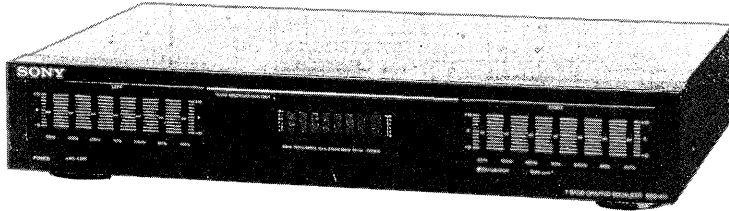


SEQ-411

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model*





SPECIFICATIONS

Inputs	LINE IN: Phono jacks, 245 mV (-10 dBs), 50 kohms TAPE IN: Phono jacks, 245 mV (-10 dBs), 50 kohms
Outputs	LINE OUT: Phono jacks, 245 mV (-10 dBs), Load impedance: more than 10 kohms TAPE REC OUT: Phono jacks, 245 mV (-10 dBs), Load impedance: more than 10 kohms
Graphic equalizer	Boost/cut range: ± 10 dB Center frequencies: 60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.4 kHz, 6 kHz, 14 kHz
Frequency response (with EQUALIZATION on)	LINE IN: 20 Hz to 40 kHz ± 0.5 dB
Harmonic distortion	LINE IN: Less than 0.008% (at 1 kHz, 1 V output)
Signal-to-noise ratio (with EQUALIZATION on)	LINE IN: Better than 100 dB (A network, 1 V output)
Power requirements	U.S.A. model: 120 V AC, 60 Hz U.K. model: 240 V AC, 50/60 Hz Australian model: 240 V AC, 50/60 Hz
Power consumption	5 W
AC outlet	U.S.A. model: 1 unswitched, 120 W max. U.K. model: 1 unswitched, 100 W max.
Dimensions	Approx. 430 x 80 x 265 mm (w/h/d) (17 x 3 ¹ / ₄ x 9 ¹ / ₂ inches)
Weight	Approx. 2.5 kg (5 lb18oz)
Accessories supplied	Audio connecting cord (2)


Design and specifications subject to change without notice.

This appliance conforms with EEC Directive 87/308/EEC regarding interference suppression.

SAFETY-RELATED COMPONENT WARNING!!

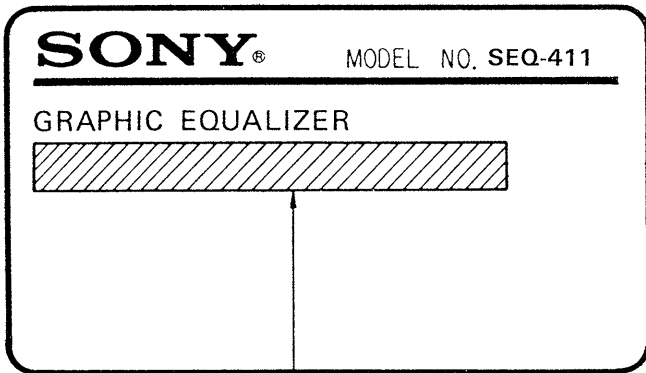
COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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

GRAPHIC EQUALIZER
SONY®

— MODEL IDENTIFICATION —
(Specification Label)



US, Canadian model: AC120V 60Hz 5W
AEP, Germany model: AC220-230V~50/60Hz 5W
UK, Australian model: AC240V~50/60Hz 5W
E model: AC110-120/220-240V~50/60Hz 5W

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

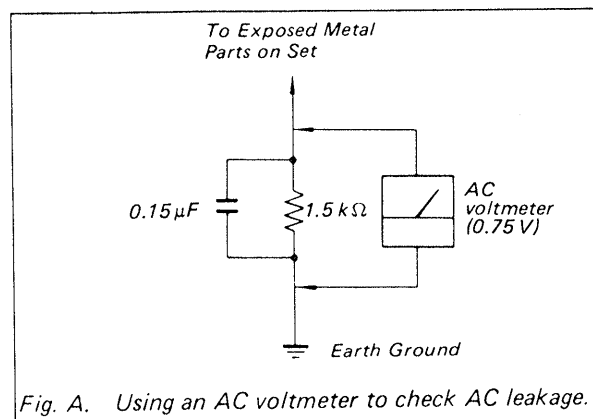


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 1 DIAGRAMS

1-1. SCHEMATIC DIAGRAM

Note on Schematic Diagram:

Note:

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

: nonflammable resistor.

Note:

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

Note:

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

$\text{B}+$: B+ Line

$\text{B}-$: B- Line

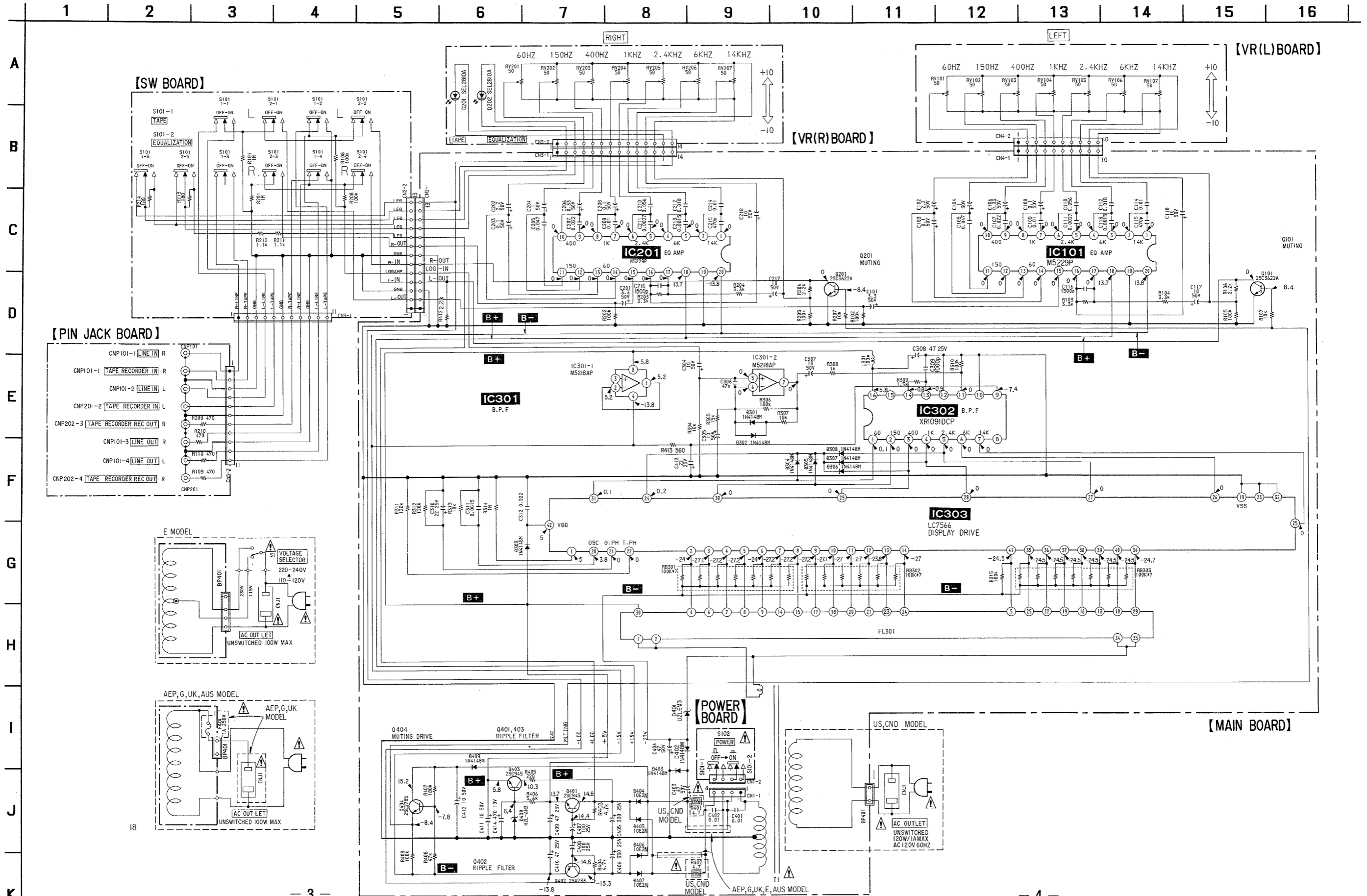
Voltage is dc with respect to ground

Voltages are taken with a VOM (Input Impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.

CND : Canadian

G : Germany

AUS : Australian



CND : Canadian
G : Germany
AUS : Australian

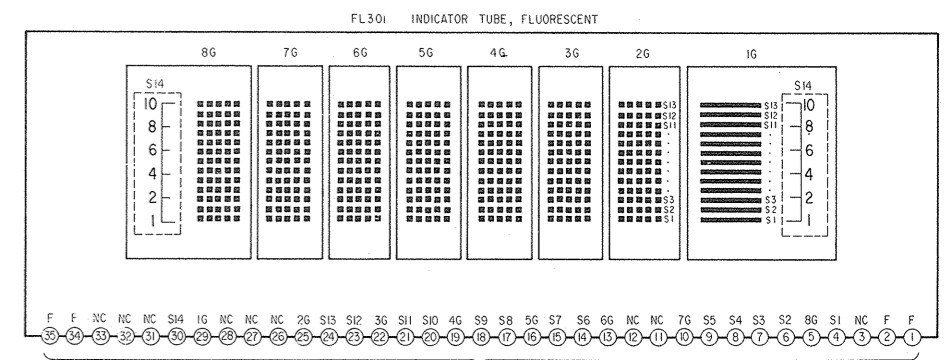
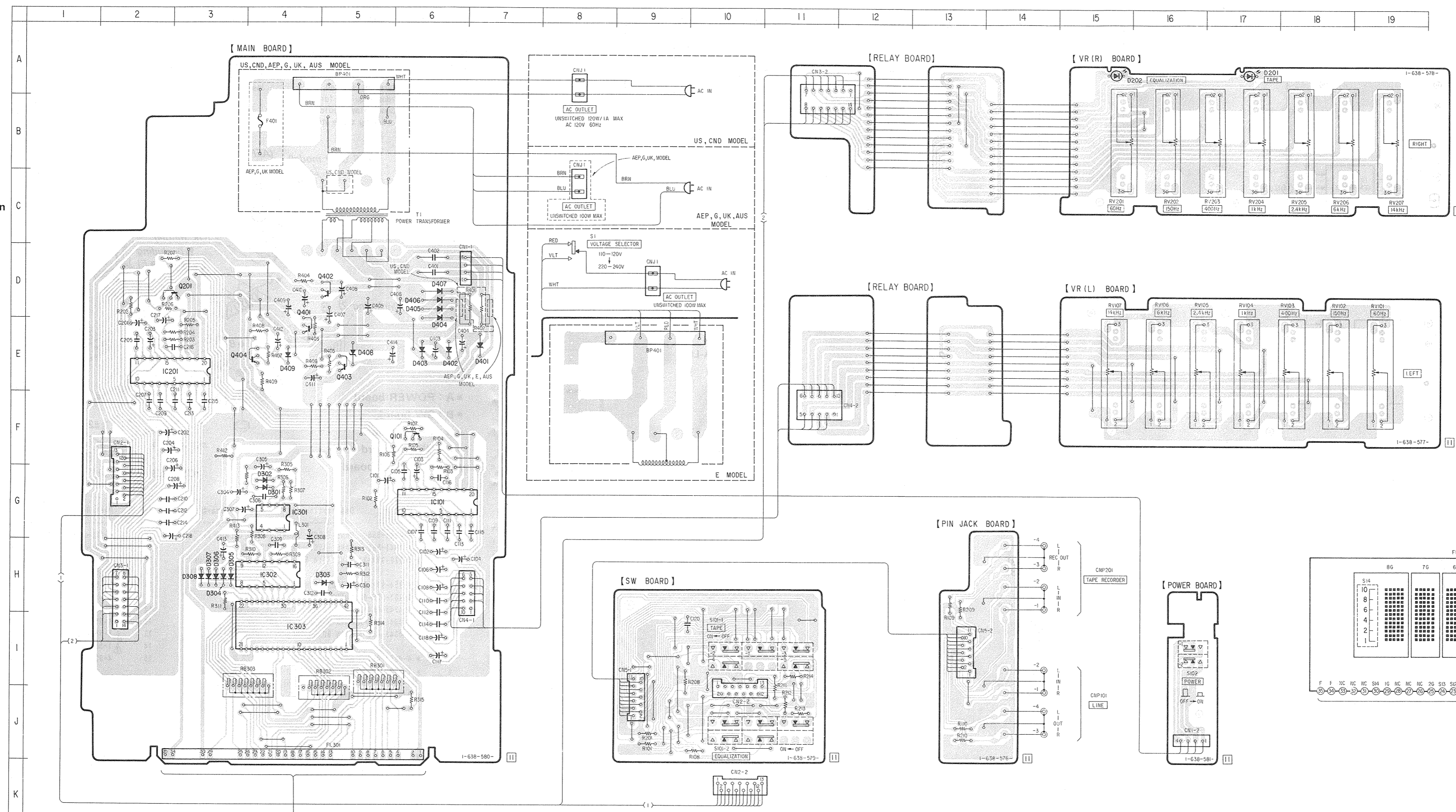
Note on Printed Wiring Board:

Note:
● ○ : parts extracted from the component side.

1-2. PRINTED WIRING BOARDS

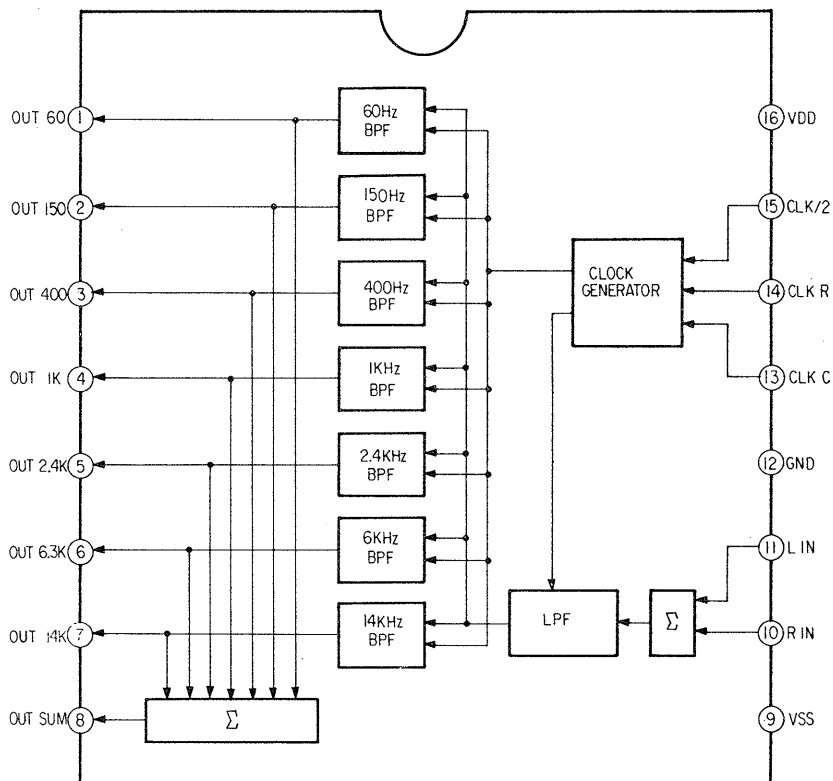
● Semiconductor Location

Ref. No.	Location
D201	A-17
D202	A-15
D301	G-4
D302	G-4
D303	H-5
D304	H-3
D305	H-3
D306	H-3
D307	H-3
D308	H-3
D401	E-7
D402	E-6
D403	E-6
D404	E-6
D405	D-6
D406	D-6
D407	D-6
D408	E-5
D409	E-4
IC101	G-6
IC201	E-3
IC301	G-4
IC302	H-4
IC303	I-4
Q101	F-6
Q201	D-2
Q401	E-4
Q402	D-5
Q403	E-5
Q404	E-4

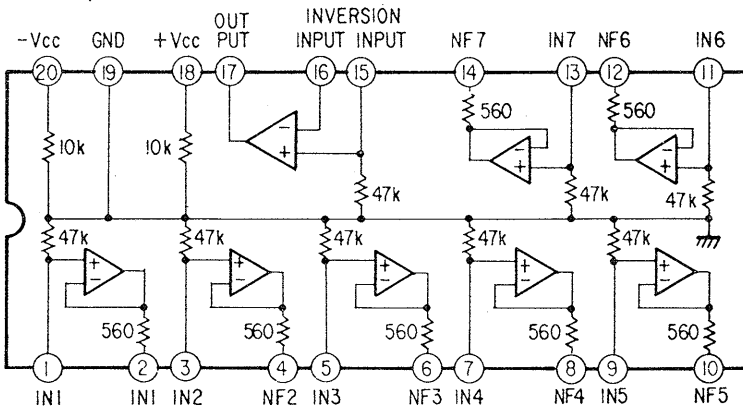


1-3. IC BLOCKDIAGRAMS

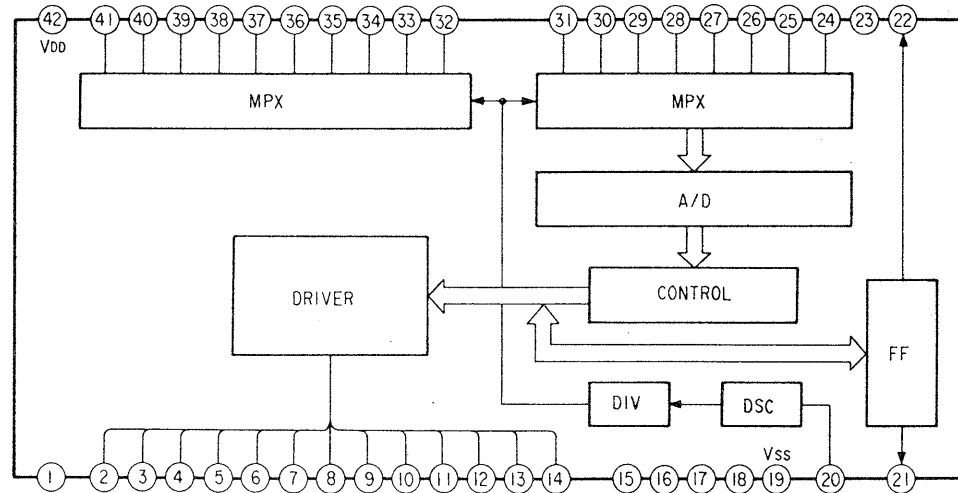
IC302 XR1091DCP



IC101, 201 M5229P

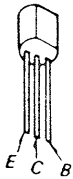


IC303 LC7566

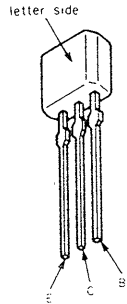


• Semiconductor Lead Layouts

**2SA733-QP
2SC945-P**



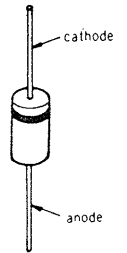
2SC2785-FEK



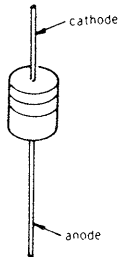
2SC3622A-LK



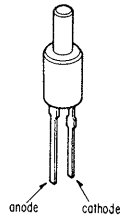
10E2N



**1SS120
HZS6B3L
HZS6C3L**



2LP-444B-51



SECTION 2



EXPLODED VIEWS


NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- 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.

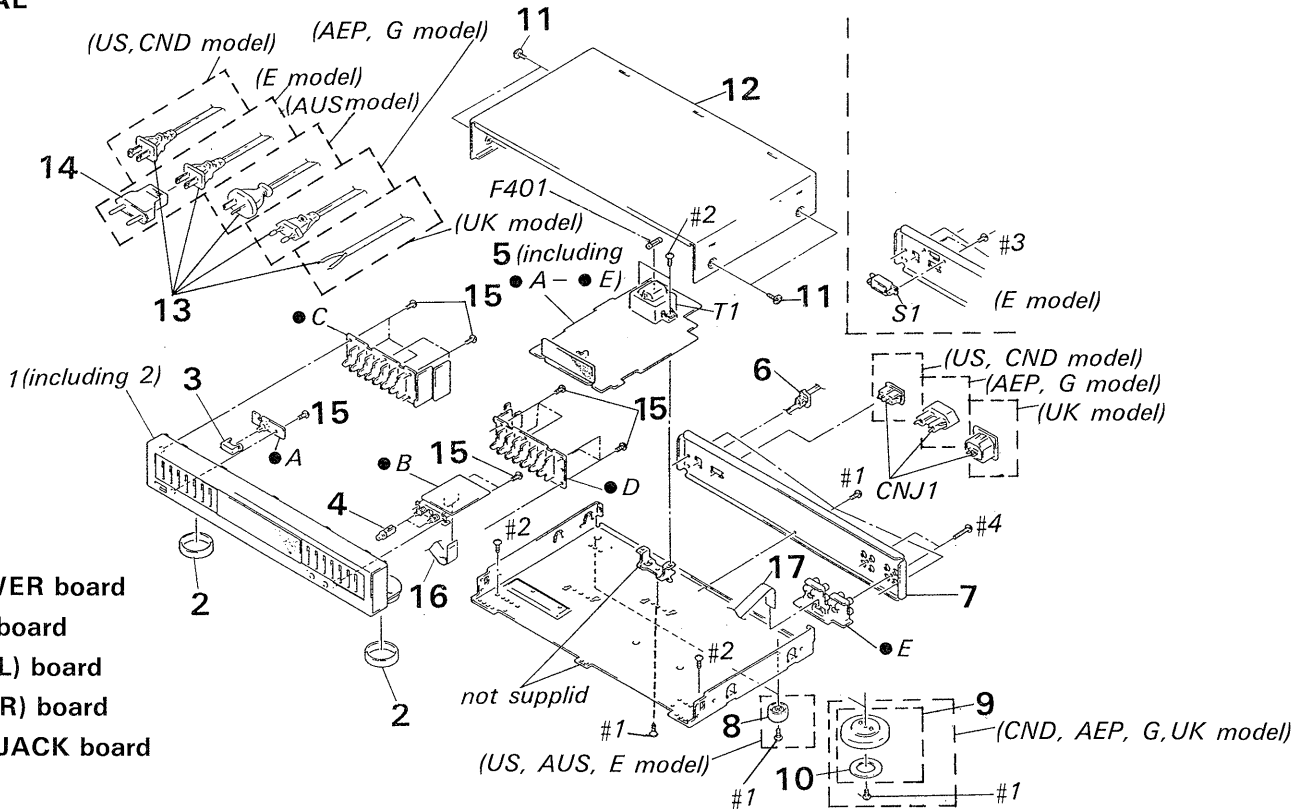
- Color Indication of Appearance Parts
Example:
KNOB, BALANCE(WHITE)...(RED)
↑ ↑
Part's Color Cabinet's Color
- Hardware (#mark) list is given in the last of this parts list.

CND : Canadian
G : Germany
AUS : Australian

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.

2-1. GENERAL



- A : POWER board
- B : SW board
- C : VR (L) board
- D : VR (R) board
- E : PIN JACK board

Ref. No.	Part No.	Description	Remark
1	X-4941-596-1	PANEL ASSY, FRONT (AEP, G, UK, AUS, E)	
1	X-4941-595-1	PANEL ASSY, FRONT (US, CND)	
2	* 4-929-030-11	RING (DIA. 58A), ORNAMENTAL (AEP, G, UK, AUS, E)	
3	3-354-932-01	BUTTON (POWER)	
4	4-931-926-01	BUTTON (B)	
5	* A-4343-064-A	MAIN BOARD, COMPLETE (US, CND)	
5	* A-4343-065-A	MAIN BOARD, COMPLETE (E)	
5	* A-4343-066-A	MAIN BOARD, COMPLETE (AUS)	
5	* A-4343-067-A	MAIN BOARD, COMPLETE (AEP, G, UK)	
6	* 3-703-244-00	BUSHING (2104), CORD (AEP, G, UK, AUS)	
6	3-703-571-11	BUSHING (S) (4516), CORD (US, CND, E)	
7	* 4-944-796-21	PANEL, BACK (G)	
7	* 4-944-796-31	PANEL, BACK (AEP)	
7	* 4-944-796-01	PANEL, BACK (US, CND)	
7	* 4-944-796-11	PANEL, BACK (UK)	
7	* 4-944-796-41	PANEL, BACK (E)	
7	* 4-944-796-51	PANEL, BACK (AUS)	
8	4-927-849-01	FOGT (US, AUS, E)	
9	X-4885-935-1	FOOT ASSY (AEP, G, UK)	
9	X-4911-201-1	FOOT ASSY (CND)	

Ref. No.	Part No.	Description	Remark
10	4-923-836-11	CUSHION (CND, AEP, G, UK)	
11	3-704-366-01	SCREW (CASE) (M3X8)	
12	4-923-457-01	CASE	
13	 1-555-750-00	CORD, POWER (AEP, G)	
13	 1-558-945-11	CORD, POWER (POLAR. SPT-1) (US, CND)	
13	 1-559-912-11	CORD, POWER (AUS)	
13	 1-551-188-XX	CORD, POWER (E)	
13	 1-556-035-00	CORD, POWER (UK)	
14	 1-569-007-11	ADAPTER, CONVERSION 2P (E)	
15	4-928-635-01	SCREW, +BV (2.6X8) TAPPING	
16	1-590-036-11	WIRE, FLAT TYPE (13 CORE)	
17	1-575-666-11	WIRE, FLAT TYPE (11 CORE)	
1-CNJ1	 1-526-794-11	OUTLET, AC (AEP, G)	
1-CNJ1	 1-526-751-00	OUTLET, AC (UK)	
1-CNJ1	 1-526-882-00	OUTLET, AC (US, CND, E)	
1-F401	 1-532-078-00	FUSE, TIME-LAG (T1A/250V) (AEP, G, UK)	
1-S1	 1-570-046-21	SWITCH, VOLTAGE CHANGE (E)	
1-T1	 1-450-589-11	TRANSFORMER, POWER (US, CND)	
1-T1	 1-450-590-11	TRANSFORMER, POWER (AEP, G, UK, AUS)	
1-T1	 1-450-591-11	TRANSFORMER, POWER (E)	

SECTION 3 ELECTRICAL PARTS LIST

SEQ-411

MAIN

PIN JACK

VR (L) / (R)

SW

POWER

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

- **RESISTORS**
All resistors are in ohms
METAL: Metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- **SEMICONDUCTORS**
In each case, u: μ , for example:
uA...: μ A..., uPA...: μ P A...,
uPB...: μ P B..., uPC...: μ P C...,
uPD...: μ P D...
- **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.

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

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

CND : Canadian G : Germany AUS : Australian

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	* A-4343-067-A	MAIN BOARD, COMPLETE ***** PIN JACK BOARD VR (L) BOARD VR (R) BOARD SW BOARD POWER BOARD		C115	1-102-114-00	CERAMIC 470PF 10% 50V	
	1-533-233-11	HOLDER, FUSE (AEP, G, UK)		C116	1-102-119-00	CERAMIC 1500PF 10% 50V	
	1-535-416-00	TERMINAL (AEP, G, UK)		C117	1-124-907-11	ELECT 10uF 20% 50V	
	* 1-573-025-11	PIN, CONNECTOR (PC BOARD) 10P		C118	1-124-907-11	ELECT 10uF 20% 50V	
	* 1-573-027-11	SOCKET, CONNECTOR (PC BOARD) 10P		C201	1-123-382-00	ELECT 3.3uF 20% 100V	
	* 1-573-189-11	SOCKET, CONNECTOR (PC BOARD) 14P		C202	1-124-257-00	ELECT 2.2uF 20% 50V	
	* 1-573-190-11	PIN, CONNECTOR (PC BOARD) 14P		C203	1-124-463-00	ELECT 0.1uF 20% 50V	
		< BASE POST >		C204	1-126-301-11	ELECT 1uF 20% 50V	
BP401	1-535-139-00	BASE POST 22MM (10MM PITCH) 2P (US, CND AEP, G, UK, AUS)		C205	1-136-161-00	FILM 0.047uF 5% 50V	
BP401	1-535-141-00	BASE POST 22MM (10MM PITCH) 4P (E)		C206	1-124-252-00	ELECT 0.33uF 20% 50V	
		< CAPACITOR >		C207	1-136-157-00	FILM 0.022uF 5% 50V	
C101	1-123-382-00	ELECT 3.3uF 20% 100V		C208	1-124-463-00	ELECT 0.1uF 20% 50V	
C102	1-124-257-00	ELECT 2.2uF 20% 50V		C209	1-136-153-00	FILM 0.01uF 5% 50V	
C103	1-124-463-00	ELECT 0.1uF 20% 50V		C210	1-161-060-00	CERAMIC 0.056uF 10% 25V	
C104	1-126-301-11	ELECT 1uF 20% 50V		C211	1-130-476-00	MYLAR 0.0027uF 5% 50V	
C105	1-136-161-00	FILM 0.047uF 5% 50V		C212	1-136-156-00	FILM 0.018uF 5% 50V	
C106	1-124-252-00	ELECT 0.33uF 20% 50V		C213	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C107	1-136-157-00	FILM 0.022uF 5% 50V		C214	1-136-153-00	FILM 0.01uF 5% 50V	
C108	1-124-463-00	ELECT 0.1uF 20% 50V		C215	1-102-114-00	CERAMIC 470PF 10% 50V	
C109	1-136-153-00	FILM 0.01uF 5% 50V		C216	1-102-119-00	CERAMIC 1500PF 10% 50V	
C110	1-161-060-00	CERAMIC 0.056uF 10% 25V		C217	1-124-907-11	ELECT 10uF 20% 50V	
C111	1-130-476-00	MYLAR 0.0027uF 5% 50V		C218	1-124-907-11	ELECT 10uF 20% 50V	
C112	1-136-156-00	FILM 0.018uF 5% 50V		C304	1-124-907-11	ELECT 10uF 20% 50V	
C113	1-130-473-00	MYLAR 0.0015uF 5% 50V		C305	1-124-907-11	ELECT 10uF 20% 50V	
C114	1-136-153-00	FILM 0.01uF 5% 50V		C306	1-162-215-31	CERAMIC 47PF 5% 50V	
				C307	1-124-907-11	ELECT 10uF 20 50V	
				C308	1-124-477-11	ELECT 47uF 20% 25V	
				C309	1-102-074-00	CERAMIC 0.001uF 10% 50V	
				C310	1-126-233-11	ELECT 22uF 20% 50V	
				C311	1-102-119-00	CERAMIC 1500PF 10% 50V	
				C312	1-161-055-00	CERAMIC 0.022uF 10% 50V	
				C401	1-161-379-00	CERAMIC 0.01uF 20% 25V	
				C402	1-161-379-00	CERAMIC 0.01uF 20% 25V	
				C403	1-124-910-11	ELECT 47uF 20% 50V	

MAIN

PIN JACK

VR (L) / (R)

SW

POWER

Ref. No.	Part No.	Description	Remark
C404	1-124-910-11	ELECT 47uF 20% 50V	
C405	1-124-479-11	ELECT 330uF 20% 25V	
C406	1-124-479-11	ELECT 330uF 20% 25V	
C407	1-124-478-11	ELECT 100uF 20% 25V	
C408	1-124-478-11	ELECT 100uF 20% 25V	
C409	1-124-477-11	ELECT 47uF 20% 25V	
C410	1-124-477-11	ELECT 47uF 20% 25V	
C411	1-124-907-11	ELECT 10uF 20% 50V	
C412	1-124-907-11	ELECT 10uF 20% 50V	
C413	1-126-233-11	ELECT 22uF 20% 50V	
C414	1-124-472-11	ELECT 470uF 20% 10V	

< CONNECTOR >

CN1-1	* 1-564-507-11	PLUG, CONNECTOR 4P
CN2-1	* 1-568-832-11	SOCKET, CONNECTOR 13P
CN2-2	* 1-568-832-11	SOCKET, CONNECTOR 13P
CN5-1	* 1-568-830-11	SOCKET, CONNECTOR 11P
CN5-2	* 1-568-830-11	SOCKET, CONNECTOR 11P

CNP101	1-565-258-11	JACK, PIN 4P (LINE)
CNP201	1-565-258-11	JACK, PIN 4P (TAPE RECORDER)

< DIODE >

D201	8-719-989-15	LED SLP-444B-51 (TAPE)
D202	8-719-989-15	LED SLP-444B-51 (EQUALIZATION)
D301	8-719-912-20	DIODE 1SS120
D302	8-719-912-20	DIODE 1SS120
D303	8-719-912-20	DIODE 1SS120
D304	8-719-912-20	DIODE 1SS120
D305	8-719-912-20	DIODE 1SS120
D306	8-719-912-20	DIODE 1SS120
D307	8-719-912-20	DIODE 1SS120
D308	8-719-912-20	DIODE 1SS120
D401	8-719-933-38	DIODE HZS6B3L
D402	8-719-912-20	DIODE 1SS120
D403	8-719-912-20	DIODE 1SS120
D404	8-719-200-77	DIODE 10E2N
D405	8-719-200-77	DIODE 10E2N
D406	8-719-200-77	DIODE 10E2N
D407	8-719-200-77	DIODE 10E2N
D408	8-719-933-41	DIODE HZS6C3L
D409	8-719-912-20	DIODE 1SS120

< FUSE >

F401	△1-532-078-00	FUSE, TIME-LAG (T1A/250V) (AEP, G, UK)
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< INDICATOR TUBE >

FL301	1-519-494-11	INDICATOR TUBE, FLUORESCENT
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Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
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
		< IC >	
IC101	8-759-603-14	IC M5229P	
IC201	8-759-603-14	IC M5229P	
IC301	8-759-634-51	IC M5218AP	
IC302	8-759-991-11	IC XR1091DCP	
IC303	8-759-820-07	IC LC7566	
		< COIL >	
L301	1-410-521-11	INDUCTOR 100uH	
		< TRANSISTOR >	
Q101	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q201	8-729-141-26	TRANSISTOR 2SC3622A-LK	
Q401	8-729-194-57	TRANSISTOR 2SC945-P	
Q402	8-729-141-03	TRANSISTOR 2SA733-QP	
Q403	8-729-194-57	TRANSISTOR 2SC945-P	
Q404	8-729-119-79	TRANSISTOR 2SC2785-FEK	
		< RESISTOR >	
R101	1-247-903-00	CARBON 1M 5% 1/4W	
R102	1-249-441-11	CARBON 100K 5% 1/4W	
R103	1-249-423-11	CARBON 3.3K 5% 1/4W	
R104	1-249-423-11	CARBON 3.3K 5% 1/4W	
R105	1-249-441-11	CARBON 100K 5% 1/4W	
R106	1-249-421-11	CARBON 2.2K 5% 1/4W	
R107	1-249-429-11	CARBON 10K 5% 1/4W	
R108	1-249-441-11	CARBON 100K 5% 1/4W	
R109	1-249-413-11	CARBON 470 5% 1/4W	
R110	1-249-413-11	CARBON 470 5% 1/4W	
R201	1-247-903-00	CARBON 1M 5% 1/4W	
R202	1-249-441-11	CARBON 100K 5% 1/4W	
R203	1-249-423-11	CARBON 3.3K 5% 1/4W	
R204	1-249-423-11	CARBON 3.3K 5% 1/4W	
R205	1-249-441-11	CARBON 100K 5% 1/4W	
R206	1-249-421-11	CARBON 2.2K 5% 1/4W	
R207	1-249-429-11	CARBON 10K 5% 1/4W	
R208	1-249-441-11	CARBON 100K 5% 1/4W	
R209	1-249-413-11	CARBON 470 5% 1/4W	
R210	1-249-413-11	CARBON 470 5% 1/4W	
R211	1-247-832-11	CARBON 1.1K 5% 1/4W	
R212	1-247-832-11	CARBON 1.1K 5% 1/4W	
R213	1-249-408-11	CARBON 180 5% 1/4W	
R214	1-249-408-11	CARBON 180 5% 1/4W	
R304	1-249-429-11	CARBON 10K 5% 1/4W	
R305	1-249-431-11	CARBON 15K 5% 1/4W	
R306	1-247-885-00	CARBON 180K 5% 1/4W	
R307	1-249-429-11	CARBON 10K 5% 1/4W	
R308	1-249-417-11	CARBON 1K 5% 1/4W	
R309	1-249-419-11	CARBON 1.5K 5% 1/4W	

MAIN **PIN JACK** **VR (L) / (R)** **SW** **POWER**

Ref. No.	Part No.	Description	Remark
R310	1-249-441-11	CARBON	100K 5% 1/4W
R311	1-247-881-00	CARBON	120K 5% 1/4W
R312	1-247-881-00	CARBON	120K 5% 1/4W
R313	1-249-432-11	CARBON	18K 5% 1/4W
R314	1-247-903-00	CARBON	1M 5% 1/4W
R315	1-249-441-11	CARBON	100K 5% 1/4W
R401	△1-249-455-11	CARBON	4.7 5% 1/4W F (US, CND)
R402	△1-249-455-11	CARBON	4.7 5% 1/4W F (US, CND)
R403	1-249-425-11	CARBON	4.7K 5% 1/4W
R404	1-249-425-11	CARBON	4.7K 5% 1/4W
R405	1-249-409-11	CARBON	220 5% 1/4W
R406	1-249-426-11	CARBON	5.6K 5% 1/4W
R407	1-247-885-00	CARBON	180K 5% 1/4W
R408	1-249-437-11	CARBON	47K 5% 1/4W
R409	1-249-441-11	CARBON	100K 5% 1/4W
R412	1-249-421-11	CARBON	2.2K 5% 1/4W
R413	1-249-414-11	CARBON	560 5% 1/4W

< COMPOSITION CIRCUIT >

RB301	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100Kx7)
RB302	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100Kx7)
RB303	1-233-081-11	COMPOSITION CIRCUIT BLOCK (100Kx7)

< VARIABLE RESISTOR >

RV101	1-238-113-21	RES. VAR. SLIDE 50 (60Hz)
RV102	1-238-113-21	RES. VAR. SLIDE 50 (150Hz)
RV103	1-238-113-21	RES. VAR. SLIDE 50 (400Hz)
RV104	1-238-113-21	RES. VAR. SLIDE 50 (1KHz)
RV105	1-238-113-21	RES. VAR. SLIDE 50 (2.4KHz)

RV106	1-238-113-21	RES. VAR. SLIDE 50 (6KHz)
RV107	1-238-113-21	RES. VAR. SLIDE 50 (14KHz)
RV201	1-238-113-21	RES. VAR. SLIDE 50 (60Hz)
RV202	1-238-113-21	RES. VAR. SLIDE 50 (150Hz)
RV203	1-238-113-21	RES. VAR. SLIDE 50 (400Hz)

RV204	1-238-113-21	RES. VAR. SLIDE 50 (1KHz)
RV205	1-238-113-21	RES. VAR. SLIDE 50 (2.4KHz)
RV206	1-238-113-21	RES. VAR. SLIDE 50 (6KHz)
RV207	1-238-113-21	RES. VAR. SLIDE 50 (14KHz)

< SWITCH >

S101	1-572-705-11	SWITCH, PUSH (2 KEY) (TAPE/EQUALIZATION)
S102	△1-554-118-00	SWITCH, PUSH (1 KEY) (POWER)

< TRANSFORMER >

T1	△1-450-589-11	TRANSFORMER, POWER (US, CND)
T1	△1-450-590-11	TRANSFORMER, POWER (AEP, G, UK, AUS)
T1	△1-450-591-11	TRANSFORMER, POWER (E)

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	

13	△1-551-188-XX	CORD, POWER (E)	
13	△1-555-750-00	CORD, POWER (AEP, G)	
13	△1-556-035-00	CORD, POWER (UK)	
13	△1-558-945-11	CORD, POWER (POLAR. SPT-1) (US, CND)	
13	△1-559-912-11	CORD, POWER (AUS)	
14	△1-569-007-11	ADAPTER, CONVERSION 2P (E)	
16	1-590-036-11	WIRE, FLAT TYPE (13 CORE)	
17	1-575-666-11	WIRE, FLAT TYPE (11 CORE)	
1-CN1	△1-526-751-00	OUTLET, AC (UK)	
1-CN1	△1-526-794-11	OUTLET, AC (AEP, G)	
1-CN1	△1-526-882-00	OUTLET, AC (US, CND, E)	
1-F401	△1-532-078-00	FUSE, TIME-LAG (T1A/250V) (AEP, G, UK)	
1-S1	△1-570-046-21	SWITCH, VOLTAGE CHANGE (E)	

ACCESSORY & PACKING MATERIAL

1-558-271-11	CORD, CONNECTION
1-559-533-11	CORD, CONNECTION
3-753-136-11	MANUAL, INSTRUCTION (CND, AEP) (ENGLISH, FRENCH, SPANISH, PORTUGUESE)
3-753-136-21	MANUAL, INSTRUCTION (US, UK, AUS) (ENGLISH)
3-753-136-41	MANUAL, INSTRUCTION (AEP, G) (GERMAN, DUTCH, SWEDISH, ITALIAN)
3-753-136-51	MANUAL, INSTRUCTION (E) (CHINESE)
* 4-910-820-01	CUSHION
* 4-910-823-11	INDIVIDUAL CARTON

HARDWARE LIST

# 1	7-682-548-09	SCREW +BVTT 3X8 (S)
# 2	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S
# 3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S (E)
# 4	7-621-849-00	SCREW, TAPPING

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

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

