306-11	CERAMIC	0.01uF 20% 16V			< RESISTOR >	
C6125	1-249-429-11	CARBON	10K 5% 1/4W	R101	1-249-429-11	CARBON 10K 5% 1/4W	
		< CONNECTOR >		R102	1-249-429-11	CARBON 10K 5% 1/4W	
CN103	1-774-289-11	PIN, CONNECTOR (PC BOARD) 15P		R103	1-249-429-11	CARBON 10K 5% 1/4W	
CN105	1-774-336-11	SOCKET, CONNECTOR(PC BOARD) 14P		R104	1-249-429-11	CARBON 10K 5% 1/4W	
CN106	1-774-336-11	SOCKET, CONNECTOR(PC BOARD) 14P		R105	1-249-429-11	CARBON 10K 5% 1/4W	
* CN6002	1-568-937-11	PIN, CONNECTOR 10P		R108	1-247-897-11	CARBON 560K 5% 1/4W	
* CNP701	1-764-017-21	HOUSING,CONNECTOR(PC BOARD) 17P		R109	1-249-419-11	CARBON 1.5K 5% 1/4W F	
		< DIODE >		R110	1-249-433-11	CARBON 22K 5% 1/4W	
D101	8-719-987-63	DIODE 1N4148M		R111	1-249-441-11	CARBON 100K 5% 1/4W	
D102	8-719-987-63	DIODE 1N4148M		R112	1-249-421-11	CARBON 2.2K 5% 1/4W F	
D702	8-719-024-99	DIODE 11ES2-NTA2B		R113	1-249-441-11	CARBON 100K 5% 1/4W	
D801	8-719-302-38	DIODE RBV-602-01		R115	1-249-439-11	CARBON 68K 5% 1/4W	
D804	8-719-934-22	DIODE HZS30-2L		R116	1-249-437-11	CARBON 47K 5% 1/4W	
D809	8-719-987-63	DIODE 1N4148M		R117	1-247-903-00	CARBON 1M 5% 1/4W	
D810	8-719-987-63	DIODE 1N4148M		R118	1-249-417-11	CARBON 1K 5% 1/4W F	
D821	8-719-987-63	DIODE 1N4148M		R119	1-249-433-11	CARBON 22K 5% 1/4W	
D824	8-719-024-99	DIODE 11ES2-NTA2B		R120	1-249-437-11	CARBON 47K 5% 1/4W	
D831	8-719-024-99	DIODE 11ES2-NTA2B		R122	1-247-903-00	CARBON 1M 5% 1/4W	
D832	8-719-024-99	DIODE 11ES2-NTA2B		R123	1-249-431-11	CARBON 15K 5% 1/4W	
D833	8-719-024-99	DIODE 11ES2-NTA2B		R124	1-249-437-11	CARBON 47K 5% 1/4W	
D834	8-719-024-99	DIODE 11ES2-NTA2B					
D840	8-719-987-63	DIODE 1N4148M					
D841	8-719-987-63	DIODE 1N4148M					
D844	8-719-024-99	DIODE 11ES2-NTA2B					
D852	8-719-987-63	DIODE 1N4148M					
D1021	8-719-987-63	DIODE 1N4148M					



**MIC ECHO**

**PANEL**

**VOLUME**

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	A-4403-207-A	MIC ECHO BOARD, COMPLETE *****				< RESISTOR >	
		< CAPACITOR >		R6001	1-249-429-11	CARBON 10K 5%	1/4W
C6001	1-162-306-11	CERAMIC 0.01uF 20%	16V	R6002	1-249-429-11	CARBON 10K 5%	1/4W
C6002	1-162-306-11	CERAMIC 0.01uF 20%	16V	R6003	1-249-417-11	CARBON 1K 5%	1/4W F
C6003	1-124-257-00	ELECT 2.2uF 20%	50V	R6004	1-249-417-11	CARBON 1K 5%	1/4W F
C6004	1-124-257-00	ELECT 2.2uF 20%	50V	R6005	1-249-417-11	CARBON 1K 5%	1/4W F
C6005	1-162-215-31	CERAMIC 47PF 5%	50V	R6006	1-249-425-11	CARBON 4.7K 5%	1/4W F
C6006	1-162-290-31	CERAMIC 470PF 10%	50V	R6007	1-249-433-11	CARBON 22K 5%	1/4W
C6008	1-126-160-11	ELECT 1uF 20%	50V	R6008	1-249-433-11	CARBON 22K 5%	1/4W
C6009	1-162-294-31	CERAMIC 0.001uF 10%	50V	R6009	1-249-433-11	CARBON 22K 5%	1/4W
C6010	1-136-495-11	FILM 0.068uF 5%	50V	R6010	1-247-881-00	CARBON 120K 5%	1/4W
C6011	1-104-664-11	ELECT 47uF 20%	25V	R6011	1-249-437-11	CARBON 47K 5%	1/4W
C6012	1-126-160-11	ELECT 1uF 20%	50V	R6012	1-249-433-11	CARBON 22K 5%	1/4W
C6013	1-126-160-11	ELECT 1uF 20%	50V	R6013	1-249-433-11	CARBON 22K 5%	1/4W
C6014	1-104-664-11	ELECT 47uF 20%	25V	R6014	1-249-433-11	CARBON 22K 5%	1/4W
C6015	1-124-250-11	ELECT 0.15uF 20%	50V	R6015	1-249-417-11	CARBON 1K 5%	1/4W F
C6016	1-162-305-11	CERAMIC 0.0068uF 30%	16V	R6016	1-247-843-11	CARBON 3.3K 5%	1/4W
C6017	1-136-495-11	FILM 0.068uF 5%	50V	R6017	1-249-417-11	CARBON 1K 5%	1/4W F
C6018	1-162-305-11	CERAMIC 0.0068uF 30%	16V	R6018	1-247-881-00	CARBON 120K 5%	1/4W
C6019	1-162-294-31	CERAMIC 0.001uF 10%	50V	R6019	1-247-807-31	CARBON 100 5%	1/4W
C6020	1-126-160-11	ELECT 1uF 20%	50V	R6030	1-247-895-00	CARBON 470K 5%	1/4W
C6021	1-162-306-11	CERAMIC 0.01uF 20%	16V	R6201	1-249-419-11	CARBON 1.5K 5%	1/4W F
C6023	1-162-215-31	CERAMIC 47PF 5%	50V	R6202	1-249-418-11	CARBON 1.2K 5%	1/4W F
C6024	1-162-282-31	CERAMIC 100PF 10%	50V	R6251	1-249-419-11	CARBON 1.5K 5%	1/4W F
C6025	1-124-257-00	ELECT 2.2uF 20%	50V	R6252	1-249-418-11	CARBON 1.2K 5%	1/4W F
C6026	1-124-261-00	ELECT 10uF 20%	50V			< VARIABLE RESISTOR >	
C6027	1-124-261-00	ELECT 10uF 20%	50V	RV6001	1-225-511-11	RES,VAR,CARBON 50K/50K (MIC LEVEL/ECHO VOL)	
C6028	1-162-306-11	CERAMIC 0.01uF 20%	16V			*****	
C6030	1-124-465-00	ELECT 0.47uF 20%	50V	*	A-4403-204-A	PANEL BOARD, COMPLETE *****	
C6032	1-162-306-11	CERAMIC 0.01uF 20%	16V			VOLUME BOARD *****	
C6033	1-162-306-11	CERAMIC 0.01uF 20%	16V				
		< DIODE >		*	4-932-810-11	CUSHION (FL)	
D6001	8-719-987-63	DIODE 1N4148M		*	4-986-870-01	HOLDER, FL TUBE	
D6002	8-719-987-63	DIODE 1N4148M				< CAPACITOR >	
D6003	8-719-987-63	DIODE 1N4148M					
		< TERMINAL >		C501	1-164-159-11	CERAMIC 0.1uF	50V
* G6001	1-537-738-21	TERMINAL, EARTH		C502	1-164-159-11	CERAMIC 0.1uF	50V
		< IC >		C503	1-162-203-31	CERAMIC 15PF 5%	50V
IC6001	8-759-634-51	IC M5218AP		C504	1-162-205-31	CERAMIC 18PF 5%	50V
IC6002	8-759-450-96	IC M65850P		C505	1-126-964-11	ELECT 10uF 20%	50V
		< JACK >		C506	1-137-399-11	FILM 0.1uF 5%	50V
J6001	1-770-226-11	JACK (LARGE TYPE) (MIX MIC1)		C507	1-124-248-00	ELECT 22uF 20%	35V
J6002	1-750-733-11	JACK (LARGE TYPE) (MIX MIC2)		C508	1-162-306-11	CERAMIC 0.01uF 20%	16V
J6003	1-770-226-11	JACK (LARGE TYPE) (PHONES)		C509	1-126-964-11	ELECT 10uF 20%	50V
				C510	1-162-306-11	CERAMIC 0.01uF 20%	16V
				C511	1-124-584-00	ELECT 100uF 20%	10V
				C512	1-126-964-11	ELECT 10uF 20%	50V
				C514	1-126-964-11	ELECT 10uF 20%	50V
				C515	1-162-306-11	CERAMIC 0.01uF 20%	16V
				C516	1-126-964-11	ELECT 10uF 20%	50V

**PANEL**

**VOLUME**

Ref. No.	Part No.	Description	Remarks
C517	1-137-374-11	FILM 0.047uF 5%	50V
C518	1-162-306-11	CERAMIC 0.01uF 20%	16V
C519	1-124-464-11	ELECT 0.22uF 20%	50V
C520	1-137-371-11	FILM 0.015uF 5%	50V
C521	1-124-463-00	ELECT 0.1uF 20%	50V
C522	1-164-159-11	CERAMIC 0.1uF	50V
C523	1-162-302-11	CERAMIC 0.0022uF 30%	16V
C524	1-162-301-11	CERAMIC 0.0015uF 30%	16V
C525	1-162-288-31	CERAMIC 330PF 10%	50V
C526	1-164-159-11	CERAMIC 0.1uF	50V
C527	1-164-159-11	CERAMIC 0.1uF	50V
C528	1-104-905-11	CAPACITOR 0.22F	5.5V
C544	1-162-306-11	CERAMIC 0.01uF 20%	16V
C545	1-162-306-11	CERAMIC 0.01uF 20%	16V
C546	1-162-306-11	CERAMIC 0.01uF 20%	16V
C549	1-162-284-31	CERAMIC 150PF 10%	50V
C550	1-162-286-31	CERAMIC 220PF 10%	50V
< CONNECTOR >			
CN501	1-774-342-11	PLUG, CONNECTOR (PC BOARD) 14P	
CN502	1-774-342-11	PLUG, CONNECTOR (PC BOARD) 14P	
< DIODE >			
D505	8-719-032-86	DIODE SEL5420E (KEY CONTROL #)	
D506	8-719-046-36	DIODE SEL5921A-TH15 (KEY CONTROL b)	
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)	
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	
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	

Ref. No.	Part No.	Description	Remarks
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	
< TRANSISTOR >			
Q501	8-729-119-78	TRANSISTOR 2SC403SP-51	
Q502	8-729-422-57	TRANSISTOR UN4111	
Q503	8-729-119-78	TRANSISTOR 2SC403SP-51	
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

**PANEL**

**VOLUME**

Ref. No.	Part No.	Description	Quantity	Material	Power	Notes	Ref. No.	Part No.	Description	Quantity	Material	Power	Notes
R534	1-249-407-11	CARBON	150	5%	1/4W	F	R623	1-249-429-11	CARBON	10K	5%	1/4W	
R535	1-249-407-11	CARBON	150	5%	1/4W	F	R624	1-249-429-11	CARBON	10K	5%	1/4W	
R542	1-249-407-11	CARBON	150	5%	1/4W	F	R630	1-249-435-11	CARBON	33K	5%	1/4W	
R543	1-249-407-11	CARBON	150	5%	1/4W	F	R631	1-249-435-11	CARBON	33K	5%	1/4W	
R544	1-249-407-11	CARBON	150	5%	1/4W	F	R632	1-249-437-11	CARBON	47K	5%	1/4W	
R545	1-249-407-11	CARBON	150	5%	1/4W	F	R633	1-247-903-00	CARBON	1M	5%	1/4W	
R550	1-249-407-11	CARBON	150	5%	1/4W	F	R634	1-249-437-11	CARBON	47K	5%	1/4W	
R551	1-249-407-11	CARBON	150	5%	1/4W	F	R635	1-247-903-00	CARBON	1M	5%	1/4W	
R552	1-249-407-11	CARBON	150	5%	1/4W	F	R636	1-249-435-11	CARBON	33K	5%	1/4W	
R553	1-249-407-11	CARBON	150	5%	1/4W	F	R637	1-249-429-11	CARBON	10K	5%	1/4W	
R554	1-249-413-11	CARBON	470	5%	1/4W	F	R638	1-249-437-11	CARBON	47K	5%	1/4W	
R555	1-249-401-11	CARBON	47	5%	1/4W	F	R639	1-249-437-11	CARBON	47K	5%	1/4W	
R556	1-247-807-31	CARBON	100	5%	1/4W		R640	1-247-903-00	CARBON	1M	5%	1/4W	
R557	1-249-399-11	CARBON	33	5%	1/4W	F	R641	1-247-903-00	CARBON	1M	5%	1/4W	
R559	1-247-807-31	CARBON	100	5%	1/4W		R642	1-249-431-11	CARBON	15K	5%	1/4W	
R560	1-247-807-31	CARBON	100	5%	1/4W		R643	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R561	1-247-807-31	CARBON	100	5%	1/4W		R662	1-247-903-00	CARBON	1M	5%	1/4W	
R563	1-247-807-31	CARBON	100	5%	1/4W		R663	1-247-903-00	CARBON	1M	5%	1/4W	
R564	1-247-807-31	CARBON	100	5%	1/4W		R664	1-247-903-00	CARBON	1M	5%	1/4W	
R565	1-247-807-31	CARBON	100	5%	1/4W		R665	1-247-903-00	CARBON	1M	5%	1/4W	
R566	1-247-807-31	CARBON	100	5%	1/4W		R666	1-249-417-11	CARBON	1K	5%	1/4W	F
R567	1-247-807-31	CARBON	100	5%	1/4W				< SWITCH >				
R568	1-247-807-31	CARBON	100	5%	1/4W								
R569	1-247-807-31	CARBON	100	5%	1/4W		S501	1-762-751-11	SWITCH, TACTILE (MOVIE)				
R570	1-247-807-31	CARBON	100	5%	1/4W		S502	1-762-751-11	SWITCH, TACTILE (MUSIC)				
R571	1-247-807-31	CARBON	100	5%	1/4W		S503	1-762-751-11	SWITCH, TACTILE (EFFECT ON/OFF)				
R572	1-247-807-31	CARBON	100	5%	1/4W		S504	1-762-751-11	SWITCH, TACTILE (LOW FREQ)				
R573	1-247-807-31	CARBON	100	5%	1/4W		S505	1-762-751-11	SWITCH, TACTILE (MEMORY)				
R574	1-247-807-31	CARBON	100	5%	1/4W								
R575	1-247-807-31	CARBON	100	5%	1/4W		S506	1-762-751-11	SWITCH, TACTILE (TUNING MODE)				
R576	1-247-807-31	CARBON	100	5%	1/4W		S507	1-762-751-11	SWITCH, TACTILE (FLASH)				
R577	1-247-807-31	CARBON	100	5%	1/4W		S508	1-762-751-11	SWITCH, TACTILE (POWER)				
R580	1-249-427-11	CARBON	6.8K	5%	1/4W	F	S512	1-762-751-11	SWITCH, TACTILE (GAME)				
R581	1-249-427-11	CARBON	6.8K	5%	1/4W	F	S513	1-762-751-11	SWITCH, TACTILE (P FILE)				
R583	1-249-403-11	CARBON	68	5%	1/4W	F	S514	1-762-751-11	SWITCH, TACTILE (MEMO)				
R584	1-249-403-11	CARBON	68	5%	1/4W	F	S515	1-762-751-11	SWITCH, TACTILE (HIGH FREQ)				
R585	1-249-403-11	CARBON	68	5%	1/4W	F	S516	1-762-751-11	SWITCH, TACTILE (REPEAT)				
R586	1-249-403-11	CARBON	68	5%	1/4W	F	S517	1-762-751-11	SWITCH, TACTILE (1/ALL DISCS)				
R587	1-249-403-11	CARBON	68	5%	1/4W	F	S518	1-762-751-11	SWITCH, TACTILE (PLAY MODE)				
R588	1-249-403-11	CARBON	68	5%	1/4W	F							
R589	1-249-403-11	CARBON	68	5%	1/4W	F	S519	1-762-751-11	SWITCH, TACTILE (EDIT)				
R590	1-249-403-11	CARBON	68	5%	1/4W	F	S520	1-762-751-11	SWITCH, TACTILE (DBFB)				
R601	1-249-433-11	CARBON	22K	5%	1/4W		S521	1-762-751-11	SWITCH, TACTILE (GROOVE)				
R602	1-249-437-11	CARBON	47K	5%	1/4W		S522	1-762-751-11	SWITCH, TACTILE (FUNCTION)				
R603	1-249-437-11	CARBON	47K	5%	1/4W		S523	1-762-751-11	SWITCH, TACTILE (MONO/ST)				
R604	1-249-429-11	CARBON	10K	5%	1/4W		S524	1-762-751-11	SWITCH, TACTILE (TUNER BAND)				
R605	1-249-441-11	CARBON	100K	5%	1/4W		S525	1-762-751-11	SWITCH, TACTILE (TIMER SELECT)				
R606	1-249-425-11	CARBON	4.7K	5%	1/4W	F	S526	1-762-751-11	SWITCH, TACTILE (CLOCK TIMER SET)				
R610	1-249-429-11	CARBON	10K	5%	1/4W		S529	1-762-751-11	SWITCH, TACTILE (KEY CONTROL #)				
R611	1-249-429-11	CARBON	10K	5%	1/4W		S530	1-762-751-11	SWITCH, TACTILE (KEY CONTROL b)				
R613	1-249-429-11	CARBON	10K	5%	1/4W		S531	1-762-751-11	SWITCH, TACTILE (KARAOKE PON/MPX)				
R614	1-249-409-11	CARBON	220	5%	1/4W	F	S532	1-762-751-11	SWITCH, TACTILE (SURROUND)				
R615	1-249-409-11	CARBON	220	5%	1/4W	F	S533	1-762-751-11	SWITCH, TACTILE (LOOP)				
R616	1-247-843-11	CARBON	3.3K	5%	1/4W		S535	1-467-869-11	ENCODER, ROTARY (VOLUME)				
R617	1-247-843-11	CARBON	3.3K	5%	1/4W		S537	1-762-751-11	SWITCH, TACTILE (WAVE)				
R618	1-247-843-11	CARBON	3.3K	5%	1/4W		S538	1-762-751-11	SWITCH, TACTILE (DISPLAY/DEMO)				
R619	1-249-429-11	CARBON	10K	5%	1/4W				< VIBRATOR >				
R620	1-249-429-11	CARBON	10K	5%	1/4W		X501	1-579-125-11	VIBRATOR, CERAMIC 5MHZ				
R621	1-249-429-11	CARBON	10K	5%	1/4W		X502	1-567-098-41	VIBRATOR, CRYSTAL 32KHZ				
R622	1-249-429-11	CARBON	10K	5%	1/4W								

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# STR-V5500

**PRI**

**SEC**

Ref. No.	Part No.	Description	Remarks
*	1-666-065-11	PRI BOARD *****	
	1-533-293-11	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	
*****			
*	1-666-059-11	SEC BOARD *****	
	1-533-293-11	FUSE HOLDER  < CONNECTOR >	
* CN852	1-564-527-11	PLUG, CONNECTOR 12P  < FUSE >	
△ F857	1-532-506-51	FUSE, TIME LAG 6.3A 250V	
△ F858	1-532-506-51	FUSE, TIME LAG 6.3A 250V  < RESISTOR >	
△ R853	1-219-123-11	FUSIBLE 0.47 5% 1/4W F	
△ R854	1-219-123-11	FUSIBLE 0.47 5% 1/4W F	
△ R855	1-219-121-11	FUSIBLE 0.22 5% 1/4W F	
△ R856	1-219-121-11	FUSIBLE 0.22 5% 1/4W F	

Ref. No.	Part No.	Description	Remarks
*****			
MISCELLANEOUS *****			
6	1-233-546-21	ENCAPSULATED COMPONENT	
7	1-666-067-11	DUMMY BOARD	
△ 12	1-777-071-21	CORD, POWER (MY, SP, HK)	
△ 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)	
△ 13	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (HK)	
△ F851	1-532-465-51	FUSE, TIME LAG 3.15A 250V	
△ F852	1-532-506-51	FUSE, TIME LAG 6.3A 250V	
△ F857	1-532-506-51	FUSE, TIME LAG 6.3A 250V	
△ F858	1-532-506-51	FUSE, TIME LAG 6.3A 250V	
△ T901	1-431-365-11	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.