

TA-H6800E

SERVICE MANUAL

*Canadian Model
AEP Model
UK Model
E Model
Australian Model
Tourist Model*



This set is the
Pre-Amplifier section
in FH-E9X, MHC-6800.

SPECIFICATIONS

Audio inputs	PHONO (phono jacks): sensitivity 3 mV, impedance 47 kilohms
	VIDEO 1 (phono jacks): sensitivity 250 mV, impedance 47 kilohms
Video inputs	VIDEO 2/MD/DAT (phono jacks): sensitivity 250 mV, impedance 47 kilohms
	VIDEO 1 (phono jacks): 1 Vp-p/75 ohms unbalanced, sync negative
Audio outputs	VIDEO 2/MD/DAT (phono jacks): 1 Vp-p/75 ohms unbalanced, sync negative
	VIDEO 1 (phono jacks): voltage 250 mV impedance 2 kilohms
Video outputs	VIDEO 2/MD/DAT (phono jacks): voltage 250 mV impedance 2 kilohms
	VIDEO 1 (phono jacks): voltage 250 mV impedance 2 kilohms
	MONITOR OUT (phono jacks): voltage 250 mV impedance 2 kilohms

Design and specifications subject to change
without notice.

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 PUB-
LISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

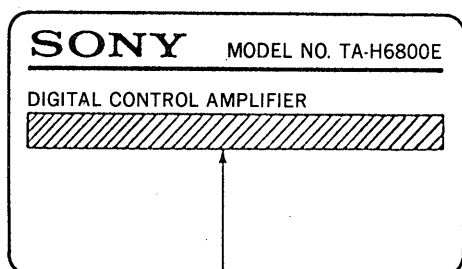
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE Δ
SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE
DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ
DE FONCTIONNEMENT. NE REMPLACER CES COM-
POSANTS QUE PAR DES PIÈCES SONY DONT LES
NUMÉROS SONT DONNÉS DANS CE MANUEL OU
DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

DIGITAL CONTROL AMPLIFIER
SONY®

TABLE OF CONTENTS

MODEL IDENTIFICATION

—Model Number Label—



CND model : AC: 120V 60Hz
 AEP model : AC: 220—230V~50/60Hz 45W
 Italian model : AC: 220—230V~50Hz 45W
 German model: SYSTEM MHC-6800
 AC: 220—230V~50Hz 45W
 UK model : AC: 240V~50Hz
 E, EA, JE, AUS,
 MY, SP model : AC: 110—120/220—240V~50/60Hz 45W

• Abbreviations

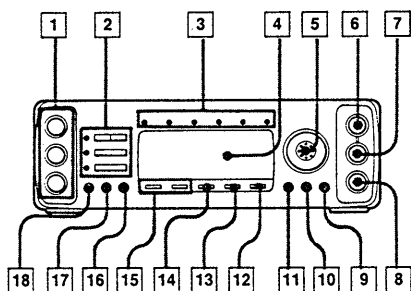
CND: Canadian model
 EA : Saudi Arabia model
 JE : Tourist model
 AUS: Australian model
 MY : Malaysia model
 SP : Singapore model

<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL		
1-1.	Parts Identification	2
2. SERVICE NOTES		
2-1.	Service Mode	3
2-2.	Service Position	3
3. DIAGRAMS		
3-1.	Circuit Boards Location	4
3-2.	Block Diagram	5
3-3.	Semiconductor Lead Layouts.....	7
3-4.	Printed Wiring Boards—DSP/Pin Jack Section— ..	8
3-5.	Schematic Diagram—DSP/Pin Jack Section—	11
3-6.	Schematic Diagram—Power/Micom/Panel Section—	16
3-7.	Printed Wiring Boards—Power/Micom/Panel Section—	21
4. EXPLODED VIEW		24
5. ELECTRICAL PARTS LIST		26

SECTION 1 GENERAL

This section is extracted from
instruction manual.

1-1. PARTS IDENTIFICATION

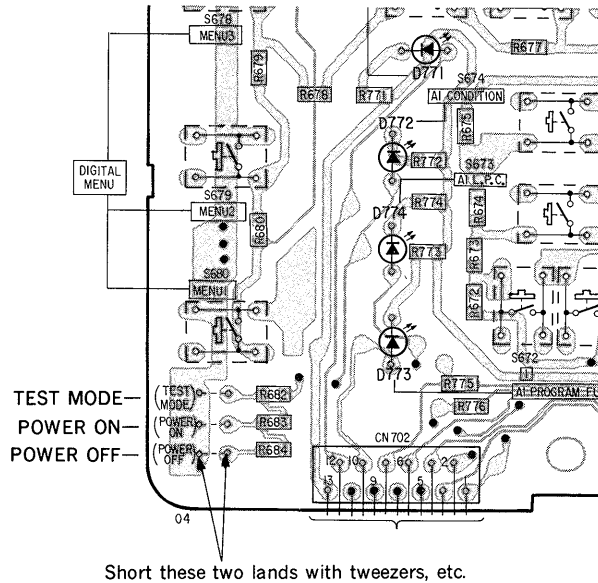


- 1 DIGITAL MENU (MENU 1/2/3) buttons (106)
- 2 AI operation buttons and indicators
AI PROGRAM 1/2 buttons and indicator (130)
AI L.P.C. button and indicator (128)
AI CONDITION button and indicator (124)
- 3 Function indicators (132)
- 4 Display window
- 5 CONTROLLER
- 6 FUNCTION AUDIO selector (22, 132)
- 7 FUNCTION VIDEO selector (22, 132)
- 8 DIRECT button (104)
- 9 DDS (Digital Dynamic Sound) button (118)
- 10 DPS (Digital Presence Surround) button (116)
- 11 DPE (Digital Parametric Equalizer) button (114)
- 12 RELAX button (144)
- 13 SLEEP timer button (144)
- 14 REC TIMER button (138)
- 15 CLOCK SET buttons (24) /TIMER 1, 2 buttons (134)
- 16 DISPLAY button (112)
- 17 USER MEMORY button (120, 122)
- 18 KARAOKE PON button and indicator (148)

SECTION 2 SERVICE NOTES

2-1. SERVICE MODE

When the test lands on the panel board are shorted, this set will enter the Test Mode. This allows you to test the fluorescent indicator tube and the LED display and to turn power ON/OFF.



※ The Test Mode cannot be entered unless the POWER is turned ON.

(1) POWER ON

In this set, the control (AU BUS) of the power amplifier TA-H6800N is used to turn the power ON/OFF. Without this power amplifier, even if 100Vac is input, the set will be always in the STANDBY (POWER OFF) state and any test other than clock operation check cannot be performed. Also, any power supply to the AUDIO system ($A \pm 10V$, $DSP + 5V$) is OFF and so any energization check by sound input is not allowed. Therefore, the POWER ON test lands should be used to turn the power ON before entering repair.

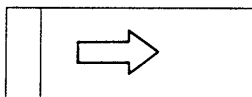
(2) POWER OFF

This changes from POWER ON to STANDBY state. The fluorescent indicator tube display will be of half brightness to display the clock.

(3) TEST MODE

In the POWER ON state, when the Test Mode lands are shorted once :

- ① All LED indicators are totally lit. (VIDEO 1 and VIDEO 2/MD/DAT are lit orange due to simultaneous illumination of red and green.)
- ② One vertical line appears on the fluorescent indicator tube surface and moves from left to right. At this time, make sure that this vertical line is not partially thicker.



- ③ The fluorescent indicator tube display is totally lit and this operation is stopped. Make sure that the display is illuminating equally without unevenness.

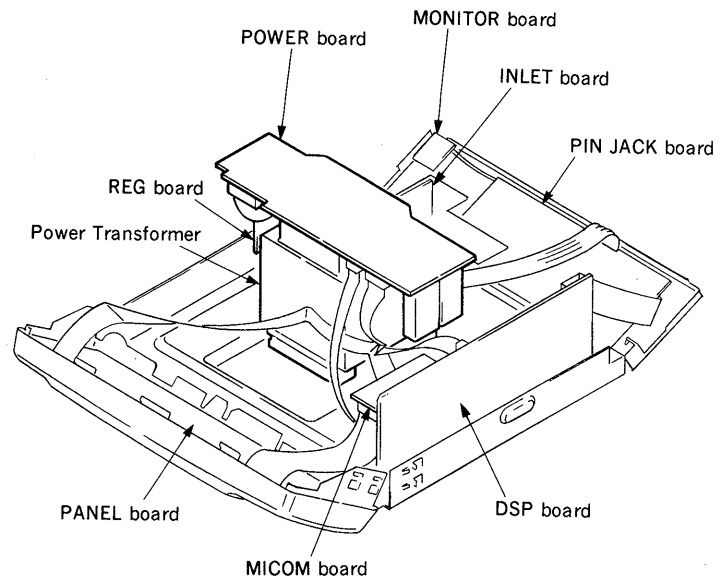
Each time the Test Mode land are shorted, the following operations are performed in turn :

Dolby sound in DSP menu is selected and

- ④ The parametric equalizer is set to 3dB up at 1kHz.
- ⑤ The parametric equalizer is set to 6dB up at 1kHz.
- ⑥ The set returns to the STANDBY state and the clock displays "0 : 00" (Cold Start). All the parameters including clock will be reset.

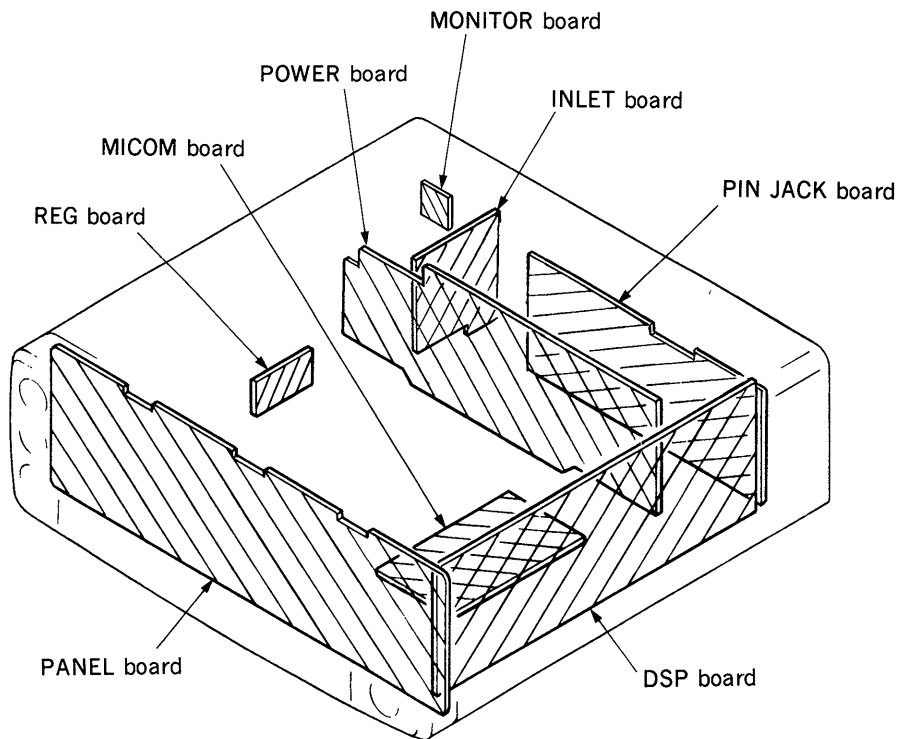
2-2. SERVICE POSITION

For this set, with the front and rear panels open, remove 4 screws securing the power transformer and 1 screw securing the AC inlet. Then, by facing the power transformer down as shown below, all the boards can be repaired.

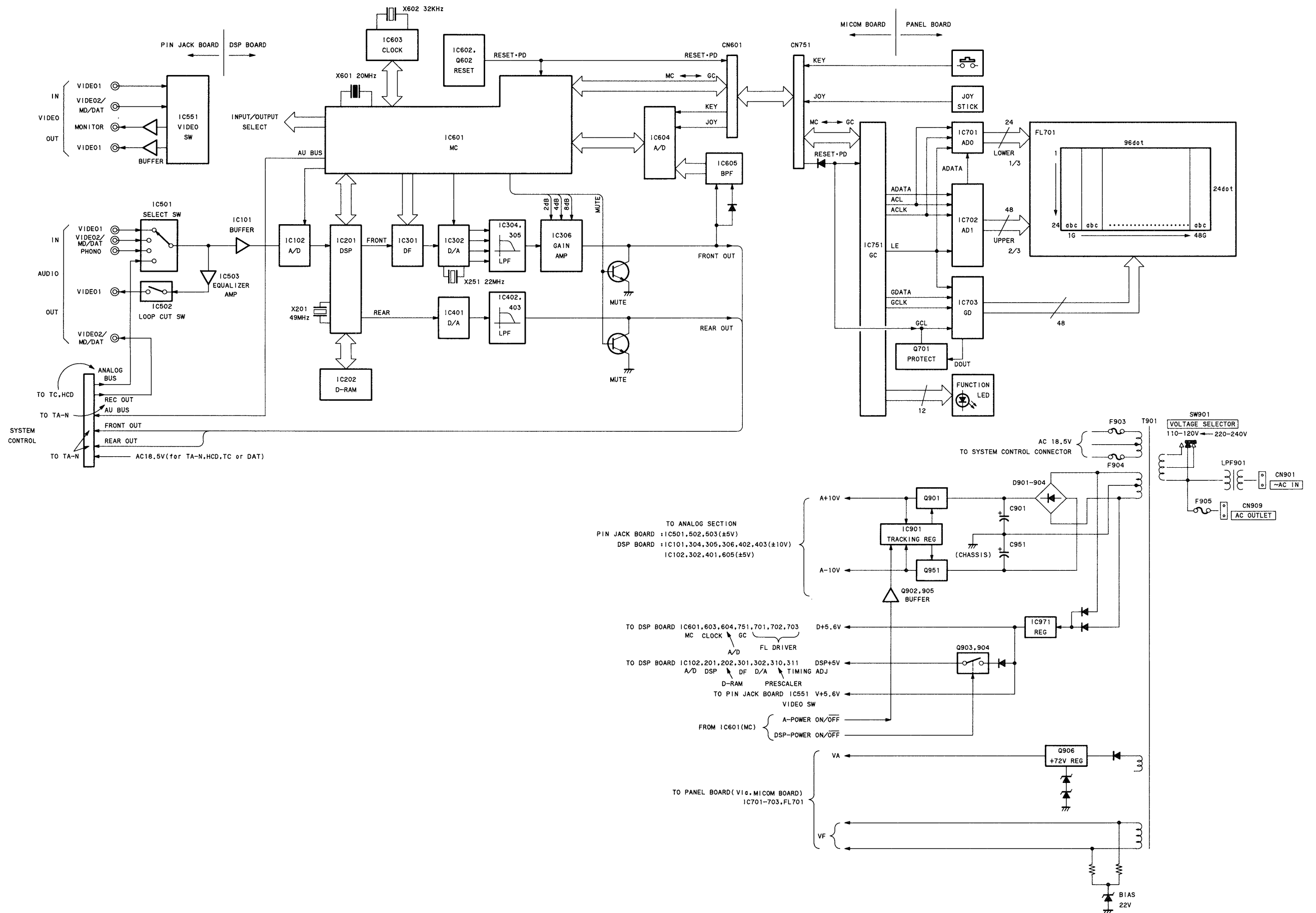


SECTION 3 DIAGRAMS

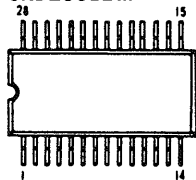
3-1. CIRCUIT BOARDS LOCATION



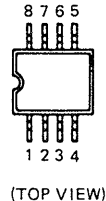
3-2. BLOCK DIAGRAMS



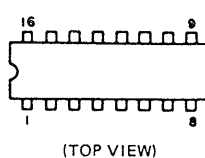
3-3. SEMICONDUCTOR LEAD LAYOUTS

CS5339-KS
CXD2561BM

M51953BFP



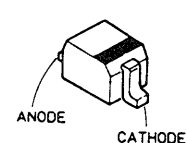
SN761200



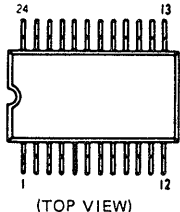
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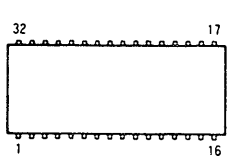
1SS352



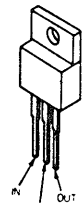
CXD2560M



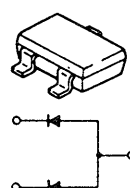
M5218AFP



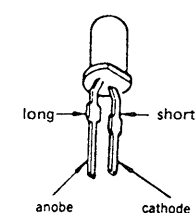
TA7805S



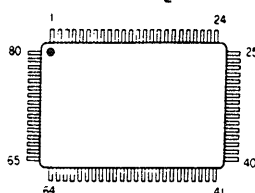
DCA010



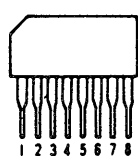
SEL2210S-CD



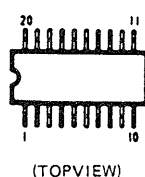
CXD2705AQ



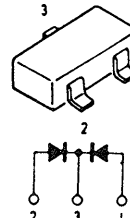
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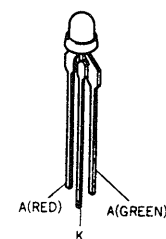
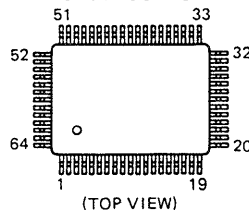
TC35095AF



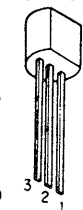
DCB010



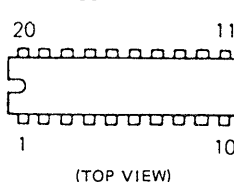
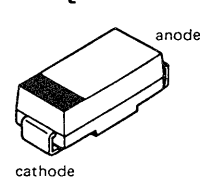
SML1216W

HD6433258A0F
HD6433258-MC

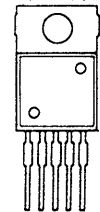
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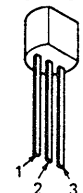
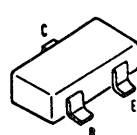
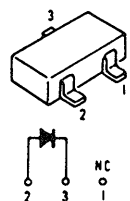
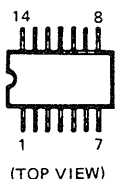
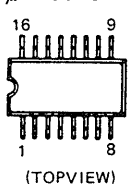
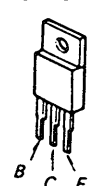
XR-1092

EC10DS2
EC10QS-04

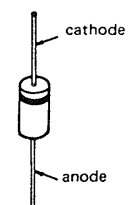
MC14052BF



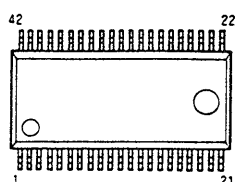
NJM79L05A

2SA1235-F
2SA1344
2SA1496
2SC1623-L5L6
2SC3396
2SC3398
2SC3624A-L15UZM-36Z
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SN74HC74ANSSN74HC4040ANS
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μPD63762SB1094-LK
2SD2012

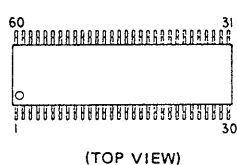
UZP-22B



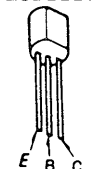
M5M411664TP-6



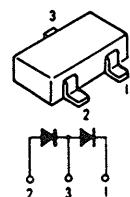
SN755705



2SB1116



1SS226



● Semiconductor Location

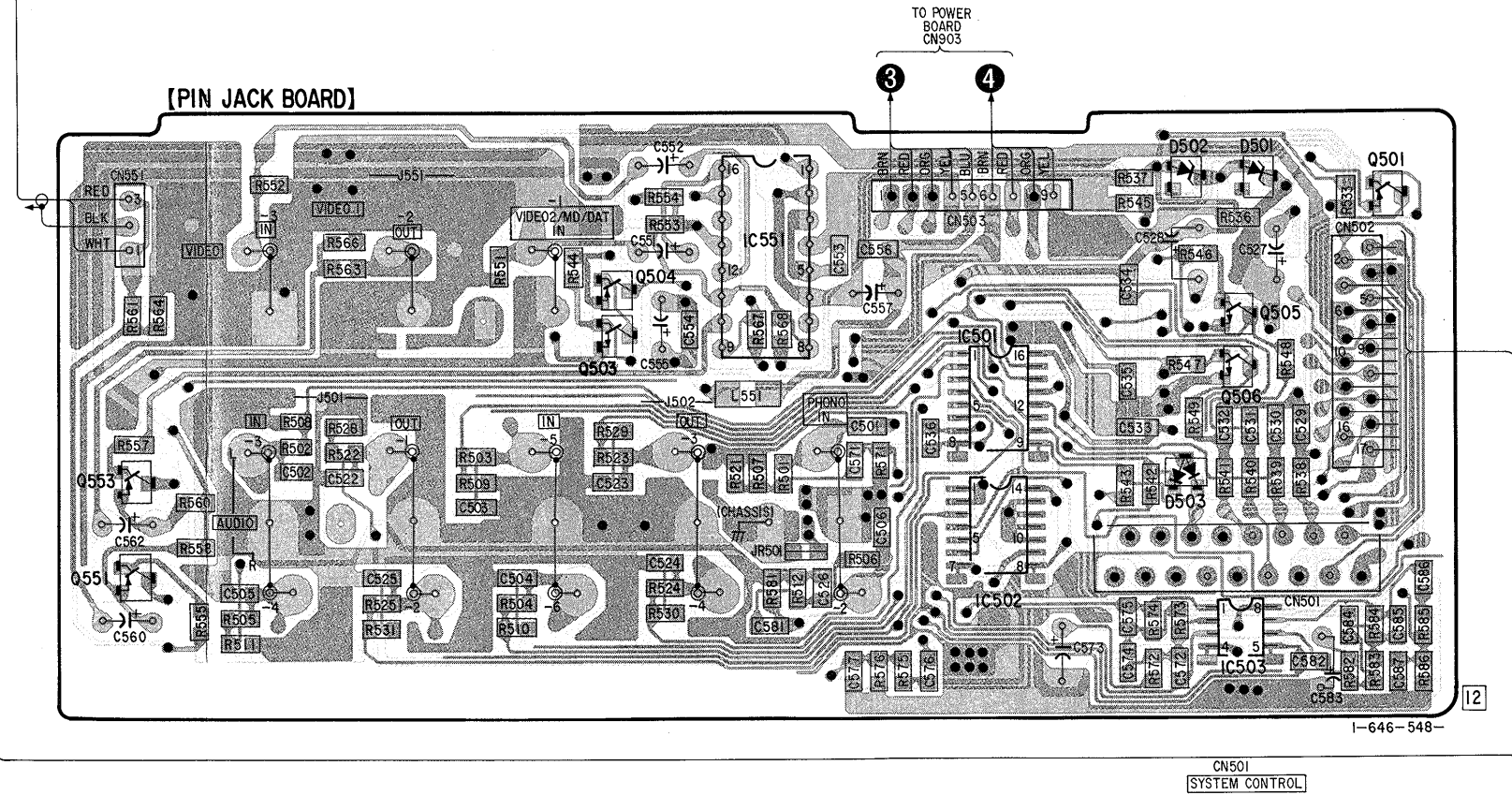
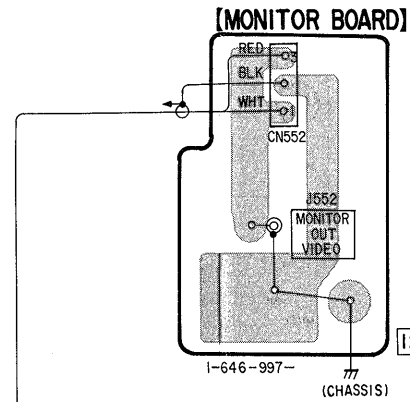
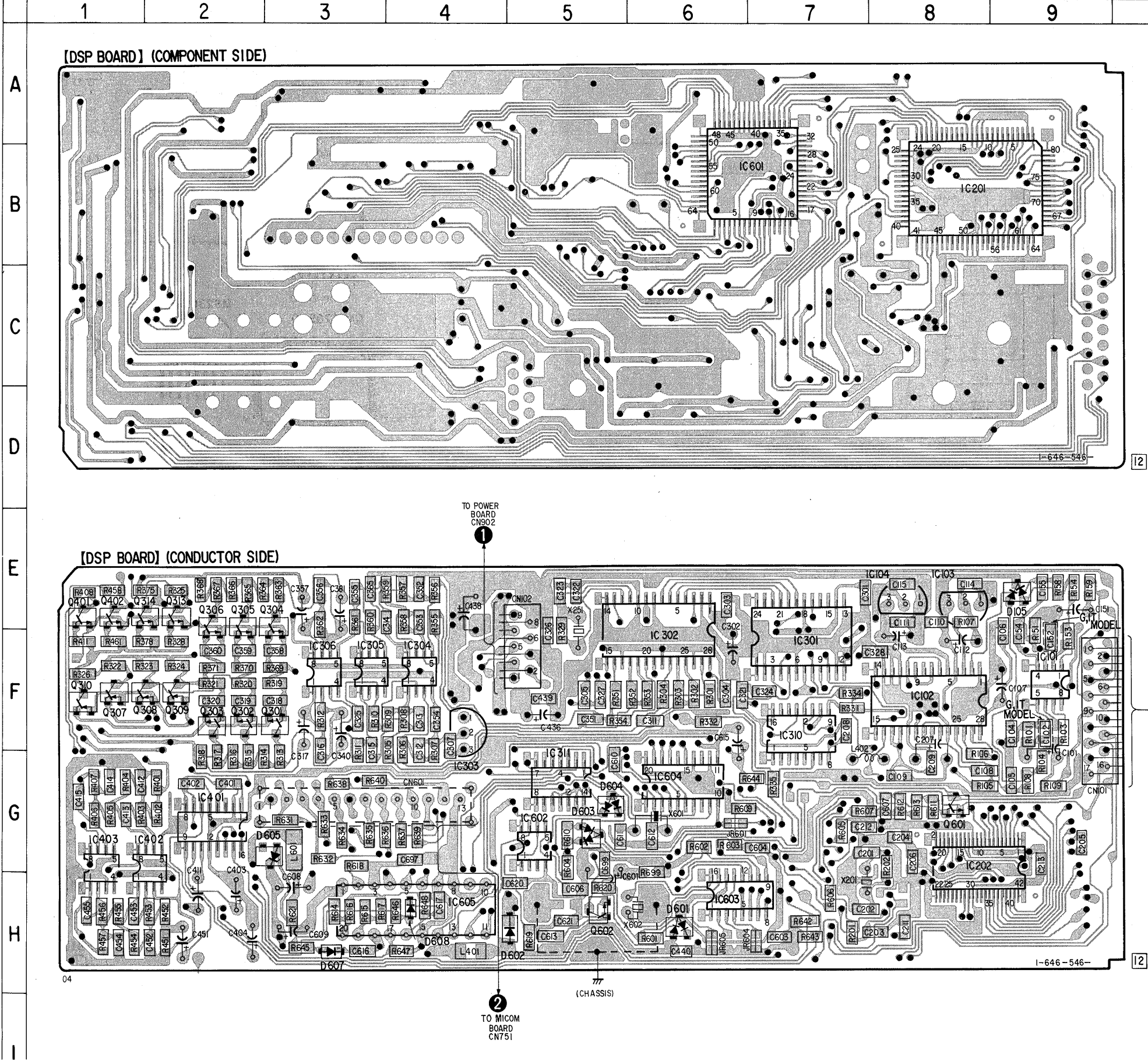
Ref. No.	Location	Ref. No.	Location
D105	E-9	IC503	H-16
D501	E-16	IC551	F-14
D502	E-16	IC601	B-6
D503	G-16	IC602	G-5
D601	H-6	IC603	H-6
D602	H-5	IC604	G-6
D603	G-5	IC605	H-4
D604	G-5		
D605	G-3	Q301	F-3
D607	H-3	Q302	F-2
D608	H-4	Q303	F-2
		Q304	E-3
IC101	F-9	Q305	E-2
IC102	F-8	Q306	E-2
IC103	E-8	Q307	F-1
IC104	E-8	Q308	F-1
IC201	B-8	Q309	F-2
IC202	G-8	Q310	F-1
IC301	F-7	Q313	E-2
IC302	F-6	Q314	E-1
IC303	G-4	Q401	E-1
IC304	F-4	Q402	E-1
IC305	F-3	Q501	E-17
IC306	F-3	Q503	F-13
IC310	F-7	Q504	F-13
IC311	G-5	Q505	F-16
IC401	G-2	Q506	G-16
IC402	G-2	Q551	H-10
IC403	G-1	Q553	G-10
IC501	F-15	Q601	G-8
IC502	H-15	Q602	H-5

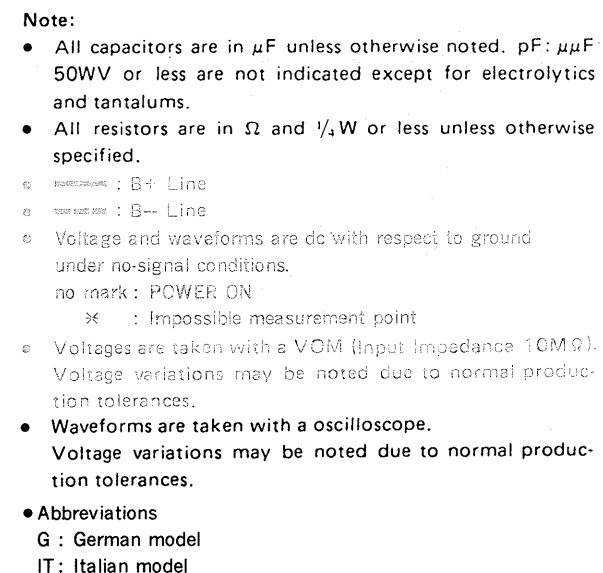
Note:

- : parts extracted from the component side.
- : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side. (PIN JACK Board)

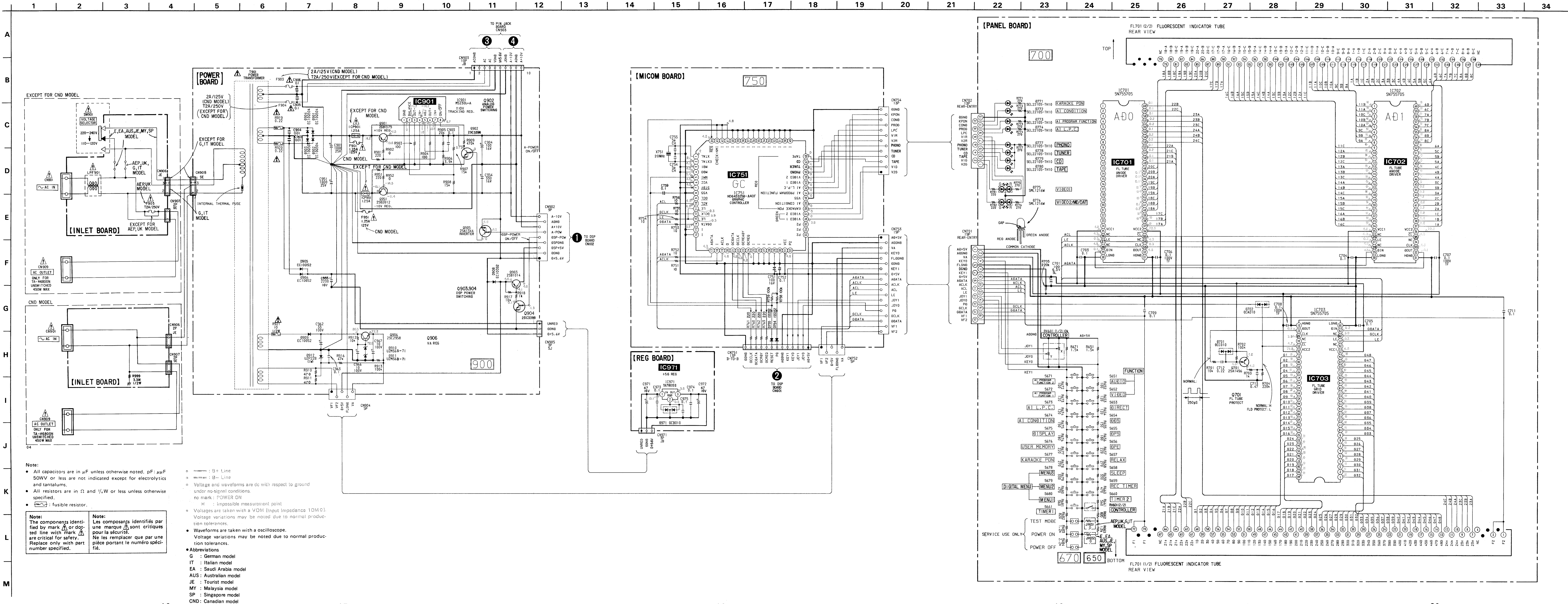
● Abbreviations
G : German model
IT : Italian model

3-4. PRINTED WIRING BOARDS—DSP/PIN JACK SECTION— ● Refer to page 7 for Semiconductor Lead Layouts.

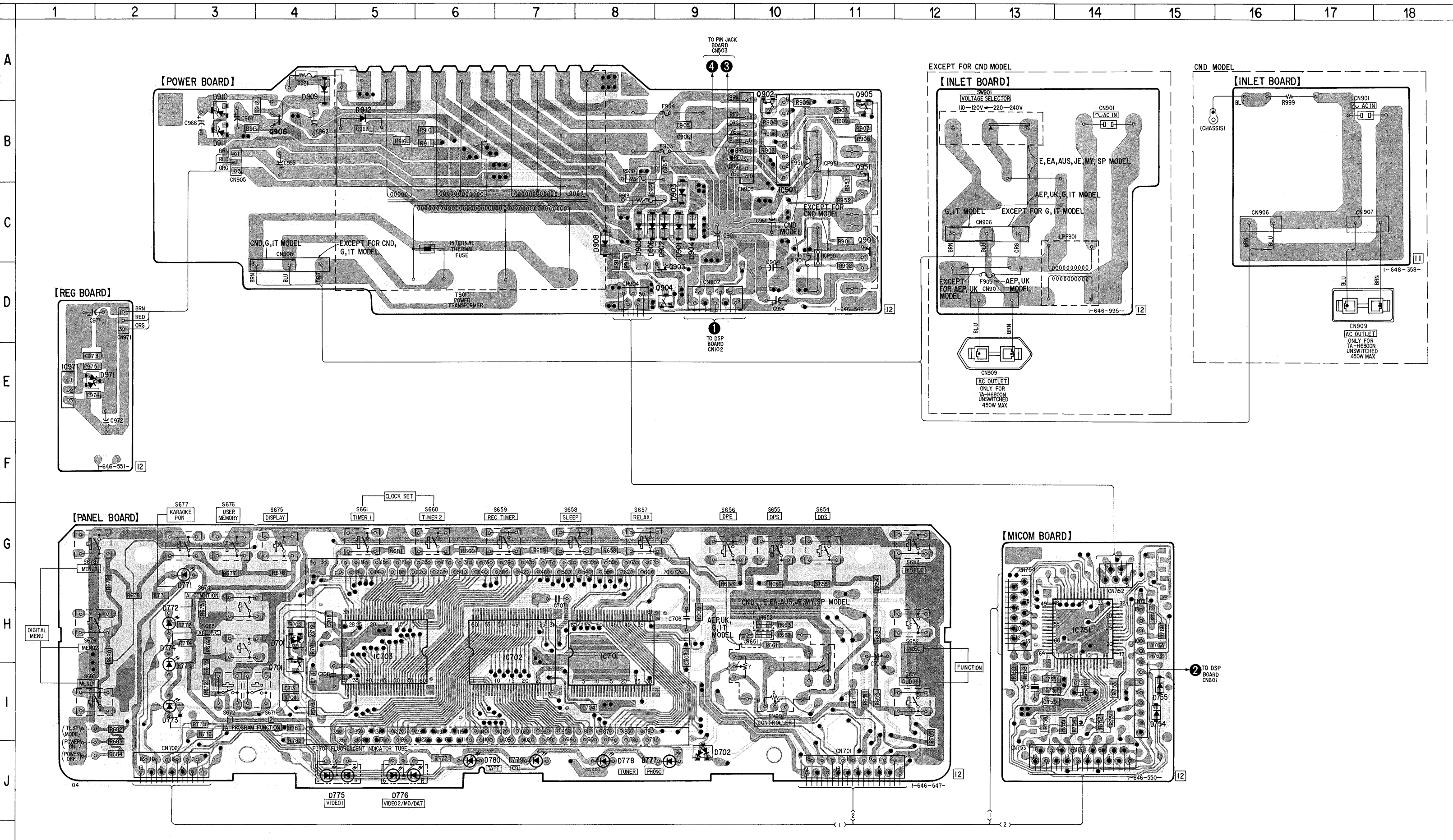




3-6. SCHEMATIC DIAGRAM—POWER/MICOM/PANEL SECTION—



3-7. PRINTED WIRING BOARDS—POWER/MICON/PANEL SECTION— • Refer to page 7 for Semiconductor Lead Layouts.



• Semiconductor Location

Ref. No.	Location
D701	H-4
D702	J-9
D754	I-15
D755	I-15
D771	G-3
D772	H-2
D773	I-2
D774	H-2
D775	J-4
D776	J-5
D777	J-8
D778	J-8
D779	J-7
D780	J-6
D901	C-9
D902	C-9
D903	C-9
D904	C-9
D905	C-8
D906	C-8
D908	C-8
D909	A-4
D910	B-3
D911	B-3
D912	B-5
D971	E-1
IC701	H-8
IC702	H-7
IC703	H-5
IC751	H-14
IC901	C-10
IC971	E-1
Q701	I-4
Q901	C-11
Q902	A-10
Q903	D-9
Q904	D-9
Q905	A-11
Q906	B-4
Q951	B-11

Note:

- : parts extracted from the component side.
- : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.

• Abbreviations

G : German model
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SECTION 4 EXPLODED VIEW

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

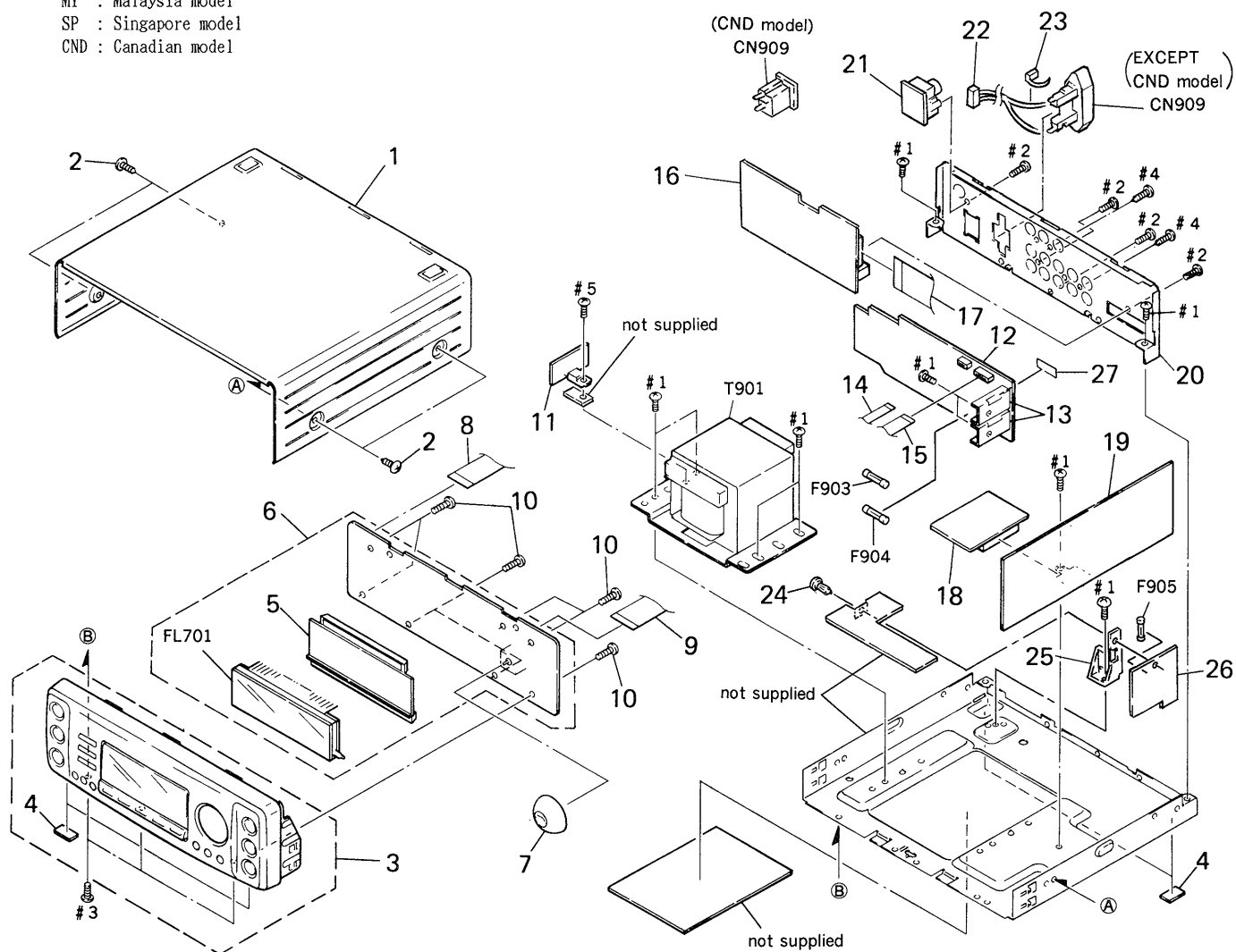
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example :
 KNOB, BALANCE (WHITE)... (RED)
 ↑ ↑
 Parts Color Cabinet's Color
- Hardware (# mark) list is given in the last of this parts list.

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

Les composants identifiés par une
marque  sont critiques pour
la sécurité.
Ne les remplacer que par une pièce
portant le numéro spécifié.

- ## ● Abbreviations

JE : Tourist model
G : German model
IT : Italian model
EA : Saudi Arabia model
AUS : Australian model
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SP : Singapore model
CND : Canadian model



Ref. No.	Part No.	Description	Remark
* 1	4-954-198-41	CASE	
2	3-363-099-21	SCREW (CASE 3 TP2)	
3	X-4943-256-1	PANEL ASSY, FRONT	
4	4-930-336-21	FOOT (FELT)	
* 5	4-954-237-01	HOLDER (FL TUBE)	
* 6	A-4360-026-A	PANEL BOARD, COMPLETE (AEP, UK)	
* 6	A-4360-292-A	PANEL BOARD, COMPLETE (E, JE)	
* 6	A-4360-301-A	PANEL BOARD, COMPLETE (G, IT)	
* 6	A-4360-319-A	PANEL BOARD, COMPLETE (EA, AUS)	
* 6	A-4360-328-A	PANEL BOARD, COMPLETE (MY, SP)	
* 6	A-4360-936-A	PANEL BOARD, COMPLETE (CND)	
7	X-3365-653-1	KNOB (J/S) ASSY	
8	1-696-781-11	WIRE (FLAT TYPE) (13 CORE)	
9	1-696-780-11	WIRE (FLAT TYPE) (19 CORE)	
10	4-951-620-01	SCREW +BVTP 2. 6X8	
* 11	1-646-551-11	REG BOARD	
* 12	A-4360-028-A	POWER BOARD, COMPLETE (AEP, UK)	
* 12	A-4360-294-A	POWER BOARD, COMPLETE (E, JE)	
* 12	A-4360-303-A	POWER BOARD, COMPLETE (G, IT)	
* 12	A-4360-321-A	POWER BOARD, COMPLETE (EA, AUS)	
* 12	A-4360-330-A	POWER BOARD, COMPLETE (MY, SP)	
* 12	A-4360-938-A	POWER BOARD, COMPLETE (CND)	
* 13	3-309-144-21	HEAT SINK	
14	1-590-031-11	WIRE (FLAT TYPE) (5 CORE)	
15	1-590-241-11	WIRE (FLAT TYPE) (9 CORE)	
* 16	A-4360-027-A	PIN JACK BOARD, COMPLETE (AEP, UK)	
* 16	A-4360-293-A	PIN JACK BOARD, COMPLETE (E, JE)	
* 16	A-4360-302-A	PIN JACK BOARD, COMPLETE (G, IT)	
* 16	A-4360-320-A	PIN JACK BOARD, COMPLETE (EA, AUS)	
* 16	A-4360-329-A	PIN JACK BOARD, COMPLETE (MY, SP)	
* 16	A-4360-937-A	PIN JACK BOARD, COMPLETE (CND)	
17	1-575-733-11	WIRE (FLAT TYPE) (17 CORE)	

Ref. No.	Part No.	Description	Remark
* 18	A-4360-029-A	MICOM BOARD, COMPLETE (AEP, UK)	
* 18	A-4360-295-A	MICOM BOARD, COMPLETE (E, JE)	
* 18	A-4360-306-A	MICOM BOARD, COMPLETE (G, IT)	
* 18	A-4360-322-A	MICOM BOARD, COMPLETE (EA, AUS)	
* 18	A-4360-331-A	MICOM BOARD, COMPLETE (MY, SP)	
* 18	A-4360-939-A	MICOM BOARD, COMPLETE (CND)	
* 19	A-4360-025-A	DSP BOARD, COMPLETE (AEP, UK)	
* 19	A-4360-291-A	DSP BOARD, COMPLETE (E, JE)	
* 19	A-4360-300-A	DSP BOARD, COMPLETE (G, IT)	
* 19	A-4360-318-A	DSP BOARD, COMPLETE (EA, AUS)	
* 19	A-4360-327-A	DSP BOARD, COMPLETE (MY, SP)	
* 19	A-4360-934-A	DSP BOARD, COMPLETE (CND)	
* 20	4-954-240-31	PANEL, BACK (AEP)	
* 20	4-954-240-41	PANEL, BACK (G)	
* 20	4-954-240-51	PANEL, BACK (UK)	
* 20	4-954-240-61	PANEL, BACK (IT)	
* 20	4-954-240-71	PANEL, BACK (E, EA, AUS, JE)	
* 20	4-954-240-81	PANEL, BACK (MY)	
* 20	4-954-240-91	PANEL, BACK (SP)	
* 20	4-958-082-02	PANEL, BACK (CND)	
* 21	1-646-997-11	MONITOR BOARD	
22	1-751-216-31	LEAD (WITH CONNECTOR) (2 CORE)	
23	3-655-653-01	BAND (TAITON), BINDING	
24	4-812-134-00	RIVET NYLON, 3. 5	
* 25	4-954-242-01	BRACKET (IN)	
* 26	1-646-995-11	INLET BOARD (EXCEPT CND)	
* 26	1-648-358-11	INLET BOARD (CND)	
* 27	3-701-946-23	LABEL (2A125V), FUSE (CND)	
△CN909	1-526-794-11	OUTLET, AC (AC OUTLET) (EXCEPT CND)	
△CN909	1-526-882-00	OUTLET, AC (AC OUTLET) (CND)	
△F903	1-532-203-00	FUSE, TIME-LAG (T2A/250V) (EXCEPT CND)	
△F903	1-532-743-11	FUSE, GLASS TUBE (2A/125V) (CND)	
△F904	1-532-203-00	FUSE, TIME-LAG (T2A/250V) (EXCEPT CND)	
△F904	1-532-743-11	FUSE, GLASS TUBE (2A/125V) (CND)	
△F905	1-532-203-00	FUSE, TIME-LAG (T2A/250V) (AEP, UK)	
FL701	1-517-110-11	INDICATOR TUBE, FLUORESCENT	
△T901	1-423-541-11	TRANSFORMER, POWER (AEP, G, IT)	
△T901	1-423-542-11	TRANSFORMER, POWER (E, EA, AUS, JE, MY, SP)	
△T901	1-423-561-11	TRANSFORMER, POWER (UK)	
△T901	1-423-708-11	TRANSFORMER, POWER (CND)	

SECTION 5 ELECTRICAL PARTS LIST

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

- 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

● Abbreviations

JE : Tourist model	AUS : Australian model
G : German model	MY : Malaysia model
IT : Italian model	SP : Singapore model
EA : Saudi Arabia model	CND : Canadian model

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

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4360-025-A	DSP BOARD, COMPLETE (AEP, UK)		C301	1-163-038-00	CERAMIC CHIP 0.1uF	25V
*	A-4360-291-A	DSP BOARD, COMPLETE (E, JE)		C302	1-126-022-11	ELECT 47uF	20% 16V
*	A-4360-300-A	DSP BOARD, COMPLETE (G, IT)		C303	1-163-038-00	CERAMIC CHIP 0.1uF	25V
*	A-4360-318-A	DSP BOARD, COMPLETE (EA, AUS)		C304	1-163-038-00	CERAMIC CHIP 0.1uF	25V
*	A-4360-327-A	DSP BOARD, COMPLETE (MY, SP)		C305	1-163-038-00	CERAMIC CHIP 0.1uF	25V
*	A-4360-934-A	DSP BOARD, COMPLETE (CND)					
*****				C307	1-164-005-11	CERAMIC CHIP 0.47uF	25V
< CAPACITOR >				C311	1-163-131-00	CERAMIC CHIP 390PF	5% 50V
C101	1-126-049-11	ELECT 22uF	20% 25V	C312	1-163-257-11	CERAMIC CHIP 180PF	5% 50V
C102	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C313	1-163-257-11	CERAMIC CHIP 180PF	5% 50V
		(G, IT)		C314	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C104	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C315	1-163-017-00	CERAMIC CHIP 0.0047uF	5% 50V
C105	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C316	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C106	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C317	1-126-022-11	ELECT 47uF	20% 16V
C107	1-126-163-11	ELECT 4.7uF	20% 50V	C318	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C108	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C319	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C109	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C320	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C110	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C321	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C111	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C322	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C112	1-126-059-11	ELECT 10uF	20% 50V	C323	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C113	1-126-059-11	ELECT 10uF	20% 50V	C324	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C114	1-164-005-11	CERAMIC CHIP 0.47uF	25V	C325	1-163-143-00	CERAMIC CHIP 0.0012uF	5% 50V
C115	1-164-005-11	CERAMIC CHIP 0.47uF	25V	C326	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C151	1-126-049-11	ELECT 22uF	20% 25V	C327	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C152	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C328	1-164-232-11	CERAMIC CHIP 0.01uF	50V
		(G, IT)		C340	1-126-022-11	ELECT 47uF	20% 16V
C154	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C351	1-163-131-00	CERAMIC CHIP 390PF	5% 50V
C155	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C352	1-163-257-11	CERAMIC CHIP 180PF	5% 50V
C201	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	C353	1-163-257-11	CERAMIC CHIP 180PF	5% 50V
C202	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	C354	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C203	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C355	1-163-017-00	CERAMIC CHIP 0.0047uF	5% 50V
C204	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C356	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C205	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C357	1-126-022-11	ELECT 47uF	20% 16V
C206	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C358	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C207	1-126-101-11	ELECT 100uF	20% 16V	C359	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C208	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C360	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C209	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C365	1-163-143-00	CERAMIC CHIP 0.0012uF	5% 50V
C211	1-164-232-11	CERAMIC CHIP 0.01uF	50V	C381	1-126-022-11	ELECT 47uF	20% 16V
C212	1-163-038-00	CERAMIC CHIP 0.1uF	25V	C401	1-163-038-00	CERAMIC CHIP 0.1uF	25V
C213	1-164-346-11	CERAMIC CHIP 1uF	16V	C402	1-163-038-00	CERAMIC CHIP 0.1uF	25V
				C403	1-126-022-11	ELECT 47uF	20% 16V

Ref. No.	Part No.	Description	Remark
C404	1-126-022-11	ELECT	47uF 20% 16V
C411	1-126-059-11	ELECT	10uF 20% 50V
C412	1-163-020-00	CERAMIC CHIP	0.0082uF 10% 50V
C413	1-163-011-11	CERAMIC CHIP	0.0015uF 10% 50V
C414	1-164-343-11	CERAMIC CHIP	0.056uF 10% 25V
C415	1-163-011-11	CERAMIC CHIP	0.0015uF 10% 50V
C436	1-124-443-00	ELECT	100uF 20% 10V
C438	1-126-025-11	ELECT	330uF 20% 16V
C439	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C440	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C451	1-126-059-11	ELECT	10uF 20% 50V
C452	1-163-020-00	CERAMIC CHIP	0.0082uF 10% 50V
C453	1-163-011-11	CERAMIC CHIP	0.0015uF 10% 50V
C454	1-164-343-11	CERAMIC CHIP	0.056uF 10% 25V
C455	1-163-011-11	CERAMIC CHIP	0.0015uF 10% 50V
C601	1-124-472-11	ELECT	470uF 20% 10V
C603	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C604	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C606	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C607	1-164-232-11	CERAMIC CHIP	0.01uF 50V
C608	1-126-022-11	ELECT	47uF 20% 16V
C609	1-126-022-11	ELECT	47uF 20% 16V
C610	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C611	1-163-222-11	CERAMIC CHIP	5PF 0.25PF 50V
C612	1-163-222-11	CERAMIC CHIP	5PF 0.25PF 50V
C613	1-164-005-11	CERAMIC CHIP	0.47uF 25V
C615	1-126-101-11	ELECT	100uF 20% 16V
C616	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C617	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C620	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C621	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C697	1-163-124-00	CERAMIC CHIP	200PF 5% 50V
C699	1-164-232-11	CERAMIC CHIP	0.01uF 50V

< CONNECTOR >

* CN101	1-568-836-11	SOCKET, CONNECTOR 17P
* CN102	1-568-828-11	SOCKET, CONNECTOR 9P
CN601	1-573-094-11	SOCKET, CONNECTOR 13P

< DIODE >

D105	8-719-990-39	DIODE	DCB010
D601	8-719-800-76	DIODE	1SS226
D602	8-719-210-33	DIODE	EC10DS2
D603	8-719-800-76	DIODE	1SS226
D604	8-719-990-36	DIODE	DCA010
D605	8-719-021-31	DIODE	UZM5.1B
D607	8-719-016-74	DIODE	1SS352
D608	8-719-016-74	DIODE	1SS352

Ref. No.	Part No.	Description	Remark
< IC >			
IC101	8-759-636-55	IC	M5218AFP
IC102	8-759-045-15	IC	CS5339-KS
IC103	8-759-708-05	IC	NJM78L05A
IC104	8-759-700-65	IC	NJM79L05A
IC201	8-752-352-30	IC	CXD2705AQ
IC202	8-759-085-03	IC	M5M411664TP-6
IC301	8-752-342-65	IC	CXD2560M
IC302	8-752-351-19	IC	CXD2561BM
IC303	8-759-708-05	IC	NJM78L05A
IC304	8-759-636-55	IC	M5218AFP
IC305	8-759-636-55	IC	M5218AFP
IC306	8-759-636-55	IC	M5218AFP
IC310	8-759-926-98	IC	SN74HC4040ANS
IC311	8-759-925-90	IC	SN74HC74ANS
IC401	8-759-148-30	IC	uPD6376
IC402	8-759-636-55	IC	M5218AFP
IC403	8-759-636-55	IC	M5218AFP
IC601	8-759-082-92	IC	HD6433258-MC
IC602	8-759-634-43	IC	M51953BFP
IC603	8-759-082-94	IC	SPC5243MOB
IC604	8-759-245-58	IC	TC35095AF
IC605	8-759-512-48	IC	XR-1092
< JUMPER RESISTOR >			
JR601	1-216-295-00	METAL CHIP	0 5% 1/10W
JR604	1-216-295-00	METAL CHIP	0 5% 1/10W
JR605	1-216-295-00	METAL CHIP	0 5% 1/10W
< INDUCTOR >			
L401	1-410-381-11	INDUCTOR CHIP	10uH
L402	1-410-482-31	INDUCTOR	100uH
L601	1-410-393-11	INDUCTOR CHIP	100uH
< TRANSISTOR >			
Q301	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q302	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q303	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q304	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q305	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q306	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q307	8-729-805-65	TRANSISTOR	2SA1344
Q308	8-729-805-65	TRANSISTOR	2SA1344
Q309	8-729-805-65	TRANSISTOR	2SA1344
Q310	8-729-805-65	TRANSISTOR	2SA1344
Q313	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q314	8-729-107-46	TRANSISTOR	2SC3624A-L15
Q401	8-729-107-46	TRANSISTOR	2SC3624A-L15

Ref. No.	Part No.	Description	Remark			
Q402	8-729-107-46	TRANSISTOR	2SC3624A-L15			
Q601	8-729-120-28	TRANSISTOR	2SC1623-L5L6			
Q602	8-729-805-43	TRANSISTOR	2SC3396			
< RESISTOR >						
R101	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R103	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R104	1-216-025-00	METAL CHIP	100	5%	1/10W	
R105	1-216-001-00	METAL CHIP	10	5%	1/10W	
R106	1-216-021-00	METAL CHIP	68	5%	1/10W	
R107	1-216-021-00	METAL CHIP	68	5%	1/10W	
R108	1-216-019-00	METAL CHIP	56	5%	1/10W	
R109	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R151	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R153	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R154	1-216-025-00	METAL CHIP	100	5%	1/10W	
R158	1-216-019-00	METAL CHIP	56	5%	1/10W	
R159	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R201	1-216-001-00	METAL CHIP	10	5%	1/10W	
R202	1-216-066-00	METAL CHIP	5.1K	5%	1/10W	
R301	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R302	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R303	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R304	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R305	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R306	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R307	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R308	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R309	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R310	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R311	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R312	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R313	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R314	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R315	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R316	1-216-046-00	METAL CHIP	750	5%	1/10W	
R317	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R318	1-216-035-00	METAL CHIP	270	5%	1/10W	
R319	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R320	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R321	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R322	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R323	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R324	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R325	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R326	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R328	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R329	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R331	1-216-295-00	METAL CHIP	0	5%	1/10W	

Ref. No.	Part No.	Description	Remark			
R332	1-216-295-00	METAL CHIP	0	5%	1/10W	
R334	1-216-295-00	METAL CHIP	0	5%	1/10W	
R335	1-216-025-00	METAL CHIP	100	5%	1/10W	
R351	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R352	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R353	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R354	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R355	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R356	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R357	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R358	1-216-075-00	METAL CHIP	12K	5%	1/10W	
R359	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R360	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R361	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R362	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R363	1-216-063-00	METAL CHIP	3.9K	5%	1/10W	
R364	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R365	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R366	1-216-046-00	METAL CHIP	750	5%	1/10W	
R367	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R368	1-216-035-00	METAL CHIP	270	5%	1/10W	
R369	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R370	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R371	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R375	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R378	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R401	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R402	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R403	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R404	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R405	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R406	1-216-050-00	METAL GLAZE	1.1K	5%	1/10W	
R407	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R408	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R411	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R451	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R452	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R453	1-216-059-00	METAL CHIP	2.7K	5%	1/10W	
R454	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R455	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R456	1-216-050-00	METAL GLAZE	1.1K	5%	1/10W	
R457	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R458	1-216-049-00	METAL CHIP	1K	5%	1/10W	
R461	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R601	1-216-295-00	METAL CHIP	0	5%	1/10W	
R602	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R603	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R604	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R605	1-216-097-00	METAL CHIP	100K	5%	1/10W	

Ref. No.	Part No.	Description	Remark		
R606	1-216-097-00	METAL CHIP	100K	5%	1/10W
R607	1-216-097-00	METAL CHIP	100K	5%	1/10W
R609	1-216-097-00	METAL CHIP	100K	5%	1/10W
R610	1-216-073-00	METAL CHIP	10K	5%	1/10W
R611	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R612	1-216-295-00	METAL CHIP	0	5%	1/10W
R613	1-216-073-00	METAL CHIP	10K	5%	1/10W
R614	1-216-097-00	METAL CHIP	100K	5%	1/10W
R615	1-216-097-00	METAL CHIP	100K	5%	1/10W
R616	1-216-089-00	METAL CHIP	47K	5%	1/10W
R617	1-216-089-00	METAL CHIP	47K	5%	1/10W
R618	1-216-069-00	METAL CHIP	6.8K	5%	1/10W
R619	1-216-049-00	METAL CHIP	1K	5%	1/10W
R620	1-216-089-00	METAL CHIP	47K	5%	1/10W
R621	1-216-037-00	METAL CHIP	330	5%	1/10W
R631	1-216-001-00	METAL CHIP	10	5%	1/10W
R632	1-216-001-00	METAL CHIP	10	5%	1/10W
R633	1-216-001-00	METAL CHIP	10	5%	1/10W
R634	1-216-001-00	METAL CHIP	10	5%	1/10W
R635	1-216-033-00	METAL CHIP	220	5%	1/10W
R636	1-216-033-00	METAL CHIP	220	5%	1/10W
R637	1-216-033-00	METAL CHIP	220	5%	1/10W
R638	1-216-033-00	METAL CHIP	220	5%	1/10W
R639	1-216-033-00	METAL CHIP	220	5%	1/10W
R640	1-216-033-00	METAL CHIP	220	5%	1/10W
R642	1-216-097-00	METAL CHIP	100K	5%	1/10W
R643	1-216-097-00	METAL CHIP	100K	5%	1/10W
R644	1-216-097-00	METAL CHIP	100K	5%	1/10W
R645	1-216-073-00	METAL CHIP	10K	5%	1/10W
R646	1-216-073-00	METAL CHIP	10K	5%	1/10W
R647	1-216-113-00	METAL CHIP	470K	5%	1/10W
R648	1-216-113-00	METAL CHIP	470K	5%	1/10W
R699	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
< VIBRATOR >					
X201	1-579-069-11	VIBRATOR, CRYSTAL (49.152MHz)			
X251	1-579-314-11	VIBRATOR, CRYSTAL (22.58MHz)			
X601	1-567-928-11	VIBRATOR, CERAMIC (20MHz)			
X602	1-579-258-21	VIBRATOR, CRYSTAL (32.768kHz)			

Ref. No.	Part No.	Description	Remark		
*	1-646-995-11	INLET BOARD (EXCEPT CND)			
*	1-648-358-11	INLET BOARD (CND)			

*	1-533-213-11	HOLDER, FUSE (EXCEPT CND)			
< CONNECTOR >					
△CN901	1-526-930-11	INLET, AC (∼ AC IN) (CND, E, JE)			
△CN901	1-526-931-11	INLET, AC (∼ AC IN) (AEP, UK, G, IT, EA, AUS, MY, SP)			
CN906	1-564-321-00	PIN, CONNECTOR 2P (CND, G, IT)			
CN906	1-564-687-11	PIN, CONNECTOR 3P (AEP, UK, E, EA, AUS, JE, MY, SP)			
CN907	1-564-321-00	PIN, CONNECTOR 2P			
< FUSE >					
△F905	1-532-203-00	FUSE, TIME-LAG (T2A/250V) (AEP, UK)			
< FILTER >					
△LPF901	1-424-485-11	FILTER, LINE (EXCEPT CND)			
< RESISTOR >					
R999	1-202-725-00	SOLID	3.3M	10%	1/2W (CND)
< SWITCH >					
△SW901	1-572-675-11	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (E, EA, AUS, JE, MY, SP)			

*	A-4360-029-A	MICOM BOARD, COMPLETE (AEP, UK)			
*	A-4360-295-A	MICOM BOARD, COMPLETE (E, JE)			
*	A-4360-306-A	MICOM BOARD, COMPLETE (G, IT)			
*	A-4360-322-A	MICOM BOARD, COMPLETE (EA, AUS)			
*	A-4360-331-A	MICOM BOARD, COMPLETE (MY, SP)			
*	A-4360-939-A	MICOM BOARD, COMPLETE (CND)			

< CAPACITOR >					
C751	1-126-023-11	ELECT	100uF	20%	16V
C752	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C754	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C755	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C759	1-163-038-00	CERAMIC CHIP	0.1uF		25V
< CONNECTOR >					
* CN751	1-573-087-11	PIN, CONNECTOR 13P			
* CN752	1-568-824-11	SOCKET, CONNECTOR 5P			
CN753	1-568-802-11	SOCKET, CONNECTOR 19P			
* CN754	1-568-832-11	SOCKET, CONNECTOR 13P			

The components identified by mark △ or dotted line with mark. △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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MICOM

MONITOR

PANEL

Ref. No.	Part No.	Description	Remark
< DIODE >			
D754	8-719-016-74	DIODE 1SS352	
D755	8-719-016-74	DIODE 1SS352	
< IC >			
IC751	8-759-082-93	IC HD6433258A40F	
< RESISTOR >			
R751	1-216-001-00	METAL CHIP 10 5% 1/10W	
R752	1-216-001-00	METAL CHIP 10 5% 1/10W	
R753	1-216-001-00	METAL CHIP 10 5% 1/10W	
R754	1-216-001-00	METAL CHIP 10 5% 1/10W	
R755	1-216-001-00	METAL CHIP 10 5% 1/10W	
R756	1-216-001-00	METAL CHIP 10 5% 1/10W	
R758	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R759	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R760	1-216-033-00	METAL CHIP 220 5% 1/10W	
R761	1-216-033-00	METAL CHIP 220 5% 1/10W	
R762	1-216-033-00	METAL CHIP 220 5% 1/10W	
R763	1-216-033-00	METAL CHIP 220 5% 1/10W	
< VIBRATOR >			
X751	1-567-928-11	VIBRATOR, CERAMIC (20MHz)	

*	1-646-997-11	MONITOR BOARD	

< CONNECTOR >			
* CN552	1-573-273-11	PIN, CONNECTOR 3P	
< JACK >			
J552	1-569-143-11	JACK, PIN 1P (MONITOR OUT VIDEO)	

*	A-4360-026-A	PANEL BOARD, COMPLETE (AEP, UK)	
*	A-4360-292-A	PANEL BOARD, COMPLETE (E, JE)	
*	A-4360-301-A	PANEL BOARD, COMPLETE (G, IT)	
*	A-4360-319-A	PANEL BOARD, COMPLETE (EA, AUS)	
*	A-4360-328-A	PANEL BOARD, COMPLETE (MY, SP)	
*	A-4360-936-A	PANEL BOARD, COMPLETE (CND)	

*	4-954-237-01	HOLDER (FL TUBE)	
< CAPACITOR >			
C701	1-124-584-00	ELECT 100uF 20% 10V	
C703	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C704	1-163-038-00	CERAMIC CHIP 0.1uF 25V	

Ref. No.	Part No.	Description	Remark
C705	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C706	1-104-694-11	FILM 0.1uF 5% 50V	
C707	1-104-694-11	FILM 0.1uF 5% 50V	
C708	1-104-694-11	FILM 0.1uF 5% 50V	
C709	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C711	1-163-038-00	CERAMIC CHIP 0.1uF 25V	
C712	1-164-222-11	CERAMIC CHIP 0.22uF 25V	
C713	1-164-005-11	CERAMIC CHIP 0.47uF 25V	
< CONNECTOR >			
CN701	1-691-650-11	SOCKET, CONNECTOR 19P	
CN702	1-691-647-11	SOCKET, CONNECTOR 13P	
< DIODE >			
D701	8-719-800-76	DIODE 1SS226	
D702	8-719-990-36	DIODE DCA010	
D771	8-719-301-37	LED SEL2210S-CD (KARAOKE PON)	
D772	8-719-301-37	LED SEL2210S-CD (AI CONDITION)	
D773	8-719-301-37	LED SEL2210S-CD (AI PROGRAM FUNCTION)	
D774	8-719-301-37	LED SEL2210S-CD (AI L. P. C.)	
D775	8-719-025-62	LED SML1216W (VIDEO1)	
D776	8-719-025-62	LED SML1216W (VIDEO2/MD/DAT)	
D777	8-719-301-37	LED SEL2210S-CD (PHONO)	
D778	8-719-301-37	LED SEL2210S-CD (TUNER)	
D779	8-719-301-37	LED SEL2210S-CD (CD)	
D780	8-719-301-37	LED SEL2210S-CD (TAPE)	
< FLUORESCENT INDICATOR >			
FL701	1-517-110-11	INDICATOR TUBE, FLUORESCENT	
< IC >			
IC701	8-759-082-95	IC SN755705	
IC702	8-759-082-95	IC SN755705	
IC703	8-759-082-95	IC SN755705	
< JUMPER RESISTOR >			
JR651	1-216-295-00	METAL CHIP 0 5% 1/10W	
		(AEP, UK, G, IT)	
JR652	1-216-295-00	METAL CHIP 0 5% 1/10W (CND,	
		E, EA, AUS, JE, MY, SP)	
< TRANSISTOR >			
Q701	8-729-805-66	TRANSISTOR 2SA1496	
< RESISTOR >			
R651	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R652	1-216-025-00	METAL CHIP 100 5% 1/10W	
R653	1-216-027-00	METAL CHIP 120 5% 1/10W	

PANEL

PIN JACK

Ref. No.	Part No.	Description	Remark
R654	1-216-027-00	METAL CHIP	120 5% 1/10W
R655	1-216-029-00	METAL CHIP	150 5% 1/10W
R656	1-216-031-00	METAL CHIP	180 5% 1/10W
R657	1-216-033-00	METAL CHIP	220 5% 1/10W
R658	1-216-035-00	METAL CHIP	270 5% 1/10W
R659	1-216-037-00	METAL CHIP	330 5% 1/10W
R660	1-216-041-00	METAL CHIP	470 5% 1/10W
R661	1-216-043-00	METAL CHIP	560 5% 1/10W
R662	1-216-047-00	METAL CHIP	820 5% 1/10W
R663	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R671	1-216-053-00	METAL CHIP	1.5K 5% 1/10W
R672	1-216-025-00	METAL CHIP	100 5% 1/10W
R673	1-216-027-00	METAL CHIP	120 5% 1/10W
R674	1-216-027-00	METAL CHIP	120 5% 1/10W
R675	1-216-029-00	METAL CHIP	150 5% 1/10W
R676	1-216-031-00	METAL CHIP	180 5% 1/10W
R677	1-216-033-00	METAL CHIP	220 5% 1/10W
R678	1-216-035-00	METAL CHIP	270 5% 1/10W
R679	1-216-037-00	METAL CHIP	330 5% 1/10W
R680	1-216-041-00	METAL CHIP	470 5% 1/10W
R681	1-216-043-00	METAL CHIP	560 5% 1/10W
R682	1-216-047-00	METAL CHIP	820 5% 1/10W
R683	1-216-051-00	METAL CHIP	1.2K 5% 1/10W
R684	1-216-057-00	METAL CHIP	2.2K 5% 1/10W
R701	1-216-073-00	METAL CHIP	10K 5% 1/10W
R702	1-216-097-00	METAL CHIP	100K 5% 1/10W
R703	1-216-049-00	METAL CHIP	1K 5% 1/10W
R704	1-216-105-00	METAL CHIP	220K 5% 1/10W
R705	1-216-105-00	METAL CHIP	220K 5% 1/10W
R771	1-216-035-00	METAL CHIP	270 5% 1/10W
R772	1-216-035-00	METAL CHIP	270 5% 1/10W
R773	1-216-035-00	METAL CHIP	270 5% 1/10W
R774	1-216-035-00	METAL CHIP	270 5% 1/10W
R775	1-216-035-00	METAL CHIP	270 5% 1/10W
R776	1-216-035-00	METAL CHIP	270 5% 1/10W
R777	1-216-035-00	METAL CHIP	270 5% 1/10W
R781	1-216-033-00	METAL CHIP	220 5% 1/10W
R782	1-216-033-00	METAL CHIP	220 5% 1/10W
< VARIABLE RESISTOR >			
RV601	1-223-174-11	RES, VAR, CARBON (WITH SWITCH) 10K (CONTROLLER)	
< SWITCH >			
S651	1-554-303-21	SWITCH, TACTILE (AUDIO FUNCTION)	
S652	1-554-303-21	SWITCH, TACTILE (VIDEO FUNCTION)	
S653	1-554-303-21	SWITCH, TACTILE (DIRECT)	
S654	1-554-303-21	SWITCH, TACTILE (DDS)	
S655	1-554-303-21	SWITCH, TACTILE (DPS)	

Ref. No.	Part No.	Description	Remark
S656	1-554-303-21	SWITCH, TACTILE (DPE)	
S657	1-554-303-21	SWITCH, TACTILE (RELAX)	
S658	1-554-303-21	SWITCH, TACTILE (SLEEP)	
S659	1-554-303-21	SWITCH, TACTILE (REC TIMER)	
S660	1-554-303-21	SWITCH, TACTILE (TIMER2)	
S661	1-554-303-21	SWITCH, TACTILE (TIMER1)	
S671	1-554-303-21	SWITCH, TACTILE (AI PROGRAM FUNCTION 2)	
S672	1-554-303-21	SWITCH, TACTILE (AI PROGRAM FUNCTION 1)	
S673	1-554-303-21	SWITCH, TACTILE (AI L. P. C.)	
S674	1-554-303-21	SWITCH, TACTILE (AI CONDITION)	
S675	1-554-303-21	SWITCH, TACTILE (DISPLAY)	
S676	1-554-303-21	SWITCH, TACTILE (USER MEMORY)	
S677	1-554-303-21	SWITCH, TACTILE (KARAOKE PON)	
S678	1-554-303-21	SWITCH, TACTILE (MENU3)	
S679	1-554-303-21	SWITCH, TACTILE (MENU2)	
S680	1-554-303-21	SWITCH, TACTILE (MENU1)	

*	A-4360-027-A	PIN JACK BOARD, COMPLETE (AEP, UK)	
*	A-4360-293-A	PIN JACK BOARD, COMPLETE (E, JE)	
*	A-4360-302-A	PIN JACK BOARD, COMPLETE (G, IT)	
*	A-4360-320-A	PIN JACK BOARD, COMPLETE (EA, AUS)	
*	A-4360-329-A	PIN JACK BOARD, COMPLETE (MY, SP)	
*	A-4360-937-A	PIN JACK BOARD, COMPLETE (CND)	

< CAPACITOR >			
C501	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C502	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C503	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C504	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C505	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C506	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C521	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C522	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C523	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C524	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C525	1-163-003-11	CERAMIC CHIP	330PF 10% 50V
C526	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C527	1-126-023-11	ELECT	100uF 20% 16V
C528	1-126-023-11	ELECT	100uF 20% 16V
C529	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C530	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C531	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C532	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C533	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C534	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C535	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C536	1-163-038-00	CERAMIC CHIP	0.1uF 25V
C551	1-126-059-11	ELECT	10uF 20% 50V

PIN JACK

Ref. No.	Part No.	Description	Remark
C552	1-126-059-11	ELECT 10uF	20% 50V
C553	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C554	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C555	1-126-022-11	ELECT 47uF	20% 16V
C556	1-164-232-11	CERAMIC CHIP 0.01uF	50V
C557	1-126-022-11	ELECT 47uF	20% 16V
C560	1-126-925-11	ELECT 470uF	20% 10V
C562	1-126-925-11	ELECT 470uF	20% 10V
C571	1-164-005-11	CERAMIC CHIP 0.47uF	25V
C572	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C573	1-126-163-11	ELECT 4.7uF	20% 50V
C574	1-163-018-00	CERAMIC CHIP 0.0056uF	5% 50V
C575	1-163-011-11	CERAMIC CHIP 0.0015uF	10% 50V
C576	1-164-505-11	CERAMIC CHIP 2.2uF	16V
C577	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C581	1-164-005-11	CERAMIC CHIP 0.47uF	25V
C582	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C583	1-126-163-11	ELECT 4.7uF	20% 50V
C584	1-163-018-00	CERAMIC CHIP 0.0056uF	5% 50V
C585	1-163-011-11	CERAMIC CHIP 0.0015uF	10% 50V
C586	1-164-505-11	CERAMIC CHIP 2.2uF	16V
C587	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
< CONNECTOR >			
CN501	1-580-740-31	SOCKET, CONNECTOR 17P (SYSTEM CONTROL)	
CN502	1-568-860-11	SOCKET, CONNECTOR 17P	
CN503	1-695-009-11	PIN, CONNECTOR (PC BOARD) 9P	
CN551	1-751-217-21	LEAD (WITH CONNECTOR) (3 CORE)	
< DIODE >			
D501	8-719-021-31	DIODE UZM5.1B	
D502	8-719-021-31	DIODE UZM5.1B	
D503	8-719-990-36	DIODE DCA010	
< IC >			
IC501	8-759-009-06	IC MC14052BF	
IC502	8-759-008-67	IC MC14066BF	
IC503	8-759-636-55	IC M5218AFP	
IC551	8-759-061-95	IC SN761200	
< JACK >			
J501	1-565-304-11	JACK, PIN 4P (VIDEO1 OUT/IN AUDIO)	
* J502	1-569-812-11	JACK, PIN 6P (PHONO IN AUDIO, VIDEO2/MD/DAT OUT/IN AUDIO)	
J551	1-750-577-11	JACK, PIN 3P (VIDEO2/MD/DAT IN VIDEO, VIDEO1 OUT/IN VIDEO)	

Ref. No.	Part No.	Description	Remark
< JUMPER RESISTOR >			
JR501	1-216-295-00	METAL CHIP 0 5%	1/10W
< INDUCTOR >			
L551	1-408-789-21	INDUCTOR CHIP 100uH	
< TRANSISTOR >			
Q501	8-729-805-65	TRANSISTOR 2SA1344	
Q503	8-729-805-41	TRANSISTOR 2SC3398	
Q504	8-729-805-65	TRANSISTOR 2SA1344	
Q505	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q506	8-729-107-46	TRANSISTOR 2SC3624A-L15	
Q551	8-729-600-22	TRANSISTOR 2SA1235-F	
Q553	8-729-600-22	TRANSISTOR 2SA1235-F	
< RESISTOR >			
R501	1-216-049-00	METAL CHIP 1K 5%	1/10W
R502	1-216-049-00	METAL CHIP 1K 5%	1/10W
R503	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R504	1-216-065-00	METAL CHIP 4.7K 5%	1/10W
R505	1-216-049-00	METAL CHIP 1K 5%	1/10W
R506	1-216-049-00	METAL CHIP 1K 5%	1/10W
R507	1-216-097-00	METAL CHIP 100K 5%	1/10W
R508	1-216-115-00	METAL CHIP 560K 5%	1/10W
R509	1-216-073-00	METAL CHIP 10K 5%	1/10W
R510	1-216-073-00	METAL CHIP 10K 5%	1/10W
R511	1-216-115-00	METAL CHIP 560K 5%	1/10W
R512	1-216-097-00	METAL CHIP 100K 5%	1/10W
R522	1-216-041-00	METAL CHIP 470 5%	1/10W
R523	1-216-041-00	METAL CHIP 470 5%	1/10W
R524	1-216-041-00	METAL CHIP 470 5%	1/10W
R525	1-216-041-00	METAL CHIP 470 5%	1/10W
R528	1-216-115-00	METAL CHIP 560K 5%	1/10W
R529	1-216-115-00	METAL CHIP 560K 5%	1/10W
R530	1-216-115-00	METAL CHIP 560K 5%	1/10W
R531	1-216-115-00	METAL CHIP 560K 5%	1/10W
R533	1-216-097-00	METAL CHIP 100K 5%	1/10W
R536	1-216-049-00	METAL CHIP 1K 5%	1/10W
R537	1-216-049-00	METAL CHIP 1K 5%	1/10W
R538	1-216-025-00	METAL CHIP 100 5%	1/10W
R539	1-216-025-00	METAL CHIP 100 5%	1/10W
R540	1-216-025-00	METAL CHIP 100 5%	1/10W
R541	1-216-025-00	METAL CHIP 100 5%	1/10W
R542	1-216-025-00	METAL CHIP 100 5%	1/10W
R543	1-216-025-00	METAL CHIP 100 5%	1/10W
R544	1-216-073-00	METAL CHIP 10K 5%	1/10W
R545	1-216-073-00	METAL CHIP 10K 5%	1/10W

PIN JACK

POWER

Ref. No.	Part No.	Description	Remark		
R546	1-216-073-00	METAL CHIP	10K	5%	1/10W
R547	1-216-073-00	METAL CHIP	10K	5%	1/10W
R548	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R549	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R551	1-216-022-00	METAL CHIP	75	5%	1/10W
R552	1-216-022-00	METAL CHIP	75	5%	1/10W
R553	1-216-097-00	METAL CHIP	100K	5%	1/10W
R554	1-216-097-00	METAL CHIP	100K	5%	1/10W
R555	1-216-031-00	METAL CHIP	180	5%	1/10W
R557	1-216-031-00	METAL CHIP	180	5%	1/10W
R558	1-216-025-00	METAL CHIP	100	5%	1/10W
R560	1-216-025-00	METAL CHIP	100	5%	1/10W
R561	1-216-022-00	METAL CHIP	75	5%	1/10W
R563	1-216-022-00	METAL CHIP	75	5%	1/10W
R564	1-216-049-00	METAL CHIP	1K	5%	1/10W
R566	1-216-049-00	METAL CHIP	1K	5%	1/10W
R567	1-216-025-00	METAL CHIP	100	5%	1/10W
R568	1-216-025-00	METAL CHIP	100	5%	1/10W
R571	1-216-089-00	METAL CHIP	47K	5%	1/10W
R572	1-216-047-00	METAL CHIP	820	5%	1/10W
R573	1-216-115-00	METAL CHIP	560K	5%	1/10W
R574	1-216-089-00	METAL CHIP	47K	5%	1/10W
R575	1-216-001-00	METAL CHIP	10	5%	1/10W
R576	1-216-097-00	METAL CHIP	100K	5%	1/10W
R581	1-216-089-00	METAL CHIP	47K	5%	1/10W
R582	1-216-047-00	METAL CHIP	820	5%	1/10W
R583	1-216-115-00	METAL CHIP	560K	5%	1/10W
R584	1-216-089-00	METAL CHIP	47K	5%	1/10W
R585	1-216-001-00	METAL CHIP	10	5%	1/10W
R586	1-216-097-00	METAL CHIP	100K	5%	1/10W

*	A-4360-028-A	POWER BOARD, COMPLETE (AEP, UK)			
*	A-4360-294-A	POWER BOARD, COMPLETE (E, JE)			
*	A-4360-303-A	POWER BOARD, COMPLETE (G, IT)			
*	A-4360-321-A	POWER BOARD, COMPLETE (EA, AUS)			
*	A-4360-330-A	POWER BOARD, COMPLETE (MY, SP)			
*	A-4360-938-A	POWER BOARD, COMPLETE (CND)			

*	1-533-213-11	HOLDER, FUSE			
*	3-309-144-21	HEAT SINK			
*	3-701-946-23	LABEL (2A125V), FUSE (CND)			
	7-682-547-09	SCREW +BVT 3X6 (S)			
< CAPACITOR >					
C901	1-126-027-11	ELECT	1000uF	20%	25V
C903	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C904	1-126-023-11	ELECT	100uF	20%	16V
C905	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C906	1-163-038-00	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description	Remark		
C951	1-126-027-11	ELECT	1000uF	20%	25V
C954	1-126-025-11	ELECT	330uF	20%	16V
C955	1-124-556-11	ELECT	2200uF	20%	16V
C962	1-126-892-71	ELECT	33uF	20%	100V
C963	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C964	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C965	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C966	1-126-890-11	ELECT	10uF	20%	100V
C967	1-126-890-11	ELECT	10uF	20%	100V
< CONNECTOR >					
* CN902	1-568-828-11	SOCKET, CONNECTOR 9P			
* CN904	1-568-824-11	SOCKET, CONNECTOR 5P			
CN905	1-691-992-11	PIN, CONNECTOR (PC BOARD) 3P			
CN908	1-751-217-21	LEAD (WITH CONNECTOR) (3 CORE) (AEP, UK, E, EA, AUS, JE, MY, SP)			
CN908	1-751-325-21	LEAD (WITH CONNECTOR) (2 CORE) (G, IT)			
< DIODE >					
D901	8-719-210-39	DIODE	EC10QS-04		
D902	8-719-210-39	DIODE	EC10QS-04		
D903	8-719-210-39	DIODE	EC10QS-04		
D904	8-719-210-39	DIODE	EC10QS-04		
D905	8-719-210-39	DIODE	EC10QS-04		
D906	8-719-210-39	DIODE	EC10QS-04		
D908	8-719-210-33	DIODE	EC10DS2		
D909	8-719-210-33	DIODE	EC10DS2		
D910	8-719-022-80	DIODE	UZM-36Z		
D911	8-719-022-80	DIODE	UZM-36Z		
D912	8-719-015-79	DIODE	UZP-22B		
< FUSE >					
△F901	1-532-777-21	FUSE, MICRO (SECONDARY) (1.25A/125V) (CND)			
△F903	1-532-203-00	FUSE, TIME-LAG (T2A/250V) (EXCEPT CND)			
△F903	1-532-743-11	FUSE, GLASS TUBE (2A/125V) (CND)			
△F904	1-532-203-00	FUSE, TIME-LAG (T2A/250V) (EXCEPT CND)			
△F904	1-532-743-11	FUSE, GLASS TUBE (2A/125V) (CND)			
△F951	1-532-777-21	FUSE, MICRO (SECONDARY) (1.25A/125V) (CND)			
< IC >					
IC901	8-759-602-66	IC	M5230L-A		
< IC LINK >					
△ICP901	1-532-840-21	LINK, IC (PRF1250) (1.25A) (EXCEPT CND)			
△ICP951	1-532-840-21	LINK, IC (PRF1250) (1.25A) (EXCEPT CND)			

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

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

POWER**REG**

Ref. No.	Part No.	Description	Remark
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< TRANSISTOR >

Q901	8-729-141-83	TRANSISTOR	2SB1094-LK
Q902	8-729-805-41	TRANSISTOR	2SC3398
Q903	8-729-118-01	TRANSISTOR	2SB1116
Q904	8-729-805-41	TRANSISTOR	2SC3398
Q905	8-729-805-65	TRANSISTOR	2SA1344
Q906	8-729-195-82	TRANSISTOR	2SC2958
Q951	8-729-209-15	TRANSISTOR	2SD2012

< RESISTOR >

R901	1-216-033-00	METAL CHIP	220	5%	1/10W
R902	1-216-295-00	METAL CHIP	0	5%	1/10W
R903	1-216-025-00	METAL CHIP	100	5%	1/10W
R904	1-216-025-00	METAL CHIP	100	5%	1/10W
R905	1-216-080-00	METAL CHIP	20K	5%	1/10W
R906	1-216-063-00	METAL CHIP	3.9K	5%	1/10W
R907	1-216-077-00	METAL CHIP	15K	5%	1/10W
R908	1-216-077-00	METAL CHIP	15K	5%	1/10W
R909	1-216-113-00	METAL CHIP	470K	5%	1/10W
R910	1-216-041-00	METAL CHIP	470	5%	1/10W
R911	1-216-041-00	METAL CHIP	470	5%	1/10W
R912	1-216-073-00	METAL CHIP	10K	5%	1/10W
R913	1-216-097-00	METAL CHIP	100K	5%	1/10W
R916	1-216-089-00	METAL CHIP	47K	5%	1/10W
R917	1-216-073-00	METAL CHIP	10K	5%	1/10W
R918	1-216-049-00	METAL CHIP	1K	5%	1/10W
△R919	9-910-999-33	FUSIBLE	0.22	5%	1/4W F
△R920	9-910-999-33	FUSIBLE	0.22	5%	1/4W F
△R921	1-212-958-00	FUSIBLE	10	5%	1/2W F
R951	1-216-033-00	METAL CHIP	220	5%	1/10W
R952	1-216-295-00	METAL CHIP	0	5%	1/10W

* 1-646-551-11 REG BOARD

< CAPACITOR >

C971	1-126-022-11	ELECT	47uF	20%	16V
C972	1-126-022-11	ELECT	47uF	20%	16V
C973	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C974	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C975	1-163-038-00	CERAMIC CHIP	0.1uF		25V

< DIODE >

D971	8-719-990-39	DIODE	DCB010
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< IC >

IC971	8-759-231-53	IC	TA7805S
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Ref. No.	Part No.	Description	Remark
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MISCELLANEOUS

8	1-696-781-11	WIRE (FLAT TYPE) (13 CORE)
9	1-696-780-11	WIRE (FLAT TYPE) (19 CORE)
14	1-590-031-11	WIRE (FLAT TYPE) (5 CORE)
15	1-590-241-11	WIRE (FLAT TYPE) (9 CORE)
17	1-575-733-11	WIRE (FLAT TYPE) (17 CORE)
22	1-751-216-31	LEAD (WITH CONNECTOR) (2 CORE)
△CN909	1-526-794-11	OUTLET, AC (AC OUTLET) (EXCEPT CND)
△CN909	1-526-882-00	OUTLET, AC (AC OUTLET) (CND)
△T901	1-423-541-11	TRANSFORMER, POWER (AEP, G, IT)
△T901	1-423-542-11	TRANSFORMER, POWER (E, EA, AUS, JE, MY, SP)
△T901	1-423-561-11	TRANSFORMER, POWER (UK)
△T901	1-423-708-11	TRANSFORMER, POWER (CND)

HARDWARE LIST

#1	7-682-547-09	SCREW +BVTT 3X6 (S)
#2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
#3	7-682-547-09	SCREW +BVTT 3X6 (S)
#4	7-621-849-00	SCREW, TAPPING
#5	7-682-548-04	SCREW +BVTT 3X8 (S)

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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