

TA-EX9/EX10

SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model



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TA-EX9/EX10 are the Amplifier Section in
MHC-EX9AV/EX10AV.

Photo: TA-EX10

SPECIFICATIONS

Peak music power output (TA-EX9: E, Saudi Arabia, Hong Kong,
Malaysia, Singapore, Australian)
1,000 W (2 speakers driven)

DIN power output (TA-EX10/TA-EX9: AEP, UK, German, Italian)

FRONT: 60 W + 60 W (6 ohms,
at 1 kHz)
(TA-EX9)

CENTER: 20 W (6 ohms, at 1 kHz)

REAR: 7 W + 7 W (6 ohms,
at 1 kHz)

Continuous RMS power output

FRONT: 70 W + 70 W (6 ohms,
at 1 kHz, 5% THD)
(TA-EX9)

CENTER: 28 W (6 ohms, at 1 kHz,
5% THD)

REAR: 10 W + 10 W (6 ohms,
at 1 kHz, 5% THD)

Input	Jack type	Sensitivity	Impedance
CD	Phono	450 mV	47 kilohms
MD/DAT	Phono	450 mV	47 kilohms
TUNER	Phono	250 mV	47 kilohms
VIDEO1	Phono	250 mV	47 kilohms
VIDEO2	Phono	250 mV	47 kilohms
TAPE	Phono	250 mV	47 kilohms

MIX MIC Phono 1 mV 600 ohms
(E, Saudi Arabia, Hong Kong, Malaysia,
Singapore and Australian models)

Output	Jack type	Voltage	Impedance
MD/DAT	Phono	250 mV	1 kilohm
VIDEO1	Phono	250 mV	1 kilohm
TAPE	Phono	250 mV	1 kilohm
HEAD- PHONES	Stereo phone	—	Accepts headphones of 8 ohms or more

MONITOR OUT (phono jack):
1 Vp-p/75 ohms

FRONT SPEAKER:
TA-EX9

accepts speakers of 6 to
16 ohms

TA-EX10

Phono jacks: only for SA-EX100

CENTER SPEAKER:

accepts speakers of 6 to
16 ohms

REAR SPEAKER:

accepts speakers of 6 to
16 ohms

Dimensions

Approx. 280 x 125 x 315 mm (w/h/d)
(11 1/8 x 5 x 12 1/2 inches)

Mass TA-EX9 : Approx. 6.5 kg (14 lb 6 oz)
TA-EX10 : Approx. 5.1 kg (11 lb 4 oz)

— Continued on next page —

AV CENTER/CONTROL AMPLIFIER

SONY®



General

Power requirements

AEP, UK, German, Italian model:
220 – 230 V AC, 50/60 Hz

E, Saudi Arabia, Hong Kong, Malaysia, Singapore,

Australian model:

110 – 120 V or 220 – 240 V AC
adjustable, 50/60 Hz

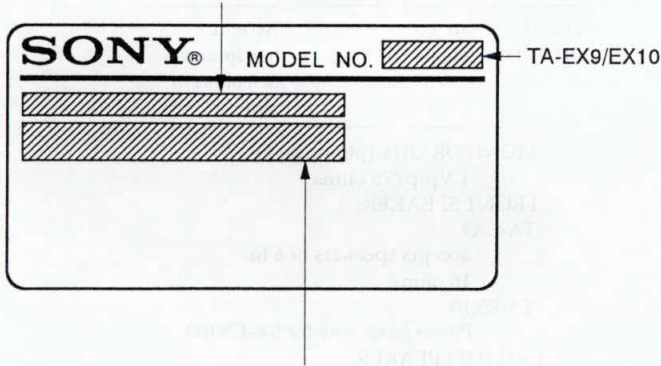
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MODEL IDENTIFICATION

– Model Number Label –

TA-EX9: AV CENTER AMPLIFIER
TA-EX10: AV CONTROL AMPLIFIER



TA-EX9

AEP model: AC 220 – 230 V ~50/60 Hz 200 W
UK model: AC 220 – 230 V ~50 Hz
German, Italian model:
AC 220 – 230 V ~50 Hz 200 W
E, Saudi Arabia, Hong Kong, Malaysia,
Singapore, Australian model:
AC 110 – 120/220 – 240 V ~50/60 Hz 200 W

TA-EX10

AEP model: AC 220 – 230 V ~50/60 Hz 85 W
UK model: AC 220 – 230 V ~50 Hz
German, Italian model:
AC 220 – 230 V ~50 Hz 85 W
E, Saudi Arabia, Hong Kong, Malaysia,
Singapore, Australian model:
AC 110 – 120/220 – 240 V ~50/60 Hz 85 W

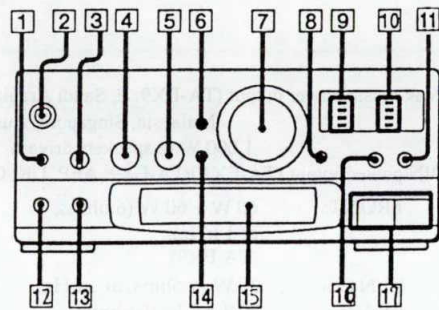
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ OR DOTTED LINE WITH MARK Δ 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.

**SECTION 1
GENERAL**

This section is extracted from instruction manual.

Index to Parts and Controls



- 1 Remote sensor
- 2 SYSTEM POWER switch and ON/STANDBY indicator (7)
The indicator remains lit as long as the AC power cord is connected to a wall outlet.
- 3 MIC LEVEL control (21) (E, EA, MY, SP, HK, AUS)
- 4 BASS control (20)
- 5 TREBLE control (20)
- 6 KARAOKE PON button* (21) (E, EA, MY, SP, HK, AUS)
- 7 VOLUME control (5, 7, 20)
- 8 SOURCE DIRECT button* (20)
- 9 PRO LOGIC MODE indicators (21)
- 10 DSP MENU indicators (20)
- 11 DSP button (20)
- 12 HEADPHONES jack (20, 24)
- 13 MIX MIC jack (phone jack) (21, 22)
(E, EA, MY, SP, HK, AUS)
- 14 MUTING button* (20)
- 15 Display window (20)
- 16 DOLBY PRO LOGIC button (21)
- 17 FUNCTION buttons (16, 19, 24)
VIDEO (24)
AUDIO (16, 19, 24)

- Abbreviation
- AUS : Australian
- EA : Saudi Arabia
- HK : Hong Kong
- MY : Malaysia
- SP : Singapore

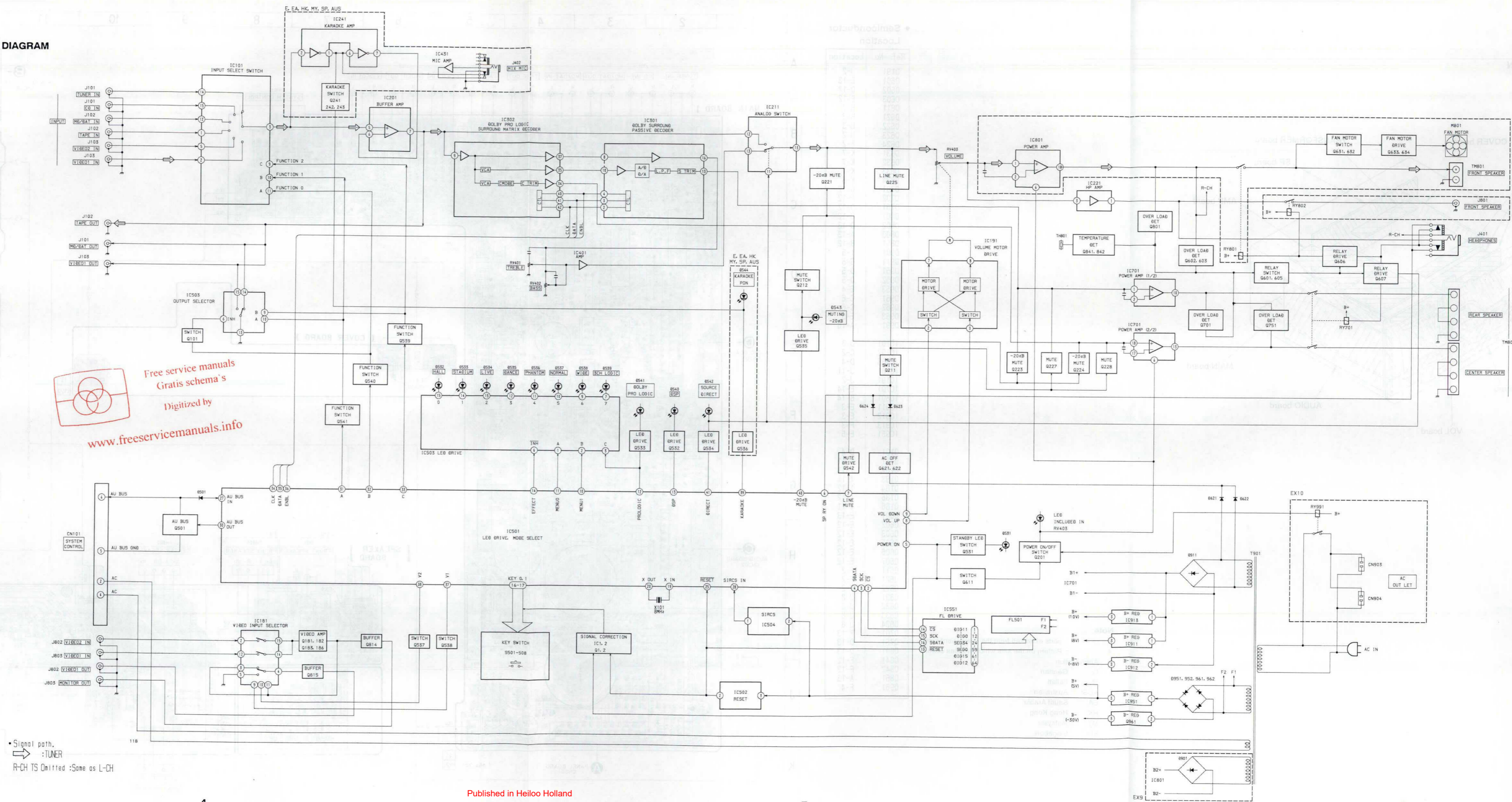
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SECTION 2 DIAGRAMS

2-1. IC PIN FUNCTION DESCRIPTION PANEL BOARD IC501 M37471M4-469SP (LED Drive, Mode Select)

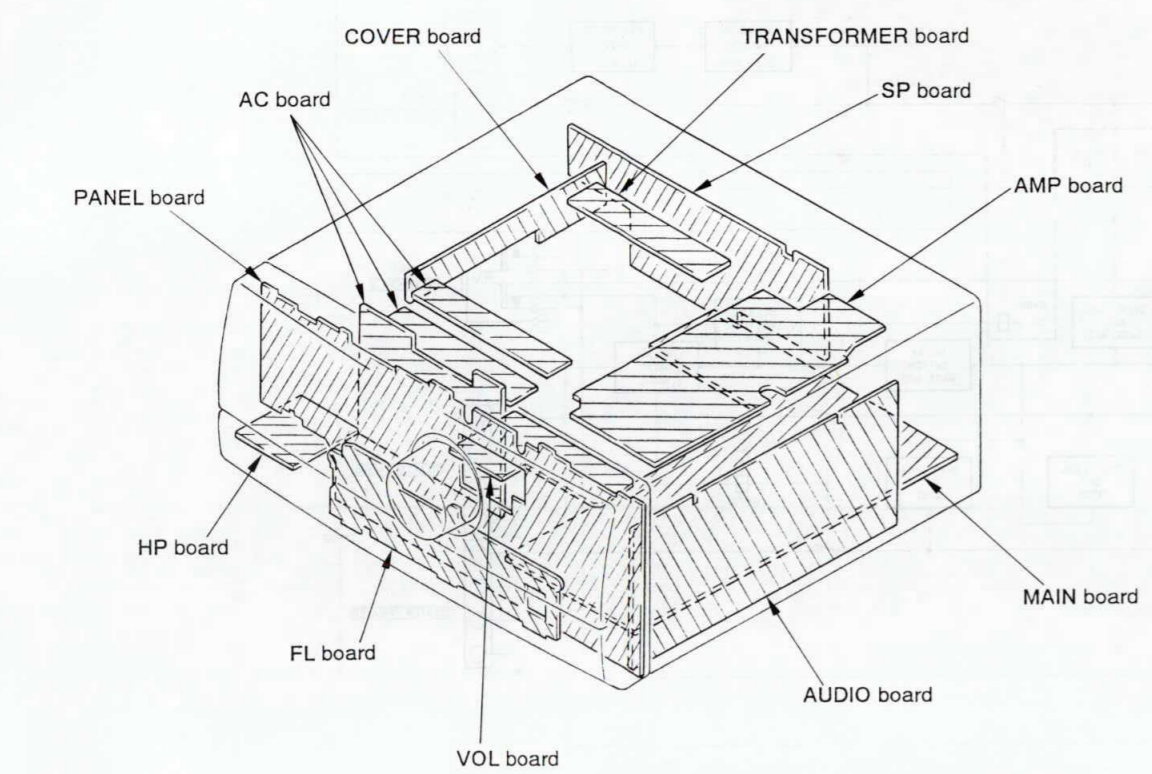
Pin No.	Pin Name	I/O	Function
1	—	—	Not used
2	CS	O	IC551 FL Driver control
3	SCK	O	IC551 FL Driver control
4	SDATA	O	IC551 FL Driver control
5	POWER ON	O	System power ON
6	SP RY ON	O	Speaker relay ON
7	LINEMUTE	O	Line mute ON
8	VOLUP	O	Volume up
9	VOLDOWN	O	Volume down
10	MENU1	O	LED Control
11	MENU0	O	LED Control
12	PROLOGIC	O	LED Control
13	DSP	O	LED Control
14	EFFECT	O	LED Control
15	—	—	Not used
16	KEY1	I	A/D input
17	KEY0	I	A/D input
18	VREF	I	A/D Reference Voltage
19	XIN	I	X'TAL input
20	XOUT	O	X'TAL output
21	VSS	I	GND
22	VCC	I	+5 V
23	E/CE	I	For CE = "L", E = "H"
24	65/75	I	For EX9 = "H", EX = "L"
25	RESET	I	Reset input
26	ACOFF	I	Not used
27	AUBIN	I	AU BUS Input
28	SIRCSIN	I	SIRCS Input
29	—	—	Not used
30	AUBOUT	O	AU BUS Output
31	A	O	IC101, 102, 103 Audio function control
32	B	O	IC101, 102, 103 Audio function control
33	C	O	IC101, 102, 103 Audio function control
34	CLK	O	IC301, 302 Prologic/DSP control
35	DATA	O	IC301, 302 Prologic/DSP control
36	ENBL	O	IC301, 302 Prologic/DSP control
37	V1	O	IC181 Video function control
38	V2	O	IC181 Video function control
39	KARAOKE	O	KARAOKE PON ON
40	-20MUTE	O	-20 dB Muting ON
41	DIRECT	O	Direct ON
42	—	—	Not used

2-2. BLOCK DIAGRAM



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2-3. CIRCUIT BOARDS LOCATION

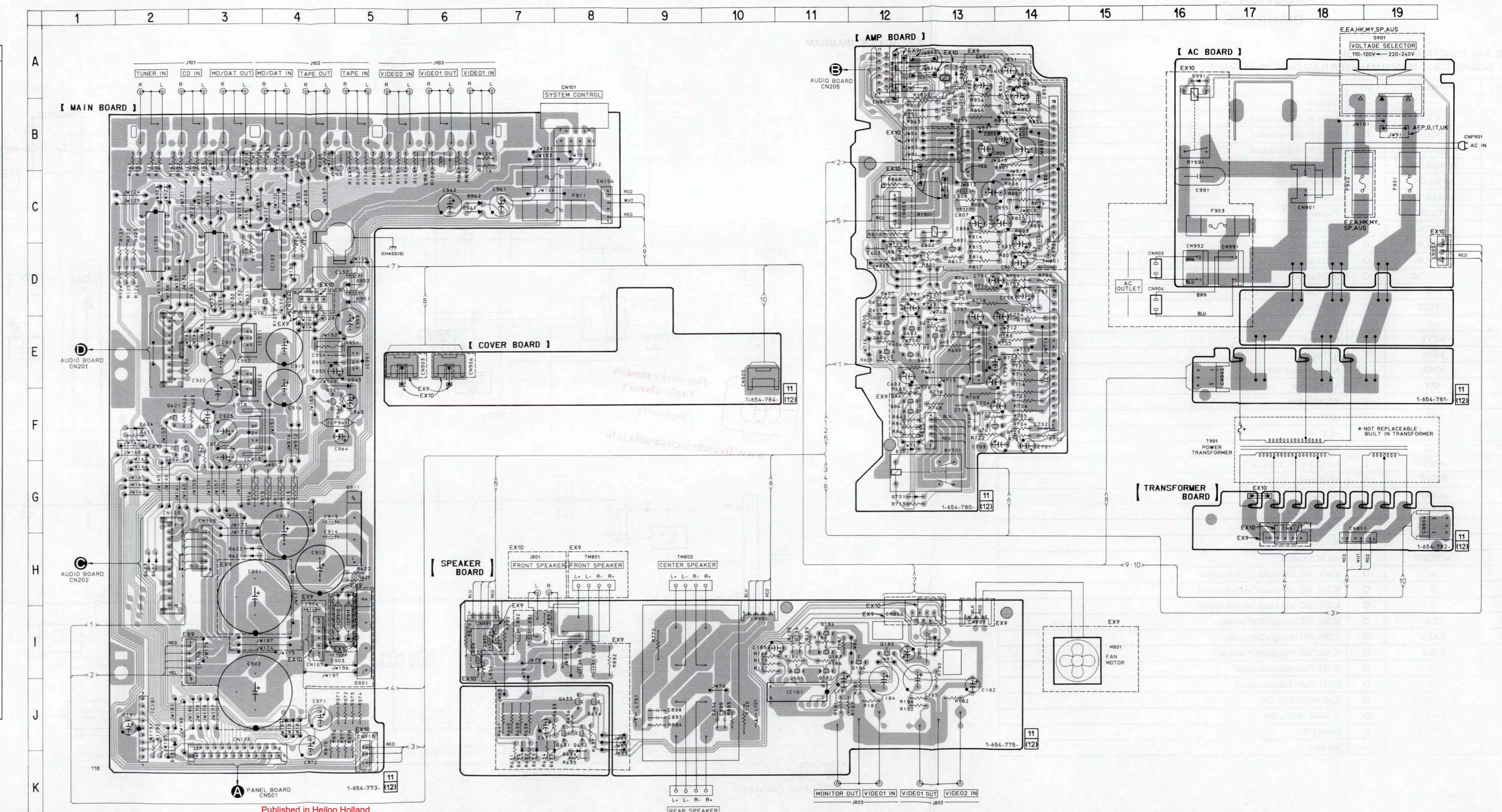


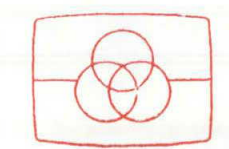
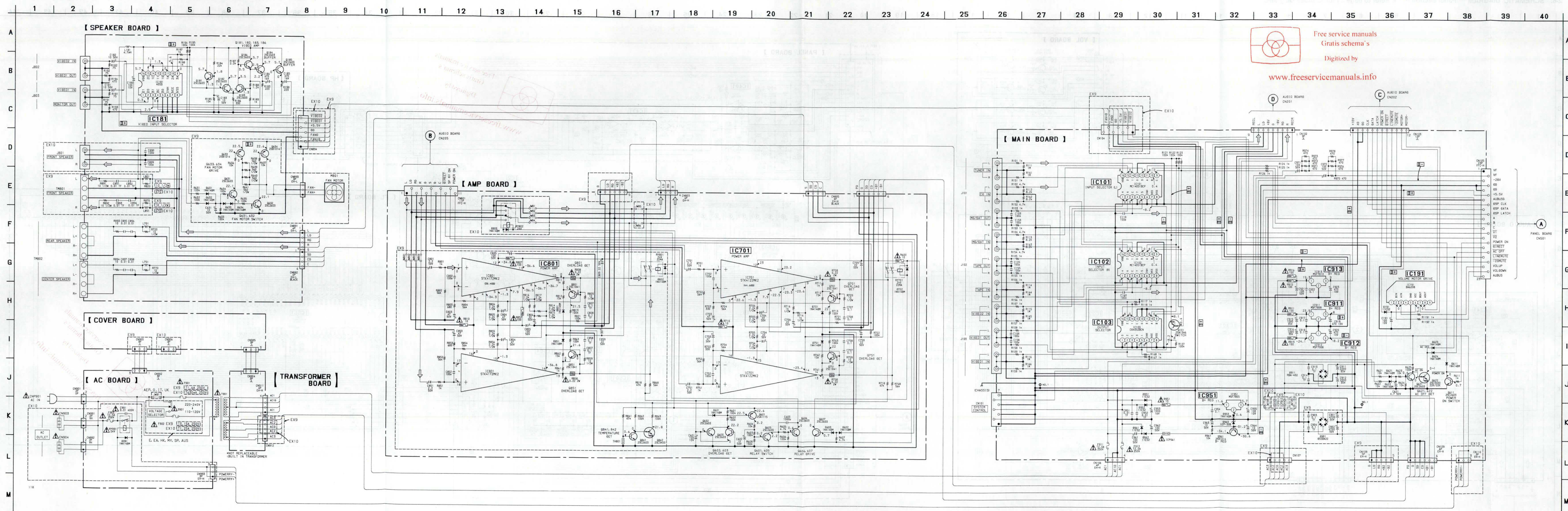
• Semiconductor Location

Ref. No.	Location
D191	J-2
D601	E-13
D602	D-12
D603	E-12
D611	H-2
D621	H-3
D622	H-3
D623	H-2
D624	F-2
D631	K-7
D632	K-7
D633	K-7
D634	K-8
D701	G-12
D702	F-12
D751	D-12
D801	D-12
D802	D-13
D803	A-13
D851	B-12
D901	I-5
D911	G-5
D951	D-5
D952	D-5
D953	F-4
D961	C-6
D962	C-6
D963	E-5
D991	A-16
IC101	D-3
IC102	C-2
IC103	D-4
IC181	J-11
IC191	J-2
IC701	E-14
IC801	B-14
IC911	E-3
IC912	F-3
IC913	F-3
IC951	E-5
Q101	D-4
Q181	I-11
Q182	I-11
Q183	I-11
Q184	I-12
Q185	I-12
Q186	I-11
Q601	E-13
Q602	E-12
Q603	E-12
Q605	E-12
Q606	E-12
Q607	E-12
Q611	F-2
Q621	F-2
Q622	F-2
Q631	J-8
Q632	J-8
Q633	J-8
Q634	J-8
Q701	F-13
Q751	D-13
Q801	D-13
Q841	F-12
Q842	F-12
Q851	A-13
Q961	F-4

Note:
 ○ : parts extracted from the component side.
 ■ : Pattern on the side which enables seen.
 • Abbreviation
 G: German
 IT: Italian
 AUS: Australian
 EA: Saudi Arabia
 HK: Hong Kong
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 SP: Singapore

2-4. PRINTED WIRING BOARDS - Main Section -





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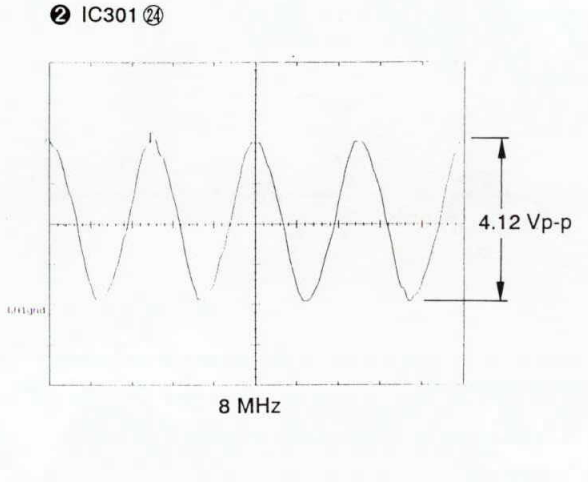
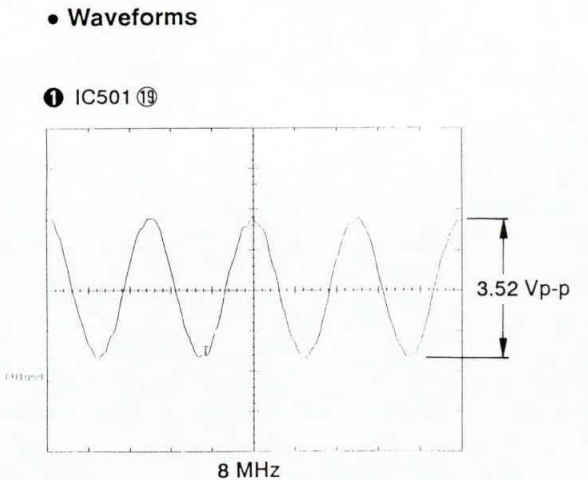
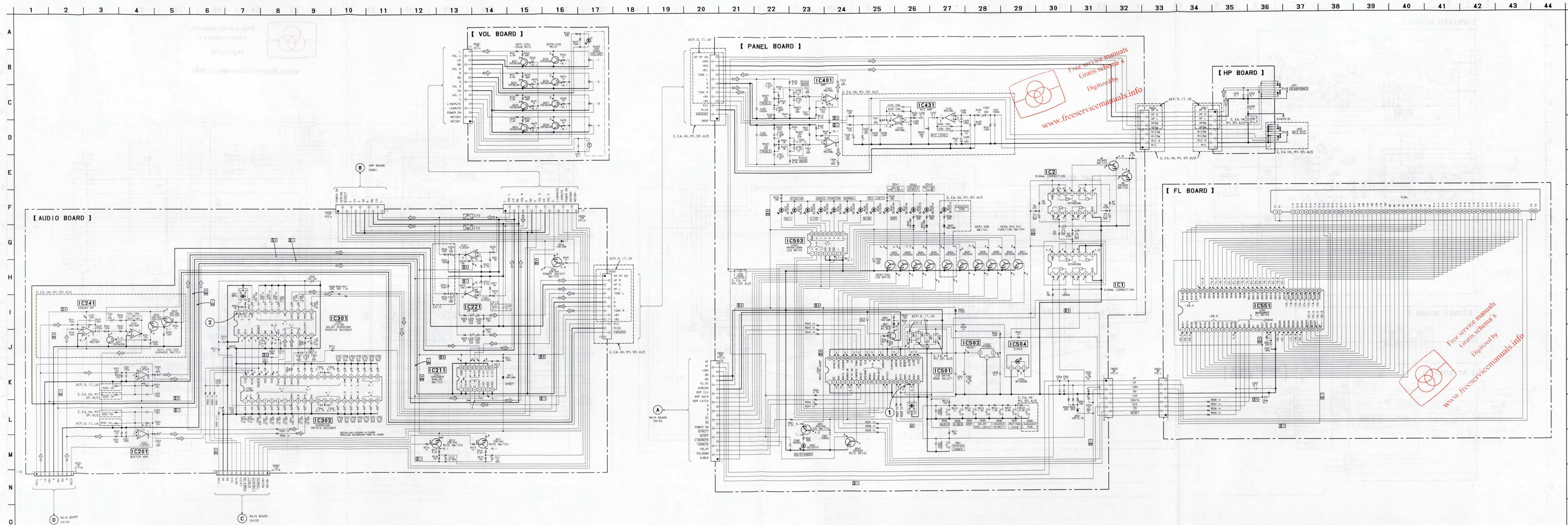
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- Note:**
- All capacitors are in μF unless otherwise noted. pF: μpF 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.
 - : nonflammable resistor.
 - : fusible resistor.

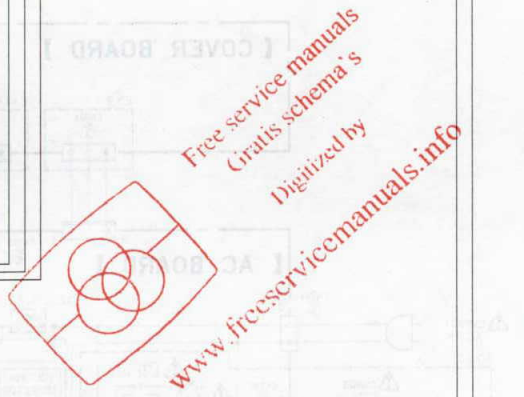
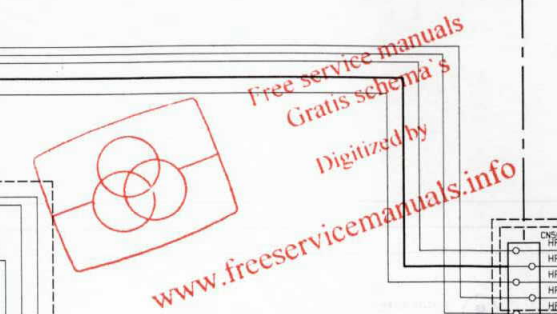
Note: The components identified by mark or dotted line are critical for safety. Replace only with part number specified.

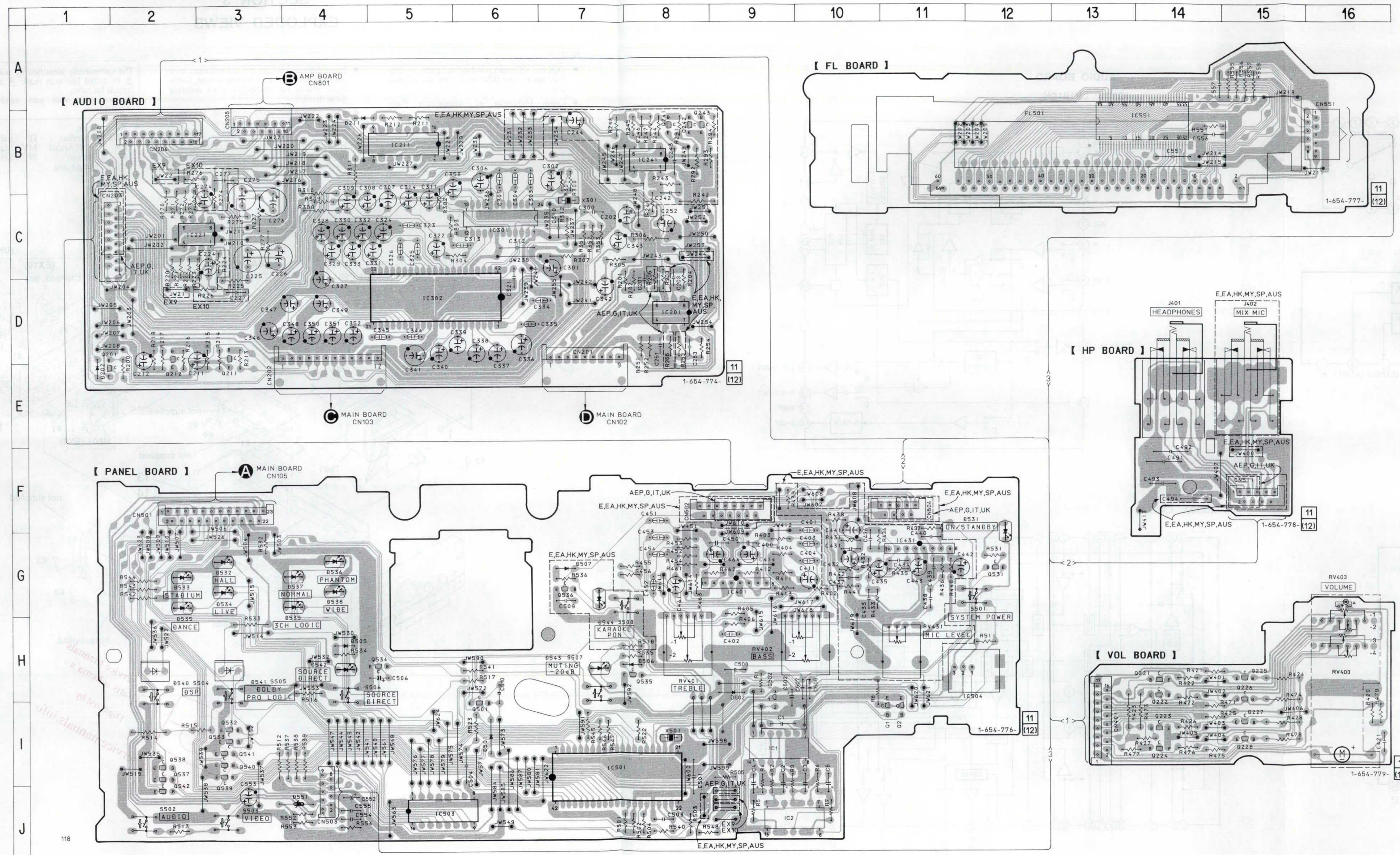
- : B + Line.
- : B - Line.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input Impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- : TUNER
- Abbreviation
- G: German
- IT: Italian
- AUS: Australian
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2-6. SCHEMATIC DIAGRAM - Panel Section - Refer to page 24 for IC Block Diagrams.



- Note:
- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.
 - Δ : internal component.
 - $B+$: B + Line.
 - $B-$: B - Line.
 - Voltages and waveforms are dc with respect to ground under no-signal conditions.
 - Voltages are taken with a VOM (Input Impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
 - Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Signal path.
 - \hookrightarrow : TUNER
 - Abbreviation
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• Semiconductor Location

Ref. No.	Location
D202	E-1
D211	B-4
D501	I-6
D502	H-9
D505	H-4
D506	H-8
D507	G-7
D531	F-12
D532	G-3
D533	G-2
D534	G-3
D535	G-2
D536	G-4
D537	G-4
D538	G-4
D539	G-4
D540	H-2
D541	H-3
D542	H-4
D543	H-7
D544	G-7
D551	J-4
IC1	I-9
IC2	J-9
IC201	D-8
IC211	B-5
IC221	C-2
IC241	B-8
IC301	C-6
IC302	D-5
IC401	G-9
IC431	G-11
IC501	I-7
IC502	H-9
IC503	J-5
IC504	H-12
IC551	B-14
Q1	I-11
Q2	I-11
Q201	E-1
Q211	D-3
Q212	D-2
Q221	H-14
Q222	H-14
Q223	I-14
Q224	I-14
Q225	H-15
Q226	H-15
Q227	I-15
Q228	I-15
Q241	B-8
Q242	B-8
Q243	B-8
Q501	I-6
Q531	G-12
Q532	I-3
Q533	I-3
Q534	H-5
Q535	H-8
Q536	G-7
Q537	I-2
Q538	I-2
Q539	I-3
Q540	I-3
Q541	I-3
Q542	J-2

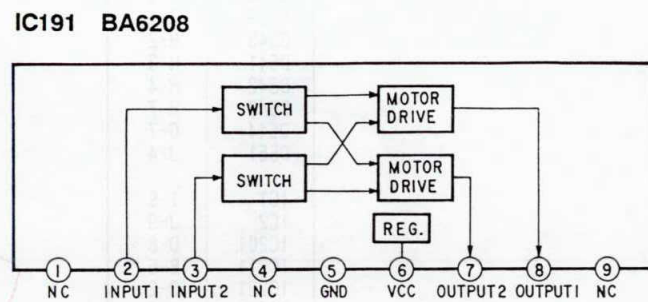
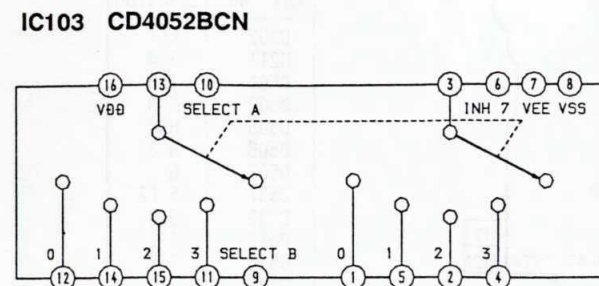
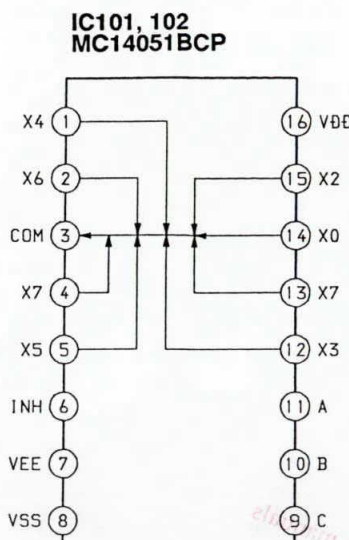
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Note:
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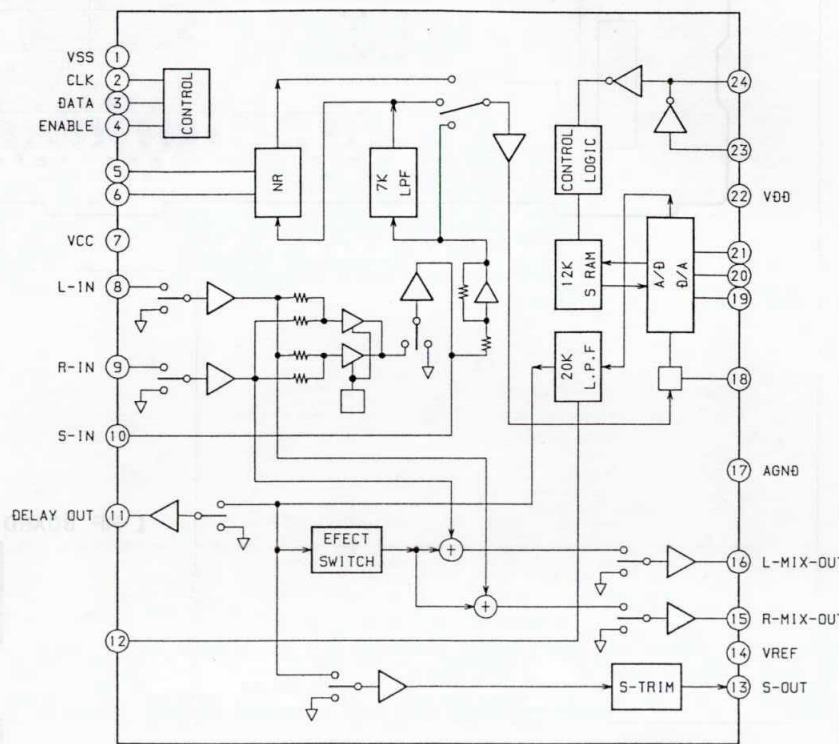
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SECTION 3 EXPLODED VIEWS

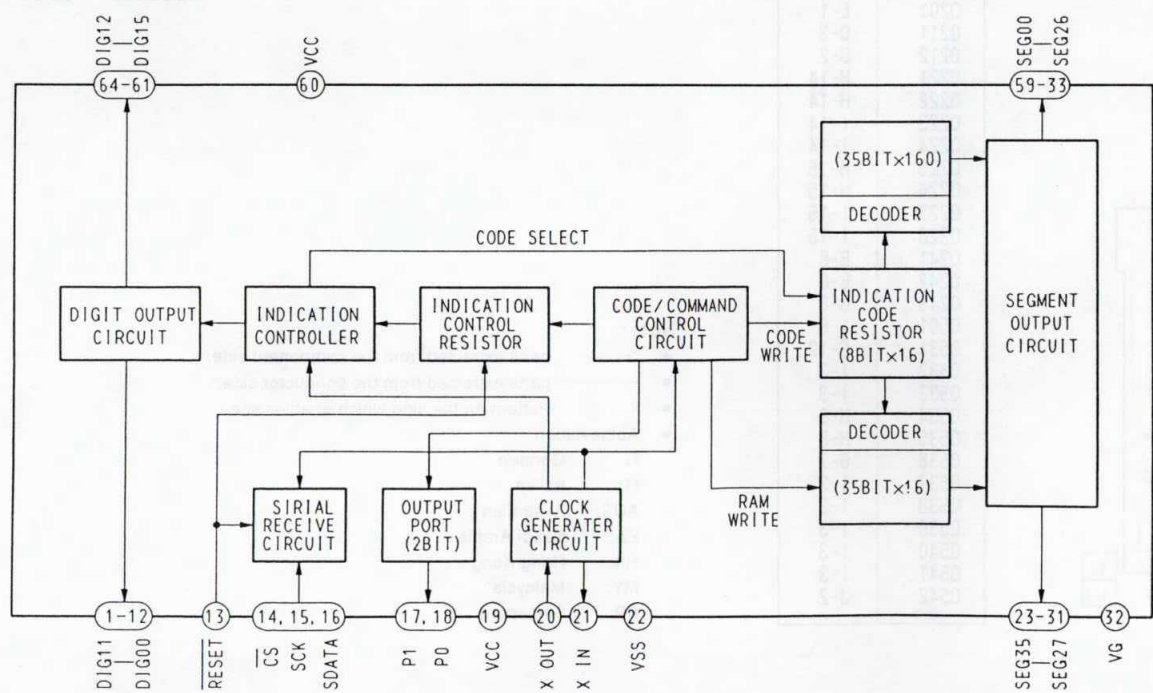
• IC Block Diagrams - MAIN BOARD -



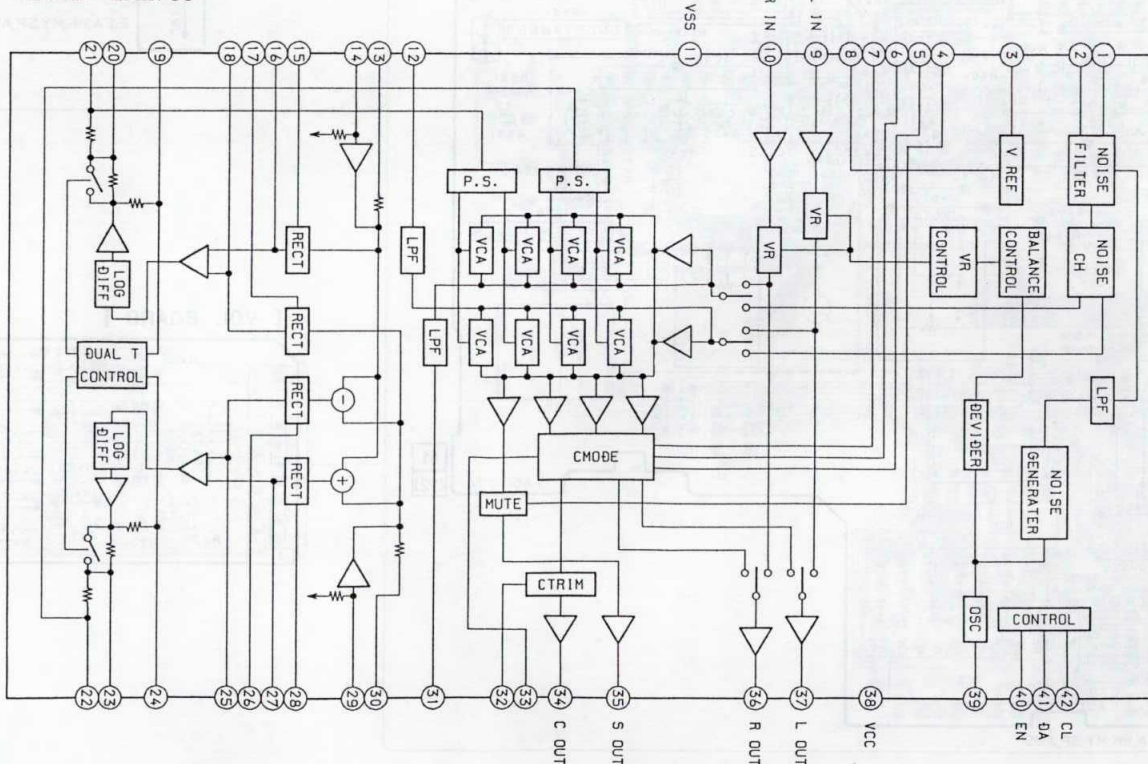
- AUDIO BOARD - IC301 LV1010N



- FL BOARD - IC551 M66004



IC302 LA2785



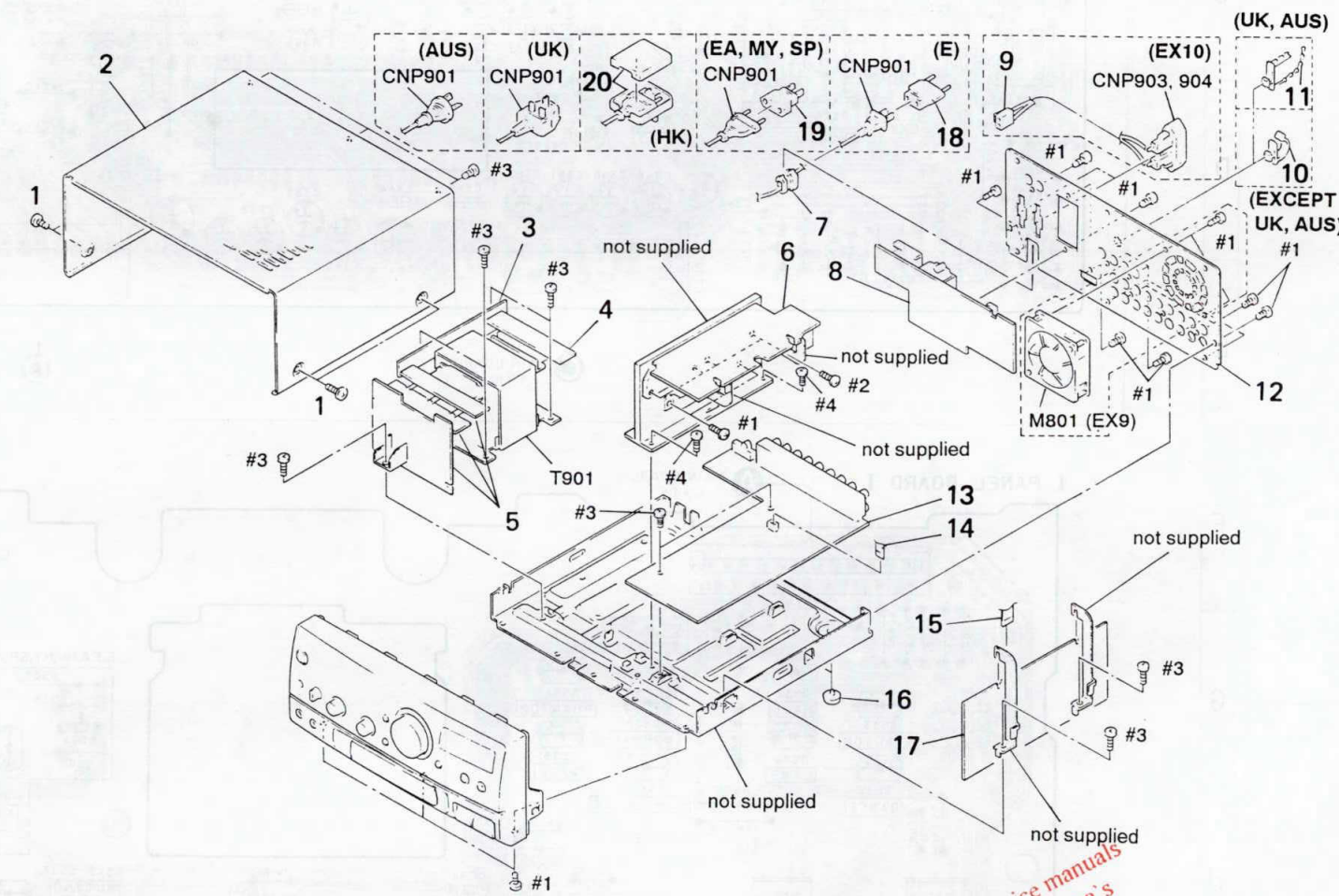
NOTE:

- XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example: KNOB, BALANCE (WHITE) ... (RED)
↑ Parts Color ↑ Cabinet's Color
- 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 the electrical parts list.

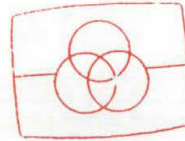
The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

- Abbreviation
AUS : Australian IT : Italian
EA : Saudi Arabia MY : Malaysia
G : German SP : Singapore
HK : Hong Kong

(1) CHASSIS SECTION



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Ref. No.	Part No.	Description	Remark
1	3-363-099-01	SCREW (CASE 3 TP2)	
2	3-919-558-51	CASE (EX9)	
2	3-919-558-71	CASE (EX10)	
* 3	1-654-784-11	COVER, BOARD	
* 4	1-654-782-11	TRANSFORMER BOARD	
* 5	1-654-781-11	AC BOARD	
* 6	A-4377-008-A	AMP BOARD, COMPLETE (EX9:E, EA, MY, SP, HK, AUS)	
* 6	A-4377-024-A	AMP BOARD, COMPLETE (EX10:AEP, UK, G, IT)	
* 6	A-4377-025-A	AMP BOARD, COMPLETE (EX10:E, EA, MY, SP, HK, AUS)	
* 6	A-4377-007-A	AMP BOARD, COMPLETE (EX9:AEP, UK, G, IT)	
* 7	3-703-244-00	BUSHING (2104), CORD (EXCEPT E)	
* 7	3-703-571-11	BUSHING (S) (4516), CORD (E)	
* 8	A-4377-000-A	SP BOARD, COMPLETE (EX9)	
* 8	A-4377-017-A	SP BOARD, COMPLETE (EX10)	
9	1-751-216-52	LEAD (WITH CONNECTOR) (2 CORE) (EX10)	
* 10	4-949-235-01	HOOK (EXCEPT UK, AUS)	
11	4-956-370-02	BAND, PLUG FIXED (UK, AUS)	
* 12	4-970-971-01	PANEL, BACK (EX9:AEP)	
* 12	4-970-971-11	PANEL, BACK (EX9:G)	
* 12	4-970-971-21	PANEL, BACK (EX9:E, EA, MY, SP)	
* 12	4-970-971-31	PANEL, BACK (EX9:UK)	
* 12	4-970-971-41	PANEL, BACK (EX9:IT)	
* 12	4-970-971-51	PANEL, BACK (EX9:AUS)	
* 12	4-970-971-61	PANEL, BACK (EX9:HK)	
* 12	4-970-972-01	PANEL, BACK (EX10:AEP)	
* 12	4-970-972-11	PANEL, BACK (EX10:G)	
* 12	4-970-972-21	PANEL, BACK (EX10:E, EA, MY, SP)	
* 12	4-970-972-31	PANEL, BACK (EX10:UK)	
* 12	4-970-972-41	PANEL, BACK (EX10:IT)	
* 12	4-970-972-51	PANEL, BACK (EX10:AUS)	
* 12	4-970-972-61	PANEL, BACK (EX10:HK)	

Ref. No.	Part No.	Description	Remark
* 13	A-4371-996-A	MAIN BOARD, COMPLETE (EX9:AEP, UK, G, IT)	
* 13	A-4371-997-A	MAIN BOARD, COMPLETE (EX9:E, EA, MY, SP, HK, AUS)	
* 13	A-4377-013-A	MAIN BOARD, COMPLETE (EX10:AEP, UK, G, IT)	
* 13	A-4377-014-A	MAIN BOARD, COMPLETE (EX10:E, EA, MY, SP, HK, AUS)	
14	1-769-847-11	WIRE (FLAT TYPE) (5 CORE) (EX10)	
14	1-769-881-11	WIRE (FLAT TYPE) (7 CORE) (EX9)	
15	1-769-940-11	WIRE (FLAT TYPE) (11 CORE)	
16	4-965-822-01	FOOT	
* 17	A-4371-998-A	AUDIO BOARD, COMPLETE (EX9:AEP, UK, G, IT)	
* 17	A-4371-999-A	AUDIO BOARD, COMPLETE (EX9:E, EA, MY, SP, HK, AUS)	
* 17	A-4377-015-A	AUDIO BOARD, COMPLETE (EX10:AEP, UK, G, IT)	
* 17	A-4377-016-A	AUDIO BOARD, COMPLETE (EX10:E, EA, MY, SP, HK, AUS)	
△18	1-569-007-11	ADAPTER, CONVERSION 2P (E)	
△19	1-569-008-11	ADAPTER, CONVERSION 2P (EA, MY, SP)	
△20	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (HK)	
△CN903	1-526-794-11	OUTLET, AC (AC OUTLET) (EX10)	
△CN904	1-526-794-11	OUTLET, AC (AC OUTLET) (EX10)	
△CNP901	1-558-943-41	CORD, POWER (E)	
△CNP901	1-575-651-21	CORD, POWER (AEP, G, IT, EA, MY, SP, HK)	
△CNP901	1-696-571-11	CORD, POWER (UK)	
△CNP901	1-696-845-11	CORD, POWER (AUS)	
M801	1-698-209-11	MOTOR, DC FAN (FAN MOTOR) (EX9)	
△T901	1-427-702-11	TRANSFORMER, POWER (EX10:E, EA, MY, SP, HK, AUS)	
△T901	1-427-703-11	TRANSFORMER, POWER (EX10:AEP, UK, G, IT)	
△T901	1-427-704-11	TRANSFORMER, POWER (EX9:E, EA, MY, SP, HK, AUS)	
△T901	1-427-705-11	TRANSFORMER, POWER (EX9:AEP, UK, G, IT)	

SECTION 4 ELECTRICAL PARTS LIST

AC

AMP

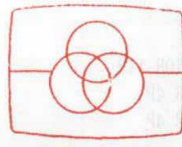
NOTE:

- 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 and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
AUS: Australian IT: Italian
EA: Saudi Arabia MY: Malaysia
G: German SP: Singapore
HK: Hong Kong

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u: μ , for example:
uA ... μ A. uPA... μ PA.
uPB... μ PB. uPC... μ PC. uPD... μ PD.
- CAPACITORS
uF: μ F
- COILS
uH: μ H

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

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



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Ref. No.	Part No.	Description	Remark
*	1-654-781-11	AC BOARD *****	
	1-533-293-11	FUSE HOLDER < CAPACITOR >	
Δ C991	1-161-744-51	CERAMIC 0.01uF 400V (EX10) < CONNECTOR >	
	CN901	1-580-230-11 PIN, CONNECTOR (PC BOA D) 2P	
*	CN902	1-569-499-11 PIN, CONNECTOR 3P	
Δ CN903	1-526-794-11	OUTLET, AC (AC OUTLET) (EX10)	
	CN991	1-564-321-00 PIN, CONNECTOR 2P (EX10)	
	CN992	1-564-321-00 PIN, CONNECTOR 2P (EX10)	
*	CN993	1-564-506-11 PLUG, CONNECTOR 3P (EX10) < DIODE >	
	D991	8-719-987-63 DIODE 1N4148M (EX10) < FUSE >	
Δ F901	1-532-259-00	FUSE, TIME LAG (1.6A 250V) (EX9)	
Δ F901	1-532-284-00	FUSE, CYLINDRICAL (0.63A 250V) (EX10)	
Δ F902	1-532-237-00	FUSE, TIME LAG (3.15A 250V) (EX9: E, EA, MY, SP, HK, AUS)	
Δ F902	1-532-285-00	FUSE, TIME LAG (1.25A 250V) (EX10: E, EA, MY, SP, HK, AUS)	
Δ F903	1-532-286-00	FUSE, TIME LAG (2.5A 250V) (EX10) < RELAY >	
Δ RY991	1-755-065-11	RELAY (EX10) < SWITCH >	
Δ S901	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (E, EA, MY, SP, HK, AUS)	

Ref. No.	Part No.	Description	Remark
*	A-4377-007-A	AMP BOARD, COMPLETE (EX9: AEP, G, IT, UK)	
*	A-4377-008-A	AMP BOARD, COMPLETE (EX9: E, EA, MY, SP, HK, AUS)	
*	A-4377-024-A	AMP BOARD, COMPLETE (EX10: AEP, G, IT, UK)	
*	A-4377-025-A	AMP BOARD, COMPLETE (EX10: E, EA, MY, SP, HK, AUS) ***** < CAPACITOR >	
	C601	1-124-443-00 ELECT 100uF 20% 10V	
	C602	1-124-907-11 ELECT 10uF 20% 50V	
	C603	1-162-294-31 CERAMIC 0.001uF 10% 50V	
	C701	1-124-925-11 ELECT 2.2uF 20% 100V	
	C702	1-162-282-31 CERAMIC 100PF 10% 50V	
	C703	1-124-910-11 ELECT 47uF 20% 50V	
	C704	1-124-916-11 ELECT 22uF 20% 63V	
	C706	1-124-916-11 ELECT 22uF 20% 63V	
	C707	1-164-159-11 CERAMIC 0.1uF 50V	
	C708	1-164-159-11 CERAMIC 0.1uF 50V	
	C709	1-124-916-11 ELECT 22uF 20% 63V	
	C751	1-124-925-11 ELECT 2.2uF 20% 100V	
	C752	1-162-282-31 CERAMIC 100PF 10% 50V	
	C753	1-124-910-11 ELECT 47uF 20% 50V	
	C754	1-124-916-11 ELECT 22uF 20% 63V	
	C757	1-164-159-11 CERAMIC 0.1uF 50V	
	C758	1-164-159-11 CERAMIC 0.1uF 50V	
	C759	1-124-916-11 ELECT 22uF 20% 63V	
	C801	1-124-925-11 ELECT 2.2uF 20% 100V (EX9)	
	C802	1-164-070-11 CERAMIC 100PF 5% 50V (EX9)	
	C803	1-124-910-11 ELECT 47uF 20% 50V (EX9)	
	C804	1-124-910-11 ELECT 47uF 20% 50V (EX9)	
	C805	1-124-122-11 ELECT 100uF 20% 50V (EX9)	
	C806	1-124-916-11 ELECT 22uF 20% 63V (EX9)	
	C807	1-136-165-00 FILM 0.1uF 5% 50V (EX9)	
	C808	1-136-165-00 FILM 0.1uF 5% 50V (EX9)	

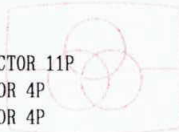
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AMP

Ref. No.	Part No.	Description	Remark
C809	1-124-916-11	ELECT 22uF	20% 63V (EX9)
C851	1-124-925-11	ELECT 2. 2uF	20% 100V (EX9)
C852	1-164-070-11	CERAMIC 100PF	5% 50V (EX9)
C853	1-124-910-11	ELECT 47uF	20% 50V (EX9)
C854	1-124-910-11	ELECT 47uF	20% 50V (EX9)
C855	1-124-122-11	ELECT 100uF	20% 50V (EX9)
C857	1-136-165-00	FILM 0. 1uF	5% 50V (EX9)
C858	1-136-165-00	FILM 0. 1uF	5% 50V (EX9)
C859	1-124-916-11	ELECT 22uF	20% 63V (EX9)

< CONNECTOR >

* CN801	1-568-830-11	SOCKET, CONNECTOR 11P
* CN803	1-564-507-11	PLUG, CONNECTOR 4P
* CN805	1-564-507-11	PLUG, CONNECTOR 4P



< DIODE >

D601	8-719-987-63	DIODE 1N4148M
D602	8-719-987-63	DIODE 1N4148M
D603	8-719-987-63	DIODE 1N4148M
D701	8-719-987-63	DIODE 1N4148M
D702	8-719-987-63	DIODE 1N4148M
D751	8-719-987-63	DIODE 1N4148M
D801	8-719-987-63	DIODE 1N4148M (EX9)
D802	8-719-987-63	DIODE 1N4148M (EX9)
D803	8-719-987-63	DIODE 1N4148M (EX10)
D851	8-719-987-63	DIODE 1N4148M (EX9)

< IC >

IC701	8-749-920-19	IC STK4122MK2
IC801	8-749-920-10	IC STK4172MK2 (EX9)

< TRANSISTOR >

Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE
Q602	8-729-620-05	TRANSISTOR 2SC2603-EF
Q603	8-729-620-05	TRANSISTOR 2SC2603-EF
Q605	8-729-620-05	TRANSISTOR 2SC2603-EF
Q606	8-729-620-05	TRANSISTOR 2SC2603-EF
Q607	8-729-620-05	TRANSISTOR 2SC2603-EF
Q701	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q751	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA
Q801	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA (EX9)
Q841	8-729-620-05	TRANSISTOR 2SC2603-EF (EX9)
Q842	8-729-900-36	TRANSISTOR DTC124ES (EX9)
Q851	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA (EX9)

< RESISTOR >

△R600	1-212-857-00	FUSIBLE 10 5%	1/4W F
R601	1-249-441-11	CARBON 100K 5%	1/4W
R602	1-249-441-11	CARBON 100K 5%	1/4W

Ref. No.	Part No.	Description	Remark
R603	1-249-441-11	CARBON 100K 5%	1/4W
R604	1-249-429-11	CARBON 10K 5%	1/4W
R605	1-249-425-11	CARBON 4. 7K 5%	1/4W
R606	1-249-441-11	CARBON 100K 5%	1/4W
R607	1-249-425-11	CARBON 4. 7K 5%	1/4W
R608	1-249-441-11	CARBON 100K 5%	1/4W
R701	1-249-417-11	CARBON 1K 5%	1/4W
R702	1-249-438-11	CARBON 56K 5%	1/4W
R703	1-249-411-11	CARBON 330 5%	1/4W
R704	1-249-438-11	CARBON 56K 5%	1/4W
R705	1-260-103-11	CARBON 2. 2K 5%	1/2W
R706	1-260-103-11	CARBON 2. 2K 5%	1/2W
△R708	1-217-151-00	RES, METAL PLATE 0. 22	F
R709	1-260-076-11	CARBON 10 5%	1/2W
△R710	1-212-857-00	FUSIBLE 10 5%	1/4W F
R711	1-249-417-11	CARBON 1K 5%	1/4W
R712	1-249-431-11	CARBON 15K 5%	1/4W
R713	1-249-441-11	CARBON 100K 5%	1/4W
R714	1-260-099-11	CARBON 1K 5%	1/2W
R716	1-260-099-11	CARBON 1K 5%	1/2W
R718	1-249-437-11	CARBON 47K 5%	1/4W
R721	1-249-441-11	CARBON 100K 5%	1/4W
R722	1-249-441-11	CARBON 100K 5%	1/4W
R751	1-249-417-11	CARBON 1K 5%	1/4W
R752	1-249-438-11	CARBON 56K 5%	1/4W
R753	1-249-411-11	CARBON 330 5%	1/4W
R754	1-249-438-11	CARBON 56K 5%	1/4W
R755	1-260-103-11	CARBON 2. 2K 5%	1/2W
R756	1-260-103-11	CARBON 2. 2K 5%	1/2W
△R758	1-217-151-00	RES, METAL PLATE 0. 22	F
R759	1-260-076-11	CARBON 10 5%	1/2W
R761	1-249-417-11	CARBON 1K 5%	1/4W
R762	1-249-431-11	CARBON 15K 5%	1/4W
R763	1-249-441-11	CARBON 100K 5%	1/4W
R768	1-249-438-11	CARBON 56K 5%	1/4W
R801	1-249-417-11	CARBON 1K 5%	1/4W (EX9)
R802	1-249-438-11	CARBON 56K 5%	1/4W (EX9)
R803	1-249-415-11	CARBON 680 5%	1/4W (EX9)
R804	1-249-438-11	CARBON 56K 5%	1/4W (EX9)
R805	1-260-103-11	CARBON 2. 2K 5%	1/2W (EX9)
R806	1-260-103-11	CARBON 2. 2K 5%	1/2W (EX9)
△R807	1-212-881-11	FUSIBLE 100 5%	1/4W F (EX9)
△R808	1-217-151-00	RES, METAL PLATE 0. 22	F (EX9)
R809	1-260-076-11	CARBON 10 5%	1/2W (EX9)
△R810	1-212-857-00	FUSIBLE 10 5%	1/4W F (EX9)
R811	1-249-417-11	CARBON 1K 5%	1/4W (EX9)
R812	1-249-431-11	CARBON 15K 5%	1/4W (EX9)
R813	1-249-441-11	CARBON 100K 5%	1/4W (EX9)

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

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Ref. No.	Part No.	Description	Remark
R814	1-260-103-11	CARBON	2.2K 5% 1/2W (EX9)
R815	1-260-103-11	CARBON	2.2K 5% 1/2W (EX9)
R816	1-260-103-11	CARBON	2.2K 5% 1/2W (EX9)
R817	1-260-103-11	CARBON	2.2K 5% 1/2W (EX9)
R818	1-249-437-11	CARBON	47K 5% 1/4W (EX9)
R821	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R841	1-249-437-11	CARBON	47K 5% 1/4W (EX9)
R842	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R843	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R851	1-249-417-11	CARBON	1K 5% 1/4W (EX9)
R852	1-249-438-11	CARBON	56K 5% 1/4W (EX9)
R853	1-249-415-11	CARBON	680 5% 1/4W (EX9)
R854	1-249-438-11	CARBON	56K 5% 1/4W (EX9)
R855	1-260-103-11	CARBON	2.2K 5% 1/2W (EX9)
R856	1-260-103-11	CARBON	2.2K 5% 1/2W (EX9)
△R857	1-212-881-11	FUSIBLE	100 5% 1/4W F (EX9)
△R858	1-217-151-00	RES, METAL PLATE	0.22 F (EX9)
R859	1-260-076-11	CARBON	10 5% 1/2W (EX9)
R861	1-249-417-11	CARBON	1K 5% 1/4W (EX9)
R862	1-249-431-11	CARBON	15K 5% 1/4W (EX9)
R863	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R868	1-249-438-11	CARBON	56K 5% 1/4W (EX9)
< RELAY >			
RY701	1-515-920-11	RELAY (24V)	
RY801	1-515-920-11	RELAY (24V) (EX9)	
RY802	1-515-804-11	RELAY (EX10)	
< THERMISTOR >			
TH801	1-807-796-11	THERMISTOR (EX9)	

*	A-4371-998-A	AUDIO BOARD, COMPLETE (EX9:AEP, G, IT, UK)	
*	A-4371-999-A	AUDIO BOARD, COMPLETE (EX9:E, EA, MY, SP, HK, AUS)	
*	A-4377-015-A	AUDIO BOARD, COMPLETE (EX10:AEP, G, IT, UK)	
*	A-4377-016-A	AUDIO BOARD, COMPLETE (EX10:E, EA, MY, SP, HK, AUS)	

< CAPACITOR >			
C201	1-164-070-11	CERAMIC	100PF 5% 50V
C202	1-124-907-11	ELECT	10uF 20% 50V
C203	1-164-070-11	CERAMIC	100PF 5% 50V
C211	1-124-907-11	ELECT	10uF 20% 50V
C212	1-124-907-11	ELECT	10uF 20% 50V
C224	1-124-907-11	ELECT	10uF 20% 50V (EX10)
C225	1-124-472-11	ELECT	470uF 20% 10V
C226	1-124-472-11	ELECT	470uF 20% 10V
C227	1-164-159-11	CERAMIC	0.1uF 50V (EX10)

Ref. No.	Part No.	Description	Remark
C242	1-162-282-31	CERAMIC	100PF 10% 50V (E, EA, MY, SP, HK, AUS)
C243	1-162-600-11	CERAMIC	0.0047uF 20% 16V (E, EA, MY, SP, HK, AUS)
C244	1-124-907-11	ELECT	10uF 20% 50V (E, EA, MY, SP, HK, AUS)
C246	1-162-282-31	CERAMIC	100PF 10% 50V (E, EA, MY, SP, HK, AUS)
C251	1-164-070-11	CERAMIC	100PF 5% 50V
C252	1-124-907-11	ELECT	10uF 20% 50V
C253	1-164-070-11	CERAMIC	100PF 5% 50V
C274	1-124-907-11	ELECT	10uF 20% 50V (EX10)
C275	1-124-472-11	ELECT	470uF 20% 10V
C276	1-124-472-11	ELECT	470uF 20% 10V
C277	1-164-159-11	CERAMIC	0.1uF 50V (EX10)
C300	1-162-286-21	CERAMIC	220PF 10% 50V
C301	1-124-443-00	ELECT	100uF 20% 10V
C302	1-104-666-11	ELECT	220uF 20% 10V
C303	1-136-159-00	FILM	0.033uF 5% 50V
C304	1-130-473-00	MYLAR	0.0015uF 5% 50V
C305	1-136-159-00	FILM	0.033uF 5% 50V
C306	1-124-903-11	ELECT	1uF 20% 50V
C307	1-124-907-11	ELECT	10uF 20% 50V
C308	1-124-907-11	ELECT	10uF 20% 50V
C309	1-124-907-11	ELECT	10uF 20% 50V
C310	1-164-159-11	CERAMIC	0.1uF 50V
C311	1-124-925-11	ELECT	2.2uF 20% 100V
C312	1-164-159-11	CERAMIC	0.1uF 50V
C313	1-136-159-00	FILM	0.033uF 5% 50V
C314	1-124-907-11	ELECT	10uF 20% 50V
C321	1-162-292-31	CERAMIC	680PF 10% 50V
C322	1-124-907-11	ELECT	10uF 20% 50V
C323	1-136-173-00	FILM	0.47uF 5% 50V
C324	1-124-477-11	ELECT	47uF 20% 25V
C325	1-136-165-00	FILM	0.1uF 5% 50V
C326	1-136-165-00	FILM	0.1uF 5% 50V
C327	1-124-465-00	ELECT	0.47uF 20% 50V
C328	1-126-963-11	ELECT	4.7uF 20% 50V
C329	1-124-465-00	ELECT	0.47uF 20% 50V
C330	1-126-963-11	ELECT	4.7uF 20% 50V
C331	1-124-250-11	ELECT	0.15uF 20% 50V
C332	1-126-962-11	ELECT	3.3uF 20% 50V
C333	1-124-250-11	ELECT	0.15uF 20% 50V
C334	1-136-157-00	FILM	0.022uF 5% 50V
C335	1-136-161-00	FILM	0.047uF 5% 50V
C336	1-104-666-11	ELECT	220uF 20% 10V
C337	1-124-907-11	ELECT	10uF 20% 50V
C338	1-124-907-11	ELECT	10uF 20% 50V
C339	1-124-907-11	ELECT	10uF 20% 50V

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

AUDIO

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C340	1-124-907-11	ELECT	10uF 20% 50V	R202	1-249-430-11	CARBON	12K 5% 1/4W
C341	1-104-666-11	ELECT	220uF 20% 10V	R203	1-249-429-11	CARBON	10K 5% 1/4W (E, EA, MY, SP, HK, AUS)
C342	1-124-907-11	ELECT	10uF 20% 50V	R204	1-249-430-11	CARBON	12K 5% 1/4W
C343	1-124-907-11	ELECT	10uF 20% 50V	R205	1-249-429-11	CARBON	10K 5% 1/4W (AEP, G, IT, UK)
C344	1-136-165-00	FILM	0.1uF 5% 50V	R211	1-249-441-11	CARBON	100K 5% 1/4W
C345	1-136-165-00	FILM	0.1uF 5% 50V	R212	1-249-417-11	CARBON	1K 5% 1/4W
C346	1-124-465-00	ELECT	0.47uF 20% 50V	R213	1-249-417-11	CARBON	1K 5% 1/4W
C347	1-126-963-11	ELECT	4.7uF 20% 50V	R214	1-249-421-11	CARBON	2.2K 5% 1/4W
C348	1-124-465-00	ELECT	0.47uF 20% 50V	R215	1-249-429-11	CARBON	10K 5% 1/4W
C349	1-126-963-11	ELECT	4.7uF 20% 50V	R216	1-249-417-11	CARBON	1K 5% 1/4W
C350	1-124-250-11	ELECT	0.15uF 20% 50V	R217	1-249-421-11	CARBON	2.2K 5% 1/4W
C351	1-126-962-11	ELECT	3.3uF 20% 50V	R218	1-249-429-11	CARBON	10K 5% 1/4W
C352	1-124-250-11	ELECT	0.15uF 20% 50V	R220	1-249-417-11	CARBON	1K 5% 1/4W
C353	1-124-443-00	ELECT	100uF 20% 10V	R221	1-247-903-00	CARBON	1M 5% 1/4W
< CONNECTOR >				R222	1-249-422-11	CARBON	2.7K 5% 1/4W
* CN201	1-569-504-11	PIN, CONNECTOR	9P	R223	1-249-429-11	CARBON	10K 5% 1/4W
* CN202	1-569-507-11	PIN, CONNECTOR	12P	R224	1-249-441-11	CARBON	100K 5% 1/4W (EX10)
* CN203	1-568-830-11	SOCKET, CONNECTOR	11P (AEP, G, IT, UK)	R224	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
* CN203	1-568-834-11	SOCKET, CONNECTOR	15P (E, EA, MY, SP, HK, AUS)	R225	1-249-399-11	CARBON	33 5% 1/4W
CN204	1-568-860-11	SOCKET, CONNECTOR	17P	R226	1-249-413-11	CARBON	470 5% 1/4W (EX10)
* CN205	1-568-854-11	SOCKET, CONNECTOR	11P	R227	1-249-429-11	CARBON	10K 5% 1/4W
< DIODE >				R241	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
D202	8-719-987-63	DIODE	1N4148M	R242	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
D211	8-719-987-63	DIODE	1N4148M	R243	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
< IC >				R244	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
IC201	8-759-910-83	IC	TL072ACP	R245	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
IC211	8-759-140-53	IC	uPD4053BC	R246	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
IC221	8-759-910-83	IC	TL072ACP	R247	1-249-441-11	CARBON	100K 5% 1/4W (E, EA, MY, SP, HK, AUS)
IC241	8-759-634-51	IC	M5218AP (E, EA, HK, MY, SP, AUS)	R251	1-249-429-11	CARBON	10K 5% 1/4W
IC301	8-759-168-98	IC	LV1010N	R252	1-249-430-11	CARBON	12K 5% 1/4W
IC302	8-759-248-74	IC	LA2785	R253	1-249-429-11	CARBON	10K 5% 1/4W (E, EA, MY, SP, HK, AUS)
< TRANSISTOR >				R254	1-249-430-11	CARBON	12K 5% 1/4W
Q201	8-729-900-63	TRANSISTOR	DTA124ES	R255	1-249-429-11	CARBON	10K 5% 1/4W (AEP, G, IT, UK)
Q211	8-729-900-63	TRANSISTOR	DTA124ES	R270	1-249-417-11	CARBON	1K 5% 1/4W
Q212	8-729-900-63	TRANSISTOR	DTA124ES	R271	1-247-903-00	CARBON	1M 5% 1/4W
Q241	8-729-141-30	TRANSISTOR	2SC3623A-LK (E, EA, MY, SP, HK, AUS)	R272	1-249-422-11	CARBON	2.7K 5% 1/4W
Q242	8-729-900-63	TRANSISTOR	DTA124ES (E, EA, MY, SP, HK, AUS)	R273	1-249-429-11	CARBON	10K 5% 1/4W
Q243	8-729-900-63	TRANSISTOR	DTA124ES (E, EA, MY, SP, HK, AUS)	R274	1-249-441-11	CARBON	100K 5% 1/4W (EX10)
< RESISTOR >							
R200	1-249-417-11	CARBON	1K 5% 1/4W				
R201	1-249-429-11	CARBON	10K 5% 1/4W				

AUDIO **COVER** **FL** **HP** **MAIN**

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Ref. No.	Part No.	Description	Remark
R275	1-249-399-11	CARBON 33 5% 1/4W	
R276	1-249-413-11	CARBON 470 5% 1/4W(EX10)	
R277	1-249-429-11	CARBON 10K 5% 1/4W	
R291	1-249-429-11	CARBON 10K 5% 1/4W (E, EA, MY, SP, HK, AUS)	
R292	1-249-441-11	CARBON 100K 5% 1/4W (E, EA, MY, SP, HK, AUS)	
R293	1-249-441-11	CARBON 100K 5% 1/4W (E, EA, MY, SP, HK, AUS)	
R294	1-249-417-11	CARBON 1K 5% 1/4W (E, EA, MY, SP, HK, AUS)	
R300	1-247-903-00	CARBON 1M 5% 1/4W	
R301	1-249-411-11	CARBON 330 5% 1/4W	
R302	1-249-436-11	CARBON 39K 5% 1/4W	
R303	1-249-436-11	CARBON 39K 5% 1/4W	
R304	1-249-432-11	CARBON 18K 5% 1/4W	
R305	1-249-417-11	CARBON 1K 5% 1/4W	
R306	1-249-417-11	CARBON 1K 5% 1/4W	
R307	1-249-389-11	CARBON 4.7 5% 1/4W	
R308	1-249-411-11	CARBON 330 5% 1/4W	
R309	1-249-411-11	CARBON 330 5% 1/4W	
R310	1-249-418-11	CARBON 1.2K 5% 1/4W	
R311	1-249-418-11	CARBON 1.2K 5% 1/4W	
R312	1-249-417-11	CARBON 1K 5% 1/4W	
R351	1-249-417-11	CARBON 1K 5% 1/4W	
R352	1-249-417-11	CARBON 1K 5% 1/4W	
R353	1-249-417-11	CARBON 1K 5% 1/4W	
< VIBRATOR >			
X301	1-579-125-11	VIBRATOR, CERAMIC (8MHz)	

*	1-654-784-11	COVER BOARD *****	
< CONNECTOR >			
CN903	1-569-490-11	SOCKET, CONNECTOR 3P (EX9)	
* CN904	1-569-499-11	PIN, CONNECTOR 3P	
CN905	1-569-490-11	SOCKET, CONNECTOR 3P	
CN906	1-569-490-11	SOCKET, CONNECTOR 3P (EX10)	

*	1-654-777-11	FL BOARD *****	
*	4-970-986-01	HOLDER (FL)	
< CAPACITOR >			
C551	1-162-282-31	CERAMIC 100PF 10% 50V	
C556	1-164-159-11	CERAMIC 0.1uF 50V	
C557	1-164-159-11	CERAMIC 0.1uF 50V	

Ref. No.	Part No.	Description	Remark
< CONNECTOR >			
* CN551	1-568-852-11	SOCKET, CONNECTOR 9P	
< FILTER >			
FL501	1-517-367-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC551	8-759-261-63	IC M66004M6FP	
< RESISTOR >			
R551	1-249-434-11	CARBON 27K 5% 1/4W	
R555	1-249-417-11	CARBON 1K 5% 1/4W	
R556	1-249-417-11	CARBON 1K 5% 1/4W	
R557	1-249-417-11	CARBON 1K 5% 1/4W	
R558	1-249-417-11	CARBON 1K 5% 1/4W	

*	1-654-778-11	HP BOARD *****	
< CAPACITOR >			
C491	1-164-159-11	CERAMIC 0.1uF 50V	
C492	1-164-159-11	CERAMIC 0.1uF 50V	
C493	1-164-159-11	CERAMIC 0.1uF 50V	
C494	1-164-159-11	CERAMIC 0.1uF 50V (E, EA, MY, SP, HK, AUS)	
< CONNECTOR >			
* CN511	1-568-824-11	SOCKET, CONNECTOR 5P (AEP, G, IT, UK)	
* CN511	1-568-828-11	SOCKET, CONNECTOR 9P (E, EA, MY, SP, HK, AUS)	
< JACK >			
J401	1-507-854-21	JACK, LARGE TYPE (HEADPHONES) (AEP, G, IT, UK)	
J401	1-507-854-00	JACK, PHONE (HEADPHONES) (E, EA, MY, SP, HK, AUS)	
J402	1-507-854-00	JACK, PHONE (MIX MIC) (E, EA, MY, SP, HK, AUS)	

*	A-4371-996-A	MAIN BOARD, COMPLETE (EX9:AEP, G, IT, UK)	
*	A-4371-997-A	MAIN BOARD, COMPLETE (EX9:E, EA, MY, SP, HK, AUS)	
*	A-4377-013-A	MAIN BOARD, COMPLETE (EX10:AEP, G, IT, UK)	
*	A-4377-014-A	MAIN BOARD, COMPLETE (EX10:E, EA, MY, SP, HK, AUS)	

	1-533-293-11	FUSE HOLDER	
*	3-309-144-21	HEAT SINK	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	4-942-204-01	PLATE, GROUND		* CN105	1-568-839-11	SOCKET, CONNECTOR 23P	
		< CAPACITOR >		* CN106	1-564-507-11	PLUG, CONNECTOR 4P	
C103	1-164-070-11	CERAMIC 100PF 5% 50V		* CN107	1-564-508-11	PLUG, CONNECTOR 5P (EX9)	
C105	1-164-070-11	CERAMIC 100PF 5% 50V		* CN107	1-564-506-11	PLUG, CONNECTOR 3P (EX10)	
C108	1-164-070-11	CERAMIC 100PF 5% 50V		* CN108	1-564-508-11	PLUG, CONNECTOR 5P (EX9)	
C110	1-164-070-11	CERAMIC 100PF 5% 50V		* CN109	1-564-509-11	PLUG, CONNECTOR 6P	
C153	1-164-070-11	CERAMIC 100PF 5% 50V		* CN110	1-564-506-11	PLUG, CONNECTOR 3P (EX10)	
		< DIODE >					
C155	1-164-070-11	CERAMIC 100PF 5% 50V		D191	8-719-200-82	DIODE 11ES2	
C158	1-164-070-11	CERAMIC 100PF 5% 50V		D611	8-719-987-63	DIODE 1N4148M	
C160	1-164-070-11	CERAMIC 100PF 5% 50V		D621	8-719-987-63	DIODE 1N4148M	
C191	1-124-443-00	ELECT 100uF 20% 10V		D622	8-719-987-63	DIODE 1N4148M	
C621	1-126-963-11	ELECT 4.7uF 20% 50V		D623	8-719-987-63	DIODE 1N4148M	
C901	1-126-138-11	ELECT 4700uF 20% 50V (EX9)		D624	8-719-987-63	DIODE 1N4148M	
C902	1-126-138-11	ELECT 4700uF 20% 50V (EX9)		D901	8-719-510-68	DIODE D5SBA20F01 (EX9)	
C903	1-136-165-00	FILM 0.1uF 5% 50V (EX9)		D911	8-719-025-03	DIODE RBA-402-SL	
C904	1-136-165-00	FILM 0.1uF 5% 50V (EX9)		D951	8-719-200-82	DIODE 11ES2	
C911	1-124-618-11	ELECT 2200uF 20% 35V		D952	8-719-200-82	DIODE 11ES2	
C912	1-124-618-11	ELECT 2200uF 20% 35V		D953	8-719-987-63	DIODE 1N4148M	
C913	1-136-165-00	FILM 0.1uF 5% 50V		D961	8-719-200-82	DIODE 11ES2	
C914	1-136-165-00	FILM 0.1uF 5% 50V		D962	8-719-200-82	DIODE 11ES2	
C915	1-126-972-11	ELECT 1000uF 20% 35V		D963	8-719-016-02	DIODE UZP-30B	
C916	1-126-972-11	ELECT 1000uF 20% 35V				< FUSE >	
C917	1-164-159-11	CERAMIC 0.1uF 50V		△F911	1-532-203-00	FUSE, TIME LAG (2A 250V)	
C918	1-164-159-11	CERAMIC 0.1uF 50V		△F912	1-532-203-00	FUSE, TIME LAG (2A 250V)	
C919	1-124-472-11	ELECT 470uF 20% 10V				< IC >	
C920	1-124-472-11	ELECT 470uF 20% 10V		IC101	8-759-000-47	IC MC14051BCP	
C921	1-124-122-11	ELECT 100uF 20% 50V		IC102	8-759-000-47	IC MC14051BCP	
C922	1-164-159-11	CERAMIC 0.1uF 50V		IC103	8-759-068-07	IC CD4052BCN	
C923	1-124-472-11	ELECT 470uF 20% 10V		IC191	8-759-962-08	IC BA6208	
C951	1-136-153-00	FILM 0.01uF 5% 50V		IC911	8-759-604-30	IC M5F7808L	
C952	1-136-153-00	FILM 0.01uF 5% 50V		IC912	8-759-604-48	IC M5F7908L	
C953	1-126-942-61	ELECT 1000uF 20% 16V		IC913	8-759-604-32	IC M5F7810L	
C954	1-164-159-11	CERAMIC 0.1uF 50V		IC951	8-759-231-53	IC TA7805S	
C955	1-124-443-00	ELECT 100uF 20% 10V				< IC LINK >	
C961	1-124-122-11	ELECT 100uF 20% 50V		△ICP911	1-532-986-31	LI NK, IC (10A) (EX9)	
C962	1-124-122-11	ELECT 100uF 20% 50V		△ICP912	1-532-986-31	LI NK, IC (10A) (EX9)	
C963	1-124-907-11	ELECT 10uF 20% 50V		△ICP961	1-532-829-11	LI NK, IC (0.1A)	
C964	1-124-907-11	ELECT 10uF 20% 50V				< JACK >	
C971	1-124-122-11	ELECT 100uF 20% 50V		J101	1-770-015-11	JACK, PIN 6P (TUNER IN, CD IN, MD/DAT OUT)	
C972	1-124-122-11	ELECT 100uF 20% 50V		J102	1-770-015-11	JACK, PIN 6P (MD/DAT IN, TAPE OUT, TAPE IN)	
		< CONNECTOR >		J103	1-770-015-11	JACK, PIN 6P (VIDEO 2 IN, VIDEO 1 OUT, VIDEO 1 IN)	
CN101	1-770-158-21	HOUSING, CONNECTOR 7P (SYSTEM CONTROL)					
* CN102	1-569-495-11	SOCKET, CONNECTOR 9P					
* CN103	1-569-498-11	SOCKET, CONNECTOR 12P					
* CN104	1-568-826-11	SOCKET, CONNECTOR 7P (EX9)					
* CN104	1-568-824-11	SOCKET, CONNECTOR 5P (EX10)					

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

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MAIN **PANEL**

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Ref. No.	Part No.	Description	Remark
< TRANSISTOR >			
Q101	8-729-900-63	TRANSISTOR DTA124ES	
Q611	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q621	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q622	8-729-900-36	TRANSISTOR DTC124ES	
Q961	8-729-118-01	TRANSISTOR 2SB1116-K (EX9)	
< RESISTOR >			
R101	1-249-417-11	CARBON 1K 5% 1/4W	
R102	1-249-425-11	CARBON 4.7K 5% 1/4W	
R103	1-249-417-11	CARBON 1K 5% 1/4W	
R104	1-249-425-11	CARBON 4.7K 5% 1/4W	
R105	1-249-417-11	CARBON 1K 5% 1/4W	
R106	1-249-417-11	CARBON 1K 5% 1/4W	
R107	1-249-417-11	CARBON 1K 5% 1/4W	
R108	1-249-417-11	CARBON 1K 5% 1/4W	
R109	1-249-417-11	CARBON 1K 5% 1/4W	
R111	1-247-903-00	CARBON 1M 5% 1/4W	
R112	1-249-428-11	CARBON 8.2K 5% 1/4W	
R113	1-249-428-11	CARBON 8.2K 5% 1/4W	
R114	1-247-903-00	CARBON 1M 5% 1/4W	
R115	1-247-903-00	CARBON 1M 5% 1/4W	
R116	1-247-903-00	CARBON 1M 5% 1/4W	
R117	1-249-417-11	CARBON 1K 5% 1/4W	
R118	1-249-417-11	CARBON 1K 5% 1/4W	
R121	1-249-441-11	CARBON 100K 5% 1/4W	
R122	1-249-441-11	CARBON 100K 5% 1/4W	
R123	1-249-441-11	CARBON 100K 5% 1/4W	
R124	1-249-417-11	CARBON 1K 5% 1/4W	
R125	1-249-417-11	CARBON 1K 5% 1/4W	
R126	1-249-417-11	CARBON 1K 5% 1/4W	
R127	1-249-441-11	CARBON 100K 5% 1/4W	
R151	1-249-417-11	CARBON 1K 5% 1/4W	
R152	1-249-425-11	CARBON 4.7K 5% 1/4W	
R153	1-249-417-11	CARBON 1K 5% 1/4W	
R154	1-249-425-11	CARBON 4.7K 5% 1/4W	
R155	1-249-417-11	CARBON 1K 5% 1/4W	
R156	1-249-417-11	CARBON 1K 5% 1/4W	
R157	1-249-417-11	CARBON 1K 5% 1/4W	
R158	1-249-417-11	CARBON 1K 5% 1/4W	
R159	1-249-417-11	CARBON 1K 5% 1/4W	
R161	1-247-903-00	CARBON 1M 5% 1/4W	
R162	1-249-428-11	CARBON 8.2K 5% 1/4W	
R163	1-249-428-11	CARBON 8.2K 5% 1/4W	
R164	1-247-903-00	CARBON 1M 5% 1/4W	
R165	1-247-903-00	CARBON 1M 5% 1/4W	
R166	1-247-903-00	CARBON 1M 5% 1/4W	
R167	1-249-417-11	CARBON 1K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R168	1-249-417-11	CARBON 1K 5% 1/4W	
R611	1-249-417-11	CARBON 1K 5% 1/4W	
R621	1-249-429-11	CARBON 10K 5% 1/4W	
R622	1-249-429-11	CARBON 10K 5% 1/4W	
R623	1-249-429-11	CARBON 10K 5% 1/4W	
R624	1-249-429-11	CARBON 10K 5% 1/4W	
R625	1-249-441-11	CARBON 100K 5% 1/4W	
△R911	1-212-881-11	FUSIBLE 100 5% 1/4W F	
△R913	1-212-881-11	FUSIBLE 100 5% 1/4W F	
△R915	1-212-881-11	FUSIBLE 100 5% 1/4W F	
△R916	1-212-881-11	FUSIBLE 100 5% 1/4W F	
△R951	1-212-857-00	FUSIBLE 10 5% 1/4W F	
R961	1-249-429-11	CARBON 10K 5% 1/4W	
R971	1-249-413-11	CARBON 470 5% 1/4W	
R972	1-249-413-11	CARBON 470 5% 1/4W	
R973	1-249-413-11	CARBON 470 5% 1/4W	
R974	1-249-413-11	CARBON 470 5% 1/4W	
R975	1-249-413-11	CARBON 470 5% 1/4W	
R976	1-249-413-11	CARBON 470 5% 1/4W	
R977	1-249-413-11	CARBON 470 5% 1/4W	
R978	1-249-413-11	CARBON 470 5% 1/4W	
R1191	1-249-417-11	CARBON 1K 5% 1/4W	
R1192	1-249-417-11	CARBON 1K 5% 1/4W	

- *****
- * A-4377-001-A PANEL BOARD, COMPLETE (EX9:AEP, G, IT, UK)
 - * A-4377-002-A PANEL BOARD, COMPLETE (EX9:E, EA, MY, SP, HK, AUS)
 - * A-4377-018-A PANEL BOARD, COMPLETE (EX10:AEP, G, IT, UK)
 - * A-4377-019-A PANEL BOARD, COMPLETE (EX10:E, EA, MY, SP, HK, AUS)
- *****

< CAPACITOR >			
C1	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C2	1-124-257-00	ELECT 2.2uF 20% 50V	
C3	1-124-257-00	ELECT 2.2uF 20% 50V	
C4	1-124-257-00	ELECT 2.2uF 20% 50V	
C5	1-124-257-00	ELECT 2.2uF 20% 50V	
C400	1-162-306-11	CERAMIC 0.01uF 30% 16V	
C401	1-136-157-00	FILM 0.022uF 5% 50V	
C402	1-136-163-00	FILM 0.068uF 5% 50V	
C403	1-136-167-00	FILM 0.15uF 5% 50V	
C404	1-136-173-00	FILM 0.47uF 5% 50V	
C411	1-124-907-11	ELECT 10uF 20% 50V	
C414	1-124-907-11	ELECT 10uF 20% 50V	
C431	1-162-294-31	CERAMIC 0.001uF 10% 50V (E, EA, MY, SP, HK, AUS)	
C432	1-124-903-11	ELECT 1uF 20% 50V (E, EA, MY, SP, HK, AUS)	
C433	1-162-282-31	CERAMIC 100PF 10% 50V (E, EA, MY, SP, HK, AUS)	

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

PANEL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C434	1-162-282-31	CERAMIC	100PF 10% 50V (E, EA, MY, SP, HK, AUS)	* CN504	1-568-828-11	SOCKET, CONNECTOR 9P (E, EA, MY, SP, HK, AUS)	
C435	1-124-903-11	ELECT	1uF 20% 50V (E, EA, MY, SP, HK, AUS)			< DIODE >	
C436	1-162-282-31	CERAMIC	100PF 10% 50V (E, EA, MY, SP, HK, AUS)	D501	8-719-987-63	DIODE 1N4148	
C437	1-164-159-11	CERAMIC	0. 1uF 50V (E, EA, MY, SP, HK, AUS)	D502	8-719-200-82	DIODE 11ES2	
C438	1-164-159-11	CERAMIC	0. 1uF 50V (E, EA, MY, SP, HK, AUS)	D505	8-719-987-63	DIODE 1N4148M	
				D506	8-719-987-63	DIODE 1N4148M	
C439	1-162-282-31	CERAMIC	100PF 10% 50V (E, EA, MY, SP, HK, AUS)	D507	8-719-987-63	DIODE 1N4148M (E, EA, MY, SP, HK, AUS)	
C440	1-162-282-31	CERAMIC	100PF 10% 50V (E, EA, MY, SP, HK, AUS)	D531	8-719-046-44	LED SEL5221S (ON/STANDBY)	
C441	1-124-903-11	ELECT	1uF 20% 50V (E, EA, MY, SP, HK, AUS)	D532	8-719-046-70	LED SEL5620C (HALL)	
C442	1-124-443-00	ELECT	100uF 20% 10V (E, EA, MY, SP, HK, AUS)	D533	8-719-046-70	LED SEL5620C (STADIUM)	
C443	1-124-443-00	ELECT	100uF 20% 10V (E, EA, MY, SP, HK, AUS)	D534	8-719-046-70	LED SEL5620C (LIVE)	
				D535	8-719-046-70	LED SEL5620C (DANCE)	
C450	1-162-306-11	CERAMIC	0. 01uF 30% 16V	D536	8-719-046-70	LED SEL5620C (PHANTOM)	
C451	1-136-157-00	FILM	0. 022uF 5% 50V	D537	8-719-046-70	LED SEL5620C (NORMAL)	
C452	1-136-163-00	FILM	0. 068uF 5% 50V	D538	8-719-046-70	LED SEL5620C (WIDE)	
C453	1-136-167-00	FILM	0. 15uF 5% 50V	D539	8-719-046-70	LED SEL5620C (3CH LOGIC)	
C454	1-136-173-00	FILM	0. 47uF 5% 50V	D540	8-719-301-49	LED SEL2810A (DSP)	
C461	1-124-907-11	ELECT	10uF 20% 50V	D541	8-719-301-49	LED SEL2810A (DOLBY PROLOGIC)	
C464	1-124-907-11	ELECT	10uF 20% 50V	D542	8-719-046-44	LED SEL5221S (SOURCE DIRECT)	
C501	1-164-159-11	CERAMIC	0. 1uF 50V	D543	8-719-046-44	LED SEL5221S (MUTING -20dB)	
C502	1-126-177-11	ELECT	100uF 20% 10V	D544	8-719-046-44	LED SEL5221S (KARAOKE PON) (E, EA, MY, SP, HK, AUS)	
C503	1-164-159-11	CERAMIC	0. 1uF 50V	D551	8-719-014-56	DIODE UZP-5. 1B	
C504	1-162-306-11	CERAMIC	0. 01uF 30% 16V			< IC >	
C505	1-162-306-11	CERAMIC	0. 01uF 30% 16V	IC1	8-759-281-71	IC PC74H000N	
C506	1-126-096-11	ELECT	10uF 20% 35V	IC2	8-759-281-71	IC PC74H000N	
C507	1-162-306-11	CERAMIC	0. 01uF 30% 16V	IC401	8-759-634-50	IC M5218AL	
C508	1-162-306-11	CERAMIC	0. 01uF 30% 16V	IC431	8-759-634-50	IC M5218AL (E, EA, MY, SP, HK, AUS)	
C509	1-162-306-11	CERAMIC	0. 01uF 30% 16V (E, EA, MY, SP, HK, AUS)	IC501	8-759-299-89	IC M37471M4-469SP	
C510	1-162-286-21	CERAMIC	220PF 10% 50V	IC502	8-759-165-80	IC PST600C-T	
C552	1-126-177-11	ELECT	100uF 20% 10V	IC503	8-759-917-43	IC SN74HC138AN	
C553	1-126-096-11	ELECT	10uF 20% 35V	IC504	8-749-920-83	IC GPIU52XB	
C554	1-164-159-11	CERAMIC	0. 1uF 50V			< TRANSISTOR >	
C555	1-164-159-11	CERAMIC	0. 1uF 50V	Q1	8-729-900-36	TRANSISTOR DTC124ES	
				Q2	8-729-900-36	TRANSISTOR DTC124ES	
				Q501	8-729-620-05	TRANSISTOR 2SC2603-EF	
				Q531	8-729-900-63	TRANSISTOR DTA124ES	
				Q532	8-729-900-36	TRANSISTOR DTC124ES	
				Q533	8-729-900-36	TRANSISTOR DTC124ES	
				Q534	8-729-900-36	TRANSISTOR DTC124ES	
				Q535	8-729-900-36	TRANSISTOR DTC124ES	
				Q536	8-729-900-36	TRANSISTOR DTC124ES (E, EA, MY, SP, HK, AUS)	
				Q537	8-729-900-36	TRANSISTOR DTC124ES	
* CN501	1-568-839-11	SOCKET, CONNECTOR 23P		Q538	8-729-900-36	TRANSISTOR DTC124ES	
* CN502	1-568-830-11	SOCKET, CONNECTOR 11P (AEP, G, IT, UK)		Q539	8-729-900-36	TRANSISTOR DTC124ES	
* CN502	1-568-834-11	SOCKET, CONNECTOR 15P (E, EA, MY, SP, HK, AUS)		Q540	8-729-900-36	TRANSISTOR DTC124ES	
* CN503	1-568-828-11	SOCKET, CONNECTOR 9P					
* CN504	1-568-824-11	SOCKET, CONNECTOR 5P (AEP, G, IT, UK)					

PANEL

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q541	8-729-900-36	TRANSISTOR	DTC124ES	R463	1-249-422-11	CARBON	2.7K 5% 1/4W
Q542	8-729-900-36	TRANSISTOR	DTC124ES	R501	1-249-429-11	CARBON	10K 5% 1/4W
		< RESISTOR >		R502	1-249-429-11	CARBON	10K 5% 1/4W
R1	1-249-429-11	CARBON	10K 5% 1/4W	R503	1-249-429-11	CARBON	10K 5% 1/4W
R2	1-249-437-11	CARBON	47K 5% 1/4W	R504	1-249-417-11	CARBON	1K 5% 1/4W
R3	1-247-887-00	CARBON	220K 5% 1/4W	R505	1-249-441-11	CARBON	100K 5% 1/4W
R4	1-249-437-11	CARBON	47K 5% 1/4W	R511	1-249-429-11	CARBON	10K 5% 1/4W
R5	1-249-429-11	CARBON	10K 5% 1/4W	R512	1-249-431-11	CARBON	15K 5% 1/4W
R6	1-247-895-00	CARBON	470K 5% 1/4W	R513	1-249-417-11	CARBON	1K 5% 1/4W
R7	1-249-429-11	CARBON	10K 5% 1/4W	R514	1-249-418-11	CARBON	1.2K 5% 1/4W
R8	1-249-421-11	CARBON	2.2K 5% 1/4W	R515	1-249-418-11	CARBON	1.2K 5% 1/4W
R402	1-247-815-91	CARBON	220 5% 1/4W	R516	1-249-419-11	CARBON	1.5K 5% 1/4W
R403	1-249-423-11	CARBON	3.3K 5% 1/4W	R517	1-249-427-11	CARBON	6.8K 5% 1/4W
R404	1-249-417-11	CARBON	1K 5% 1/4W	R518	1-249-423-11	CARBON	3.3K 5% 1/4W
R405	1-247-903-00	CARBON	1M 5% 1/4W			(E, EA, MY, SP, HK, AUS)	
R406	1-247-903-00	CARBON	1M 5% 1/4W	R522	1-249-417-11	CARBON	1K 5% 1/4W
R411	1-249-441-11	CARBON	100K 5% 1/4W	R523	1-249-417-11	CARBON	1K 5% 1/4W
R412	1-249-429-11	CARBON	10K 5% 1/4W	R531	1-249-411-11	CARBON	330 5% 1/4W
R413	1-249-422-11	CARBON	2.7K 5% 1/4W	R532	1-249-408-11	CARBON	180 5% 1/4W
R431	1-249-441-11	CARBON	100K 5% 1/4W	R533	1-249-408-11	CARBON	180 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R534	1-249-411-11	CARBON	330 5% 1/4W
R432	1-249-417-11	CARBON	1K 5% 1/4W	R535	1-249-411-11	CARBON	330 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R536	1-249-411-11	CARBON	330 5% 1/4W
R433	1-249-441-11	CARBON	100K 5% 1/4W			(E, EA, MY, SP, HK, AUS)	
		(E, EA, MY, SP, HK, AUS)		R537	1-249-417-11	CARBON	1K 5% 1/4W
R434	1-249-441-11	CARBON	100K 5% 1/4W	R538	1-249-417-11	CARBON	1K 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R539	1-249-417-11	CARBON	1K 5% 1/4W
R435	1-249-417-11	CARBON	1K 5% 1/4W	R540	1-249-417-11	CARBON	1K 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R541	1-249-425-11	CARBON	4.7K 5% 1/4W
R436	1-249-435-11	CARBON	33K 5% 1/4W	R542	1-249-417-11	CARBON	1K 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R543	1-249-417-11	CARBON	1K 5% 1/4W
R437	1-249-441-11	CARBON	100K 5% 1/4W	R544	1-249-417-11	CARBON	1K 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R545	1-249-425-11	CARBON	4.7K 5% 1/4W
R438	1-249-441-11	CARBON	100K 5% 1/4W	R546	1-249-417-11	CARBON	1K 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R547	1-249-417-11	CARBON	1K 5% 1/4W
R439	1-249-441-11	CARBON	100K 5% 1/4W	R548	1-249-417-11	CARBON	1K 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R552	1-247-815-91	CARBON	220 5% 1/4W
R440	1-247-807-31	CARBON	100 5% 1/4W	R553	1-247-815-91	CARBON	220 5% 1/4W
		(E, EA, MY, SP, HK, AUS)		R554	1-249-429-11	CARBON	10K 5% 1/4W
R441	1-247-807-31	CARBON	100 5% 1/4W			< VARIABLE RESISTOR >	
		(E, EA, MY, SP, HK, AUS)		RV401	1-223-810-11	RES, VAR, CARBON 10K/10K (TREBLE)	
R442	1-249-393-11	CARBON	10 5% 1/4W	RV402	1-223-810-11	RES, VAR, CARBON 10K/10K (BASS)	
		(E, EA, MY, SP, HK, AUS)		RV431	1-223-816-11	RES, VAR, CARBON 50K (MIC LEVEL)	
R452	1-247-815-91	CARBON	220 5% 1/4W			(E, EA, MY, SP, HK, AUS)	
R453	1-249-423-11	CARBON	3.3K 5% 1/4W			< SWITCH >	
R454	1-249-417-11	CARBON	1K 5% 1/4W	S501	1-554-303-21	SWITCH, TACTILE (SYSTEM POWER)	
R455	1-247-903-00	CARBON	1M 5% 1/4W	S502	1-554-303-21	SWITCH, TACTILE (AUDIO)	
R456	1-247-903-00	CARBON	1M 5% 1/4W				
R461	1-249-441-11	CARBON	100K 5% 1/4W				
R462	1-249-429-11	CARBON	10K 5% 1/4W				

PANEL

SP

Ref. No.	Part No.	Description	Remark
S503	1-554-303-21	SWITCH, TACTILE (VIDEO)	
S504	1-554-303-21	SWITCH, TACTILE (DSP)	
S505	1-554-303-21	SWITCH, TACTILE (DOLBY PROLOGIC)	
S506	1-554-303-21	SWITCH, TACTILE (SOURCE DIRECT)	
S507	1-554-303-21	SWITCH, TACTILE (MUTING -20dB)	
S508	1-554-303-21	SWITCH, TACTILE (KARAOKE PON) (E, EA, MY, SP, HK, AUS)	
< VIBRATOR >			
X501	1-579-125-11	VIBRATOR, CERAMIC (8MHz)	

*	A-4377-000-A	SP BOARD, COMPLETE (EX9)	
*	A-4377-017-A	SP BOARD, COMPLETE (EX10)	

< CAPACITOR >			
C180	1-124-443-00	ELECT	100uF 20% 10V
C181	1-124-907-11	ELECT	10uF 20% 50V
C182	1-124-907-11	ELECT	10uF 20% 50V
C183	1-124-907-11	ELECT	10uF 20% 50V
C184	1-126-941-11	ELECT	470uF 20% 16V
C185	1-126-941-11	ELECT	470uF 20% 16V
C631	1-124-907-11	ELECT	10uF 20% 50V (EX9)
C890	1-164-070-11	CERAMIC	100PF 5% 50V (EX10)
C891	1-136-153-00	FILM	0.01uF 5% 50V (EX9)
C892	1-136-153-00	FILM	0.01uF 5% 50V (EX9)
C893	1-136-153-00	FILM	0.01uF 5% 50V (EX9)
C894	1-136-153-00	FILM	0.01uF 5% 50V (EX9)
C895	1-162-306-11	CERAMIC	0.01uF 30% 16V
C896	1-162-306-11	CERAMIC	0.01uF 30% 16V
C897	1-162-306-11	CERAMIC	0.01uF 30% 16V
C898	1-162-306-11	CERAMIC	0.01uF 30% 16V
C899	1-164-070-11	CERAMIC	100PF 5% 50V (EX10)
< CONNECTOR >			
* CN891	1-564-519-11	PLUG, CONNECTOR 4P	
* CN892	1-564-519-11	PLUG, CONNECTOR 4P	
* CN893	1-564-518-11	PLUG, CONNECTOR 3P (EX9)	
* CN894	1-568-850-11	SOCKET, CONNECTOR 7P (EX9)	
* CN894	1-568-848-11	SOCKET, CONNECTOR 5P (EX10)	
< DIODE >			
D631	8-719-987-63	DIODE	1N4148M (EX9)
D632	8-719-987-63	DIODE	1N4148M (EX9)
D633	8-719-987-63	DIODE	1N4148M (EX9)
D634	8-719-987-63	DIODE	1N4148M (EX9)

Ref. No.	Part No.	Description	Remark
< IC >			
IC181	8-759-140-53	IC	uPD4053BC
< JACK >			
* J801	1-764-389-11	JACK, PIN 2P (FRONT SPEAKER)	(EX10)
J802	1-565-934-11	JACK, PIN 2P (VIDEO 2 IN, VIDEO 1 OUT)	
J803	1-565-934-11	JACK, PIN 2P (VIDEO 1IN, MONITOR OUT)	
< COIL >			
L181	1-408-405-00	INDUCTOR	4.7uH
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	
L801	1-420-872-00	COIL, AIR-CORE	(EX9)
L851	1-420-872-00	COIL, AIR-CORE	(EX9)
< TRANSISTOR >			
Q181	8-729-620-05	TRANSISTOR	2SC2603-EF
Q182	8-729-620-05	TRANSISTOR	2SC2603-EF
Q183	8-729-620-05	TRANSISTOR	2SC2603-EF
Q184	8-729-620-05	TRANSISTOR	2SC2603-EF
Q185	8-729-620-05	TRANSISTOR	2SC2603-EF
Q186	8-729-620-05	TRANSISTOR	2SC2603-EF
Q631	8-729-620-05	TRANSISTOR	2SC2603-EF (EX9)
Q632	8-729-620-05	TRANSISTOR	2SC2603-EF (EX9)
Q633	8-729-118-01	TRANSISTOR	2SB1116-K (EX9)
Q634	8-729-118-01	TRANSISTOR	2SB1116-K (EX9)
< RESISTOR >			
R181	1-247-804-11	CARBON	75 5% 1/4W
R182	1-247-804-11	CARBON	75 5% 1/4W
R183	1-247-815-91	CARBON	220 5% 1/4W
R184	1-247-863-91	CARBON	22K 5% 1/4W
R185	1-249-429-11	CARBON	10K 5% 1/4W
R186	1-249-411-11	CARBON	330 5% 1/4W
R187	1-249-421-11	CARBON	2.2K 5% 1/4W
R188	1-249-418-11	CARBON	1.2K 5% 1/4W
R189	1-249-417-11	CARBON	1K 5% 1/4W
R190	1-247-815-91	CARBON	220 5% 1/4W
R191	1-247-804-11	CARBON	75 5% 1/4W
R192	1-247-804-11	CARBON	75 5% 1/4W
R193	1-249-413-11	CARBON	470 5% 1/4W
R194	1-249-413-11	CARBON	470 5% 1/4W
R195	1-249-441-11	CARBON	100K 5% 1/4W
R196	1-249-441-11	CARBON	100K 5% 1/4W
R197	1-249-417-11	CARBON	1K 5% 1/4W
R198	1-249-417-11	CARBON	1K 5% 1/4W
R631	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R632	1-249-441-11	CARBON	100K 5% 1/4W (EX9)

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SP TRANSFORMER VOL

Ref. No.	Part No.	Description	Remark
R633	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R634	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R635	1-249-441-11	CARBON	100K 5% 1/4W (EX9)
R636	1-249-429-11	CARBON	10K 5% 1/4W (EX9)
R637	1-249-429-11	CARBON	10K 5% 1/4W (EX9)
R638	1-260-096-11	CARBON	560 5% 1/2W (EX9)
R639	1-260-096-11	CARBON	560 5% 1/2W (EX9)
R640	1-260-096-11	CARBON	560 5% 1/2W (EX9)
R641	1-260-096-11	CARBON	560 5% 1/2W (EX9)
R720	1-260-076-11	CARBON	10 5% 1/2W
R770	1-260-076-11	CARBON	10 5% 1/2W
R820	1-260-076-11	CARBON	10 5% 1/2W (EX9)
R820	1-249-413-11	CARBON	470 5% 1/4W (EX10)
R870	1-260-076-11	CARBON	10 5% 1/2W (EX9)
R870	1-249-413-11	CARBON	470 5% 1/4W (EX10)
R891	1-260-076-11	CARBON	10 5% 1/2W (EX9)
R892	1-260-076-11	CARBON	10 5% 1/2W (EX9)
R893	1-249-393-11	CARBON	10 5% 1/4W
R894	1-249-393-11	CARBON	10 5% 1/4W

< TERMINAL >

TM801	1-537-822-11	TERMINAL BOARD (SP) (FRONT SPEAKER) (EX9)
TM802	1-537-336-31	TERMINAL BOARD (SP) (REAR SPEAKER, CENTER SPEAKER)

* 1-654-782-11 TRANSFORMER BOARD

< CONNECTOR >

△CN904	1-526-794-11	OUTLET, AC (AC OUTLET) (EX10)
* CN911	1-564-507-11	PLUG, CONNECTOR 4P
* CN912	1-564-506-11	PLUG, CONNECTOR 3P (EX10)
* CN912	1-564-508-11	PLUG, CONNECTOR 5P (EX9)

* 1-654-779-11 VOL BOARD

< CAPACITOR >

C421	1-164-159-11	CERAMIC	0.1uF	50V
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< CONNECTOR >

* CN401 1-568-836-11 SOCKET, CONNECTOR 17P

< TRANSISTOR >

Q221	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q222	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q223	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q223	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q223	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q224	8-729-141-30	TRANSISTOR	2SC3623A-LK

Ref. No.	Part No.	Description	Remark
Q225	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q226	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q227	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q228	8-729-141-30	TRANSISTOR	2SC3623A-LK

< RESISTOR >

R421	1-249-427-11	CARBON	6.8K 5% 1/4W
R422	1-249-415-11	CARBON	680 5% 1/4W
R423	1-249-417-11	CARBON	1K 5% 1/4W
R424	1-249-417-11	CARBON	1K 5% 1/4W
R425	1-249-426-11	CARBON	5.6K 5% 1/4W
R426	1-249-415-11	CARBON	680 5% 1/4W
R427	1-249-417-11	CARBON	1K 5% 1/4W
R428	1-249-417-11	CARBON	1K 5% 1/4W
R429	1-249-411-11	CARBON	330 5% 1/4W
R471	1-249-427-11	CARBON	6.8K 5% 1/4W
R472	1-249-415-11	CARBON	680 5% 1/4W
R473	1-249-417-11	CARBON	1K 5% 1/4W
R474	1-249-417-11	CARBON	1K 5% 1/4W
R475	1-249-426-11	CARBON	5.6K 5% 1/4W
R476	1-249-415-11	CARBON	680 5% 1/4W
R477	1-249-417-11	CARBON	1K 5% 1/4W
R478	1-249-417-11	CARBON	1K 5% 1/4W
R479	1-249-441-11	CARBON	100K 5% 1/4W

< VARIABLE RESISTOR >

RV403 1-223-809-11 RES, VAR, CARBON 100KX4 (VOLUME)

MISCELLANEOUS

9	1-751-216-52	LEAD (WITH CONNECTOR) (2 CORE) (EX10)
14	1-769-847-11	WIRE (FLAT TYPE) (5 CORE) (EX10)
14	1-769-881-11	WIRE (FLAT TYPE) (7 CORE) (EX9)
15	1-769-940-11	WIRE (FLAT TYPE) (11 CORE)
△18	1-569-007-11	ADAPTER, CONVERSION 2P (E)
△19	1-569-008-11	ADAPTER, CONVERSION 2P (EA, MY, SP)
△20	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (HK)
61	1-769-914-11	WIRE (FLAT TYPE) (9 CORE)
65	1-769-846-11	WIRE (FLAT TYPE) (5 CORE) (AEP, UK, G, IT)
65	1-769-910-11	WIRE (FLAT TYPE) (9 CORE) (E, EA, MY, SP, HK, AUS)
66	1-765-326-11	WIRE (FLAT TYPE) (11 CORE) (AEP, UK, G, IT)
66	1-765-332-11	WIRE (FLAT TYPE) (15 CORE) (E, EA, MY, SP, HK, AUS)
69	1-773-038-11	WIRE (FLAT TYPE) (17 CORE)
71	1-773-183-11	WIRE (FLAT TYPE) (23 CORE)
△CN903	1-526-794-11	OUTLET, AC (AC OUTLET) (EX10)
△CN904	1-526-794-11	OUTLET, AC (AC OUTLET) (EX10)

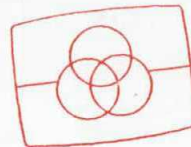
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Ref. No.	Part No.	Description	Remark
△CNP901	1-558-943-41	CORD, POWER (E)	
△CNP901	1-575-651-21	CORD, POWER (AEP, G, IT, EA, MY, SP, HK)	
△CNP901	1-696-571-11	CORD, POWER (UK)	
△CNP901	1-696-845-11	CORD, POWER (AUS)	
M801	1-698-209-11	MOTOR, DC FAN (FAN MOTOR) (EX9)	
△T901	1-427-702-11	TRANSFORMER, POWER (EX10: E, EA, MY, SP, HK, AUS)	
△T901	1-427-703-11	TRANSFORMER, POWER (EX10: AEP, UK, G, IT)	
△T901	1-427-704-11	TRANSFORMER, POWER (EX9: E, EA, MY, SP, HK, AUS)	
△T901	1-427-705-11	TRANSFORMER, POWER (EX9: AEP, UK, G, IT)	

HARDWARE LIST

- #1 7-685-646-79 SCREW +BVTP 3X8 TYPE2 N-S
- #2 7-685-650-79 SCREW +BVTP 3X16 TYPE2 IT-3
- #3 7-685-871-01 SCREW +BVTT 3X6 (S)
- #4 7-682-548-04 SCREW +BVTT 3X8 (S)



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