

STR-DE225/DE325

SERVICE MANUAL

AEP Model

Canadian Model

STR-DE225/DE325

US Model

E Model

Australian Model

Chinese Model

STR-DE325

UK Model

STR-DE225

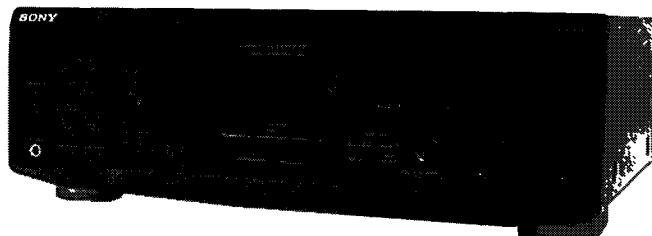


Photo : STR-DE225

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SPECIFICATIONS

Amplifier section

Power output

Stereo mode	(DIN 1 kHz, 4 ohms) STR-DE325: 90 W + 90 W STR-DE225: 40 W + 40 W
Surround mode	(DIN 1 kHz, 4 ohms) Front: STR-DE325: 90W/ch STR-DE225: 40W/ch Centre: STR-DE325: 90W STR-DE225: 40W (only in PRO LOGIC MODE) REAR: STR-DE325: (DIN 1 kHz, 4ohms) 90 W STR-DE225: (DIN 1 kHz, 4ohms) 40 W
5.1/DVD INPUT * mode	Front: 90 W/ch (DIN 1 kHz, 4 ohms) Centre: 90 W (DIN 1 kHz, 4 ohms) Rear: 45 W/ch (DIN 1 kHz, 8 ohms) (except STR-DE225)
Frequency response	PHONO: RIAA(except STR-DE225) equalization curve ±0.5 dB TV / LD, CD, TAPE / MD, VIDEO, 5.1/DVD INPUT*: 10Hz - 50kHz ±1dB

Input	Sensitivity	Impedance	S/N (Weighting network, input level)
PHONO (STR-DE325)	50 2.5mV	50 kilohms	74 dB 72 dB** (A, 2.5 mV)
CD, 5.1/DVD INPUT*	200 mV		
TAPE/MD, TV/LD, VIDEO		50 kilohms	82 dB 82 dB**

Output	***/78IHF
TAPE/MD REC OUT:	
Voltage: 150 mV, Impedance: 10 kilohms	
VIDEO AUDIO OUT:	
Voltage: 150 mV, Impedance: 10 kilohms	
WOOFER/MIX AUDIO OUT: Voltage: 2V Impedance: 10 kilohms	
PHONES: Accepts low and high impedance headphones	

Muting BASS BOOST TONE	Full mute +10dB at 70 Hz ±8dB at 100 Hz and 10 kHz
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FM tuner section

Tuning range	87.5 – 108.0 MHz
Aerial terminals	75 ohms, unbalanced
Sensitivity	Mono: 18.3 dBf, 2.2μV /75 ohms Stereo: 38.3 dBf, 22.5μV /75 ohms
Usable sensitivity	11.2 dBf, 1V /75 ohms (IHF)
S/N	Mono: 76 dB Stereo: 70dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45dB at 1 kHz
Frequency response	30 Hz – 15kHz -2dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	531 – 1602 kHz
Aerial	Loop aerial
Usable sensitivity	50 dB/m (at 999 kHz)
S/N	54 dB(at 50 mV/m)
Harmonic distortion	0.5%(50 mV/m, 400Hz)
Selectivity	35 dB

— Continued on next page —

FM STEREO/FM-AM RECEIVER

SONY®



MICROFILM

TABLE OF CONTENTS

General	
System	Tuner section; PLL quartz-locked digital synthesizer system
Preamplifier section:	Low-noise NF type equalizer
Power amplifier section:	Pure-complementary SEPP
Power requirements	230 V AC, 50/60 Hz
Power consumption	STR-DE325: 195 W STR-DE225: 110 W
AC outlets	Switched 100 W (except for the U.K. model)
Dimensions	430 × 145 × 295 mm
Mass(Aprox.)	STR-DE325: 7.4 kg STR-DE225: 6.1 kg
Supplied accessories	FM wire aerial (1) AM loop aerial (1) Remote controller (remote) (1) Size AA (R6) batteries (2) Scart adaptor (1)
Design and specifications are subject to change without notice. Specifications indicated are measured at 230 VAC, 50 Hz	
SAFETY CHECK-OUT	
After correcting the original service problem, perform the following safety checks 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	
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 2V AC range are suitable. (See Fig. A)	
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.	
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 COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.	

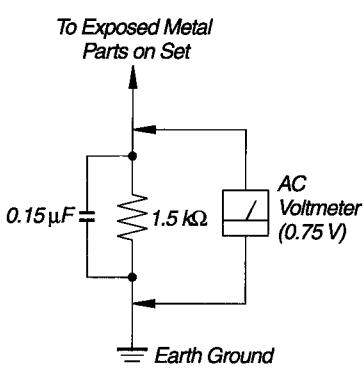
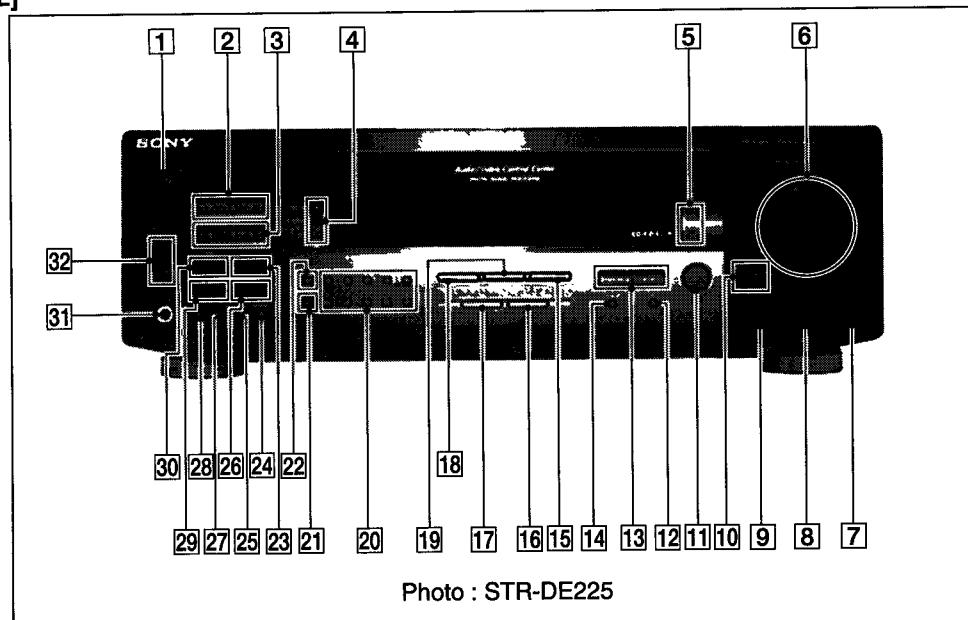


Fig. A. Using an AC voltmeter to check AC leakage.

SECTION 1 GENERAL

CLOCATION AND FUNCTION OF CONTROLS

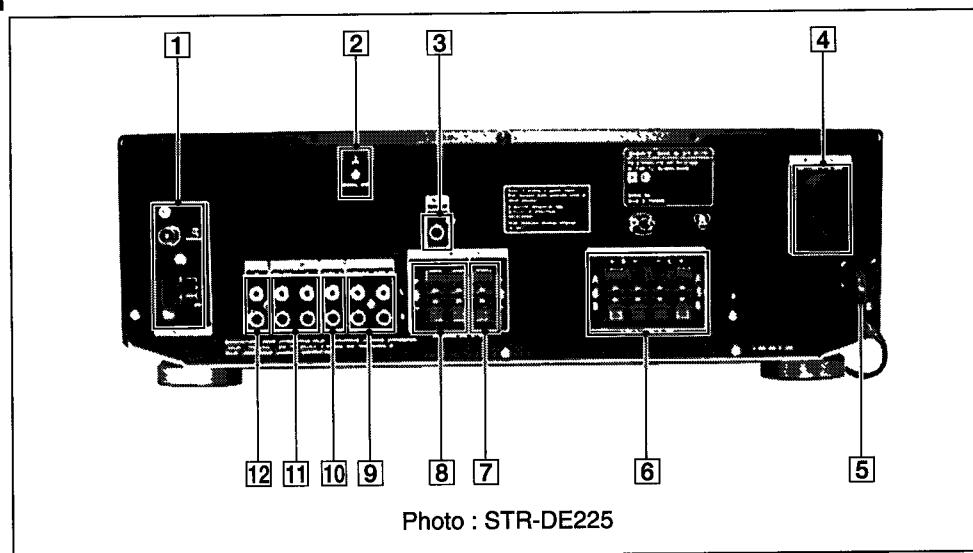
[FRONT PANEL]



- 1** POWER switch (I/O)
- 2** CENTER LEVEL +, - buttons
- 3** REAR LEVEL +, - buttons
- 4** PRO LOGIC, C.STUDIO, HALL indicators
- 5** BASS BOOST indicator
- 6** MASTER VOLUME control
- 7** BALANCE control
- 8** TREBLE control
- 9** BASS control
- 10** MUTING button/indicator
- 11** SURROUND ON/OFF button
- 12** BASS BOOST button
- 13** SURROUND EFFECT/DELAY, MODE buttons
- 14** SET UP button
- 15** TAPE/MD FUNCTION button
- 16** TUNER FUNCTION button

- 17** CD FUNCTION button
- 18** VIDEO FUNCTION button
- 19** TV/LD FUNCTION button
- 20** Numeric buttons
- 21** SHIFT button
- 22** DIRECT TUNING button
- 23** CHARACTER, DISPLAY buttons
- 24** MEMORY button
- 25** FM/AM button
- 26** PRESET/CHARACTER +, - buttons
- 27** FM MODE button
- 28** SLEEP button
- 29** TUNING/PTY SELECT +, - buttons
- 30** RDS PTY, EON buttons
- 31** PHONES jack
- 32** SPEAKERS A, B ON/OFF buttons

[REAR PANEL]



- 1** ANTENNA (FM/AM)
- 2** SIGNAL GND
- 3** MIX AUDIO OUT
- 4** AC OUTLET
- 5** AC power cord
- 6** FRONT SPEAKERS (A/B)

- 7** SURROUND SPEAKERS (CENTER)
- 8** SURROUND SPEAKERS (REAR)
- 9** VIDEO AUDIO IN, AUDIO OUT
- 10** TV/LD AUDIO IN
- 11** TAPE/MD IN, REC OUT
- 12** CD IN

SECTION 2 TEST MODE

INITIALIZATION MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

* Procedure:

While depressing the VIDEO and the TAPE/MD buttons simultaneously, press the power [I/Ø] button to turn on the main power. The message INITIAL appears and initialization is performed.

FLUORESCENT INDICATOR TUBE TEST MODE

* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

* Procedure:

While depressing the TV/LD and the BASS BOOST buttons simultaneously, press the power [I/Ø] button to turn on the main power. All segments turn on at the same time, then each segment turns on one after another. The message FINISH appears when this test is complete.

AUTO-BETICAL CHECK MODE

* To auto-scanning and memorise of RDS station. (RDS model only).

* Procedure:

While depressing the MEMORY button, press the power [I/Ø] button to turn on the main power. The message AUTO BET appears and each function is selected one after another.

AM CHANNEL STEP 9 kHz/10 kHz

SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step. (for US, CND and E models only)

* Procedure:

Set the FUNCTION to AM. Turn off the main power.

While depressing the TUNING+ button, press the power [I/Ø] button to turn on the main power. Either the message 9k STEP or 10k STEP appears. Select the desired step.

REAR SPEAKER GAIN UP MODE

* The rear speaker gain can be set to either NORMAL or GAIN UP.

* Procedure:

While depressing the -SURROUND- MODE button, press the power [I/Ø] button to turn on the main power. Either the message NORMAL or GAIN UP appears. When the product enters this mode again, the other gain appears. Select the desired gain.

SOFTWARE VERSION DISPLAY MODE

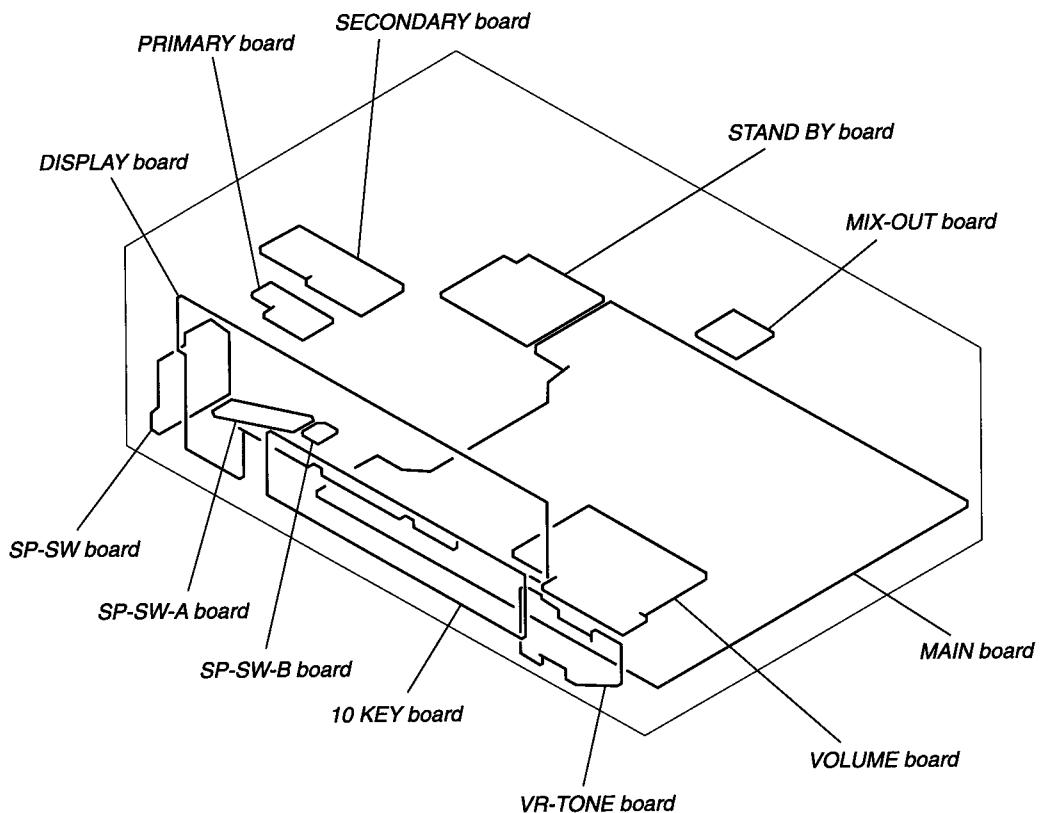
* The software version is displayed.

* Procedure:

While depressing the TUNER and the BASS BOOST buttons simultaneously, press the power [I/Ø] button to turn on the main power. The software version is displayed.

SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



**THIS NOTE IS COMMON FOR PRINTED WIRING
BOARDS AND SCHEMATIC DIAGRAMS.**
**(In addition to this necessary note is printed in each
block.)**

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu F$
50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4W$ or less unless otherwise specified.
- % : indicates tolerance.
- Δ : internal component.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.

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.

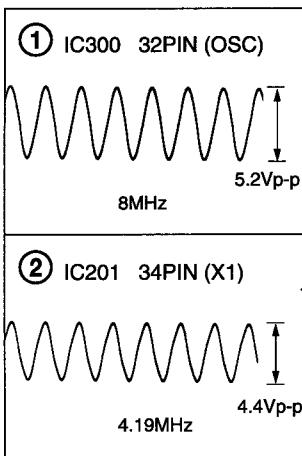
-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
No mark : FM
- Voltages are taken with a VOM (Input impedance $10 M\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
-  : FM
- Abbreviation
 - CND : Canadian
 - EE : East European
 - AUS : Australian
 - CH : Chinese
 - G : German
 - MY : Malaysia
 - SP : Singapore
 - EA : Saudi Arabia

For printed wiring boards.

Note:

-  : parts extracted from the component side.
-  : Through hole.
-  : internal component.
-  : Pattern from the side which enables seeing.

• Waveform



3-11. IC PIN FUNCTION DESCPIRTION

- IC201 μPD78044FGF-112-3B9

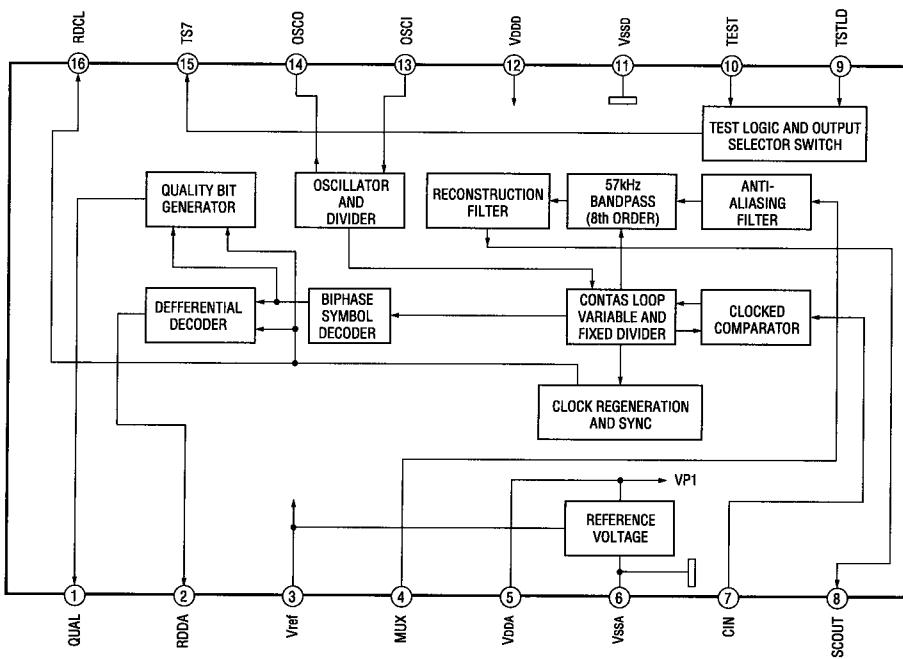
Pin No.	Pin Name	I/O	Description
1	DIG7	O	Fluorescent indicator tube drive.
2	DIG6	O	
3	DIG5	O	
4	DIG4	O	
5	DIG3	O	
6	DIG2	O	
7	DIG1	O	
8	+5V	—	Power supply (+5V).
9	S. CLK	O	System clock.
10	S. DATA	O	System data.
11	PLL. DATA	O	PLL data input from TU001.
12	S. CE (LC7288)	O	Chip enable output.
13	S. CE (LV100)	O	Chip enable output.
14	REAR-R	I	Input for model select.
15	BRIDGE	O	Protector detect output.
16	PROTECT	I	Protector detect input.
17	RESET	I	System reset terminal.
18	AUTO-STOP	I	Auto stop detect input.
19	STEREO-IN	I	Stereo detect input.
20	AVss	—	Ground.
21	SP-RY	O	Speaker relay drive.
22	SURR-RY	O	Surround Relay.
23	POWER-RY	O	Power relay drive.
24	AVss	—	Ground.
25	SIGNAL	I	A/D signal input terminal.
26	A/D3	I	A/D3 key input terminal.
27	A/D2	I	A/D2 key input terminal.
28	A/D1	I	A/D1 key input terminal.
29	AVDD	—	Power supply (+5V).
30	AV. REF	—	Reference voltage (+5V).
31	GND	—	Ground.
32	NC	—	Not used (Open).
33	Vss	—	Ground.
34	X1	I	System clock (4.19MHz).
35	X2	O	System clock (4.19MHz).
36	IC. MUTE	O	Mute drive output for μPD2581V (IC701).
37	PROLOGIC	O	Prologic LED.
38	SIMULATED	O	CINEMA STUDIO LED.
39	HALL	O	HALL LED.
40	T. MUTE	O	Tuner mute drive output.

Pin No.	Pin Name	I/O	Description
41	VOLUME UP	O	Volume up.
42	VOLUME DOWN	O	Volume down.
43	<u>STANDBY</u>	O	Standby LED drive.
44	<u>SYS. POWER</u>	I	System power ON/OFF.
45	RDS. DATA. IN	I	RDS data input.
46	RDS. CLK. IN	I	RDS clock input.
47	<u>STOP</u>	I	Stop signal input from NJM2103D (IC950).
48	Vss	—	Ground.
49	<u>SIRCS</u>	I	Sircs signal input.
50	<u>POWER SW</u>	I	Power switch input terminal.
51	5.1ch LED	—	5.1ch LED drive.
52	+5V	—	Power supply (+5V).
53	BASS BOOST	O	Bass boost LED drive.
54	FUNC. MUTE	O	Line mute drive.
55	SL MUTE	O	SL mute drive.
56	VERSION	I	Input for model select.
57	K14	I	Key in 4.
58	K13	I	Key in 3.
59	K12	I	Key in 2.
60	K11	I	Key in 1.
61	SR MUTE	O	SR mute drive.
62	S15	O	Key out 15.
63	S14	O	Key out 14.
64	S13	O	Key out 13.
65	S12	O	Key out 12.
66	S11	O	Key out 11.
67	S10	O	Key out 10.
68	S9	O	Key out 9.
69	S8	O	Key out 8.
70	S7	O	Key out 7.
71	VLOAD	—	Connect to -24V.
72	S6	O	Key out 6.
73	S5	O	Key out 5.
74	S4	O	Key out 4.
75	S3	O	Key out 3.
76	S2	O	Key out 2.
77	S1	O	Key out 1.
78	DIG10	O	Fluorescent indicator tube drive.
79	DIG9	O	
80	DIG8	O	

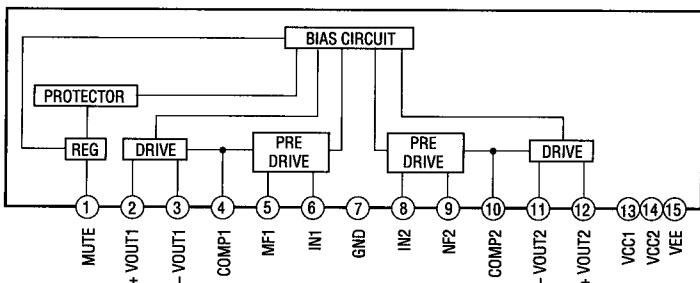
3-12. IC BLOCK DIAGRAMS

• IC BLOCK DIAGRAMS

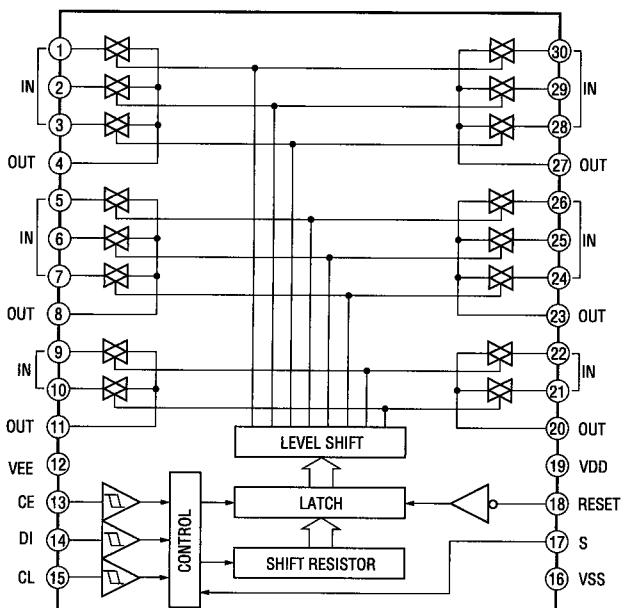
IC1 BU1922



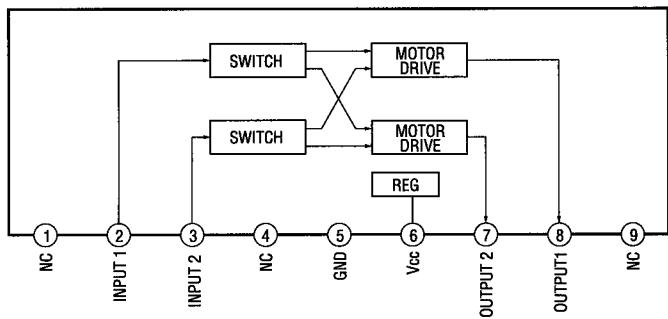
IC701 uPC2581V



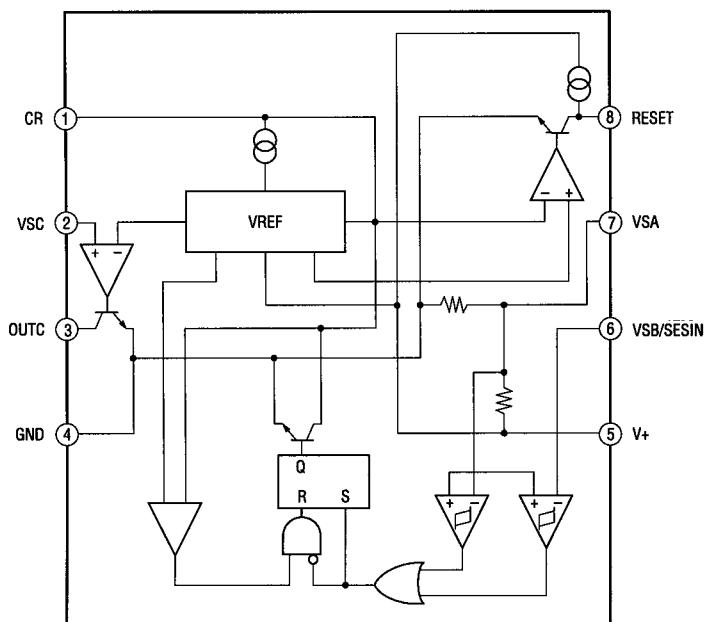
IC401, IC500 LC7822



IC202 BA6208



IC950 NJM2103D



SECTION 4 EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

Abbreviation

CND : Canadian	G : German
EE : East European	MY : Malaysia
AUS : Australian	SP : Singapore
CH : Chinese	EA : Saudi Arabia

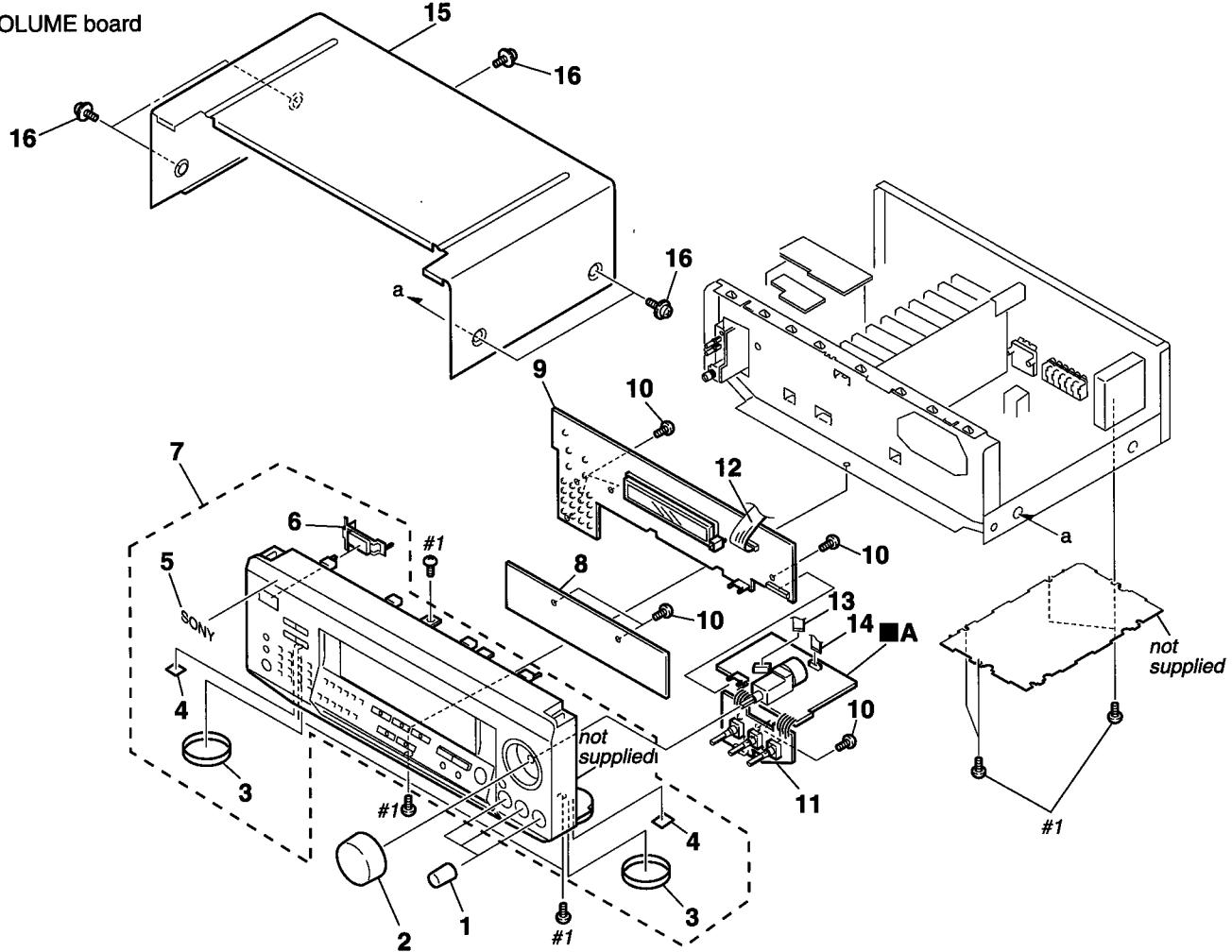
When indicating parts by reference number, please include the board name.

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.

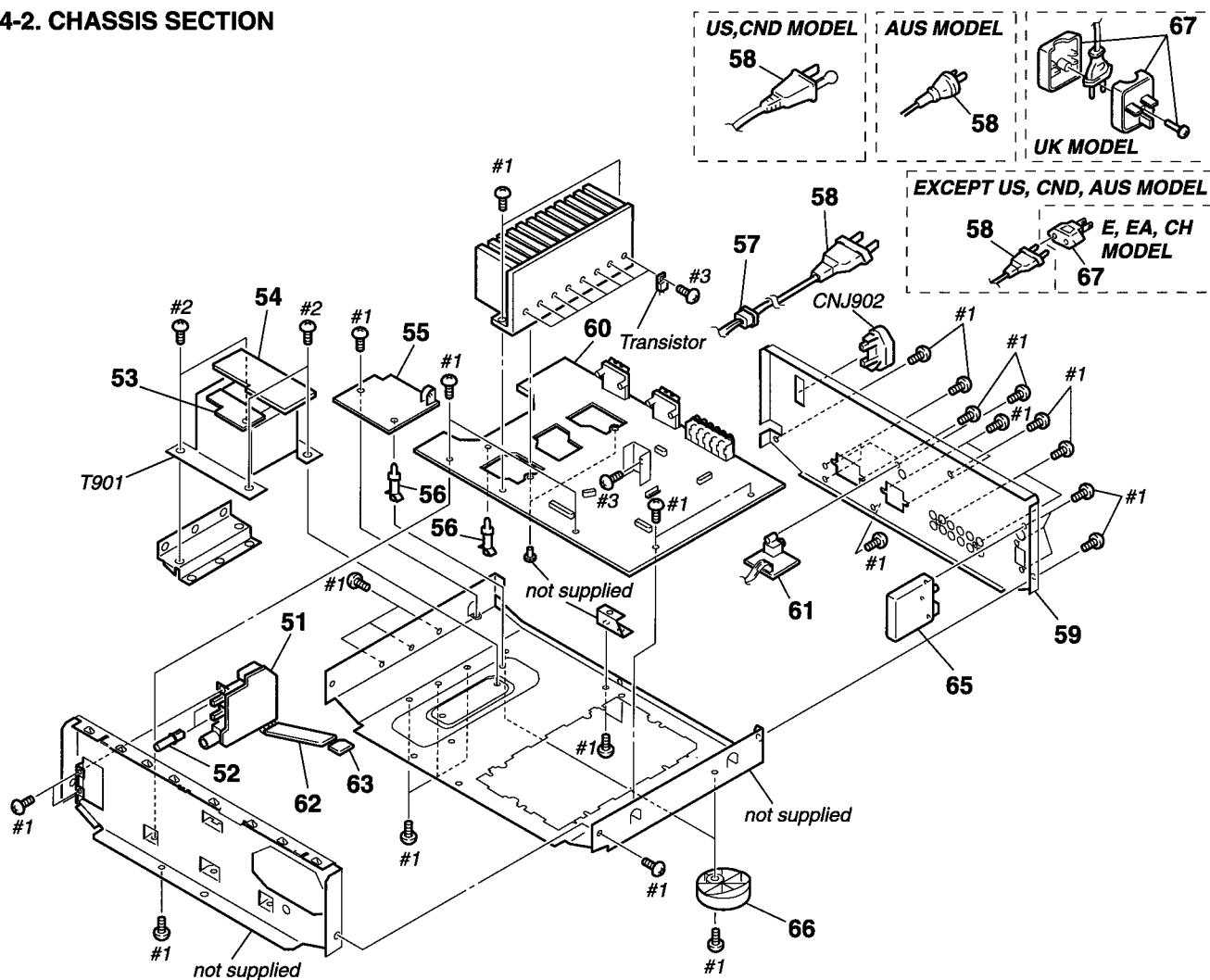
4-1. FRONT PANEL SECTION

■A : VOLUME board



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	4-998-717-01	KNOB (BAL)		* 9	A-4407-510-A	DISPLAY BOARD, COMPLETE	
2	X-4949-627-1	KNOB (VOL) ASSY					(DE225:AEP,G,EE,UK)
3	4-977-593-11	RING (DIA. 50), ORNAMENTAL	(EXCEPT US,CND)	* 9	A-4407-515-A	DISPLAY BOARD, COMPLETE (DE325:AUS)	
4	4-977-358-11	CUSHION		* 9	A-4407-518-A	DISPLAY BOARD, COMPLETE (DE325:E,EA,CH)	
5	4-996-698-01	EMBLEM, SONY		* 9	A-4407-521-A	DISPLAY BOARD, COMPLETE (DE325:AEP,G,EE)	
6	4-998-189-01	BUTTON (P-T)		10	4-951-620-01	SCREW (2.6 x 8), +BVTP	
7	X-4949-628-1	FRONT PANEL ASSY (DE325:US,CND)		* 11	A-4407-436-A	VR-TONE BOARD, COMPLETE	
7	X-4949-629-1	FRONT PANEL ASSY (DE225:CND)					(DE225:CND/DE325:EXCEPT AEP,G,EE)
7	X-4949-679-1	FRONT PANEL ASSY (DE325:AUS)		* 11	A-4407-523-A	VR-TONE BOARD, COMPLETE	
7	X-4949-680-1	FRONT PANEL ASSY (DE325:E,EA,CH,SP,MY)		12	1-782-084-11	WIRE (FLAT TYPE) (23 CORE)	
7	X-4949-681-1	FRONT PANEL ASSY (DE325:AEP,G,EE)		13	1-782-074-11	WIRE (FLAT TYPE) (7 CORE)	
7	X-4949-682-1	FRONT PANEL ASSY (DE225:AEP,G,EE,UK)		14	1-782-075-11	WIRE (FLAT TYPE) (9 CORE)	
* 8	1-669-263-11	10 KEY BOARD		* 15	4-998-206-21	CASE (413226)	
* 9	A-4407-424-A	DISPLAY BOARD, COMPLETE (DE325:SP,MY)		16	3-710-901-11	SCREW, TAPPING	
* 9	A-4407-434-A	DISPLAY BOARD, COMPLETE (DE225:CND/DE325:US,CND)					

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
* 51	1-669-270-11	SP-SW BOARD		* 60	A-4407-529-A	MAIN BOARD,COMPLETE (DE325:AEP,G,EE)	
52	4-951-801-03	BUTTON (S)		* 61	1-669-273-11	MIX-OUT BOARD	
* 53	1-669-267-11	PRIMARY BOARD		* 62	1-669-271-11	SP-SW-A BOARD	
* 54	1-669-268-11	SECONDARY BOARD		* 63	1-669-272-11	SP-SW-B BOARD	
* 55	1-669-266-11	STAND BY BOARD		* 64	1-669-269-11	VOL-SEL BOARD (DE325:E,EA,CH)	
* 56	4-954-051-51	HOLDER, PC BOARD		65	1-693-407-51	TUNER (US,CND)	
* 57	3-703-244-21	BUSHING (2104), CORD		65	1-693-408-31	TUNER (EXCEPT US,CND,EE)	
△ 58	1-777-071-21	CORD, POWER (EXCEPT US,CND,AUS)		65	1-693-411-31	TUNER (EE)	
△ 58	1-696-847-21	CORD, POWER (AUS)		66	X-4947-207-2	FOOT ASSY (F50150S) (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND)	
△ 58	1-783-204-11	CORD, POWER (US,CND)		66	X-4947-208-2	FOOT ASSY (F50150S) (DE225:CND/DE325:US,CND)	
* 59	4-998-208-11	BACK PANEL (E2) (DE225:CND)		△ 67	1-569-008-21	ADAPTOR, CONVERSION 2P (E,EA,CH)	
* 59	4-998-208-21	BACK PANEL (E2) (DE225:AEP,G,EE,UK)		△ 67	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
* 59	4-998-209-01	BACK PANEL (E3) (DE325:US)		△ CNJ902	1-251-416-11	OUTLET, A.C.(AUS)	
* 59	4-998-209-11	BACK PANEL (E3) (DE325:CND)		△ CNJ902	1-526-794-11	OUTLET, AC (AEP,G,EE,SP,MY)	
* 59	4-998-209-41	BACK PANEL (E3) (DE325:CH)		△ T901	1-431-264-11	TRANSFORMER, POWER (DE325:CND)	
* 59	4-998-209-21	BACK PANEL (E3) (DE325:AUS)		△ T901	1-431-793-11	TRANSFORMER, POWER (DE325:US)	
* 59	4-998-209-31	BACK PANEL (E3) (DE325:SP,MY)		△ T901	1-431-794-11	TRANSFORMER, POWER (DE325:E,EA,CH)	
* 59	4-998-209-51	BACK PANEL (E3) (DE325:E,EA)		△ T901	1-431-795-11	TRANSFORMER, POWER (DE325:SP,MY)	
* 59	4-998-209-61	BACK PANEL (E3) (DE325:AEP,G)		△ T901	1-431-796-11	TRANSFORMER, POWER (DE325:AEP,G,EE)	
* 59	4-998-209-71	BACK PANEL (E3) (DE325:EE)		△ T901	1-431-798-11	TRANSFORMER, POWER (DE225:AEP,G,EE,UK)	
* 60	A-4407-425-A	MAIN BOARD,COMPLETE (DE225:CND)		△ T901	1-431-799-11	TRANSFORMER, POWER (DE225:CND)	
* 60	A-4407-448-A	MAIN BOARD,COMPLETE (DE325:US)		△ T901	1-431-818-11	TRANSFORMER, POWER (DE325:AUS)	
* 60	A-4407-512-A	MAIN BOARD,COMPLETE (DE225:AEP,G,EE,UK)					
* 60	A-4407-514-A	MAIN BOARD,COMPLETE (DE325:CND)					
* 60	A-4407-517-A	MAIN BOARD,COMPLETE (DE325:E,EA,CH,AUS,SP,MY)					

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.

SECTION 5

ELECTRICAL PARTS LIST

DISPLAY

NOTE:

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

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.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...
- Abbreviation

CND : Canadian	G : German
EE : East European	MY : Malaysia
AUS : Australian	SP : Singapore
CH : Chinese	EA : Saudi Arabia

Ref. No.	Part No.	Description	Remarks		Ref. No.	Part No.	Description	Remarks		
*	A-4407-424-A	DISPLAY BOARD,COMPLETE (DE325:SP,MY)	D222	8-719-911-19	DIODE	1SS119 (DE325:E,EA,CH,AUS,SP,MY)				
		*****	D223	8-719-991-33	DIODE	1SS133T-77 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)				
*	A-4407-434-A	DISPLAY BOARD,COMPLETE (DE225:CND/DE325:US,CND)	D223	8-719-911-19	DIODE	1SS119 (DE325:AUS)	D225	8-719-991-33	DIODE 1SS133T-77 (DE225:AEP,G,EE,UK)	
*	A-4407-510-A	DISPLAY BOARD,COMPLETE (DE225:AEP,G,EE,UK)	D231	8-719-911-19	DIODE	1SS119				
*	A-4407-515-A	DISPLAY BOARD,COMPLETE (DE325:AUS)	D235	8-719-046-39	DIODE	SEL5821A-TH15 (HALL)	D236	8-719-046-39	DIODE SEL5821A-TH15 (C.STUDIO)	
*	A-4407-518-A	DISPLAY BOARD,COMPLETE (DE325:E,EA,CH)	D237	8-719-046-39	DIODE	SEL5821A-TH15 (PRO LOGIC)	D239	8-719-046-39	DIODE SEL5821A-TH15 (BASS BOOST)	
*	A-4407-521-A	DISPLAY BOARD,COMPLETE (DE325:AEP,G,EE)				< FLUORESCENT >				
*	4-921-941-01	CUSHION (FL)	FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT					
*	4-943-107-11	HOLDER (FL TUBE)				< IC >				
		< CAPACITOR >								
C201	1-104-905-11	CAPACITOR	0.22F	5.5V	IC201	8-759-526-68	IC uPD78044FGF-112-3B9			
C202	1-164-159-11	CERAMIC	0.1uF	50V	IC202	8-759-962-08	IC BA6208			
C203	1-124-465-00	ELECT	0.47uF	20%	IC203	8-759-332-18	IC GP1U27XB			
C204	1-164-159-11	CERAMIC	0.1uF	50V			< COIL >			
C205	1-162-294-31	CERAMIC	0.001uF	10%	50V	L401	1-410-509-11	INDUCTOR 10uH		
C206	1-164-159-11	CERAMIC	0.1uF	50V			< TRANSISTOR >			
C207	1-126-096-11	ELECT	10uF	20%	35V	Q201	8-729-900-63	TRANSISTOR DTA124ES		
C208	1-126-096-11	ELECT	10uF	20%	35V	Q202	8-729-900-36	TRANSISTOR DTC124ES		
		< CONNECTOR >				Q231	8-729-900-36	TRANSISTOR DTC124ES		
CNP205	1-779-366-11	CONNECTOR, BOARD TO BOARD 4P								
CNS201	1-568-742-11	SOCKET, CONNECTOR 23P								
CNS202	1-770-400-11	HOUSING, CONNECTOR(PC BOARD)7P								
		< DIODE >								
D201	8-719-911-19	DIODE	1SS119		R200	1-249-433-11	CARBON 22K	5%	1/4W	
D202	8-719-911-19	DIODE	1SS119		R201	1-247-903-00	CARBON 1M	5%	1/4W	
D203	8-719-911-19	DIODE	1SS119		R202	1-249-429-11	CARBON 10K	5%	1/4W	
D204	8-719-911-19	DIODE	1SS119		R203	1-249-429-11	CARBON 10K	5%	1/4W	
D211	8-719-911-19	DIODE	1SS119		R204	1-249-425-11	CARBON 4.7K	5%	1/4W F	
D212	8-719-911-19	DIODE	1SS119		R205	1-249-441-11	CARBON 100K	5%	1/4W	
D213	8-719-991-33	DIODE	1SS133T-77 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)		R207	1-249-429-11	CARBON 10K	5%	1/4W	
D214	8-719-991-33	DIODE	1SS133T-77 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)		R211	1-249-433-11	CARBON 22K	5%	1/4W	
D215	8-719-911-19	DIODE	1SS119		R212	1-249-433-11	CARBON 22K	5%	1/4W	
D216	8-719-911-19	DIODE	1SS119		R216	1-249-433-11	CARBON 22K	5%	1/4W	
D217	8-719-911-19	DIODE	1SS119		R221	1-247-807-31	CARBON 100	5%	1/4W	
D218	8-719-911-19	DIODE	1SS119		R222	1-247-807-31	CARBON 100	5%	1/4W	
D221	8-719-991-33	DIODE	1SS133T-77 (DE325:EE)		R223	1-247-807-31	CARBON 100	5%	1/4W	
D221	8-719-911-19	DIODE	1SS119 (DE325:SP,MY)		R224	1-247-807-31	CARBON 100	5%	1/4W	
D221	8-719-911-19	DIODE	1SS119 (DE325:SP,MY)		R225	1-247-807-31	CARBON 100	5%	1/4W	
					R226	1-249-441-11	CARBON 100K	5%	1/4W	
					R227	1-249-441-11	CARBON 100K	5%	1/4W	
					R228	1-249-406-11	CARBON 120	5%	1/4W F	
					R230	1-249-406-11	CARBON 120	5%	1/4W F	
					R231	1-249-427-11	CARBON 6.8K	5%	1/4W F	

DISPLAY | **MAIN**

Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
C9	1-126-960-11	ELECT	1uF	20%	50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	C402	1-126-962-11	ELECT	3.3uF	20%	50V (DE325:AEP,G,EE)
C302	1-126-934-11	ELECT	220uF	20%	10V	C403	1-126-966-11	ELECT	33uF	20%	50V (DE325:AEP,G,EE)
C303	1-130-494-11	MYLAR	0.082uF	5%	50V	C404	1-162-286-21	CERAMIC	220PF	10%	50V (DE325:AEP,G,EE)
C304	1-137-367-11	FILM	0.0033uF	5%	50V	C405	1-137-459-11	FILM	0.0056uF	5%	100V (DE325:AEP,G,EE)
C305	1-130-494-11	MYLAR	0.082uF	5%	50V	C406	1-164-159-11	CERAMIC	0.1uF	50V	
C306	1-126-959-11	ELECT	0.47uF	20%	50V	C407	1-137-365-11	FILM	0.0015uF	5%	50V (DE325:AEP,G,EE)
C307	1-126-964-11	ELECT	10uF	20%	50V	C408	1-162-294-31	CERAMIC	0.001uF	10%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V	C409	1-126-962-11	ELECT	3.3uF	20%	50V (DE325:AEP,G,EE)
C309	1-162-291-31	CERAMIC	560PF	10%	50V	C410	1-164-159-21	CERAMIC	0.1uF	50V	
C310	1-126-962-11	ELECT	3.3uF	20%	50V	C412	1-162-291-31	CERAMIC	560PF	10%	50V
C311	1-126-961-11	ELECT	2.2uF	20%	50V	C413	1-164-159-11	CERAMIC	0.1uF	50V	
C312	1-126-934-11	ELECT	220uF	20%	10V	C415	1-164-159-11	CERAMIC	0.1uF	50V	
C313	1-126-934-11	ELECT	220uF	20%	10V	C416	1-164-159-11	CERAMIC	0.1uF	50V	
C314	1-136-165-00	FILM	0.1uF	5%	50V	C434	1-162-286-31	CERAMIC	220PF	10%	50V
C315	1-164-159-11	CERAMIC	0.1uF	50V		C435	1-162-286-31	CERAMIC	220PF	10%	50V
C316	1-124-252-00	ELECT	0.33uF	20%	50V	C451	1-162-286-21	CERAMIC	220PF	10%	50V (DE325:AEP,G,EE)
C318	1-136-357-11	FILM	680PF	5%	50V	C452	1-126-962-11	ELECT	3.3uF	20%	50V (DE325:AEP,G,EE)
C322	1-126-962-11	ELECT	3.3uF	20%	50V	C453	1-126-966-11	ELECT	33uF	20%	50V (DE325:AEP,G,EE)
C323	1-136-173-00	FILM	0.47uF	5%	50V	C454	1-162-286-21	CERAMIC	220PF	10%	50V (DE325:AEP,G,EE)
C324	1-126-967-11	ELECT	47uF	20%	16V	C455	1-137-459-11	FILM	0.0056uF	5%	100V (DE325:AEP,G,EE)
C325	1-136-165-00	FILM	0.1uF	5%	50V	C457	1-137-365-11	FILM	0.0015uF	5%	50V (DE325:AEP,G,EE)
C326	1-136-165-00	FILM	0.1uF	5%	50V	C459	1-126-962-11	ELECT	3.3uF	20%	50V (DE325:AEP,G,EE)
C327	1-126-959-11	ELECT	0.47uF	20%	50V	C460	1-164-159-21	CERAMIC	0.1uF	50V	
C328	1-126-963-11	ELECT	4.7uF	20%	50V	C470	1-162-288-31	CERAMIC	330PF	10%	50V
C329	1-126-959-11	ELECT	0.47uF	20%	50V	C471	1-126-933-11	ELECT	100uF	20%	10V
C330	1-126-963-11	ELECT	4.7uF	20%	50V	C472	1-102-233-00	CERAMIC	33PF	10%	500V
C331	1-124-250-11	ELECT	0.15uF	20%	50V	C473	1-126-967-11	ELECT	47uF	20%	16V
C332	1-126-962-11	ELECT	3.3uF	20%	50V	C474	1-137-372-11	FILM	0.022uF	5%	50V
C333	1-124-250-11	ELECT	0.15uF	20%	50V	C475	1-162-286-31	CERAMIC	220PF	10%	50V
C334	1-137-372-11	FILM	0.022uF	5%	50V	C476	1-162-282-31	CERAMIC	100PF	10%	50V
C335	1-136-161-00	FILM	0.047uF	5%	50V	C477	1-126-933-11	ELECT	100uF	20%	10V
C336	1-126-934-11	ELECT	220uF	20%	10V	C478	1-102-233-00	CERAMIC	33PF	10%	500V
C337	1-126-964-11	ELECT	10uF	20%	50V	C479	1-126-967-11	ELECT	47uF	20%	16V
C338	1-126-964-11	ELECT	10uF	20%	50V	C480	1-137-372-11	FILM	0.022uF	5%	50V
C339	1-126-964-11	ELECT	10uF	20%	50V	C481	1-162-286-31	CERAMIC	220PF	10%	50V
C340	1-126-964-11	ELECT	10uF	20%	50V	C482	1-162-282-31	CERAMIC	100PF	10%	50V
C341	1-126-934-11	ELECT	220uF	20%	10V	C483	1-126-967-11	ELECT	47uF	20%	16V
C342	1-126-962-11	ELECT	3.3uF	20%	50V	C484	1-137-372-11	FILM	0.022uF	5%	50V
C343	1-126-962-11	ELECT	3.3uF	20%	50V	C485	1-162-286-31	CERAMIC	220PF	10%	50V
C344	1-136-165-00	FILM	0.1uF	5%	50V	C486	1-162-282-31	CERAMIC	100PF	10%	50V
C345	1-136-165-00	FILM	0.1uF	5%	50V	C487	1-126-933-11	ELECT	100uF	20%	10V
C346	1-126-959-11	ELECT	0.47uF	20%	50V	C488	1-102-233-00	CERAMIC	33PF	10%	500V
C347	1-126-963-11	ELECT	4.7uF	20%	50V	C489	1-126-967-11	ELECT	47uF	20%	16V
C348	1-126-959-11	ELECT	0.47uF	20%	50V	C490	1-137-372-11	FILM	0.022uF	5%	50V
C349	1-126-963-11	ELECT	4.7uF	20%	50V	C491	1-162-286-31	CERAMIC	220PF	10%	50V
C350	1-124-250-11	ELECT	0.15uF	20%	50V	C492	1-162-282-31	CERAMIC	100PF	10%	50V
C351	1-126-962-11	ELECT	3.3uF	20%	50V	C493	1-126-933-11	ELECT	100uF	20%	10V
C352	1-124-250-11	ELECT	0.15uF	20%	50V	C494	1-102-233-00	CERAMIC	33PF	10%	500V
C353	1-164-159-11	CERAMIC	0.1uF	50V		C495	1-126-967-11	ELECT	47uF	20%	16V
C354	1-164-159-11	CERAMIC	0.1uF	50V		C496	1-137-372-11	FILM	0.022uF	5%	50V
C355	1-164-159-11	CERAMIC	0.1uF	50V		C497	1-162-286-31	CERAMIC	220PF	10%	50V
C356	1-164-159-11	CERAMIC	0.1uF	50V		C498	1-162-282-31	CERAMIC	100PF	10%	50V
C357	1-164-159-11	CERAMIC	0.1uF	50V		C499	1-126-933-11	ELECT	100uF	20%	10V
C358	1-164-159-11	CERAMIC	0.1uF	50V		C500	1-102-233-00	CERAMIC	33PF	10%	500V
C359	1-126-963-11	ELECT	4.7uF	20%	50V	C501	1-126-967-11	ELECT	47uF	20%	16V
C360	1-126-963-11	ELECT	4.7uF	20%	50V	C502	1-137-372-11	FILM	0.022uF	5%	50V
C370	1-164-159-11	CERAMIC	0.1uF	50V		C503	1-162-286-31	CERAMIC	220PF	10%	50V
C371	1-126-966-11	ELECT	33uF	20%	50V	C504	1-126-934-11	ELECT	220uF	20%	10V
C401	1-162-286-21	CERAMIC	220PF	10%	50V (DE325:AEP,G,EE)	C505	1-126-964-11	ELECT	10uF	20%	50V

MAIN

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>		<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>		
C740	1-128-560-11	ELECT	22uF	20%	100V	CC02	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C741	1-128-560-11	ELECT	22uF	20%	100V	CC03	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C742	1-126-925-11	ELECT	470uF	20%	10V	CC04	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C743	1-126-925-11	ELECT	470uF	20%	10V					
C752	1-162-282-31	CERAMIC	100PF	10%	50V					
C753	1-126-933-11	ELECT	100uF	20%	10V	CC05	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C755	1-102-233-00	CERAMIC	33PF	10%	500V	CC06	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C760	1-126-967-11	ELECT	47uF	20%	16V	CC07	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C761	1-137-372-11	FILM	0.022uF	5%	50V					
C770	1-162-286-31	CERAMIC	220PF	10%	50V					
C799	1-164-159-21	CERAMIC	0.1uF		50V (DE325:AEP,G,EE)	CC12	1-164-096-11	CERAMIC	0.01uF	50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C801	1-104-664-11	ELECT	47uF	20%	25V	CC13	1-164-096-11	CERAMIC	0.01uF	50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C802	1-104-664-11	ELECT	47uF	20%	25V	CC51	1-162-282-31	CERAMIC	100PF	10% 50V (DE325:AEP,G,EE)
C803	1-128-493-11	ELECT	4700uF	20%	63V (DE225)	CC52	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C803	1-109-932-11	ELECT(BLOCK)	10000uF	20%	71V (DE325:US)	CC53	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C803	1-107-766-11	ELECT(BLOCK)	8200uF	20%	71V (DE325:CND:AEP,G,EE)	CC54	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C803	1-104-595-11	ELECT(BLOCK)	6800uF	20%	71V (DE325:E,EA,CH,AUS,SP,MY)	CC55	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C804	1-128-493-11	ELECT	4700uF	20%	63V (DE225)	CC56	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C804	1-109-932-11	ELECT(BLOCK)	10000uF	20%	71V (DE325:US)	CC57	1-162-282-31	CERAMIC	100PF	10% 50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C804	1-107-766-11	ELECT(BLOCK)	8200uF	20%	71V (DE325:CND:AEP,G,EE)	CC62	1-164-096-11	CERAMIC	0.01uF	50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C804	1-104-595-11	ELECT(BLOCK)	6800uF	20%	71V (DE325:E,EA,CH,AUS,SP,MY)	CC63	1-164-096-11	CERAMIC	0.01uF	50V (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
C805	1-115-694-21	MYLAR	0.22uF	5%	100V (DE225:AEP,G,EE,UK/DE325:EXCEPTUS,CND)					
C805	1-137-420-11	FILM	0.047uF	10%	100V (DE225:CND/DE325:US,CND)					
C807	1-104-664-11	ELECT	47uF	20%	25V					
C808	1-104-664-11	ELECT	47uF	20%	25V					
C809	1-126-960-11	ELECT	1uF	20%	50V					
C810	1-126-960-11	ELECT	1uF	20%	50V					
C811	1-126-942-61	ELECT	1000uF	20%	25V					
C812	1-126-941-11	ELECT	470uF	20%	25V					
C806	1-115-694-21	MYLAR	0.22uF	5%	100V (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND)					< CONNECTOR >
C806	1-137-420-11	FILM	0.047uF	10%	100V (DE225:CND/DE325:US,CND)	CNP401	1-774-289-11	PIN, CONNECTOR (PC BOARD) 15P		
C807	1-104-664-11	ELECT	47uF	20%	25V	CNP702	1-750-388-11	PIN, CONNECTOR 5P		
C808	1-104-664-11	ELECT	47uF	20%	25V	CNS204	1-568-742-11	SOCKET, CONNECTOR 23P		
C809	1-126-960-11	ELECT	1uF	20%	50V	CNS252	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		
C810	1-126-960-11	ELECT	1uF	20%	50V	CNS301	1-568-442-11	SOCKET, CONNECTOR 9P		
C811	1-126-942-61	ELECT	1000uF	20%	25V	CNS701	1-568-439-11	SOCKET, CONNECTOR 7P		
C812	1-126-941-11	ELECT	470uF	20%	25V	CNS802	1-770-480-11	SOCKET, CONNECTOR PIN 4P		
C813	1-101-001-00	CERAMIC	0.001uF		50V					< DIODE >
C814	1-101-001-00	CERAMIC	0.001uF		50V	D610	8-719-911-19	DIODE 1SS119		
C820	1-161-494-00	CERAMIC	0.022uF		25V	D710	8-719-911-19	DIODE 1SS119		
C821	1-161-494-00	CERAMIC	0.022uF		25V	D721	8-719-911-19	DIODE 1SS119		
C822	1-104-664-11	ELECT	47uF	20%	25V	D722	8-719-911-19	DIODE 1SS119		
C823	1-104-664-11	ELECT	47uF	20%	25V	D723	8-719-911-19	DIODE 1SS119		
C950	1-126-767-11	ELECT	1000uF	20%	16V	D724	8-719-911-19	DIODE 1SS119		
C951	1-164-097-11	CERAMIC	0.022uF		50V	D725	8-719-911-19	DIODE 1SS119		
C952	1-126-960-11	ELECT	1uF	20%	50V	D801	8-719-986-54	DIODE HZS24-1LTA		
C953	1-124-464-11	ELECT	0.22uF	20%	50V	D802	8-719-302-38	DIODE RBV-602-01		
C954	1-126-096-11	ELECT	10uF	20%	35V	D804	8-719-109-85	DIODE RD5.1ES-B2		
C955	1-164-159-11	CERAMIC	0.1uF		50V	D810	8-719-200-82	DIODE 11ES2		
C957	1-164-159-11	CERAMIC	0.1uF		50V	D811	8-719-200-82	DIODE 11ES2		
CC01	1-162-282-31	CERAMIC	100PF	10%	50V (DE325:AEP,G,EE)	D812	8-719-200-82	DIODE 11ES2		
						D813	8-719-200-82	DIODE 11ES2		
						D814	8-719-911-19	DIODE 1SS119		

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
D815	8-719-911-19	DIODE 1SS119		Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D817	8-719-936-61	DIODE GL-9HY35		Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D818	8-719-911-19	DIODE 1SS119		Q703	8-749-010-25	IC MN2488-OPY-M	
D820	8-719-200-82	DIODE 11ES2		Q704	8-749-010-26	IC MP1620-OPY-M	
D821	8-719-200-82	DIODE 11ES2		Q710	8-729-620-05	TRANSISTOR 2SC2603-EF	
D822	8-719-200-82	DIODE 11ES2		Q720	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D823	8-719-200-82	DIODE 11ES2		Q721	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D901	8-719-911-19	DIODE 1SS119		Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
		< TERMINAL >		Q723	8-729-620-05	TRANSISTOR 2SC2603-EF	
G200	1-537-738-21	TERMINAL, EARTH		Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
G201	1-537-738-21	TERMINAL, EARTH		Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
G202	1-537-738-21	TERMINAL, EARTH		Q753	8-749-010-25	IC MN2488-OPY-M	
G203	1-537-738-21	TERMINAL, EARTH		Q754	8-749-010-26	IC MP1620-OPY-M	
		< IC >		Q770	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
IC1	8-759-450-86	IC BU1922 (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)		Q801	8-729-140-97	TRANSISTOR 2SB734-34	
IC300	8-759-527-00	IC LV1035M		Q802	8-729-620-05	TRANSISTOR 2SC2603-EF	
IC302	8-759-636-74	IC M5218AP-22		Q808	8-729-180-92	TRANSISTOR 2SD809-K	
IC401	8-759-805-14	IC LC7822		Q809	8-729-620-05	TRANSISTOR 2SC2603-EF	
IC402	8-759-636-74	IC M5218AP-22(DE325:AEP,G,EE)		Q951	8-729-209-15	TRANSISTOR 2SD2012	
IC701	8-759-326-52	IC uPC2581V					
IC702	8-759-326-52	IC uPC2581V					
IC801	8-759-231-58	IC TA7812S					
IC802	8-759-604-45	IC M5F79M12					
IC950	8-759-333-83	IC NJM2103D					
		< JACK >					
J401	1-770-614-11	JACK, PIN 4P (PHONO/CD)(DE325:AEP,G,EE)		R5	1-249-421-11	CARBON 2.2K 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	
J402	1-691-887-11	JACK, PIN 6P (TAPE MD/TV/LD)		R6	1-247-807-31	CARBON 100 5% 1/4W (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	
J403	1-580-825-11	JACK, PIN 6P (VIDEO)		R7	1-247-807-31	CARBON 100 5% 1/4W (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	
		< COIL >		R298	1-249-387-11	CARBON 3.3 5% 1/4W F (DE225:CND)	
L1	1-410-521-11	INDUCTOR 100uH (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)		R298	1-249-385-11	CARBON 2.2 5% 1/6W F (DE325:EXCEPT AEP,G,EE)	
L301	1-410-509-11	INDUCTOR 10uH		R298	1-249-381-11	CARBON 1 5% 1/4W F (DE325:AEP,G,EE)	
L601	1-420-872-00	COIL, AIR-CORE		R299	1-249-387-11	CARBON 3.3 5% 1/4W F (DE225:CND)	
L651	1-420-872-00	COIL, AIR-CORE		R299	1-249-385-11	CARBON 2.2 5% 1/6W F (DE325:EXCEPT AEP,G,EE)	
L701	1-420-872-00	COIL, AIR-CORE		R299	1-249-381-11	CARBON 1 5% 1/4W F (DE325:AEP,G,EE)	
L751	1-420-872-00	COIL, AIR-CORE		R300	1-247-903-00	CARBON 1M 5% 1/4W	
		< TRANSISTOR >		R301	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q303	8-729-141-30	TRANSISTOR 2SC3623A-LK		R302	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q304	8-729-141-30	TRANSISTOR 2SC3623A-LK		R303	1-249-439-11	CARBON 68K 5% 1/4W	
Q307	8-729-141-30	TRANSISTOR 2SC3623A-LK		R304	1-249-438-11	CARBON 56K 5% 1/4W	
Q308	8-729-141-30	TRANSISTOR 2SC3623A-LK		R306	1-249-436-11	CARBON 39K 5% 1/4W	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE		R307	1-247-862-11	CARBON 20K 5% 1/4W	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK		R308	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q603	8-749-010-25	IC MN2488-OPY-M		R309	1-249-421-11	CARBON 2.2K 5% 1/4W F	
Q604	8-749-010-26	IC MP1620-OPY-M		R342	1-249-441-11	CARBON 100K 5% 1/4W	
Q610	8-729-620-05	TRANSISTOR 2SC2603-EF		R343	1-249-441-11	CARBON 100K 5% 1/4W	
Q620	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R352	1-249-441-11	CARBON 100K 5% 1/4W	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE		R353	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK		R354	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q653	8-749-010-25	IC MN2488-OPY-M		R355	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q654	8-749-010-26	IC MP1620-OPY-M		R356	1-249-425-11	CARBON 4.7K 5% 1/4W F	
Q670	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R357	1-249-441-11	CARBON 100K 5% 1/4W	
				R358	1-249-441-11	CARBON 100K 5% 1/4W	
				R359	1-249-425-11	CARBON 4.7K 5% 1/4W F	
				R360	1-247-843-11	CARBON 3.3K 5% 1/4W	

MAIN

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>		<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>		
R361	1-249-429-11	CARBON	10K	5%	1/4W	R602	1-249-439-11	CARBON	68K	5% 1/4W
R362	1-249-429-11	CARBON	10K	5%	1/4W	R603	1-249-416-11	CARBON	820	5% 1/4W F (DE225:AEP,G,EE,UK)
R363	1-249-411-11	CARBON	330	5%	1/4W	R603	1-249-414-11	CARBON	560	5% 1/4W F (DE225:CND/DE325:AEP,G,EE)
R401	1-249-411-11	CARBON	330	5%	1/4W (DE325:AEP,G,EE)					
R402	1-249-421-11	CARBON	2.2K	5%	1/4W F	R603	1-249-412-11	CARBON	390	5% 1/4W F (DE325:US,CND)
R403	1-249-417-11	CARBON	1K	5%	1/4W F	R603	1-249-413-11	CARBON	470	5% 1/4W F (DE325:E,EA,CH,AUS,SP,MY)
R404	1-249-417-11	CARBON	1K	5%	1/4W F	R604	1-249-439-11	CARBON	68K	5% 1/4W
R405	1-249-417-11	CARBON	1K	5%	1/4W F	R605	1-249-441-11	CARBON	100K	5% 1/4W
R406	1-249-417-11	CARBON	1K	5%	1/4W F	R610	1-249-421-11	CARBON	2.2K	5% 1/4W F
R407	1-249-417-11	CARBON	1K	5%	1/4W F	R611	1-249-440-11	CARBON	82K	5% 1/4W
R408	1-249-429-11	CARBON	10K	5%	1/4W	R613	1-249-414-11	CARBON	560	5% 1/4W F
R409	1-249-437-11	CARBON	47K	5%	1/4W (DE325:AEP,G,EE)	▲ R614	1-249-409-11	CARBON	220	5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
R410	1-247-897-11	CARBON	560K	5%	1/4W (DE325:AEP,G,EE)	▲ R614	1-249-408-11	CARBON	180	5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)
R411	1-249-416-11	CARBON	820	5%	1/4W F (DE325:AEP,G,EE)	▲ R615	1-249-409-11	CARBON	220	5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
R412	1-247-897-11	CARBON	560K	5%	1/4W (DE325:AEP,G,EE)	▲ R615	1-249-408-11	CARBON	180	5% 1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)
R413	1-249-437-11	CARBON	47K	5%	1/4W (DE325:AEP,G,EE)	▲ R616	1-233-352-21	ENCAPSULATED COMPONENT		
R414	1-249-425-11	CARBON	4.7K	5%	1/4W F	▲ R617	1-249-393-11	CARBON	10	5% 1/4W F
R415	1-249-417-11	CARBON	1K	5%	1/4W F	R618	1-249-389-11	CARBON	4.7	5% 1/4W F
R416	1-249-417-11	CARBON	1K	5%	1/4W F (DE325:AEP,G,EE)	▲ R619	1-249-405-11	CARBON	100	5% 1/4W F
R417	1-247-897-11	CARBON	560K	5%	1/4W (DE325:AEP,G,EE)	R620	1-249-419-11	CARBON	1.5K	5% 1/4W F
R435	1-249-418-11	CARBON	1.2K	5%	1/4W F	R621	1-249-426-11	CARBON	5.6K	5% 1/4W (DE225/DE325:E,EA,CH,AUS,SP,MY)
R442	1-249-418-11	CARBON	1.2K	5%	1/4W F	R621	1-249-427-11	CARBON	6.8K	5% 1/4W F (DE325:US,CND,AEP,G,EE)
R443	1-249-418-11	CARBON	1.2K	5%	1/4W F	▲ R622	1-249-403-11	CARBON	68	5% 1/4W F
R447	1-249-416-11	CARBON	820	5%	1/4W F	R623	1-249-437-11	CARBON	47K	5% 1/4W
R448	1-249-429-11	CARBON	10K	5%	1/4W	R630	1-249-426-11	CARBON	5.6K	5% 1/4W
R449	1-249-433-11	CARBON	22K	5%	1/4W	R631	1-247-881-00	CARBON	120K	5% 1/4W (DE225:AEP,G,EE,UK)
R451	1-249-411-11	CARBON	330	5%	1/4W (DE325:AEP,G,EE)	R631	1-247-887-00	CARBON	220K	5% 1/4W (DE225:CND/DE325)
R452	1-249-421-11	CARBON	2.2K	5%	1/4W F	R632	1-249-426-11	CARBON	5.6K	5% 1/4W
R453	1-249-417-11	CARBON	1K	5%	1/4W F	R651	1-249-417-11	CARBON	1K	5% 1/4W F
R454	1-249-417-11	CARBON	1K	5%	1/4W F	R652	1-249-439-11	CARBON	68K	5% 1/4W
R455	1-249-417-11	CARBON	1K	5%	1/4W F	R653	1-249-416-11	CARBON	820	5% 1/4W F (DE225:AEP,G,EE,UK)
R456	1-249-417-11	CARBON	1K	5%	1/4W F	R653	1-249-414-11	CARBON	560	5% 1/4W F
R457	1-249-417-11	CARBON	1K	5%	1/4W F	R654	1-249-439-11	CARBON	68K	5% 1/4W
R458	1-249-429-11	CARBON	10K	5%	1/4W	R655	1-249-441-11	CARBON	100K	5% 1/4W
R459	1-249-437-11	CARBON	47K	5%	1/4W (DE325:AEP,G,EE)	R660	1-249-421-11	CARBON	2.2K	5% 1/4W F
R460	1-247-897-11	CARBON	560K	5%	1/4W (DE325:AEP,G,EE)	R661	1-249-440-11	CARBON	82K	5% 1/4W
R461	1-249-416-11	CARBON	820	5%	1/4W F (DE325:AEP,G,EE)	R663	1-249-414-11	CARBON	560	5% 1/4W F
R462	1-247-897-11	CARBON	560K	5%	1/4W (DE325:AEP,G,EE)					
R463	1-249-437-11	CARBON	47K	5%	1/4W (DE325:AEP,G,EE)					
R465	1-249-417-11	CARBON	1K	5%	1/4W F					
R466	1-249-417-11	CARBON	1K	5%	1/4W F (DE325:AEP,G,EE)					
R467	1-247-897-11	CARBON	560K	5%	1/4W (DE325:AEP,G,EE)					
R601	1-249-417-11	CARBON	1K	5%	1/4W F					

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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Ref. No.	Part No.	Description			Remarks	Ref. No.	Part No.	Description			Remarks
△ R664	1-249-409-11	CARBON	220	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	R734	1-249-429-11	CARBON	10K	5%	1/4W
△ R664	1-249-408-11	CARBON	180	5%	1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)	△ R740	1-249-393-11	CARBON	10	5%	1/4W F
△ R665	1-249-409-11	CARBON	220	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	R741	1-249-393-11	CARBON	10	5%	1/4W F
△ R665	1-249-408-11	CARBON	180	5%	1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)	R742	1-249-425-11	CARBON	4.7K	5%	1/4W F
△ R666	1-233-352-21	ENCAPSULATED COMPONENT				R743	1-249-425-11	CARBON	4.7K	5%	1/4W F
△ R667	1-249-393-11	CARBON	10	5%	1/4W F	R751	1-249-417-11	CARBON	1K	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W F	R752	1-249-439-11	CARBON	68K	5%	1/4W
R670	1-249-419-11	CARBON	1.5K	5%	1/4W F	R753	1-249-416-11	CARBON	820	5%	1/4W F (DE225:AEP,G,EE,UK)
R671	1-249-426-11	CARBON	5.6K	5%	1/4W	R753	1-249-414-11	CARBON	560	5%	1/4W F
R671	1-249-427-11	CARBON	6.8K	5%	1/4W F (DE325:US,CND,AEP,G,EE)	R754	1-249-439-11	CARBON	68K	5%	1/4W
R672	1-249-431-11	CARBON	15K	5%	1/4W	R755	1-249-441-11	CARBON	100K	5%	1/4W
R673	1-249-437-11	CARBON	47K	5%	1/4W	R760	1-249-421-11	CARBON	2.2K	5%	1/4W F
R701	1-249-417-11	CARBON	1K	5%	1/4W F	R761	1-249-440-11	CARBON	82K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W	R763	1-249-414-11	CARBON	560	5%	1/4W F
R703	1-249-416-11	CARBON	820	5%	1/4W F (DE225:AEP,G,EE,UK)	△ R764	1-249-409-11	CARBON	220	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
R703	1-249-414-11	CARBON	560	5%	1/4W F (DE225:CND/DE325:AEP,G,EE)	△ R764	1-249-408-11	CARBON	180	5%	1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)
R703	1-249-412-11	CARBON	390	5%	1/4W F (DE325:US,CND)	△ R765	1-249-409-11	CARBON	220	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)
R703	1-249-413-11	CARBON	470	5%	1/4W F (DE325:E,EA,CH,AUS,SP,MY)	△ R765	1-249-408-11	CARBON	180	5%	1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)
R704	1-249-439-11	CARBON	68K	5%	1/4W	△ R766	1-233-352-21	ENCAPSULATED COMPONENT			
R705	1-249-441-11	CARBON	100K	5%	1/4W	△ R767	1-249-393-11	CARBON	10	5%	1/4W F
R710	1-249-421-11	CARBON	2.2K	5%	1/4W F	R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R711	1-249-440-11	CARBON	82K	5%	1/4W	R770	1-249-419-11	CARBON	1.5K	5%	1/4W F
R713	1-249-414-11	CARBON	560	5%	1/4W F	R771	1-249-426-11	CARBON	5.6K	5%	1/4W (DE225:DE325:E,EA,CH,AUS,SP,MY)
△ R714	1-249-409-11	CARBON	220	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	R771	1-249-427-11	CARBON	6.8K	5%	1/4W F (DE325:US,CND,AEP,G,EE)
△ R714	1-249-408-11	CARBON	180	5%	1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)	R772	1-249-431-11	CARBON	15K	5%	1/4W
△ R715	1-249-409-11	CARBON	220	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	R773	1-249-437-11	CARBON	47K	5%	1/4W
△ R715	1-249-408-11	CARBON	180	5%	1/4W F (DE225:CND/DE325:EXCEPT AEP,G,EE)	R781	1-247-881-00	CARBON	120K	5%	1/4W (DE225:AEP,G,EE,UK)
△ R716	1-233-352-21	ENCAPSULATED COMPONENT				R781	1-247-887-00	CARBON	220K	5%	1/4W (DE225:CND/DE325)
△ R717	1-249-393-11	CARBON	10	5%	1/4W F	△ R803	1-249-389-11	CARBON	4.7	5%	1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND)
R718	1-249-389-11	CARBON	4.7	5%	1/4W F	△ R803	1-247-739-11	CARBON	100	5%	1/2W F (DE225:CND/DE325:US,CND)
△ R719	1-249-405-11	CARBON	100	5%	1/4W F	R804	1-249-425-11	CARBON	4.7K	5%	1/4W F (DE225:AEP,G,EE,UK)
R720	1-249-419-11	CARBON	1.5K	5%	1/4W F	R804	1-249-426-11	CARBON	5.6K	5%	1/4W (DE225:CND)
R721	1-249-426-11	CARBON	5.6K	5%	1/4W F (DE225:DE325:E,EA,CH,AUS,SP,MY)	R804	1-249-427-11	CARBON	6.8K	5%	1/4W F (DE325:US,CND)
R721	1-249-427-11	CARBON	6.8K	5%	1/4W F (DE325:US,CND,AEP,G,EE)	R804	1-249-421-11	CARBON	2.2K	5%	1/4W F (DE325:E,EA,CH,AUS,SP,MY)
△ R722	1-249-403-11	CARBON	68	5%	1/4W F	R821	1-249-437-11	CARBON	47K	5%	1/4W F
R723	1-249-437-11	CARBON	47K	5%	1/4W	R822	1-249-425-11	CARBON	4.7K	5%	1/4W F
R724	1-249-425-11	CARBON	4.7K	5%	1/4W F	R823	1-249-437-11	CARBON	47K	5%	1/4W F
R725	1-249-429-11	CARBON	10K	5%	1/4W	R824	1-249-425-11	CARBON	4.7K	5%	1/4W F
R726	1-249-417-11	CARBON	1K	5%	1/4W F	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.				
R727	1-249-427-11	CARBON	6.8K	5%	1/4W F						
R730	1-249-429-11	CARBON	10K	5%	1/4W						
R731	1-247-881-00	CARBON	120K	5%	1/4W F (DE225:AEP,G,EE,UK)						
R731	1-247-887-00	CARBON	220K	5%	1/4W F (DE225:CND/DE325)						

MAIN	MIX-OUT	PRIMARY	SECONDARY	SP-SW			
Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
R825	1-249-407-11	CARBON	150 5% 1/4W F	*	1-669-267-11	PRIMARY BOARD	*****
△ R830	1-249-405-11	CARBON	100 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND)				
△ R830	1-249-402-11	CARBON	56 5% 1/4W F (DE225:CND/DE325:CND)		1-533-233-21	HOLDER, FUSE	
△ R831	1-249-403-11	CARBON	68 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND)			< CONNECTOR >	
△ R831	1-249-402-11	CARBON	56 5% 1/4W F (DE225:CND/DE325:CND)	* CNP902	1-564-321-21	PIN, CONNECTOR 2P	
R950	1-249-421-11	CARBON	2.2K 5% 1/4W F			< FUSE >	
R951	1-249-428-11	CARBON	8.2K 5% 1/4W F	△ F901	1-576-109-11	FUSE TIME LAG 5A/125V (DE225:CND/DE325:US,CND)	
R952	1-249-422-11	CARBON	2.7K 5% 1/4W F	△ F901	1-532-388-51	FUSE TIME LAG 2A/250V (DE325:E,EA,CH,AUS,SP,MY)	
R953	1-249-433-11	CARBON	22K 5% 1/4W	△ F901	1-532-464-51	FUSE TIME LAG 2.5A/250V (DE325:AEP,G,EE)	
R954	1-249-439-11	CARBON	68K 5% 1/4W	△ F901	1-532-503-51	FUSE TIME LAG 1.6A/250V (DE225:AEP,G,EE,UK)	
R955	1-249-429-11	CARBON	10K 5% 1/4W			*****	
R956	1-247-843-11	CARBON	3.3K 5% 1/4W				
R957	1-249-417-11	CARBON	1K 5% 1/4W F	* 1-669-268-11	SECONDARY BOARD	*****	
R958	1-249-401-11	CARBON	47 5% 1/4W F				
R960	1-249-431-11	CARBON	15K 5% 1/4W			< CONNECTOR >	
RR01	1-249-418-11	CARBON	1.2K 5% 1/4W F (DE325:AEP,G,EE)				
RR04	1-249-393-11	CARBON	10 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	CNP801	1-764-480-11	PIN, CONNECTOR (PC BOARD) 11P	
RR05	1-249-393-11	CARBON	10 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)			< RESISTOR >	
RR51	1-249-418-11	CARBON	1.2K 5% 1/4W F (DE325:AEP,G,EE)	△ R810	1-219-124-11	FUSIBLE 0.68 5% 1/4W F (DE225:CND/DE325:CND)	
RR54	1-249-393-11	CARBON	10 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	△ R810	1-249-381-11	CARBON 1 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND)	
RR55	1-249-393-11	CARBON	10 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)	△ R811	1-219-124-11	FUSIBLE 0.68 5% 1/4W F (DE225:CND/DE325:CND)	
				△ R811	1-249-381-11	CARBON 1 5% 1/4W F (DE225:AEP,G,EE,UK/DE325:EXCEPT CND)	

RY601	1-515-921-11	RELAY (12V)		* 1-669-270-11	SP-SW BOARD	*****	
RY701	1-515-921-11	RELAY (12V)					
RY801	1-755-013-11	RELAY				< CONNECTOR >	
			(DE225:AEP,G,EE,UK/DE325:EXCEPT CND)				
RY851	1-755-209-11	RELAY (DE225:CND/DE325:CND)					
RY852	1-755-209-11	RELAY (DE225:CND/DE325:CND)					
						< TERMINAL >	
TM601	1-537-510-11	TERMINAL BOARD (6P)(SURROUND SPEAKER)		CNP703	1-764-474-11	PIN, CONNECTOR (PC BOARD) 5P	
TM701	1-537-376-11	TERMINAL BOARD (FRONT SPEAKER)		CNP704	1-764-473-11	PIN, CONNECTOR (PC BOARD) 3P	
				CNS702	1-770-378-11	CONNECTOR, BOARD TO BOARD 5P	
						< JACK >	
				J741	1-750-733-11	JACK (LARGE TYPE)(PHONES)	
						< RESISTOR >	
X1	1-579-900-21	VIBRATOR, CRYSTAL 4.33MHz (DE225:AEP,G,EE,UK/DE325:AEP,G,EE)		R741	1-247-753-11	CARBON 1.2K 5% 1/2W(DE225:CND/DE325)	
X301	1-579-952-21	VIBRATOR, CERAMIC 8MHz (DE225:AEP,G,EE,UK)		R741	1-260-097-11	CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK)	
X301	1-579-952-11	VIBRATOR, CERAMIC 8MHz (DE225:CND/DE325)		R742	1-247-753-11	CARBON 1.2K 5% 1/2W(DE225:CND/DE325)	
				R742	1-260-097-11	CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK)	
				R791	1-247-753-11	CARBON 1.2K 5% 1/2W(DE225:CND/DE325)	
*	1-669-273-11	MIX-OUT BOARD		R791	1-260-097-11	CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK)	
		*****		R792	1-247-753-11	CARBON 1.2K 5% 1/2W(DE225:CND/DE325)	
				R792	1-260-097-11	CARBON 680 5% 1/2W(DE225:AEP,G,EE,UK)	
J254	1-774-843-11	JACK, PIN 1P (MIX AUDIO OUT)					

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SP-SW	SP-SW-A	SP-SW-B	STAND BY	VOL-SEL	VR-TONE
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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>				
< SWITCH >											
S701	1-762-319-11	SWITCH, PUSH (2 KEY)(SPEAKER A/B)		* CNP907	1-565-395-11	PIN, CONNECTOR 3P					

*	1-669-271-11	SP-SW-A BOARD	*****	CNP908	1-564-321-00	PIN, CONNECTOR 2P					

*	1-669-272-11	SP-SW-B BOARD	*****	* CNP910	1-564-687-11	PIN, CONNECTOR 3P					

*	1-669-266-11	STAND BY BOARD	*****	< DIODE >							

	1-533-233-21	HOLDER, FUSE		D235	8-759-058-64	DIODE IC TC7S32FU(TE85R)					
< JACK >				D236	8-759-058-64	DIODE IC TC7S32FU(TE85R)					
△CNJ902	1-251-691-11	OUTLET (AC)	(DE225:CND/DE325:US,CND,E,EA,CH)	D237	8-759-058-64	DIODE IC TC7S32FU(TE85R)					
< CONNECTOR >				D239	8-759-058-64	DIODE IC TC7S32FU(TE85R)					
CNP802	1-779-495-11	PLUG, CONNECTOR PIN 4P		< FUSE >							
CNP901	1-564-321-00	PIN, CONNECTOR 2P		△F904	1-532-388-51	FUSE TIME LAG 2A/250V					
CNP903	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	(DE225:AEP,G,EE/DE325:AEP,G,AUS,EE,SP,MY)	< SWITCH >							
CNP905	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P		△S901	1-571-437-11	SWITCH, POWER VOLTAGE CHANGE					
*	CNP906	1-564-687-11	PIN, CONNECTOR 3P	(SELECTOR)							
< DIODE >											
D816	8-719-911-19	DIODE 1SS119		*	A-4407-436-A	VR-TONE BOARD, COMPLETE					
< FUSE >											
△F902	1-532-464-51	FUSE TIME LAG 2.5A/250V	(DE225:AEP,G,EE,UK/DE325:AEP,G,EE,SP,MY,AUS)	(DE225:CND/DE325:EXCEPT AEP,G,EE)							
< TERMINAL >				*	A-4407-523-A	VR-TONE BOARD, COMPLETE					
*	G900	1-537-738-21	TERMINAL, EARTH	(DE225:AEP,G,EE,UK/DE325:US,CND)							
< RESISTOR >				< CAPACITOR >							
△R901	1-202-725-00	SOLID	3.3M 10% 1/2W	C420	1-162-207-31	CERAMIC 22PF 5% 50V					
(DE225:CND/DE325:US,CND)				C421	1-137-440-11	FILM 0.018uF 5% 50V					
< RELAY >				C422	1-124-463-00	ELECT 0.1uF 20% 50V					
△RY901	1-755-018-11	RELAY		C423	1-137-368-11	FILM 0.0047uF 5% 50V					
< TRANSFORMER >				C424	1-137-372-11	FILM 0.022uF 5% 50V					
△T902	1-450-361-11	TRANSFORMER, POWER	(DE225:CND/DE325:US,CND)	C425	1-126-795-11	ELECT 10uF 20% 25V					
△T902	1-450-358-11	TRANSFORMER, POWER	(DE225:AEP,G,EE,UK/DE325:EXCEPT US,CND)	C426	1-126-795-11	ELECT 10uF 20% 25V					
*****				C427	1-124-252-00	ELECT 0.33uF 20% 50V					
*	1-669-269-11	VOL-SEL BOARD(DE325:E,EA,CH)	*****	C428	1-130-489-00	MYLAR 0.033uF 5% 50V					
*****				C429	1-102-973-00	CERAMIC 100PF 5% 50V					
1-533-399-31 HOLDER, FUSE											

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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remarks</u>		<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remarks</u>		
< CONNECTOR >												< VARIABLE RESISTOR >		
CNP202	1-770-391-11	PIN, CONNECTOR (PC BOARD)	7P				RV404	1-225-229-11	RES, VAR, CARBON	100KX4				
CNS402	1-568-439-11	SOCKET, CONNECTOR	7P										(MASTER VOLUME)	
CNS403	1-568-442-11	SOCKET, CONNECTOR	9P				RV421	1-223-362-11	RES, VAR, CARBON	100K/100K (BASS)				
							RV422	1-223-363-11	RES, VAR, CARBON	125K/125K (TREBLE)				
							RV423	1-225-447-11	RES, VAR, CARBON	100K/100K (BALANCE)				
D238	8-719-046-39	DIODE	SEL5821A-TH15 (MUTING)										< SWITCH >	
D421	8-719-911-19	DIODE	1SS119				S240	1-762-751-11	SWITCH, TACTILE	(MUTING)				

IC404	8-759-636-74	IC	M5218AP-22				*	1-669-263-11	10 KEY BOARD				*****	
													< CONNECTOR >	
Q401	8-729-202-67	TRANSISTOR	2SK246-GR3				CNS205	1-770-397-11	HOUSING, CONNECTOR(PC BOARD)	4P				
Q402	8-729-141-30	TRANSISTOR	2SC3623A-LK											
Q451	8-729-202-67	TRANSISTOR	2SK246-GR3											
Q452	8-729-141-30	TRANSISTOR	2SC3623A-LK											
													< RESISTOR >	
R229	1-249-406-11	CARBON	120	5%	1/4W	F	R232	1-249-411-11	CARBON	330	5%	1/4W		
R420	1-249-415-11	CARBON	680	5%	1/4W	F	R233	1-249-413-11	CARBON	470	5%	1/4W	F	
R421	1-249-430-11	CARBON	12K	5%	1/4W		R234	1-249-415-11	CARBON	680	5%	1/4W	F	
R422	1-249-422-11	CARBON	2.7K	5%	1/4W	F	R235	1-249-417-11	CARBON	1K	5%	1/4W	F	
R423	1-247-903-00	CARBON	1M	5%	1/4W		R236	1-249-419-11	CARBON	1.5K	5%	1/4W	F	
R424	1-247-903-00	CARBON	1M	5%	1/4W		R237	1-249-421-11	CARBON	2.2K	5%	1/4W	F	
R425	1-249-429-11	CARBON	10K	5%	1/4W		R238	1-247-843-11	CARBON	3.3K	5%	1/4W		
R426	1-249-439-11	CARBON	68K	5%	1/4W		R239	1-249-411-11	CARBON	330	5%	1/4W		
R427	1-249-417-11	CARBON	1K	5%	1/4W	F	R240	1-249-413-11	CARBON	470	5%	1/4W	F	
R430	1-249-437-11	CARBON	47K	5%	1/4W		R241	1-249-415-11	CARBON	680	5%	1/4W	F	
R431	1-247-843-11	CARBON	3.3K	5%	1/4W		R242	1-249-417-11	CARBON	1K	5%	1/4W	F	
R432	1-247-883-00	CARBON	150K	5%	1/4W		R243	1-249-419-11	CARBON	1.5K	5%	1/4W	F	
R433	1-249-427-11	CARBON	6.8K	5%	1/4W	F	R244	1-249-421-11	CARBON	2.2K	5%	1/4W	F	
R434	1-249-413-11	CARBON	470	5%	1/4W	F	R245	1-247-843-11	CARBON	3.3K	5%	1/4W		
R438	1-249-441-11	CARBON	100K	5%	1/4W		R246	1-249-411-11	CARBON	330	5%	1/4W		
R441	1-249-441-11	CARBON	100K	5%	1/4W		R247	1-249-413-11	CARBON	470	5%	1/4W	F	
R444	1-247-903-00	CARBON	1M	5%	1/4W		R248	1-249-415-11	CARBON	680	5%	1/4W	F	
R464	1-247-903-00	CARBON	1M	5%	1/4W		R249	1-249-417-11	CARBON	1K	5%	1/4W	F	
R469	1-247-903-00	CARBON	1M	5%	1/4W		R250	1-249-419-11	CARBON	1.5K	5%	1/4W	F	
R470	1-249-415-11	CARBON	680	5%	1/4W	F	R251	1-249-421-11	CARBON	2.2K	5%	1/4W	F	
R471	1-249-430-11	CARBON	12K	5%	1/4W		R252	1-247-843-11	CARBON	3.3K	5%	1/4W		
R472	1-249-422-11	CARBON	2.7K	5%	1/4W	F							< SWITCH >	
R473	1-247-903-00	CARBON	1M	5%	1/4W									
R474	1-247-903-00	CARBON	1M	5%	1/4W		S217	1-554-303-21	SWITCH, TACTILE	(EFFECT/DELAY)				
R475	1-249-429-11	CARBON	10K	5%	1/4W		S218	1-554-303-21	SWITCH, TACTILE	(SURROUND ON/OFF)				
R476	1-249-439-11	CARBON	68K	5%	1/4W		S219	1-554-303-21	SWITCH, TACTILE	(BASS BOOST)				
R477	1-249-417-11	CARBON	1K	5%	1/4W	F	S220	1-554-303-21	SWITCH, TACTILE	(PHONO)(DE325:AEP,G,EE)				
R480	1-249-437-11	CARBON	47K	5%	1/4W		S221	1-554-303-21	SWITCH, TACTILE	(TUNER)(DE325:AEP,G,EE)				
R481	1-247-843-11	CARBON	3.3K	5%	1/4W									
R482	1-247-883-00	CARBON	150K	5%	1/4W		S222	1-554-303-21	SWITCH, TACTILE	(TV/LD)				
R483	1-249-427-11	CARBON	6.8K	5%	1/4W	F	S223	1-554-303-21	SWITCH, TACTILE	(VIDEO)				
R484	1-249-413-11	CARBON	470	5%	1/4W	F	S224	1-554-303-21	SWITCH, TACTILE	(SHIFT)				
R491	1-249-441-11	CARBON	100K	5%	1/4W		S225	1-554-303-21	SWITCH, TACTILE	(6)				
R492	1-247-903-00	CARBON	1M	5%	1/4W		S226	1-554-303-21	SWITCH, TACTILE	(7)				
R494	1-247-903-00	CARBON	1M	5%	1/4W		S227	1-554-303-21	SWITCH, TACTILE	(8)				
							S228	1-554-303-21	SWITCH, TACTILE	(9)				
							S229	1-554-303-21	SWITCH, TACTILE	(0)				
							S230	1-554-303-21	SWITCH, TACTILE	(SET UP)				
							S231	1-554-303-21	SWITCH, TACTILE	(CD)(DE325:AEP,G,EE)				

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remarks</u>
S232	1-554-303-21	SWITCH, TACTILE (DIRECT TUNING)				ACCESSORIES & PACKING MATERIALS	*****
S233	1-554-303-21	SWITCH, TACTILE (1)					*****
S234	1-554-303-21	SWITCH, TACTILE (2)					*****
S235	1-554-303-21	SWITCH, TACTILE (3)					*****
S236	1-554-303-21	SWITCH, TACTILE (4)					*****
S237	1-554-303-21	SWITCH, TACTILE (5)				1-475-042-11 ADAPTOR	
S238	1-554-303-21	SWITCH, TACTILE (TAPE/MD)				1-475-710-11 REMOTE COMMANDER (RM-U302)	
S239	1-554-303-21	SWITCH, TACTILE (MODE)				1-501-374-11 ANTENNA, LOOP	
S241	1-554-303-21	SWITCH, TACTILE (TUNER)				1-501-594-11 ANTENNA (FM)	
S242	1-554-303-21	SWITCH, TACTILE (CD)				3-862-354-11 MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH, ITALIAN)	

MISCELLANEOUS							

12	1-782-084-11	WIRE (FLAT TYPE) (23 CORE)				3-862-354-21 MANUAL, INSTRUCTION (ENGLISH) (DE325)	
13	1-782-074-11	WIRE (FLAT TYPE) (7 CORE)				3-862-354-31 MANUAL, INSTRUCTION (ENGLISH, FRENCH)	
14	1-782-075-11	WIRE (FLAT TYPE) (9 CORE)				3-862-354-41 MANUAL, INSTRUCTION (SPANISH, SWEDISH, FINNISH, DANISH, PORTUGUESE)	
△ 58	1-777-071-21	CORD, POWER (EXCEPT US,CND,AUS)				3-862-354-51 MANUAL, INSTRUCTION (ENGLISH, RUSSIAN, POLISH) (DE325)	
△ 58	1-783-203-11	CORD, POWER (AUS)				3-862-354-61 MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (DE325)	
△ 58	1-783-204-11	CORD, POWER (US,CND)				4-981-643-11 BATTERY COVER (FOR RM-U302)	
65	1-693-407-51	TUNER (US,CND)				*****	
65	1-693-408-31	TUNER (EXCEPT US,CND,EE)				HARDWARE LIST	
65	1-693-411-31	TUNER (EE)				*****	
△ 67	1-569-008-21	ADAPTOR, CONVERSION 2P (E,EA,CH)			#1	7-685-646-79 SCREW +BVTP 3 × 8 TYPE2 IT-3	
△ 67	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)			#2	7-685-881-09 SCREW +BVTT 4 × 8 (S)	
△ CNJ902	1-251-416-11	OUTLET, A.C.(AUS)			#3	7-685-872-09 SCREW +BVTT 3 × 8 (S)	
△ CNJ902	1-526-794-11	OUTLET, AC (AEP,G,EE,SP,MY)					
△ T901	1-431-264-11	TRANSFORMER, POWER (DE325:CND)					
△ T901	1-431-793-11	TRANSFORMER, POWER (DE325:US)					
△ T901	1-431-794-11	TRANSFORMER, POWER (DE325:E,EA,CH)					
△ T901	1-431-795-11	TRANSFORMER, POWER (DE325:SP,MY)					
△ T901	1-431-796-11	TRANSFORMER, POWER (DE325:AEP,G,EE)					
△ T901	1-431-798-11	TRANSFORMER, POWER (DE225:AEP,G,EE,UK)					
△ T901	1-431-799-11	TRANSFORMER, POWER (DE225:CND)					
△ T901	1-431-818-11	TRANSFORMER, POWER (DE325:AUS)					

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.

