# STR-D565/D665

### SERVICE MANUAL



Free service manuals Gratis schema's

Digitized by

www.freeservicemanuals.info

AEP Model **UK Model** Australian Model

STR-D565/D665

Model

PHONES: Accepts low

headphones

+10 dB at 70 Hz

10 kHz

87.5 - 108.0 MHz

Except E model:

E model:

75 ohms, unbalanced

±8 dB at 100 Hz and

-20 dB

Muting

TONE

**BASS BOOST** 

Tuning range

Antenna

terminals

FM tuner section

and high impedance



Photo: STR-D665: E model

#### **SPECIFICATIONS**

Amplifier section

Power Output Stereo mode

(DIN 1 kHz) STR-D665:

> Except E model: 90 + 90 W/4 ohms

E model:

80 + 80 W/8 ohms STR-D565:

70 + 70 W/4 ohms (Except AUS) 65 + 65 W/8 ohms (AUS)

Surround mode (1 kHz, THD 0.9 %)

Front:

STR-D665:

Except E model:

60 + 60 W / 4 ohms

E model:

50 W/ch/8 ohms

STR-D565

AEP, UK, IT, G model:

40 + 40W/4 ohms AUS model :

40W/ch/8 ohms

Center:

STR-D665:

Except E model:

60 W/4 ohms

E model:

50 W/8 ohms

STR-D565:

AEP, UK, IT, G model:

40W/4 ohms

AUS model: 40W/8 ohms

(only in the DOLBY

SUR mode)

Rear:

STR-D665: 30 W/4 ohms

STR-D565: 20 W/4 ohms

Frequency

response

PHONO: RIAA equalization curve

±0.5 dB

CD, TAPE/MD, VIDEO:

10 Hz - 50 kHz ±1 dB

Inputs

PHONO

(MM)

CD

Sensitivity Impedance

S/N (weighting network, input level)

74 dB kilohms 72 dB\*

(A, 2.5 mV)

STR-D665: 300 mV

STR-D565: 350 mV

2.5 mV

50

50

82 dB kilohms

TAPE/ STR-D665: MD, TV/ 200 mV

LD. STR-D565: VIDEO 250 mV

Outputs

**REC OUT VIDEO** (AUDIO) OUT:

Voltage 250 mV,

MIX AUDIO OUT (STR-

D665 only)

Voltage: 2 V

Impedance 10 kilohms

Impedance: 10 kilohms

Abbreviation

G : German model. : Italian model. IT

SP : Singapore model.

AUS: Australian model.

· For detailed Malaysia model, refer to SP model.

300 ohms, balanced 82 dB\* Mono: 18.3 dBf, 2.2 μV/ Sensitivity (A, 250 mV) 75 ohms Stereo: 38.3 dBf, 22.5 µV/ 75 ohms \* '78 IHF Usable sensitivity 11.2 dBf, 1 µV/75 ohms (IHF) S/N Mono: 76 dB Stereo: 70 dB Harmonic Mono: 0.3 % Stereo: 0.5 % distortion at 1 kHz - Continued on next page -



45 dB at 1 kHz Separation

Frequency

30 Hz - 15 kHz 3 dB

response

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range

531 - 1602 kHz

Antenna

Loop antenna

Usable sensitivity 50 dB/m (at 999 kHz)

S/N

54 dB (at 50 mV/m)

Harmonic

0.5 % (50 mV/m,

distortion

400 kHz)

Selectivity

Except E model: 35dB

E model:

At 9 kHz: 35dB At 10 kHz: 40dB

(E model ONLY)

You can change the AM tuning interval to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. Hold down the PRESET TUNING + button and press the POWER button. All preset stations will be erased when you change the interval. To reset the interval to 10 kHz or 9 kHz, repeat the procedure.

#### Video section

VIDEO, TV/LD: Inputs

1 Vp-p 75 ohms

Outputs

VIDEO MONITOR:

1 Vp-p 75 ohms

General

System Tuner section: PLL

quartz-locked digital synthesizer

system

Preamplifier section: Low-noise NF type

equalizer Power amplifier section: Purecomplimentary SEPP

Power requirements

AEP, UK, IT, G, SP model: 220 - 230 V AC, 50/60 Hz

AUS model

240V AC, 50/60 Hz

E model 120/220/240 V AC, 50/60 Hz

STR-D665: Power consumption

AEP, UK, SP model:

200 W

E, AUS model:

170 W

STR-D565: AEP, UK, IT, G, model:

160W

AUS model: 140W

AC outlet AEP, E, IT, G, AUS model:

Switched 100W

Dimensions Except E model:

> 430 x 135 x 300 mm (17 x 5 3/8 x 11 3/4 inches)

E model:

430 x 135 x 295 mm

Mass (Approx.) STR-D665

AEP, UK, IT, G, AUS model: 7.0 kg (15 lb 7 oz) E, SP model: 6.9 kg

STR-D565 6.2kg (13 lb 11 oz)

Supplied accessories FM wire antenna (1)

AM loop antenna (1) Remote commander (remote) (1) Size AA (R6)

batteries (2)

Design and specifications are subject to change without notice.

Abbreviation

G : German model. IT : Italian model. SP : Singapore model. AUS: Australian model.

· For detailed Malaysia model, refer to SP model.

#### TABLE OF CONTENTS

Sect	ion	Title	Page
SER	VICING NOTE		3
TES	T MODE		3
SEC	TION 1. GENERAL		4
SEC 2-1. 2-2. 2-3. 2-4. 2-5. 2-6.	Display and Tone Board Back Panel SP SW Board Main Board	Y  I  Id Video-Main Board	5 6 6
SEC 3-1. 3-2. 3-3. 3-4. 3-5. 3-6. 3-7.	Printed Wiring Board — Schematic Diagram — I Printed Wiring Board — Schematic Diagram — I IC Block Diagrams IC Pin Function	Main Section —	9 13 17 21
4-1. 4-2.	Chassis Section	/IEWS Section	29
SEC	TION 5. ELECTRICAL	PARTS LIST	31

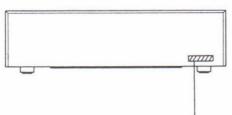
#### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK A 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 in Heiloo Holland

#### SERVICE NOTE

### MODEL IDENTIFICATION — BACK PANEL —



4-972-655-21: D665: AEP, G Model 4-972-655-31: D665: E Model 4-972-655-41: D665: SP Model 4-972-655-51: D665: UK Model 4-972-655-61: D665: AUS Model 4-972-658-21: D565: AEP, IT, G Model 4-972-658-31: D565: UK Model 4-972-658-41: D565: AUS Model

#### Abbreviation

G : German model.
IT : Italian model.
SP : Singapore model.
AUS : Australian model.

 For detailed Malaysia model, refer to SP model.

#### PROTECT MODE

"PROTECT" will be displayed on the FL display when the amplifier is faulty or when the connectors between boards have disconnected, etc.

In the case of faulty connection, connect all the connectors of the unit again, and turn on the power. The protection will be canceled.

#### How to avoid the "PROTECT" mode disconnecting VOL BOARD

Short-circuit between MAIN BOARD and TP SV, and turn on the power.

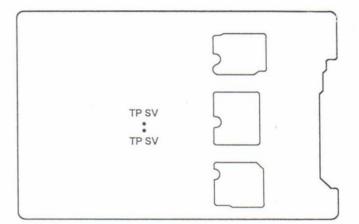
In this case, the circuit of the MAIN BOARD does not operate, but that of the DISPLAY BOARD operates.

Disconnect the connected read line afterwards.

#### **TEST POINT LOCATION:**

#### [MAIN BOARD]

- CONDUCTOR SIDE -



#### TEST MODE

#### **FL CHECK MODE**

- 1. Turn off the power supply.
- 2. While pressing preset buttons 6, 7 and 8, turn on the power.
- All the FL displays light up (Fig. 1.), after one second some light up several times, and "END" will be displayed.
- 4. Turn off the power.

**NOTE:** The preset memory will be erased if the FL CHECK MODE is performed. Therefore, note down the memory contents beforehand and set the preset memory again as before after completely this mode.

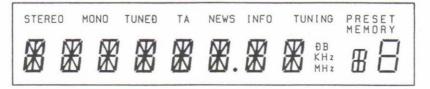
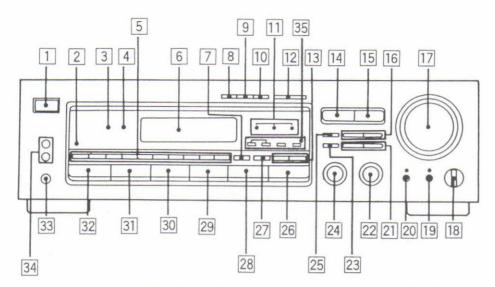


Fig. 1. When All FL Displays are Lit

### SECTION 1 GENERAL

#### Front Panel



- 1 POWER switch
- 2 Remote sensor
- 3 VIDEO indicator
- 4 TV/LD indicator
- 5 Numeric buttons
- 6 Display window
- 7 DIRECT button
- 8 BAND button
- 9 FM MODE button
- 10 MEMORY button
- 11 SUR MODE indicator
- 12 TUNING +/- button

- 13 PRISET TUNING button
- 14 SURROND ON/OFF button
- 15 SURROND MODE button
- 16 CENTER LEVEL +/- button
- 17 MASTER VOLUME control
- 18 BALANS control
- 19 BASS BOOST button
- 20 MUTING -20dB button
- 21 REAR LEVEL #/- button
- 22 TREBLE control
- 23 DELAY TIME button
- 24 BASS control

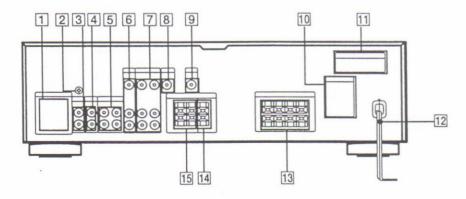
- 25 CENTER MODE button
- 26 PHONO button
- 27 SHIFT button
- 28 TUNER button
- 29 CD button
- 30 TAPE/MD button
- 31 TV/LD button
- 32 VIDEO button
- 33 PHONES jack
- 34 SPEAKERS A/B button
- 35 RDS buttons

(for AEP, UK, IT, G model)

**Rear Panel** 

**ILLUSTRATION:** E model

www.freeservicemanuals.info



- Abbreviation
- G : German model. IT : Italian model.
- SP : Singapore model.
- AUS : Australian model.
- For detailed Malaysia model, refer to SP model.

- 1 ANTENNA (AM/FM)
- 2 h ground terminal
- 3 PHONO
- 4 CD
- 5 TAPE/MD

- 6 TV/LD
- 7 VIDEO
- 8 MONITOR
- 9 MIX AUDIO OUT (STR-D665 only)
- 10 SWITCHED AC OUTLET (Except for UK model)
- 11 VOLTAGE SELECTOR

(for E model)

Published in Heiloo Holland
— 4 —

- 12 AC power cord
- 13 FRONT SPEAKERS (A/B)
- 14 SURROUND SPEAKERS (CENTER)
- 15 SURROUND SPEAKERS (REAR)

Front panel

6 Knob (VOL)

2-2. DISPLAY AND TONE BOARD

2-1. CASE AND FRONT PANEL

Note: Follow the disassembly procedure in the numerical order given.

Four claws

Three screws -

(BVTT3x8)

1 Two screws —

(CASE M3x8)

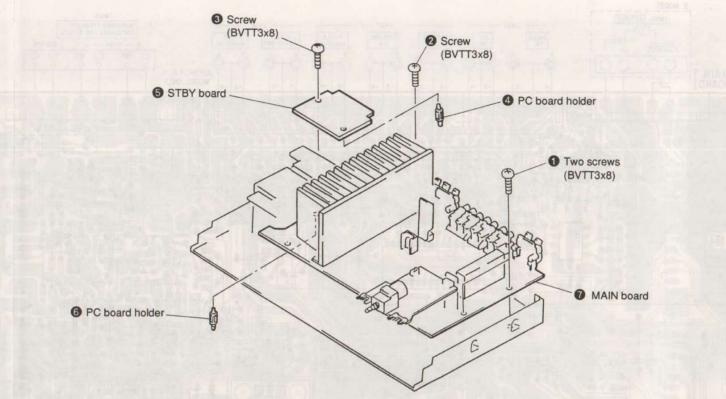
(CASE M3x8)

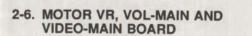
2 Two screws (CASE M3x8)

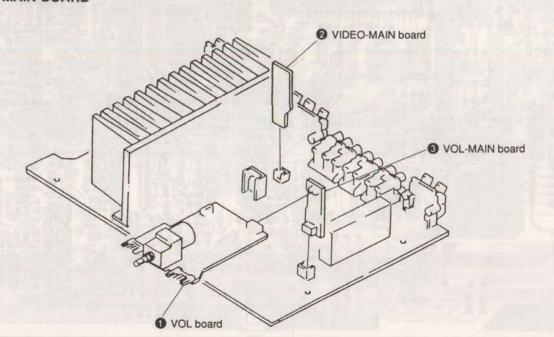
 Flat type wire (CNS204)

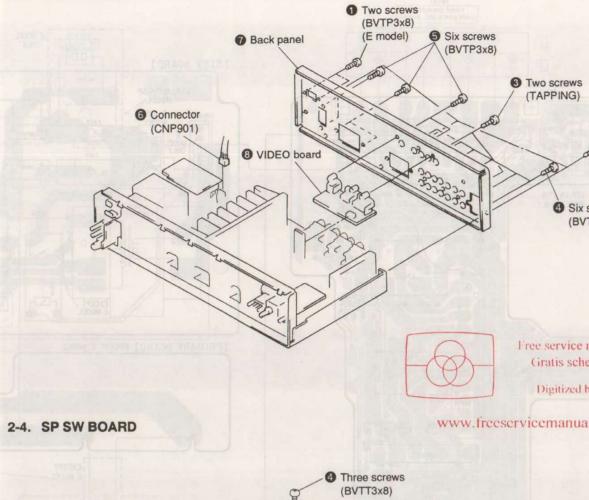
2-3. BACK PANEL

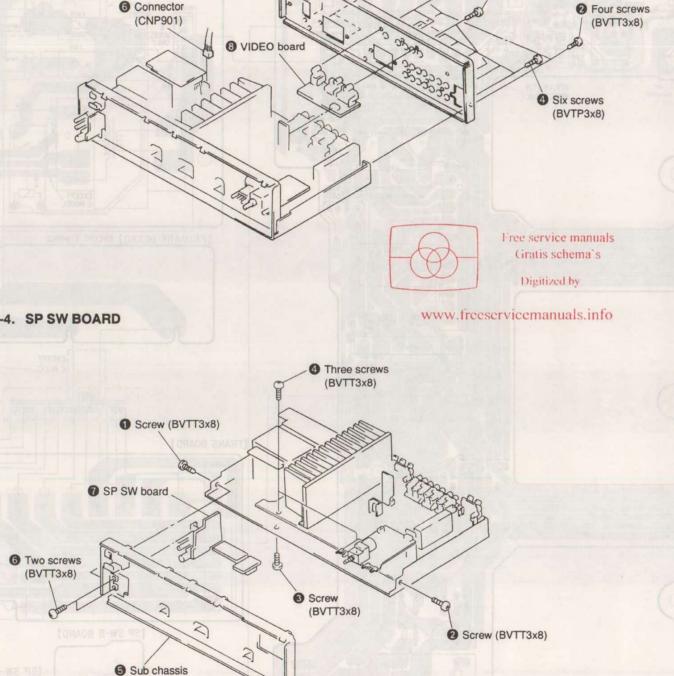
2-5. MAIN BOARD



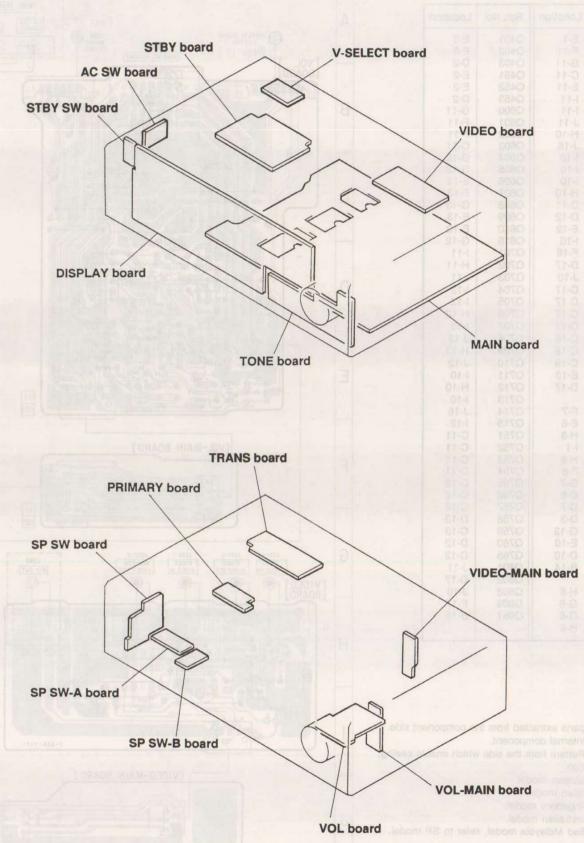






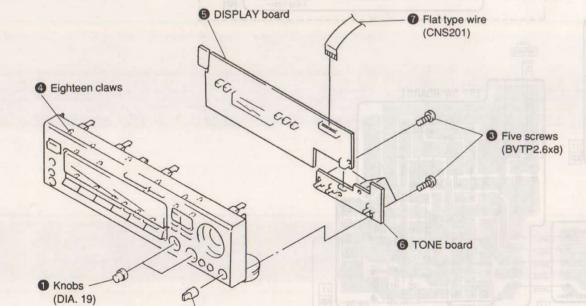


3-1. CIRCUIT BOARDS LOCATION



SECTION 3

DIAGRAMS



Published in Heiloo Holland

**-7-**

#### 3-2. PRINTED WIRING BOARD — MAIN SECTION — · See page 8 for Circuit Boards Location.

Semiconductor Location

Ref. No.	Location	Ref. No.	Location	
D421 D600 D601 D602 D603 D701 D702 D703 D704 D706 D707 D708 D709 D710 D751 D752 D753 D801 D802 D803 D804 D810 D811 D812 D813 D814 D815 D816 D817 D818	E-1 F-11 G-11 C-11 E-11 I-11 I-11 I-10 I-10 I-10 I-10 I-10 I	Q401 Q402 Q403 Q451 Q452 Q453 Q600 Q601 Q602 Q603 Q604 Q605 Q606 Q607 Q608 Q609 Q610 Q615 Q701 Q702 Q703 Q704 Q705 Q706 Q707 Q708 Q709 Q710 Q711 Q712	E-3 E-3 D-2 E-2 E-2 G-11 F-11 F-11 C-12 G-12 F-13 G-13 E-12 G-12 F-11 H-11 I-12 I-12 I-13 J-13 J-13 H-10 H-10	
IC1 IC2 IC251 IC252 IC300 IC301 IC302 IC401 IC402 IC404 IC651 IC801 IC802 IC950 Q305 Q305 Q306 Q307 Q308	F-7 E-6 H-3 I-1 H-8 F-8 G-7 C-8 C-7 D-3 G-13 E-10 D-10 B-14 H-6 G-6 G-6 H-6	Q713 Q714 Q715 Q751 Q752 Q753 Q754 Q755 Q756 Q757 Q758 Q759 Q760 Q765 Q801 Q802 Q808 Q809 Q951	J-16 J-16 I-12 C-111 C-111 D-12 C-12 C-13 D-13 C-13 D-12 C-12 J-11 J-10 F-17 B-15	

· o- : parts extracted from the component side.

\( \Delta \) : internal component.

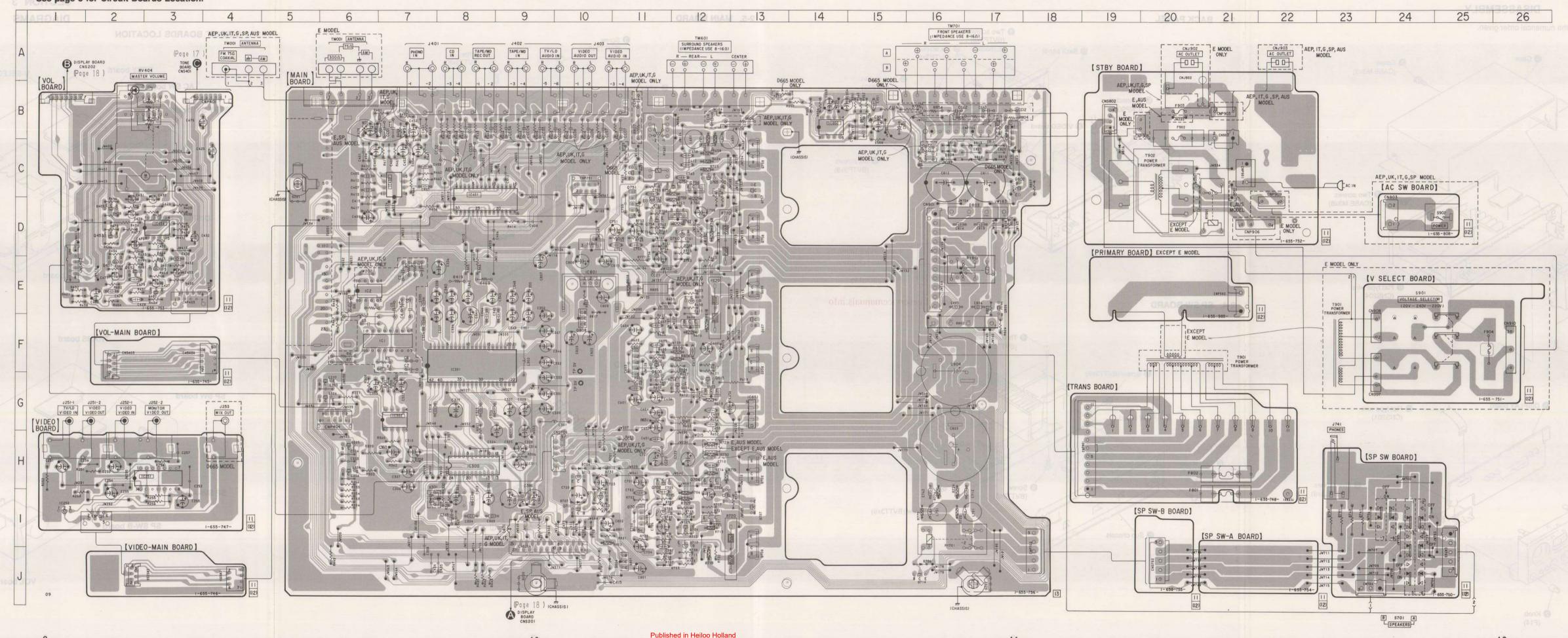
Pattern from the side which enable seeing.

IT : Italian model.

SP : Singapore model.

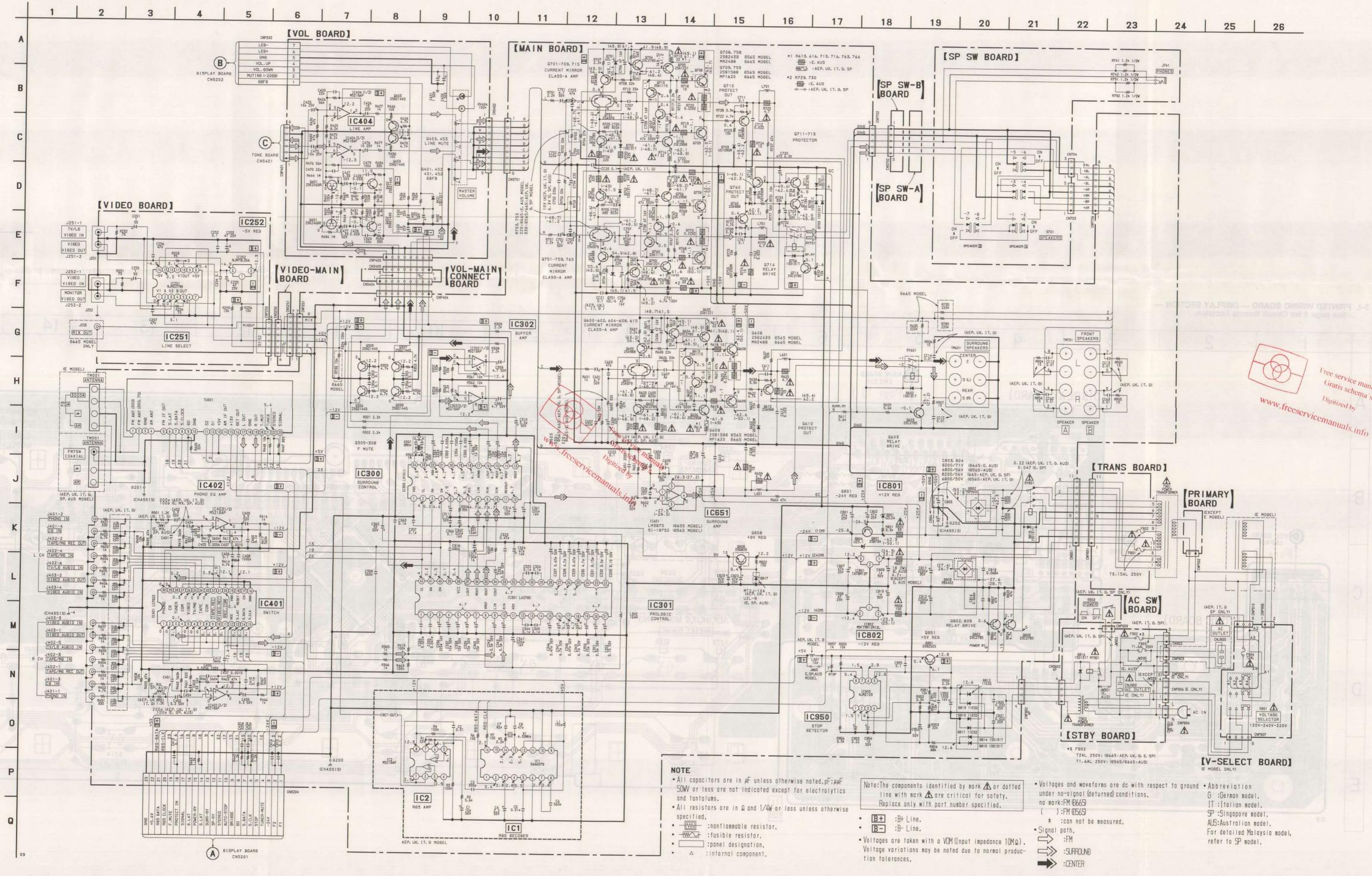
AUS : Australian model.

· For detailed Malaysia model, refer to SP model.



-11-

**— 12 —** 



-13-

**— 14 —** 

Published in Heiloo Holland

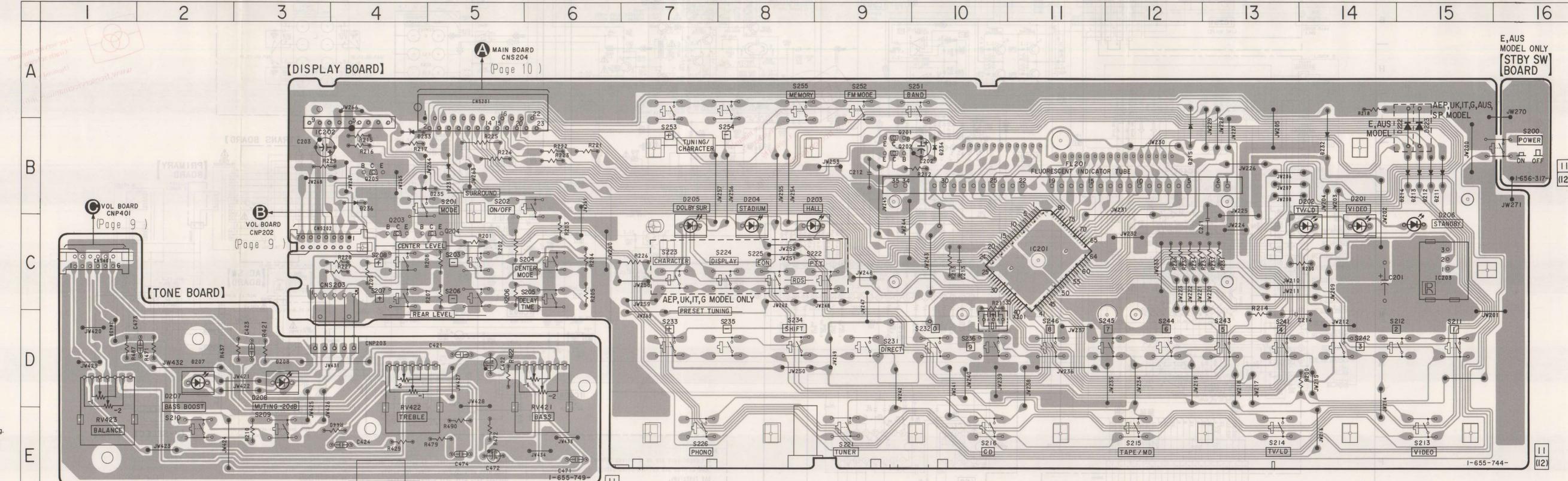
**— 15 —** 

— 16 —

3-4. PRINTED WIRING BOARD — DISPLAY SECTION —
• See page 8 for Circuit Boards Location.

 Semiconductor Location Ref. No. Location D201 D202 D203 D204 D205 D206 D207 D208 D211 D212 D213 D214 D215 D222 D223 D231 D232 D233 D234 D235 D236 IC201 IC202 IC203 C-11 B-3 C-15 Q201 B-9 Q202 B-9 Q203 C-4 Q204 C-5 Q205 B-4

- o— : parts extracted from the component side.
- parts extracted from the conductor side.
   Δ : internal component.
- Pattern from the side which enable seeing. Abbreviation
- G : German model. IT : Italian model.
- SP : Singapore model. AUS : Australian model.
- · For detailed Malaysia model, refer to SP model.



**— 17 —** 

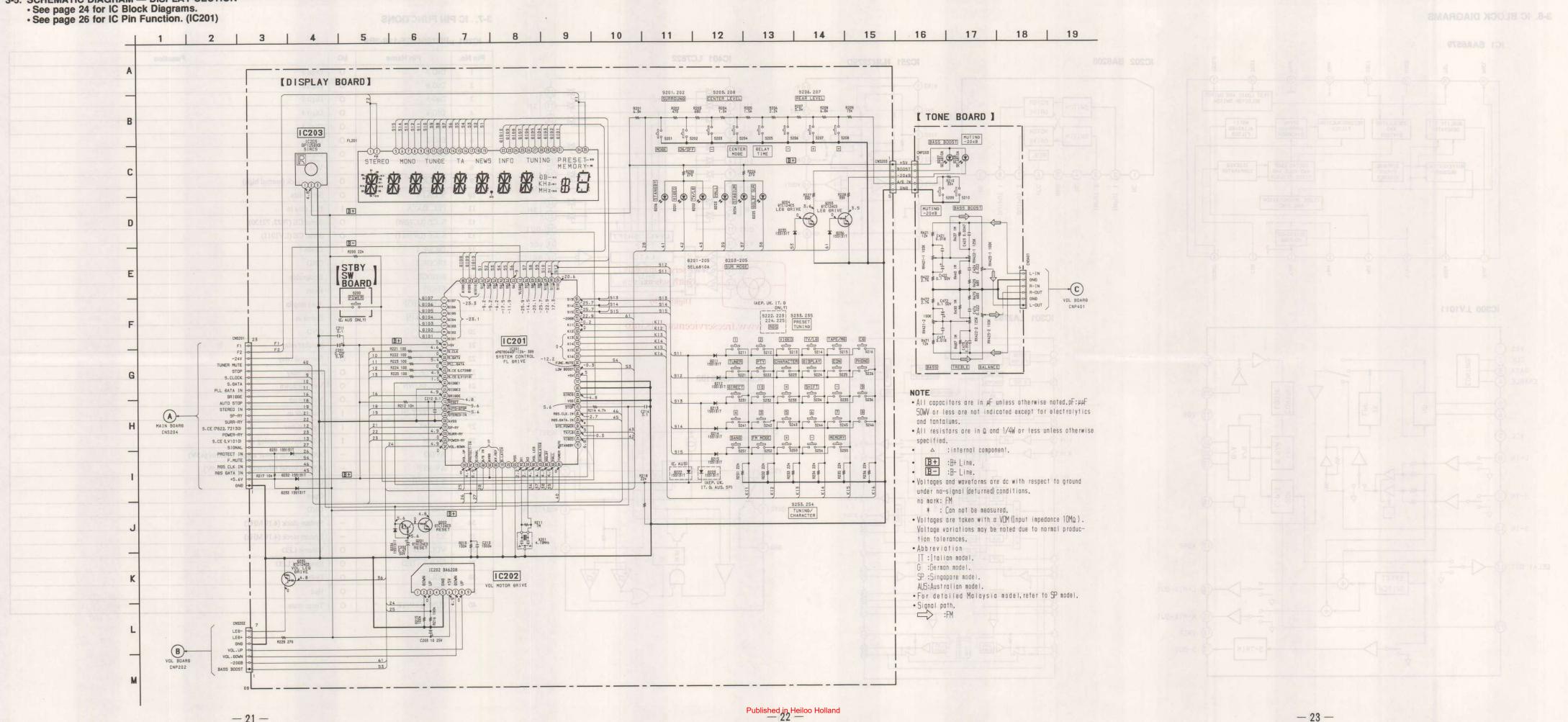
-18-

Published in Heiloo Holland

-19-

**— 20 —** 

STR-D565/D665



- 21 -

25 IN

**P** (1)

21)

(20) DUT

(19) VDD

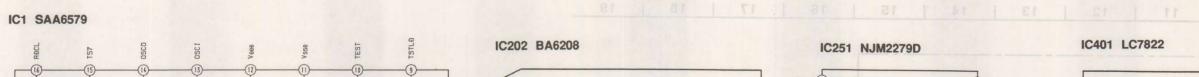
16 vss

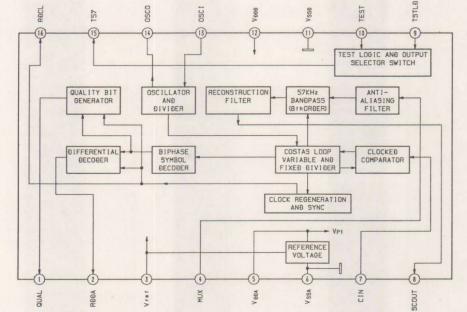
-(18) RESET

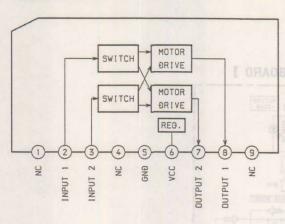
#### 3-7. IC PIN FUNCTIONS

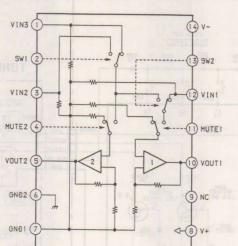
#### • IC201 μPD78044GF-126-3B9

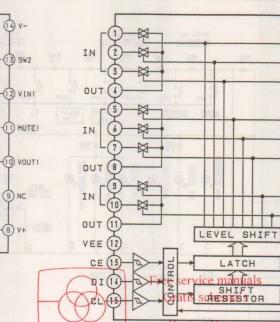
Pin No.	Pin Name	I/O	Function	
1	DIG 7	0	Digit 7	A
2	DIG 6	0	Digit 6	
3	DIG 5	0	Digit 5	
4	DIG 4	0	Digit 4	
5	DIG 3	0	Digit 3	8
6	DIG 2	0	Digit 2	
7	DIG 1	0	Digit 1	
8	+5V	_	Vdd	
9	S. CLK	0	Serial clock (normal high)	
10	S. DATA	0	Serial data	
11	PLL. DATA	I	PLL data in	
12	S. CE (LC7288)	0	Serial CE (7822, 72130)	a
13	S. CE (LV1011)	0	Serial CE (LV1011)	
14	DIODE 1	I I	Diode 1	-
15	DIODE 2	Vard.	GND	
16	BRIDGE	0	Bridgeable	3
17	RESET	I I	Reset	
18	AUTO-STOP	I	Auto stop in	
19	STEREO-IN	Tan I am I	Stereo in	
20	AVSS	778	GND	
21	SP-RY	0	Speaker relay	
22	SURR-RY	0	Surround relay	
23	POWER-RY	0	Power relay	la la
24	VOL. DOWN	0	Volume down	
25	VOL. UP	0	Volume up	-
26	PROTECT-IN	I	Protector in	
27	SIGNAL	I	Signal meter	H
28	A/D IN	I	A/D converter analog in	
29	AVDD	-	A/D converter power supply terminal (+5V)	
30	AV. REF		A/D converter reference voltage (+5V)	
31	S. LATCH	-	GND	
32			Open	
33	VSS	-	GND	
34	XI O	-	System clock (4.19 MHz)	
35	X2	-	System clock (4.19 MHz)	
36	VOL LED	0	Volume LED	
37	SIMULATED	0	Simulated LED	
38	DOLBY	0	Dolby	D)
39	HALL	0	Hall	
40	TUNER MUTE	0	Tuner mute	

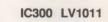


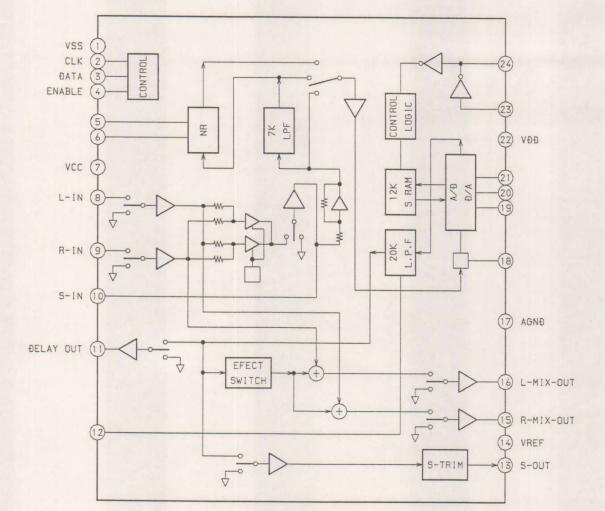


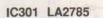


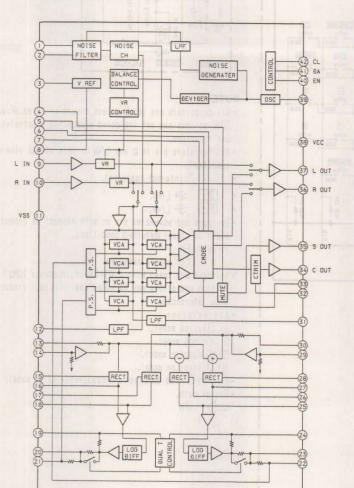






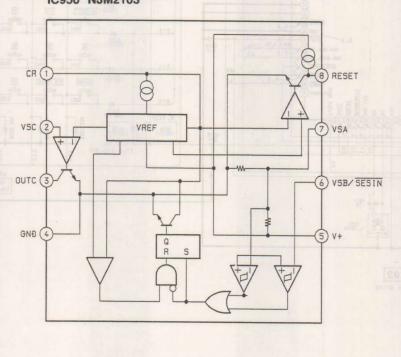






### IC950 NJM2103

www.freeservicemanuals.info



Pin No.	Pin Name	I/O	Function	
41	STANDBY	0	Standby LED (not used open)	
42	VIDEO	0	Video LED	
43	TV/LD	0	TV/LD LED	
44	SYS. POWER	I	System power in	
45	RDS. DATA. IN	I	RDS data in (not used open)	
46	RDS. CLK. IN	I	RDS clock in (not used open)	
47	STOP	I	Stop	
48	VSS	_	GND	
49	SIRCS	I	Sircs input	
50		_	GND	
51		_	GND	
52	+5V	_	Vdd	
53	LOW BOOST	0	Low boost on/off	
54	FUNC MUTE	0	Function mute Free service manuals	
55	K16	I	Key in 6 Gratis schema's	
56	KI5	I	Key in 5 Digitized by	
57	KI4	I	Key in 4	
58	KI3	I	Key in 3 Www.freeservicemanuals.info	
59	KI2	I	Key in 2	
60	KI1	I	Key in 1	
61	-20 dB	0	-20 dB mute	
62	S15	0	Segment 15/key out 1	
63	S14	0	Segment 14/key out 2	
64	S13	0	Segment 13/key out 3	
65	S12	0	Segment 12/key out 4	
66	S11	0	Segment 11/key out 5	
67	S10	0	Segment 10	
68	S9	0	Segment 9	
69	S8	0	Segment 8	
70	S7	0	Segment 7	
71	VLOAD	_	FIP pull down resistor	
72	S6	0	Segment 6	
73	S5	0	Segment 5	
74	S4	0	Segment 4	
75	S3	0	Segment 3	
76	S2	0	Segment 2	
77	S1	0	Segment 1	
78	DIG 10	0	Digit 10	
79	DIG 9	0	Digit 9	
80	DIG 8	0	Digit 8	

### SECTION 4 EXPLODED VIEWS

#### NOTE:

- 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

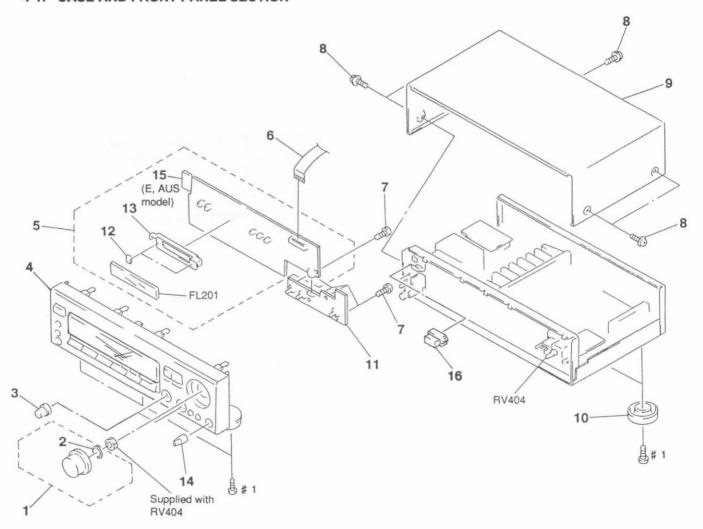
G : German model SP : Singapore model AUS : Australian model

For detailed Malaysia model, refer to SP model

The components identified by mark  $\triangle$  or dotted line with mark  $\triangle$  are critical for safety.

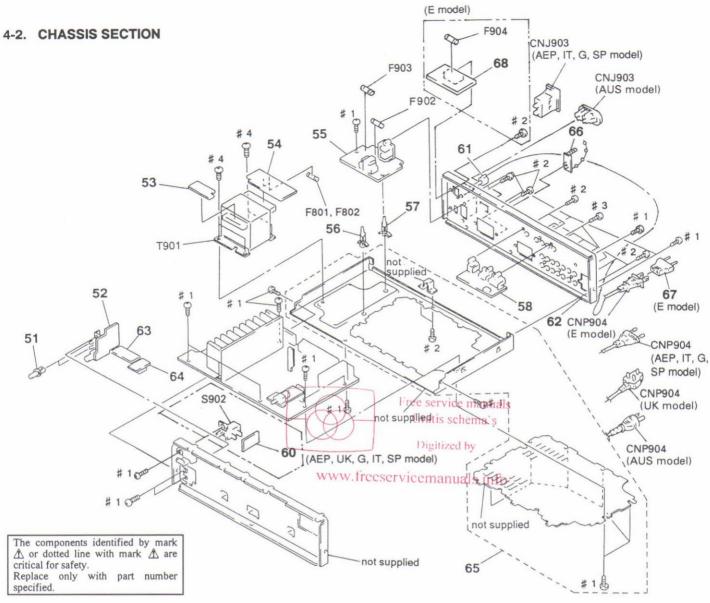
Replace only with part number specified.

#### 4-1. CASE AND FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1 2 3 4 4	3-350-426-01 4-943-420-01 X-4946-314-1	KNOB (VOL) ASSY SPRING, RING KNOB (DIA. 19) PANEL ASSY, FRONT (D665:AUS, E) PANEL ASSY, FRONT (D565:AUS)		6 7 8 9	4-951-620-01 3-704-366-01 4-929-294-11	WIRE (FLAT TYPE) (23 CORE) SCREW (2.6X8), +BVTP SCREW (CASE) (M3X8)  CASE (AEP, IT, G, UK) CASE (E, AUS, SP)	
4 4 4 * 5	X-4945-821-1 X-4946-315-1	PANEL ASSY, FRONT (D665:AEP, UK, G) PANEL ASSY, FRONT (D565:AEP, IT, G, PANEL ASSY, FRONT (D665:SP) DISPLAY BOARD, COMPLETE (AUS)	UK)	10 * 11 * 12	X-3369-843-1 1-655-749-11	FOOT ASSY (F58175S)	
* 5 * 5 * 5	A-4377-673-A	DISPLAY BOARD, COMPLETE (D665:E)  DISPLAY BOARD, COMPLETE (AEP, IT, GDISPLAY BOARD, COMPLETE (SP)	, UK)	* 13 14 15 16	4-957-383-01	STBY SW BOARD (E, AUS)	

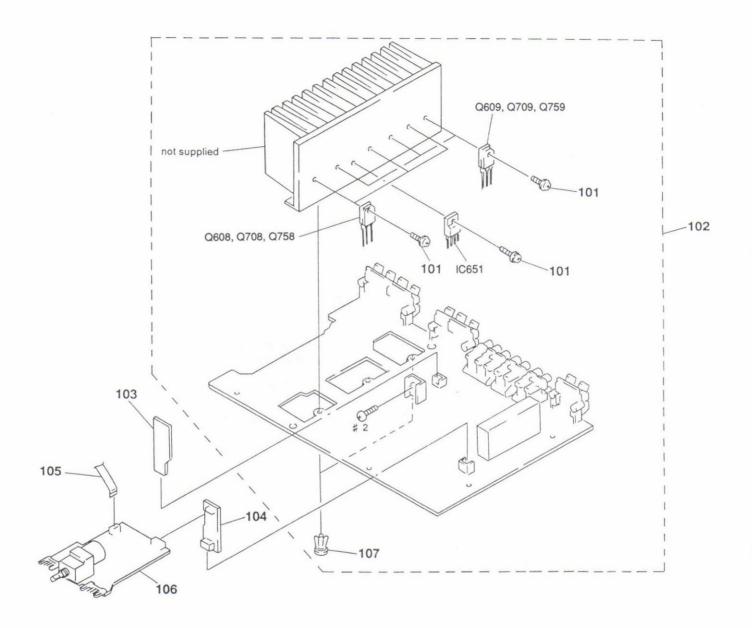
www.freeservicemanuals.info 17/7/2016



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51 * 52 * 53	4-951-801-01 1-655-750-11 1-655-985-11			<b>△67</b> * 68		ADAPTER, CONVERSION 2P (D665:E) V-SELECT BOARD (D665:E)	
* 54 * 55	1-655-748-11 1-655-752-11	TRANS BOARD		<b>△CNJ903</b>	1-251-078-11 1-526-794-11 1-575-653-11	OUTLET, AC (AUS) OUTLET, AC (AEP, IT, G, SP) CORD. POWER (E)	
* 56 * 57 * 58	4-924-098-31 1-655-747-11			<b>⚠</b> CNP904	1-696-847-11	CORD, POWER (AUS) CORD, POWER (UK)	
* 60 61	3-703-244-00	ACSW BOARD (D665:AEP, UK, IT, G, SP) BUSHING, CORD (EXCEPT E)		<b>⚠</b> F801 <b>⚠</b> F802	1-532-237-00 1-532-237-00	CORD, POWER (AEP, IT, G, SP) FUSE, TIME LAG (T3. 15AL 250V) FUSE, TIME LAG (T3. 15AL 250V)	
61 * 62 * 62 * 62	4-972-655-21 4-972-655-31	BUSHING (S) (4516), CORD (E) PANEL, BACK (D665:AEP, G) PANEL, BACK (D665:E) PANEL, BACK (D665:SP)		<u>↑</u> F902 <u>↑</u> F902	1-532-203-00 1-532-259-00	FUSE (T2AL, 250V) (D665:AEP, UK, G, F FUSE, TIME LAG (T1.6AL, 250V) (D565/D6	E, SP) 665:AUS)
* 62	4-972-655-51	PANEL, BACK (D665:UK)		<b>↑</b> F903 <b>↑</b> F904	1-532-259-00 1-532-203-00	FUSE (T1. 6AL 250V) (AEP, IT, G, SP) FUSE (T2AL, 250V) (E)	
* 62 * 62	4-972-658-21	PANEL, BACK (D665:AUS) PANEL, BACK (D565:AEP, IT, G)		<b></b> ∆S902	1-572-267-21	SWITCH, PUSH (AC POWER) (1 KEY) (AEP, 1	T, G, SP)
* 62 * 62 * 63	4-972-658-41	PANEL, BACK (D565:UK) PANEL, BACK (D565:AUS) SPSW-A BOARD		<b>↑</b> T901 <b>↑</b> T901		TRANSFORMER, POWER (D665:E) TRANSFORMER, POWER (D665:AEP, UK, C	G, SP)
* 64 * 65 66	A-4361-389-A	SPSW-B BOARD CHASSIS ASSY BAND, PLUG FIXED		↑T901 ↑T901 ↑T901	1-427-877-11	TRANSFORMER, POWER (D665:AUS) TRANSFORMER, POWER (D565:AEP, IT, C TRANSFORMER, POWER (D565:AUS)	G, UK)
		(D565:UK, AUS/D665:	UK, AUS)				

17/7/2016

#### 4-3. MAIN SECTION



Ref. No.	Part No.	<u>Description</u> <u>Remark</u>	Ref. No.	Part No.	Description	Remark
101 * 102 * 102 * 102	A-4377-668-A A-4377-671-A A-4377-675-A	SCREW (TRANSISTOR) MAIN BOARD, COMPLETE (D665:AUS) MAIN BOARD, COMPLETE (D665:E) MAIN BOARD, COMPLETE (D665:AEP, UK, G)	IC651 Q608 Q608	8-759-085-89 8-749-010-25 8-729-020-52	TRANSISTOR MN2488-OPY-M (D665 TRANSISTOR 2SD2439-OPY (D565)	
* 102	Transport (Name	MAIN BOARD, COMPLETE (D565:AUS)	Q609 Q609	8-749-010-26 8-729-020-48	TRANSISTOR 2SB1588-OPY (D565)	
* 102 * 102 * 103 * 104	A-4378-563-A 1-655-746-11	MAIN BOARD, COMPLETE (D565:AEP, IT, G, UK) MAIN BOARD, COMPLETE (D665:SP) VIDEO-MAIN BOARD VOL-MAIN BOARD	Q708 Q708 Q709	8-749-010-25 8-729-020-52 8-749-010-26	TRANSISTOR 2SD2439-OPY (D565)	
105		WIRE (FLAT TYPE) (9 CORE) (D565/D665:AEP, UK, G, AUS, E)	Q709 Q758 Q758	8-729-020-48 8-749-010-25 8-729-020-52	TRANSISTOR MN2488-OPY-M (D665	)
* 106 107	A-4377-525-A 4-812-134-51	VOL BOARD, COMPLETE RIVET (DIA. 3.5), NYLON (D665:AEP, UK, G, SP)	Q759 Q759	8-749-010-26 8-729-020-48	TRANSISTOR MP1620-OPY-M (D665	)

## SECTION 5 ELECTRICAL PARTS LIST

AC SW DISPLAY

NOTE:

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

When indicating parts by reference number, please include the board name. • 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 delayervice COMSals should be anticipated when ordering these items, ratis schemau. H

RESISTORS
 All resistors are in ohms
 METAL: Metal-tilm resistor
 METAL OXIDE: Metal Oxide-film resistor

METAL OXIDE: Metal Oxide-film F: nonflammable

• 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 : μF

Abbreviation
 Gy : German model
 IT : Italian model
 SP : Singapore model

www.freeservicemanualsin: Australian model
For detailed Malaysia model, refer to SP model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Descript	ion Remark
*	1-655-808-11	AC SW BOARD (AEP, UK, IT, G, SP)					CONNECTOR (PC BOARD) 7P DR, BOARD TO BOARD 5P
		< SWITCH >				< DIODE	>
<u></u> \$902	1-572-267-21	SWITCH, PUSH (AC POWER)(1 KEY) (AEP, UK, I	T, G, SP)	D201 D202	8-719-313-72 8-719-313-72		SEL3810A-CD (VIODE) SEL3810A-CD (TV/LD)
******	******	*********	******	D203 D204 D205	8-719-313-72 8-719-313-72 8-719-313-72	LED	SEL3810A-CD (HALL) SEL3810A-CD (STADIUM) SEL3810A-CD (DOLBY SUR)
*	A-4377-666-A	DISPLAY BOARD, COMPLETE (AUS)		D206	8-719-313-48		SEL6210S-TH12 (STANDBY)
*	A-4377-669-A	DISPLAY BOARD, COMPLETE (D665:E)		D211	8-719-815-85 8-719-987-63		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
*	A-4377-673-A	DISPLAY BOARD, COMPLETE (AEP, IT, G	, UK)	D212	8-719-815-85		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G)
		***************************************	100000000000000000000000000000000000000	D212	8-719-987-63		1N4148M (D565:AUS/D665:AUS, E, SP)
*	A-4378-560-A	DISPLAY BOARD, COMPLETE (SP)		D213	8-719-815-85 8-719-987-63		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
*		CUSHION (FL) HOLDER (FL TUBE)		D214	8-719-815-85		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G)
		< CAPACITOR >		D214 D215	8-719-987-63 8-719-815-85		1N4148M (D565:AUS/D665:AUS, E, SP) 1S1585
C201 C202	1-104-905-11 1-124-465-00		5. 5V 50V	D215	8-719-987-63	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
C203 C211	1-126-096-11 1-164-159-11	ELECT 10uF 20% CERAMIC 0.1uF	35V 50V	D222 D223	8-719-987-63 8-719-815-85	DIODE	1N4148M (E, AUS) 1S1585 (AEP, UK, IT, G)
C211	1-164-159-21	(D565:AUS/D665:AU CERAMIC 0.1uF (D565:AEP, IT, G, UK/D665:AE	50V	D223 D231	8-719-987-63 8-719-815-85		1N4148M (AUS, SP) 1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G)
C212	1-164-159-11	CERAMIC 0.1uF	50V	D231	8-719-987-63		1N4148M (D565:AUS/D665:AUS, E, SP)
C212	1-164-159-21	(D565:AUS/D665:AU CERAMIC 0.1uF (D565:AEP, IT, G, UK/D665:AE	50V	D232	8-719-815-85 8-719-987-63		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
C213 C214	1-162-294-31 1-164-159-11	CERAMIC 0.001uF 10%	50V 50V	D233	8-719-815-85		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G)
C214	1-164-159-21		50V	D233	8-719-987-63 8-719-815-85		1N4148M (D565:AUS/D665:AUS, E, SP)
		(D565:AEP, IT, G, UK/D665:AE  < CONNECTOR >	or, un, u)	D234	8-719-815-85		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
CNS20	1 1-766-036-11	CONNECTOR, FFC (LIF (NON-ZIF)) 23	3P	D235	8-719-815-85		1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G)



Ref. No.	Part No.	Descript	ion		Remark	Ref. No.	Part No.	Descrip	tion		Remark
D235 D236	8-719-987-63 8-719-815-85		1N4148M (D565: 1S1585	:AUS/D665:	AUS, E, SP)	R214	1-249-425-11	CARBON	4.7K	5% 1/4W	F
D200	0 110 010 00	DIODE	(D565:AEP, IT, C	G, UK/D665:	AEP, UK, G)	R215 R216	1-249-441-11 1-249-441-11		100K 100K		
D236	8-719-987-63	DIODE	1N4148M (D565:	:AUS/D665:	AUS, E, SP)	R217 R218	1-249-429-11 1-247-863-91	CARBON	10K	5% 1/4W 5% 1/4W	
		< FLUORE	ESCENT INDICATO	OR >		R218	1-249-433-11		(D565:AEP, IT, G		P, UK, G)
FL201	1-517-141-11	INDICATO	OR TUBE, FLUORE	ESCENT			1 210 100 11	Oli Libori		AUS/D665:AU	S, E, SP)
		< IC >				R221 R222	1-247-807-31 1-247-807-31			5% 1/4W 5% 1/4W	
IC201	8-759-347-90	IC 11PD	78044GF-126-3E	89		R223	1-247-807-31			5% 1/4W	
	8-759-962-08		3208	101 -1-6 (01)		R224	1-247-807-31			5% 1/4W	
			117700100000000000000000000000000000000			C127-20-1-1					
1C2U3	8-749-923-11		U58XB			R225	1-247-807-31			5% 1/4W	
		< TRANSI	STOR >			R226	1-249-410-11			5% 1/4W	
						R227	1-249-412-11	CARBON		5% 1/4W	
Q201	8-729-029-40	TRANSIST	FOR DTA124ESA	A		R228	1-249-412-11	CARBON	390	5% 1/4W	F
			(D565: AEP, IT, C	G, UK/D665:	AEP, UK, G)	R229	1-249-410-11	CARBON	270	5% 1/4W	F
Q201	8-729-900-63	TRANSIST		:AUS/D665:	AUS, E, SP)	R230	1-249-410-11	CARBON	270	5% 1/4W	F
Q202	8-729-029-86	TRANSIST	OR DTC124ESA (D565: AEP, IT, C		AEP, UK, G)	R231	1-247-863-91	CARBON	22K (D565: AEP, IT, G	5% 1/4W LUK/D665:AE	P. UK. G)
Q202	8-729-900-36	TRANSIST	TOR DTC124ES	:AUS/D665:		R231	1-249-433-11	CARBON	22K	5% 1/4W AUS/D665:AU	
Q203	8-729-029-86	TRANSIST		A		R232	1-247-863-91	CARBON		5% 1/4W	
			(,,	.,,	,, .,	R232	1-249-433-11	CARBON		5% 1/4W	1,011,07
Q203	8-729-900-36	TRANSIST		:AUS/D665:	AUS E SP)	R233	1-247-863-91		(D565:	AUS/D665:AU 5% 1/4W	S, E, SP)
Q204	8-729-029-86	TRANSIST		A		I NEGO	1 247 000 01	Childon	(D565:AEP, IT, G	The same of the sa	P, UK, G)
Q204	8-729-900-36	TRANSIST	TOR DTC124ES			R233	1-249-433-11	CARBON		5% 1/4W AUS/D665:AU	C E CD)
Q205	8-729-029-86	TRANSIST		A		R234	1-247-863-91	CARBON		5% 1/4W	
Q205	8-729-900-36	TRANSIST	TOR DTC124ES			R234	1-249-433-11	CARBON	22K	5% 1/4W AUS/D665:AU	
		< RESIST		. 103/ 0003 .	100, E, OI)	R235	1-247-863-91	CARBON		5% 1/4W	
R200	1-247-863-91		22K	5% 1/4	w	R235	1-249-433-11	CARBON	22K	5% 1/4W	
K200	1-247-003-91	CARDON							(D202:	AUS/D665:AU	5, E, 5P)
R200	1-249-433-11	CARBON		5% 1/4	W	R236	1-247-863-91	CARBON		5% 1/4W	
				:AUS/D665:					(D565: AEP, IT, G		P, UK, G)
R201	1-249-427-11	CARBON	6. 8K		W F	R236	1-249-433-11	CARBON		5% 1/4W	
R202	1-249-413-11	CARBON	470	5% 1/4	W F	1			(D565:	AUS/D665:AU	S, E, SP)
R203	1-249-415-11	CARBON	680	5% 1/4	W F			< SWITC	H >		
R204	1-249-417-11	CARBON	1K	5% 1/4	W F				200		
R205	1-249-419-11		1.5K		W F	S201	1-554-303-21	SWITCH	TACTILE (SURRO	NIND MODE)	
R206	1-249-421-11		2. 2K		WF	S202			TACTILE (SURRO	THE RESERVE OF THE PERSON NAMED IN COLUMN	
R207						77027733					
	1-249-423-11		3. 3K		W F	S203			TACTILE (CENTE		
R208	1-249-427-11		6. 8K		W F	S204 S205			TACTILE (CENTE TACTILE (DELAY		
R209	1-249-431-11		15K	5% 1/4				-			
R211	1-247-903-00		1M	5% 1/4		S206			TACTILE (REAR		
R212	1-249-429-11		10K	5% 1/4		S207			TACTILE (REAR		
R213	1-249-441-11	CARBON	100K	5% 1/4	W	S208	1-554-303-21	SWITCH,	TACTILE (CENTE	ER LEVEL +)	





Ref. No.	Part No.	Descript	tion	Remark	Ref. No.	Part No.	Descripti	ion	Remark
S211 S212	1-554-303-21 1-554-303-21				*	A-4377-668-A		RD, COMPLETE (D665:A	CONTRACT OF THE PARTY OF THE PA
S213	1-554-303-21	SWITCH,	TACTILE (VIDEO) TACTILE (TV/LD)		*	A-4377-671-A		RD, COMPLETE (D665:E	
S214 S215 S216	1-554-303-21 1-554-303-21	SWITCH,	TACTILE (TAPE/MD) TACTILE (CD)		*	A-4377-675-A	MAIN BOAH	RD, COMPLETE (D665:A	AEP, UK, G)
S221			TACTILE (TUNER)		*	A_4277_679_A		**************************************	
S222 S223			TACTILE (RDS PTY) (D565:AEP, IT, G, UK/D665:A TACTILE (CHARACTER)	AEP, UK, G)	•	A-4311-016-A		**************	
S224			(D565:AEP, IT, G, UK/D665:/ TACTILE (DISPLAY)		*	A-4377-679-A		RD, COMPLETE (D565:A	
S225	1-554-303-21	SWITCH,	(D565:AEP, IT, G, UK/D665:A TACTILE (RDS EON) (D565:AEP, IT, G, UK/D665:A		*	A-4378-563-A		RD, COMPLETE (D665:S	
S226			TACTILE (PHONO)	121, 011, 07		3-905-609-01			
S231 S232 S233	1-554-303-21	SWITCH,	TACTILE (DIRECT) TACTILE (0) TACTILE (PRESET TUNING	۲)				OIA. 3.5), NYLON(D565/ OIA. 3.5), NYLON	/D665:AUS, E) :AEP, UK, G, SP)
S234 S235	1-554-303-21	SWITCH,	TACTILE (SHIFT) TACTILE (PRESET TUNING			7-682-548-04	SCREW +B		, , , , , , , , ,
S236	1-554-303-21				C1	1-126-964-11	< CAPACI		0% 50V
S241 S242 S243	1-554-303-21 1-554-303-21 1-554-303-21	SWITCH,	TACTILE (3)		C2	1-120-904-11		(D565:AEP, IT, G, UK/D6	
S244	1-554-303-21				C3	1-162-288-31	CERAMIC		0% 50V
S245 S246 S251	1-554-303-21 1-554-303-21 1-554-303-21	SWITCH,			C4	1-124-925-11	ELECT	(D565: AEP, IT, G, UK/D6 2. 2uF 20 (D565: AEP, IT, G, UK/D6	0% 100V
S252 S253	1-554-303-21	SWITCH,	TACTILE (FM MODE) TACTILE (TUNING/CHARACT	ER +)	C5	1-162-306-11	CERAMIC		0% 16V
S254 S255	1-554-303-23	SWITCH,	TACTILE (TUNING/CHARACT TACTILE (MEMORY)	ER -)	C6	1-162-291-31	-	560PF 10 (D565:AEP, IT, G, UK/D6	0% 50V 665:AEP, UK, G)
5200	1 001 000 1	< VIBRA			C7	1-164-068-11	CERAMIC	82PF 55 (D565:AEP, IT, G, UK/D6	% 50V 665:AEP, UK, G)
X201	1-577-101-1	VIBRATO	DR, CERAMIC (4.19MHz)		C8 C302	1-164-062-11 1-124-120-11		47PF 55 (D565:AEP, IT, G, UK/DG 220uF 20	
*****	*********	******	(iratis schema's	******	C302	1-126-934-11	ELECT	(D565:AUS/D	665:AUS, E, SP) 0% 16V
			Digitized by		C303 C304	1-130-489-00 1-137-365-11	FILM	0.0015uF 5	
	WV	vw.free	eservicemanuals.info		C305	1-130-489-00 1-130-489-00		(D565:AU	% 50V S/D665:AUS, E) % 50V
					C306	1-124-903-11	(D5	565:AEP, IT, G, UK/D665	
					C307	1-124-907-11	ELECT		0% 50V 0665: AUS, E, SP)
					C307	1-126-964-11	ELECT		20% 50V



Ref. No.	Part No.	Descrip	tion Remar	k Ref. No.	Part No.	Descript	ion	Remark
C308	1-124-907-11	ELECT	10uF 20% 50V (D565:AUS/D665:AUS, E, SF	C337	1-126-964-11	ELECT	10uF 20% (D565:AEP, IT, G, UK/D665	50V 5:AEP, UK, G)
C308	1-126-964-11		10uF 20% 50V (D565:AEP, IT, G, UK/D665:AEP, UK, G	) C338	1-124-907-11	ELECT	10uF 20%	50V
C310	1-126-111-11	ELECT	3. 3uF 20% 50V (D565:AEP, IT, G, UK/D665:AEP, UK, G	C338	1-126-964-11	ELECT	(D565:AUS/D665 10uF 20% (D565:AEP, IT, G, UK/D665	50V
C310	1-126-962-11	ELECT	3. 3uF 20% 50V (D565:AUS/D665:AUS, E, SF	C339	1-124-907-11	ELECT	10uF 20% (D565:AUS/D665	50V
C311	1-124-925-11	ELECT	2. 2uF 20% 100V	C339	1-126-964-11	ELECT	10uF 20%	50V
C316	1-124-907-11		10uF 20% 50V (D565:AUS/D665:AUS, E, SF 10uF 20% 50V	) C340	1-124-907-11	ELECT	(D565: AEP, IT, G, UK/D665 10uF 20%	50V
C316	1-126-964-11	ELECI	(D565:AEP, IT, G, UK/D665:AEP, UK, G				(D565:AUS/D665	: AUS, E, SP)
C317	1-104-665-11	ELECT	100uF 20% 16V (D565:AUS/D665:AUS, E, SF		1-126-964-11		10uF 20% (D565:AEP, IT, G, UK/D665	
C317	1-126-933-11	ELECT	100uF 20% 16V	C341	1-124-120-11	ELECT	220uF 20% (D565:AUS/D665	25V 5:AUS, E, SP)
C318	1-137-363-91	FILM	(D565:AEP, IT, G, UK/D665:AEP, UK, C 680PF 5% 50V	) C341	1-126-934-11	ELECT	220uF 20% (D565:AEP, IT, G, UK/D665	16V
C322	1-126-111-11		3. 3uF 20% 50V	C342	1-126-111-11	FIFCT	3. 3uF 20%	
			(D565:AEP, IT, G, UK/D665:AEP, UK, C	)			(D565:AEP, IT, G, UK/D665	5:AEP, UK, G)
C322 C323	1-126-962-11 1-136-173-00		3.3uF 20% 50V (D565:AUS/D665:AUS, E, SF 0.47uF 5% 50V	C342	1-126-962-11	ELECT	3. 3uF 20% (D565: AUS/D665	50V 5:AUS, E, SP)
C020	1 100 110 00	LILM	0.4101 000	C343	1-126-962-11	ELECT	3. 3uF 20%	50V
C324	1-104-664-11	ELECT	47uF 20% 16V (D565:AUS/D665:AUS, E, SF		1-126-111-11		(D565:AUS/D665 3.3uF 20%	
C324	1-126-967-11	ELECT	47uF 20% 16V (D565:AEP, IT, G, UK/D665:AEP, UK, C	) C344	1-136-165-00	FILM	(D565: AEP, IT, G, UK/D665 0. 1uF 5%	5:AEP, UK, G) 50V
C325	1-136-165-00	FILM	0. 1uF 5% 50V	C345	1-136-165-00		0. 1uF 5%	50V
C326	1-136-165-00		0. 1uF 5% 50V	C346	1-124-902-00		0. 47uF 20%	50V
C327	1-124-902-00		0. 47uF 20% 50V					
0000	1 104 007 11	DI DOM	4.7.7. 000 1007	C347	1-124-927-11	ELECT	4. 7uF 20%	100V
C328	1-124-927-11		4.7uF 20% 100V (D565:AEP, IT, G, UK/D665:AEP, UK, C 4.7uF 20% 50V	) C347	1-126-963-11	ELECT	(D565: AEP, IT, G, UK/D665 4. 7uF 20%	50V
C320	1-126-963-11	ELECT	(D565: AUS/D665: AUS, E, SF	) C348	1-124-902-00	ELECT	(D565:AUS/D665 0.47uF 20%	50V
C329	1-124-902-00	ELECT	0.47uF 20% 50V	C349	1-124-927-11	ELECT	4. 7uF 20%	100V
C330	1-124-927-11	ELECT	4. 7uF 20% 100V				(D565: AEP, IT, G, UK/D665	S: AEP, UK, G)
C330	1-126-963-11	ELECT	(D565:AEP, IT, G, UK/D665:AEP, UK, C 4. 7uF 20% 50V (D565:AUS/D665:AUS, E, SF		1-126-963-11	ELECT	4. 7uF 20% (D565:AUS/D665	50V
			,	C350	1-124-250-11	ELECT	0.15uF 20%	50V
C331	1-124-250-11	ELECT	0.15uF 20% 50V	C351	1-126-111-11		3. 3uF 20%	50V
C332	1-126-111-11	ELECT	3. 3uF 20% 50V (D565:AEP, IT, G, UK/D665:AEP, UK, C	) C351	1-126-962-11		(D565:AEP, IT, G, UK/D665 3. 3uF 20%	5:AEP, UK, G) 50V
C332	1-126-962-11	ELECT	3. 3uF 20% 50V				(D565:AUS/D665	5: AUS, E, SP)
Cana	1 104 050 11	PLECT	(D565: AUS/D665: AUS, E, SF		1-124-250-11		0. 15uF 20%	50V
C333 C334	1-124-250-11 1-137-372-11		0.15uF 20% 50V 0.022uF 5% 50V	C353	1-164-159-11	CERAMIC	0. 1uF (D565:AUS/D665	50V 5:AUS, E, SP)
C335	1-136-161-00	FILM	0.047uF 5% 50V	C353	1-164-159-21	CERAMIC	0. 1uF	50V
C336	1-124-120-11		220uF 20% 25V	V			(D565:AEP, IT, G, UK/D665	5:AEP, UK, G)
C336	1-126-934-11	ELECT	(D565:AUS/D665:AUS, E, SF 220uF 20% 16V		1-164-159-11	CERAMIC	0. 1uF (D565:AUS/D665	50V 5:AUS, E, SP)
C337	1-124-907-11	ELECT	(D565:AEP, IT, G, UK/D665:AEP, UK, C 10uF 20% 50V	) C354	1-164-159-21	CERAMIC	0. 1uF (D565:AEP, IT, G, UK/D665	50V 5:AEP, UK, G)
			(D565: AUS/D665: AUS, E, SF	) C355	1-164-159-11	CERAMIC	0. 1uF (D565:AUS/D665	50V



Ref. No.	Part No.	Descript	ion Rem	nark	Ref. No.	Part No.	Descript	ion		Remark
C355	1-164-159-21	CERAMIC	0. 1uF 50V (D565:AEP, IT, G, UK/D665:AEP, UK	(, G)	C407 C408	1-137-365-11 1-162-294-31		0.0015uF 0.001uF	5% 10%	50V 50V
C356	1-164-159-11	CERAMIC	0. 1uF 50V (D565:AUS/D665:AUS, E,	SP)	C409	1-126-111-11	ELECT	3. 3uF (D565:AEP, IT, G, UK)	20%	50V
C356	1-164-159-21	CERAMIC	0. 1uF 50V		C409	1-126-962-11	ELECT	3. 3uF	20%	50V
C357	1-164-159-11	CERAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK 0. 1uF 50V (D565:AUS/D665:AUS, E,		C410	1-164-159-11	CERAMIC	(D565: AUS) 0. 1uF (D565: AUS)		50V
C357	1-164-159-21	CERAMIC	0. 1uF 50V		C410	1-164-159-21	CERAMIC	0. luF		50V
C358	1-162-291-31	CERAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK 560PF 10% 50V	(, ()	C412	1-162-291-31	CERAMIC	(D565:AEP, IT, G, UK) 560PF	10%	50V (EP, UK, G)
C359	1-124-927-11	ELECT	4. 7uF 20% 100V		C413	1-164-159-11	CERAMIC			50V
C359	1-126-963-11	ELECT	(D565:AEP, IT, G, UK/D665:AEP, UK 4. 7uF 20% 50V (D565:AUS/D665:AUS, E,		C413	1-164-159-21	CERAMIC	(D565:AUS/ 0. 1uF (D565:AEP, IT, G, UK/		50V
C360	1-124-927-11	ELECT	4. 7uF 20% 100V (D565:AEP, IT, G, UK/D665:AEP, UK	1	C415	1-164-159-11	CERAMIC	0. 1uF		50V
C360	1-126-963-11	ELECT	4. 7uF 20% 50V (D565:AUS/D665:AUS, E,		C415	1-164-159-21	CERAMIC	(D565:AUS/ 0.1uF (D565:AEP, IT, G, UK/		50V
C361	1-124-120-11	ELECT	220uF 20% 25V (D565:AUS/D665:AUS, E,		C416	1-164-159-11	CERAMIC	0. 1uF (D565: AUS/		50V
C361	1-126-934-11	ELECT	220uF 20% 16V (D565:AEP, IT, G, UK/D665:AEP, UK	(G)	C416	1-164-159-21	CERAMIC	0. 1uF (D565:AEP, IT, G, UK/	DCCE.	50V
C362	1-124-120-11	ELECT	220uF 20% 25V		C434	1-162-286-21	CERAMIC	220PF	10%	50V
C362	1-126-934-11	ELECT	(D565:AUS/D665:AUS, E, 220uF 20% 16V (D565:AEP, IT, G, UK/D665:AEP, UK		C434	1-162-286-31	CERAMIC	(D565:AEP, IT, G, UK/ 220PF (D565:AUS/	10%	50V
C363	1-164-159-11	CERAMIC	0. 1uF 50V		C435	1-162-286-21		220PF	10%	50V
C363	1-164-159-21	CERAMIC	(D565:AUS/D665:AUS, E, 0. 1uF 50V (D565:AEP, IT, G, UK/D665:AEP, UK		C435	1-162-286-31		(D565:AEP, IT, G, UK/ 220PF (D565:AUS/	10%	50V
C365	1-126-966-11		33uF 20% 50V		C451	1-162-286-21			10%	50V
C366 C401	1-164-159-21 1-162-286-21		0. 1uF 50V 220PF 10% 50V		C451	1-162-282-31		(D565:AEP, IT, G, UK/ 100PF	10%	50V
C401	1-162-282-31	CERAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK 100PF 10% 50V (D565:AUS/D665:AUS, E,		C452	1-126-111-11		(D565:AUS/ 3. 3uF	20%	50V
C402	1-126-111-11	ELECT	3. 3uF 20% 50V (D565:AEP, IT, G, UK/D665:AEP, UK		C452	1-126-962-11		(D565: AEP, IT, G, UK/ 3. 3uF	20%	50V
C402	1-126-962-11	ELECT	3. 3uF 20% 50V	1, 0)	C453	1-104-663-11	ELECT	(D565:AUS/ 33uF (D565:AUS/	20%	16V
C403	1-104-663-11	ELECT	(D565:AUS/D665:AUS, E, 33uF 20% 16V	SP)	C453	1-126-966-11	FIFCT	33uF	20%	16V
			(D565:AUS/D665:AUS, E,	SP)				(D565:AEP, IT, G, UK/	D665:A	EP, UK, G)
C403	1-126-966-11		33uF 20% 16V (D565:AEP, IT, G, UK/D665:AEP, UK	(, G)	C454	1-162-286-21		220PF (D565:AEP, IT, G, UK/	10% D665:A	EP, UK, G)
C404	1-162-286-21	CERAMIC	220PF 10% 50V (D565:AEP, IT, G, UK/D665:AEP, UK	(, G)	C454	1-162-282-31	CERAMIC	100PF (D565:AUS/	10% D665:A	50V US, E, SP)
C404	1-162-282-31	CERAMIC	100PF 10% 50V (D565:AUS/D665:AUS, E,	SP)	C455 C457	1-137-459-11 1-137-365-11		0.0056uF		100V 50V
C405 C406	1-137-459-11 1-164-159-11		1-10-00564Rcc5%nanud00V		C459	1-126-111-11		3. 3uF (D565:AEP, IT, G, UK/	20%	50V
C406	1-164-159-21	4)	(D565:AUS/D665:AUS, E, 0. luf 50V (D565:AEP, IT, G, UK/D665:AEP, UK		C459	1-126-962-11		3. 3uF (D565:AUS/	20%	50V

www.freeservicemanuals.info

Ref. No.	Part No.	Descript	tion Remark	Ref. No.	Part No.	Descript	tion		Remark
C460	1-164-159-11	CERAMIC	0.1uF 50V (D565:AUS/D665:AUS, E, SP)	C702	1-164-077-11	CERAMIC	220PF	10%	50V
C460	1-164-159-21	CERAMIC		C703	1-162-215-31	CERAMIC	47PF	5%	50V
			(D565:AEP, IT, G, UK/D665:AEP, UK, G)	C704	1-104-666-11		220uF	20%	6. 3V
C601	1-124-927-11	ELECT	4. 7uF 20% 100V				(D565:AUS	/D665:/	
			(D565:AEP, IT, G, UK/D665:AEP, UK, G)	C704	1-126-923-11	ELECT	220uF	20%	10V
CC01	1 190 000 11	PLECT	4 7P 200 FOU	0705	1 104 004 11	CDDIMIC	(D565: AEP, IT, G, UK		
C601	1-126-963-11	ELECI	4. 7uF 20% 50V (D565: AUS/D665: AUS, E, SP)	C705 C706	1-164-084-11 1-104-664-11			10%	50V
C602	1-164-077-11	CERAMIC		C/06	1-104-004-11	ELECT	47uF (D565:AUS	20%	16V
C603	1-162-215-31						(0303.803	/ 0003.1	403, E, 3F)
C604	1-104-666-11	ELECT	220uF 20% 6.3V	C706	1-126-967-11	ELECT	47uF	20%	16V
			(D565:AUS/D665:AUS, E, SP)	100.000.00			(D565: AEP, IT, G, UK		
C604	1-126-923-11	ELECT	220uF 20% 10V	C707	1-164-039-11		3PF	0. 25PI	F 50V
			(D565: AEP, IT, G, UK/D665: AEP, UK, G)	C708	1-104-664-11	ELECT	47uF	20%	16V
C605	1-164-084-11	CEDAMIC	920DE 109 FOV	0700	1 196 067 11	PLECT	(D565:AUS		
C606	1-104-664-11		820PF 10% 50V 47uF 20% 16V	C708	1-126-967-11	ELECT	47uF (D565: AEP, IT, G, UK	20%	16V
0000	1 104 004 11	LLLCI	(D565:AUS/D665:AUS, E, SP)	C710	1-162-815-11	CERAMIC	47PF	5%	500V
C606	1-126-967-11	ELECT	47uF 20% 16V	0110	1 102 010 11	CDITAMIC	1111	3/0	3001
			(D565:AEP, IT, G, UK/D665:AEP, UK, G)	C711	1-164-159-11	CERAMIC	0. 1uF		50V
C607	1-164-039-11		3PF 0. 25PF 50V				(D565:AUS	/D665:/	AUS, E, SP)
C608	1-104-664-11	ELECT	47uF 20% 16V	C711	1-164-159-21	CERAMIC	The state of the s		50V
			(D565:AUS/D665:AUS, E, SP)	0710			(D565: AEP, IT, G, UK		
C608	1-126-967-11	FIECT	47uF 20% 16V	C712 C720	1-137-372-11 1-126-935-11		0. 022uF	5%	50V
0000	1-120-301-11	ELECT	(D565:AEP, IT, G, UK/D665:AEP, UK, G)	C120	1-120-935-11	ELECT	470uF (D565:AEP, IT, G, UK	20% /D665 · /	6. 3V
C610	1-164-159-11	CERAMIC	0. 1uF 50V	C720	1-126-941-11	ELECT	470uF	20%	6. 3V
			(D565:AUS/D665:AUS, E, SP)				(D565:AUS		
C610	1-164-159-21	CERAMIC	0. 1uF 50V						,,
			(D565:AEP, IT, G, UK/D665:AEP, UK, G)	C721	1-124-927-11	ELECT	4. 7uF	20%	100V
C611	1-164-159-11	CERAMIC	0. 1uF 50V				(D565:AUS		
C611	1-164-159-21	CEDANIC	(D565:AUS/D665:AUS, E, SP) 0. 1uF 50V	C721	1-128-581-11	ELECT	4. 7uF	20%	100V
0011	1-104-135-21	CERAMIC	0. 1uF 50V (D565:AEP, IT, G, UK/D665:AEP, UK, G)	C722	1-124-927-11	FIFCT	(D565:AEP, IT, G, UK 4. 7uF	7D665:F 20%	100V
			(5000:7151; 11; 0; 017; 5000:7151; 01; 0)	0122	1 124 321 11	DDDCI	(D565:AUS		
C612	1-137-372-11	FILM	0.022uF 5% 50V	C722	1-128-581-11	ELECT	4. 7uF	20%	100V
C613	1-162-815-11						(D565: AEP, IT, G, UK	/D665:/	AEP, UK, G)
C651	1-164-077-11		220PF 10% 50V	C723	1-124-463-00	ELECT	0. 1uF	20%	50V
C652	1-124-927-11	ELECT	4. 7uF 20% 100V				100	2000000	
C652	1-126-963-11	DI DOT	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 4. 7uF 20% 50V	C751	1-124-927-11	ELECT	4. 7uF	20%	100V
0002	1 120 303 11	ELECT	(D565: AUS/D665: AUS, E, SP)	C751	1-126-963-11	FIFCT	(D565: AEP, IT, G, UK 4. 7uF	7D665: A 20%	
			(500011100) 500011100, 51, 61)	0101	1 120 300 11	DDDCI	(D565:AUS		
C653	1-164-070-11	CERAMIC	100PF 5% 50V	C752	1-164-077-11	CERAMIC	220PF	10%	50V
C654	1-124-443-00	ELECT	100uF 20% 10V	C753	1-162-215-31	CERAMIC	47PF	5%	50V
0051	1 100 000 11	DI DOM	(D565: AUS/D665: AUS, E, SP)	C754	1-104-666-11	ELECT	220uF	20%	6. 3V
C654	1-126-933-11	ELECT	100uF 20% 10V				(D565:AUS	/D665:A	AUS, E, SP)
C655	1-164-039-11	CERAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 3PF 0. 25PF 50V	C754	1_126_022_11	DI DOT	990P	200	107/
C656	1-124-927-11		4. 7uF 20% 100V	0154	1-126-923-11	ELECT	220uF (D565: AEP, IT, G, UK	20% /D665./	10V
0000	1 101 001 11	DDDOI	(D565: AEP, IT, G, UK/D665: AEP, UK, G)	C755	1-164-084-11	CERAMIC	820PF	10%	50V
			, , , , , , , , , , , , , , , , , , , ,	C756	1-104-664-11		47uF	20%	16V
C656	1-126-963-11	ELECT	4. 7uF 20% 50V				(D565:AUS		
00=0	1 107 070 1	DIII	(D565:AUS/D665:AUS, E, SP)	C756	1-126-967-11	ELECT	47uF	20%	16V
C658 C701	1-137-372-11		0. 022uF 5% 50V	Cara	1 164 000 11	CEDANTO	(D565: AEP, IT, G, UK		
0101	1-124-927-11	ELECT	4. 7uF 20% 100V (D565:AEP, IT, G, UK/D665:AEP, UK, G)	C757	1-164-039-11	CERAMIC	3PF	0. 25PF	5 50V
C701	1-126-963-11	ELECT	4. 7uF 20% 50V	C758	1-104-664-11	ELECT	47uF	20%	16V
		and the second second	(D565:AUS/D665:AUS, E, SP)				(D565:AUS		
							<del></del>		



Ref. No.	Part No.	Descript	ion			Remark	Ref. No.	Part No.	Descript	ion			Remark
C758	1-126-967-11	ELECT	(DEGE - A)	47uF EP, IT, G, UK	20%	16V	C812	1-124-618-11	ELECT		2200uF (D565:AUS)	20% /D665 · /	35V
C760 C761	1-162-815-11 1-164-159-11		(D303.A	47PF 0. 1uF	5%	500V 50V	C812	1-126-953-11	ELECT	2	2200uF P, IT, G, UK	20%	35V
C761	1-164-159-21	CERAMIC	(D565.A)	(D565:AUS) 0. 1uF EP, IT, G, UK		50V	C813 C814 C820	1-137-375-11 1-137-375-11 1-161-494-00	FILM	(	0. 068uF 0. 068uF 0. 022uF	5% 5%	50V 50V 25V
C762	1-137-372-11	FILM	(5000.11	0. 022uF	5%	50V	C821	1-161-494-00			0. 022uF		25V
C801	1-104-664-11		(D565:A)	47uF EP, IT, G, UK	20%	25V	C822	1-104-664-11		4	47uF P, IT, G, UK	20% /D665:/	25V
C801	1-124-477-11	ELECT	,	47uF (D565:AUS	20%	25V	C822	1-124-477-11	ELECT	4	47uF (D565:AUS)	20%	25V
C802	1-104-664-11	ELECT	(D565:A	47uF EP, IT, G, UK	20% /D665:A	25V AEP, UK, G)	C823	1-104-664-11	ELECT		47uF P, IT, G, UK	20% /D665:	25V AEP, UK, G)
C802	1-124-477-11	ELECT		47uF (D565:AUS	20% /D665:A	25V AUS, E, SP)	C823	1-124-477-11	ELECT		47uF (D565:AUS)	20% /D665:	25V AUS, E, SP)
C803	1-107-766-11	ELECT		8200uF	20% (D66	71V 65:AUS, E)	C950	1-126-942-61	ELECT		1000uF (D565:AUS	20% /D665:	16V AUS, E, SP)
C803	1-125-556-11	ELECT (BI	LOCK)	8200uF (D6	20%	56V UK, G, SP)	C950	1-126-952-11	ELECT	1	1000uF P, IT, G, UK	20%	16V
C803	1-128-506-11	ELECT		6800uF	20%	50V	C951	1-164-097-11			0. 022uF	004	50V
C803	1-128-591-11	FLECT		6800uF	65: AEP, 20%	IT, G, UK) 56V	C952 C953	1-124-903-11 1-124-464-11			luF ). 22uF	20% 20%	50V 50V
C804	1-107-766-11			8200uF		0565:AUS) 71V	C954	1-124-907-11			10uF	20%	50V
0001	1 101 100 11	DDDOI		020001		65: AUS, E)	C954	1-126-964-11			(D565:AUS		
C804	1-125-556-11	ELECT (BI	LOCK)	8200uF	20%	56V UK, G, SP)	C955	1-164-159-21		(D565:AEI	P, IT, G, UK 0. 1uF		
C804	1-128-506-11	ELECT		6800uF	20%	50V IT, G, UK)	CC01	1-162-282-31			100PF P, IT, G, UK	10% /D665	50V
C804	1-128-591-11	ELECT		6800uF	20%	56V D565:AUS)	CC02	1-162-282-31	CERAMIC		100PF P, IT, G, UK	10%	50V
C805	1-130-781-00		EP. IT. G.	0. 22uF UK, AUS/D66	10%	100V	CC03	1-162-282-31	CERAMIC		100PF	10%	50V
C805	1-137-420-11		21, 21, 0,	0. 047uF	10%	100V 665:E, SP)	CC04	1-162-282-31		(D565:AEI	P, IT, G, UK 100PF		
				0 00 D			2005		000111170		P, IT, G, UK		
C806	1-130-781-00	(D565:A)	EP, IT, G,	0. 22uF UK, AUS/D66			CC05	1-162-282-31		(D565:AEI	100PF P, IT, G, UK		
C806	1-137-420-11	FILM		0. 047uF	10% (De	100V 665:E, SP)	CC06	1-162-282-31	CERAMIC		100PF P, IT, G, UK	10% /D665:	50V AEP, UK, G)
C807	1-104-664-11	ELECT	(D565:A	47uF EP, IT, G, UK	20%	25V	CC07	1-162-282-31	CERAMIC		100PF	10%	50V AEP, UK, G)
C807	1-124-477-11	ELECT		47uF (D565:AUS	20% /D665:/	25V AUS, E, SP)	CC12	1-164-096-11	CERAMIC	0.0	luF	5	OV
C808	1-104-664-11	ELECT	(D565:A	47uF EP, IT, G, UK	20% /D665:/	25V AEP, UK, G)	CC13	1-164-096-11	CERAMIC	(D565:AEI			AEP, UK, G) OV
C808	1-124-477-11	ELECT		47uF	20%	25V	CC14	1-164-096-11	CERAMIC	0.0	1uF	5	AEP, UK, G) OV
C809	1-124-903-11	ELECT		(D565:AUS	20%	50V	CC15	1-164-096-11	CERAMIC	(D565:AEI	P, IT, G, UK luF		AEP, UK, G) OV
C810	1-124-903-11		Fr	etuPervice			30.0						AEP, UK, G)
C811	1-124-618-11			(2290µFsch (D565:AUS	120% S	35V	CC20	1-164-159-21	CERAMIC	0. 11			OV
C811	1-126-953-11	ELECT	(D565:A	2200uFzed EP, IT, G, UK	120%	35V	CC21	1-164-159-21	CERAMIC	(D565:AEI			AEP, UK, G) OV
		vivw.fr		icemanu									AEP, UK, G)

www.freeservicemanuals.info



R	ef. No.	Part No.	Descript	ion Remark	Ref. No.	Part No.	Descript	tion Remark
	CC22	1-164-159-21	CERAMIC	0. 1uF 50V	D708	8-719-815-85	DIODE	1S1585
	CC51	1-162-282-31	CERAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 100PF 10% 50V	D708	8-719-987-63	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
			1	(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D709	8-719-815-85	Service Control	1S1585
	CC52	1-162-282-31	CERAMIC	100PF 10% 50V	D700	0 710 007 00	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
	CC53	1-162-282-31	CERAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 100PF 10% 50V	D709 D710	8-719-987-63 8-719-815-85		1N4148M (D565:AUS/D665:AUS, E, SP) 1S1585
	0000	2 200 000 02	021111111	(D565:AEP, IT, G, UK/D665:AEP, UK, G)	1 2110	0 110 010 00	DIODE	101000
	CCEA	1 100 000 01	CEDANIC	100DE 100 FOV	D751	8-719-933-41		HZS6C3L
	CC54	1-162-282-31	CERAMIC	100PF 10% 50V (D565:AEP, IT, G, UK/D665:AEP, UK, G)	D752	8-719-815-85	DIODE	1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G)
	CC55	1-162-282-31	CERAMIC	100PF 10% 50V	D752	8-719-987-63	DIODE	1N4148M (D565:AUS/D665:AUS, E, SP)
	CCEC	1 100 000 01	CEDANIC	(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D753	8-719-815-85		1S1585
	CC56	1-162-282-31	CERAMIC	100PF 10% 50V (D565:AEP, IT, G, UK/D665:AEP, UK, G)	D801	8-719-002-33	DIODE	UZL-24L
	CC57	1-162-282-31	CERAMIC	100PF 10% 50V	D802	8-719-302-38	DIODE	RBV-602-01
				(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D803	8-719-025-03		RBA-402-SL
	CC62	1-164-096-11	CERAMIC	0. 01uF 50V	D804	8-719-010-38		UZ-5. 1BSB
				(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D810	8-719-024-99	DIODE	11ES2-NTA2B
	CC63	1-164-096-11	CERAMIC	0. 01uF 50V	D810	8-719-200-82	DIODE	(D565:AUS/D665:AUS, E, SP) 11ES2
	CC03	1 104 050 11	CLICAMIC	(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D010	0-713-200-62	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
								, , , , , , , , , , , , , , , , , , , ,
			< CONNEC	CTOR >	D811	8-719-024-99	DIODE	11ES2-NTA2B
	CNP251	1-770-494-21	CONNECTO	DR, BOARD TO BOARD 7P	D811	8-719-200-82	DIODE	(D565:AUS/D665:AUS, E, SP) 11ES2
				PR, BOARD TO BOARD 9P	5011	0 110 200 02	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
		1-750-388-11			D812	8-719-024-99	DIODE	11ES2-NTA2B
				INECTOR (PC BOARD) 8P INECTOR PIN(PC BOARD)4P	D812	8-719-200-82	DIODE	(D565:AUS/D665:AUS, E, SP) 11ES2
	CINT 002	1-110-415-11	r Lou, con	INCCION FIN(FC BOARD) 4F	0012	0-119-200-62	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
				OR, FFC(LIF(NON-ZIF))23P	D813	8-719-024-99	DIODE	11ES2-NTA2B
*	CNS701	1-764-914-11	CONNECTO	OR, FFC(LIF(NON-ZIF))9P				(D565:AUS/D665:AUS, E, SP)
			< DIODE	>	D813	8-719-200-82	DIODE	11ES2
					0010	0 110 200 02	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
	D600	8-719-815-85		151585	D814	8-719-815-85	DIODE	1S1585
	D600	8-719-987-63		(D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)	D814	8-719-987-63	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 1N4148M (D565:AUS/D665:AUS, E, SP)
	D600	8-719-933-41		HZS6C3L	D815	8-719-815-85		1S1585
	D602	8-719-815-85		1S1585	0010	0 113 013 03	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
				(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D815	8-719-987-63	DIODE	1N4148M (D565:AUS/D665:AUS, E, SP)
	D602	8-719-987-63	DIODE	1N4148M (D565:AUS/D665:AUS, E, SP)				
	D000	0 710 015 05	DIODE	101505	D817	8-719-001-30		UZL-9H3 (D565:AUS/D665:AUS, E, SP)
	D603	8-719-815-85		1S1585	D817	8-719-048-54	DIODE	MTZJ-10A
		8-719-933-41 8-719-815-85		HZS6C3L 1S1585	D818	8-719-815-85	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G) 1S1585
	DIOL	0 110 010 00		(D565:AEP, IT, G, UK/D665:AEP, UK, G)	D010	0 113 013 03	DIODE	(D565:AEP, IT, G, UK/D665:AEP, UK, G)
	D702	8-719-987-63		1N4148M (D565:AUS/D665:AUS, E, SP)	D818	8-719-987-63	DIODE	1N4148M (D565:AUS/D665:AUS, E, SP)
	D703	8-719-815-85	DIODE	1S1585				
	D704	8-719-815-85	DIODE	1S1585			< GROUND	TERMINAL >
	D704	8-719-815-85		1S1585	G200	1-537-770-21	TERMINAT	BOARD, GROUND
				(D565:AEP, IT, G, UK/D665:AEP, UK, G)	G201			BOARD, GROUND
	D706	8-719-987-63		1N4148M (D565:AUS/D665:AUS, E, SP)	G202			BOARD, GROUND
	D707	8-719-815-85		1S1585				
	D707	0_710_007_02		(D565: AEP, IT, G, UK/D665: AEP, UK, G)			< IC >	
	D707	8-719-987-63	DIODE	1N4148M (D565:AUS/D665:AUS, E, SP)	IC1	8-759-169-99	IC SAA	46579
						3 .00 100 00	LO OAN	(D565:AEP, IT, G, UK/D665:AEP, UK, G)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description			Remark
IC2	8-759-636-74		E.APD IIV C)	Q602 Q603	8-729-119-78 8-729-119-78		2SC2785-HFE 2SC2785-HFE		
10300	8-759-341-23	(D565:AEP, IT, G, UK/D66 IC LV1011	S: AEF, UK, U)	Q604	8-729-119-78		2SC2785-HFE		
	8-759-248-74			Q605	8-729-122-13		2SA1221-K		
	8-759-636-74	The state of the s		Q606	8-729-195-82	TRANSISTOR	2SC2958-L		
	8-759-805-14			Q607 Q608	8-729-141-30	TRANSISTOR IC MN2488-OPY	2SC3623A-LK		
	8-759-636-74 8-759-085-89			Q608	8-729-020-52		2SD2439-OPY (D	565)	
	8-759-502-33			Q609		IC MP1620-OPY	-	000)	
	8-759-287-58			Q609	8-729-020-48		2SB1588-OPY (D	565)	
IC802	8-759-604-45	IC M5F79M12L		Q610	8-729-140-82		2SA988-PAFAEA		
IC950	8-759-333-83	IC NJM2103D		Q615	8-729-119-76		2SA1175-HFE		
				Q701	8-729-620-18		2SA979-FG		
		< JACK >	1	Q702	8-729-119-78		2SC2785-HFE		
7.107	1 005 100 01	THOU DIN AD (DUONO (CD IN)		Q703	8-729-140-82	TRANSISTOR	2SA988-PAFAEA		
J401		JACK, PIN 4P (PHONO/CD IN)		Q704	8-729-119-78	TPANSISTOP	2SC2785-HFE		
J402	1-580-825-11	JACK, PIN 6P (TAPE/MD REC IN/OUT, TV/L	D AUDIO IN)	Q705	8-729-122-13		2SA1221-K		
J403	1_572_028_21	JACK, PIN 4P (AUDIO IN/OUT (V		Q706	8-729-195-82		2SC2958-L		
3403	1-373-020-21	(D565:AUS/D66	CARL CONTRACTOR CONTRACTOR	Q707	8-729-141-30		2SC3623A-LK		
J403	1-695-188-21	JACK, PIN 4P (AUDIO IN/OUT (V		Q708	8-729-020-52		2SD2439-OPY (D	565)	
3100	1 000 100 51	(D565: AEP, IT, G, UK/D66		4				/	
		, , , , , , , , , , , , , , , , , , , ,		Q708	8-749-010-25	IC MN2488-OPY	-M (D665)		
		< COIL >	1	Q709	8-749-010-26	IC MP1620-OPY	-M (D665)		
				Q709	8-729-020-48		2SB1588-OPY (D	565)	
L1	1-410-521-11			Q710	8-729-140-82		2SA988-PAFAEA		
		(D565: AEP, IT, G, UK/D66	65: AEP, UK, G)	Q711	8-729-119-78	TRANSISTOR	2SC2785-HFE		
L301	1-410-509-11			0712	0 720 140 02	TRANCICTOR	2CAOOO DAFAFA		
L302	1-410-509-11	TAIDUICTOR	e service mar	0712	8-729-140-82 8-729-140-84		2SA988-PAFAEA 2SC1841-PAFAEA		
L401	1-410-509-11	INDUCTOR 10uH (D565 AEP, IT, G, UK/D66	iratis schema	Q713 Q714	8-729-119-78		2SC2785-HFE	1	
L601	1_420_872_00	COTT ATD CODE		Q715	8-729-119-76		2SA1175-HFE		
1001	1 420 012 00	COIL, AIR COIL	Digitized by	Q751	8-729-620-18		2SA979-FG		
L651	1-420-872-00	COIL, AIR-CORE							
L701	1-420-872-00	COIL, AIR-CORE w. freeservice	cemanuals	in <b>Q7</b> 52	8-729-119-78		2SC2785-HFE		
L751	1-420-872-00	COIL, AIR-CORE		Q753	8-729-140-82		2SA988-PAFAEA		
				Q754	8-729-119-78		2SC2785-HFE		
		< TRANSISTOR >		Q755	8-729-122-13		2SA1221-K		
0005	0 700 141 00	TRANSFERD OCCOCOOL IV		Q756	8-729-195-82	TRANSISIOR	2SC2958-L		
Q305	8-729-141-30	TRANSISTOR 2SC3623A-LK (D565:AUS/D66	SS-AUS F SD)	Q757	8-729-141-30	TRANSISTOR	2SC3623A-LK		
Q305	8-729-922-37		70 . NOO, D, OI )	Q758		IC MN2488-OPY			
<b>Q</b> 303	0 123 322 01	(D565: AEP, IT, G, UK/D66	65: AEP. UK. G)	Q758	8-729-020-52		2SD2439-OPY (D	0565)	
Q306	8-729-141-30		,, .,	Q759		IC MP1620-OPY		/	
4000		(D565:AUS/D60	65: AUS, E, SP)	Q759	8-729-020-48	TRANSISTOR	2SB1588-OPY (D	0565)	
Q306	8-729-922-37	TRANSISTOR 2SD2144S-UVW							
		(D565:AEP, IT, G, UK/D6	65: AEP, UK, G)	Q760	8-729-140-82		2SA988-PAFAEA		
Q307	8-729-141-30			Q765	8-729-119-76		2SA1175-HFE		
		(D565:AUS/D6)	65: AUS, E, SP)	Q801	8-729-140-97		2SB734-34		
0005	0 700 000 07	TRANSFORM OCCUPATION		Q802	8-729-119-78		2SC2785-HFE		
Q307	8-729-922-37		CE. ADD III C	Q808	8-729-180-92	1KAN51510K	2SD809-K		
0200	9_720_141_20	(D565: AEP, IT, G, UK/D6) TRANSISTOR 2SC3623A-LK	oo:AEP, UK, G)	Q809	8-729-119-78	TRANSISTOD	2SC2785-HFE		
Q308	8-729-141-30	(D565:AUS/D6)	65.AUS F SP)	Q809 Q951	8-729-030-18		2SD2525		
Q308	8-729-922-37		oo.noo, E, or )	#00I	0 120 000-10	INTRODUCTOR	2002020		
<b>W</b> 300	0 120 022 01	(D565: AEP, IT, G, UK/D6	65:AEP, UK. G)						
Q600	8-729-140-82		,, ./						
Q601	8-729-620-18								
	NAME AND ADDRESS OF TAXABLE PARTY.								



Ref. No.	Part No.	Descript	ion			Remark	Ref. No.	Part No.	Descript	ion				Remark
		< RESIST	COR >				R417 R419	1-247-897-11 1-249-441-11			560K 100K		1/4W 1/4W	
R1	1-247-863-91	CARBON	22K		1/4W	>								
R2	1-249-426-11	CADDON	(D565:AEP, IT, 5.6K		665:AE 1/4W	P, UK, G)	100000000000000000000000000000000000000	1-249-418-11 1-249-418-11			1. 2K 1. 2K		1/4W 1/4W	
R2	1-249-420-11	CARDON	(D565: AEP, IT,			P IIK G)	R442	1-249-418-11			1. 2K		1/4W	
R3	1-249-441-11	CARBON	100K		1/4W	1,011,0)		1-249-416-11			820	5%	1/4W	
			(D565: AEP, IT,			P, UK, G)	R448	1-249-429-11			10K	5%	1/4W	
R4	1-249-441-11	CARBON	100K		1/4W									
			(D565: AEP, IT,				R449	1-247-863-91	CARBON		22K		1/4W	
R5	1-249-421-11	CARBON	2. 2K		1/4W		D/40	1 040 400 11	CADDOM	(D565:A			D665: AE	P, UK, G)
			(D565: AEP, IT,	G, UK/D	665:AL	P, UK, G)	R449	1-249-433-11	CARBON		22K	5%	1/4W D665:AU	C E CD)
R6	1-247-807-31	CARRON	100	5%	1/4W		R451	1-249-411-11	CARRON		330	5%	1/4W	5, E, SF)
110	1 241 001 01	Children	(D565: AEP, IT,			P. UK. G)	0.000	1-249-425-11			4. 7K		1/4W	F
R7	1-247-807-31	CARBON		5%	1/4W		R453	1-249-417-11			1K	5%	1/4W	
			(D565: AEP, IT,			P, UK, G)								
R300	1-247-903-00		1M	5%	1/4W		R454	1-249-417-11			1K	5%	1/4W	
R301	1-249-421-11		2. 2K		1/4W		R455	1-249-417-11			1K	5%	1/4W	
R302	1-249-421-11	CARBON	2. 2K	5%	1/4W	r	R456 R457	1-249-417-11 1-249-417-11			1K 1K	5% 5%	1/4W	
R304	1-249-441-11	CARRON	100K	5%	1/4₩		R457	1-249-429-11			10K	5%	1/4W 1/4W	Г
R306	1-249-436-11			5%	1/4W		1100	1 010 100 11	Childon		1011	070	1/ 111	
R307	1-249-432-11		18K		1/4W		R459	1-249-437-11	CARBON		47K	5%	1/4W	
R308	1-249-421-11	CARBON	2. 2K	5%	1/4W	F	R460	1-247-897-11	CARBON		560K	5%	1/4W	
R309	1-249-421-11	CARBON	2. 2K	5%	1/4W	F	R461	1-249-416-11			820	5%	1/4W	F
						_	R462	1-247-897-11			560K		1/4W	
R353	1-249-425-11		4.7K		1/4W		R463	1-249-437-11	CARBON		47K	5%	1/4W	
R354 R355	1-249-425-11 1-249-425-11		4. 7K 4. 7K		1/4W 1/4W		DAGG	1-249-417-11	CADDOM		1K	5%	1 /AW	P
R356	1-249-425-11		4. 7K		1/4W		R466 R467	1-247-897-11			560K		1/4W 1/4W	r
R357	1-249-441-11		100K		1/4W		R469	1-249-441-11			100K		1/4W	
					-,		R601	1-249-417-11			1K	5%	1/4W	F
R358	1-249-441-11	CARBON	100K		1/4W		R602	1-249-435-11	CARBON		33K	5%	1/4W	
R359	1-249-429-11		10K	5%	1/4W	_								
R360	1-249-421-11		2. 2K		1/4W		R603	1-249-409-11	CARBON		220	5%	1/4W	
R361 R362	1-249-429-11 1-249-429-11		10K 10K	5% 5%	1/4W 1/4W		R603	1-249-411-11	CAPRON		330	5%	1/4W	:AUS, E)
11302	1 245 425 11	Childon	1011	370	1/4#		1000	1-245-411-11	CARDON				5: AEP, U	K G SP)
R363	1-249-411-11	CARBON	330	5%	1/4W		R604	1-249-434-11	CARBON		27K	5%	1/4W	11, 0, 01 )
R365	1-249-417-11		1K	5%	1/4W	F	R605	1-249-415-11			680	5%	1/4W	F
R366	1-249-417-11	CARBON	1K	5%	1/4W	F	<b></b> ♣R606	1-249-409-11	CARBON		220	5%	1/4W	
R401	1-249-411-11			5%	1/4W									
R402	1-249-425-11	CARBON	4. 7K	5%	1/4₩	F	R607	1-249-421-11			2. 2K		1/4W	F
R403	1-249-417-11	CADDON	1K	EW	1/4W	P	R608	1-247-863-91	CARBON	(DECE . A)	22K	5%	1/4W	D III/ C)
R404	1-249-417-11		1K	5% 5%	1/4W		R608	1-249-433-11	CAPRON	(D202:A	22K	5%	D665:AE	P, UK, G)
R405	1-249-417-11		1K	5%	1/4W		1000	1 245 455 11	CARDON				D665: AU	S. E. SP)
R406	1-249-417-11		1K	5%	1/4W		<b></b> ♠R609	1-249-409-11	CARBON		220	5%	1/4W	
R407	1-249-417-11	CARBON	1K	5%	1/4W		R610	1-249-414-11			560	5%	1/4W	
											_			
R408	1-249-429-11 1-249-437-11		10K	5% 5%	1/4W		R611	1-249-426-11			5. 6K		1/4W	P
R409 R410	1-249-437-11		47K 560K	5%	1/4W 1/4W		R612 ⚠R613	1-249-422-11 1-212-865-01			2.7K 22	5%	1/4W 1/4W	
R411	1-249-416-11		820	5%	1/4W	F	717W019	1 212 005 01	LOGIDLE		22		EP, UK, I	
R412	1-247-897-11		560K		1/4W	100	<b></b> ♠R613	1-249-397-11	CARBON		22	5%	1/4W	
														(E, AUS)
R413	1-249-437-11		47K	5%	1/4W		R615	1-249-414-11	CARBON		560	5%	1/4W	
R414	1-249-425-11		4. 7K		1/4W									
R416	1-249-417-11	CARBON	1K	5%	1/4W	F	I.							



Ref. No.	Part No.	Descripti	ion			Remark	Ref. No.	Part No.	Descripti	on				Remark
<b></b> AR616	1-212-865-01	FUSIBLE	22	5%	1/4W	F	R717	1-249-421-11	CARBON		2. 2K	5%	1/4W	F
				(AE	EP, UK, I	(T, G, SP)	R718	1-249-393-11	CARBON		10	5%	1/4W	F
<b></b> ₹R616	1-249-397-11	CARBON	22	5%	1/4W	F (E, AUS)	<b>⚠</b> R719	1-249-393-11	CARBON		10	5%	1/4W	F
R617	1-249-421-11	CARRON	2. 2K	5%	1/4W		<b>⚠</b> R720	1-233-352-21	FNCAPSIII A	TED CO	MPONEN	T 0 2	2/0 22	
/\R618	1-249-393-11		10	5%	1/4W		R721	1-249-437-11		IILD CO	47K	5%	1/4W	
⚠R619	1-249-393-11		10	5%	1/4W		R722	1-249-425-11			4. 7K	5%	1/4W	F
<u> </u>	1 510 000 11	CHILDON	10	070	1/ 111	•	R723	1-249-431-11			15K	5%	1/4W	I.
<b></b> ♣R620	1-233-352-21	ENCAPSIII.	ATED COMPONEN	Т			<b>↑</b> R724	1-249-393-11			10	5%	1/4W	F
R621	1-249-437-11		47K	5%	1/4W		Trial	1 540 000 11	Chitaon		10	0.00	1/41	I.
R622	1-249-425-11		4. 7K	5%	1/4W	F	<b></b> ♠R725	1-249-389-11	CARRON		4.7	5%	1/4W	F
R623	1-249-431-11		15K	5%	1/4W		R727	1-249-437-11			47K	5%	1/4W	L
<b></b> ₹R624	1-249-393-11		10	5%	1/4W	F	<b>⚠</b> R729	1-249-887-11			33 (	5%	1/4W	F
71,11001	1 210 000 11	Cintbon	10	0.0	2/ 2//	•	2771120	1 210 001 11	Childon	www.freeservicemanuals	39		4/1211	(E, AUS)
<b></b> ♠R625	1-249-389-11	CARBON	4.7	5%	1/4W	F	<b>↑</b> R730	1-249-887-11	CARRON	3	33	5%	1/4W	F F
R626	1-249-435-11		33K	5%	1/4W	*	21311100	1 510 001 11	CHILDON	~	00	3/0	1/11	(E, AUS)
R627	1-249-435-11		33K	5%	1/4W		R731	1-249-429-11	CAPRON	T	10K	5%	1/4W	(E, AUS)
R635	1-247-887-00		220K	5%		(D665)	KIOI	1 243 423 11	Childon	es	101	3/0	1/4#	
R638	1-249-424-11		3. 9K	5%		F	R732	1-249-417-11	CARRON	CI	1K	5%	-1/4W	F
11000	1 245 424 11	Childon	0. 01.	070	1/ 411		R733	1-249-435-11		≤.	33K	5%	1/4W	Г
R651	1-249-438-11	CARRON	56K	5%	1/4W		R734	1-249-427-11		99	6. 8K		1/4W	E
R652	1-249-417-11		1K	5%	1/4W	F	R735	1-247-887-00		3	220K			(D665)
R653	1-249-411-11		330	5%	1/4W		R737	1-249-429-11		=	10K		1/4W	(0003)
R654	1-249-435-11		33K	5%	1/4W		KIOI	1 240 420 11	Childon	E	ION -		2/411	
R655	1-249-426-11		5. 6K	5%	1/4W		R738	1-249-424-11	CARRON		3. 9K	5%	1/4W	F
11000	1 510 150 11	Childon	0. 011	070	1/ 11		R739	1-249-429-11		=	10K	5%		(D665)
<b></b> ↑R658	1-249-393-11	CARRON	10	5%	1/4W	F	R751	1-249-421-11		=	2. 2K	5%	1/4W	
<b>⚠</b> R659	1-249-389-11		4.7	5%	1/4W	100	R752	1-249-435-11		-	33K	5%	1/4W	L
R660	1-249-437-11		47K	5%	1/4W		R753	1-249-409-11			220	5%	1/4W	F
R701	1-249-421-11		2. 2K	5%	1/4W	F	KIOO	1 240 400 11	Childon		220	070		:AUS, E)
R702	1-249-435-11		33K	5%	1/4W	•							(D000	· 100, L)
11100	1 510 100 11	CHILDON	0011	0.0	2/ 111		R753	1-249-411-11	CARBON		330	5%	1/4W	
R703	1-249-409-11	CARBON	220	5%	1/4W	F		1 010 111 11	Cintbott					K, G, SP)
						: AUS, E)	R754	1-249-434-11	CARBON		27K	5%	1/4W	11, 0, 01 )
R703	1-249-411-11	CARBON	330	5%	1/4W	, , ,	R755	1-249-415-11			680	5%	1/4W	F
			(D56	5/D665	: AEP. U	JK, G, SP)	<b></b> ♣R756	1-249-409-11			220	5%	1/4W	
R704	1-249-434-11	CARBON	27K	5%	1/4W		R757	1-249-421-11			2. 2K	5%	1/4W	
R705	1-249-415-11	CARBON	680	5%	1/4W	F							-,	
<b>↑R706</b>	1-249-409-11	CARBON	220	5%	1/4W	F	R758	1-247-863-91	CARBON		22K	5%	1/4W	
									(	D565:Al	EP, IT,	G, UK/I	0665:AE	P, UK, G)
R707	1-249-421-11	CARBON	2. 2K	5%	1/4W	F	R758	1-249-433-11			22K	5%	1/4W	, . , . ,
R708	1-247-863-91	CARBON	22K	5%	1/4W						(D565	: AUS/I	0665:AU	IS, E, SP)
			(D565: AEP, IT,	G, UK/E	0665:AE	EP, UK, G)	<b></b> ♣R759	1-249-409-11	CARBON		220	5%	1/4W	
R708	1-249-433-11	CARBON	22K	5%	1/4W		R760	1-249-435-11	CARBON		33K	5%	1/4W	
			(D565	: AUS/I	0665:AU	JS, E, SP)	R761	1-249-414-11			560	5%	1/4W	F
<b>⚠</b> R709	1-249-409-11	CARBON	220	5%	1/4W									
R710	1-249-435-11	CARBON	33K	5%	1/4W		R762	1-249-422-11	CARBON		2.7K	5%	1/4W	F
							<b>⚠</b> R763	1-212-865-01	FUSIBLE		22	5%	1/4W	F
R711	1-249-414-11	CARBON	560	5%	1/4W	F						(AI		T, G, SP)
R712	1-249-422-11	CARBON	2.7K	5%	1/4W	F	<b>⚠</b> R763	1-249-397-11	CARBON		22	5%	1/4W	
<b>♠</b> R713	1-212-865-01	FUSIBLE	22	5%	1/4W	F								(E, AUS)
				(AE		T, G, SP)	R765	1-249-414-11	CARBON		560	5%	1/4W	
<b>⚠</b> R713	1-249-397-11	CARBON	22	5%	1/4W	Marin and the second	<b></b> ♣R766	1-212-865-01	FUSIBLE		22	5%	1/4W	F
						(E, AUS)						(AI	EP, UK, I	T, G, SP)
R715	1-249-414-11	CARBON	560	5%	1/4W	F								
			- B-20-0				<b></b> ♣R766	1-249-397-11	CARBON		22	5%	1/4W	F
<b>⚠</b> R716	1-212-865-01	FUSIBLE	22	5%	1/4W		700							(E, AUS)
						T, G, SP)	R767	1-249-421-11			2. 2K	5%	1/4W	
<b></b> ₹R716	1-249-397-11	CARBON	22	5%	1/4W		<b></b> ₹R768	1-249-393-11			10	5%	1/4W	
						(E, AUS)	<b>♠</b> R769	1-249-393-11	CARBON		10	5%	1/4W	F

The components identified by mark 
⚠ or dotted line with mark ⚠ are critical for safety.

Replace only with part number specified.

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Descripti	on Remark
<u></u> 1.0 € R770	1-233-352-21	ENCAPSULATED COMPONE	ENT 0.22/0.22				< RELAY >	
R771 R772 R773	1-249-437-11 1-249-425-11 1-249-431-11	CARBON 4. 78	5% 1/4W 5% 1/4W 5% 1/4W		RY701	1-515-920-11 1-515-920-11 1-515-894-11	RELAY (24	
<u>↑</u> R774 <u>↑</u> R775	1-249-393-11 1-249-389-11		5% 1/4W 5% 1/4W				< TERMINA	L >
R777 R785	1-249-438-11 1-247-887-00	CARBON 2201		(D665)				BOARD (CHECKER PIN) (ANTENNA) (D665:E)
R788 R801 <u>↑</u> R802	1-249-424-11 1-249-423-11 1-249-887-11	CARBON 3. 31	5% 1/4W 5% 1/4W 5% 1/4W	F	TM601	(D) 1-537-510-11	565:AEP, IT TERMINAL	BOARD (ANTENNA)  G, UK, AUS/D665: AEP, UK, G, AUS, SP) BOARD (SURROUND SPEAKERS) (6P) BOARD (FRONT SPEAKERS)
<b>⚠</b> R805	1-216-446-00	METAL OXIDE 18	5% 2W	F (E, AUS)	1	2 00. 0.0 11	< TUNER >	accommon and a common and a common and a
<u>↑</u> R805	1-249-455-11		(AEP, UK,	IT, G, SP)	TU001	1-233-308-11	ENCAPSULA	TED COMPONENT
R806 R807	1-249-425-11 1-249-437-11	CARBON 47K	The second secon				/ WIDDATO	(D565:AEP, IT, G, UK, AUS/D665)
	1-202-860-00		(D665: AEP, UK		X1	1_570_000_21	< VIBRATO	CRYSTAL (4. 33MHz)
<u>↑</u> R808 R822	1-249-405-11 1-249-407-11		(D565/D665:A	US, E, SP)	X301		(	(D565:AEP, IT, G, UK/D665:AEP, UK, G) CERAMIC (8MHz)
R823	1-249-437-11				Addi	1 515 552 21	, ibiditor,	CERTAIN COMILEY
R824	1-249-425-11	CARBON 4. 7	K 5% 1/4W	F	******	*********	*******	**********
R950	1-249-421-11	CARBON 2, 2	K 5% 1/4W	F	*	1-655-985-11	PRIMARY B	SOARD
R951	1-249-429-11						******	
R952	1-249-423-11	CARBON 3. 3	K 5% 1/4W	F				(D565/D665: AEP, UK, G, AUS, SP)
R953	1-247-863-91							
		(D565:AEP, I	r, G, UK/D665:A	EP, UK, G)	******	**********	*******	***********
R953 R954	1-249-433-11 1-249-439-11	(D5	65:AUS/D665:A	US, E, SP)	*	1-655-750-11	SP SW BOA	
R955	1-249-429-11	CARBON 10K	5% 1/4W				< JACK >	
R956	1-249-423-11	CARBON 3. 3	K 5% 1/4W	F				
R957	1-249-417-11	CARBON 1K	5% 1/4W	F	J741	1-750-733-11	JACK (LAR	RGE TYPE) (PHONES)
R960	1-249-429-11	CARBON 10K	5% 1/4W					
RR01	1-249-418-11		K 5% 1/4W T, G, UK/D665:A				< RESISTO	
RR04	1-249-393-11		5% 1/4W		R741	1-247-753-11	CARBON	1. 2K 5% 1/2W (D565: AUS/D665: AUS, E, SP)
RR05	1-249-393-11	CARBON 10	r, G, UK/D665:A 5% 1/4W	F	R741	1-260-100-11	(	1. 2K 5% 1/2W (D565:AEP, IT, G, UK/D665:AEP, UK, G)
RR06	1-249-393-11	CARBON 10	T, G, UK/D665:A 5% 1/4W	F	R742	1-247-753-11		1. 2K 5% 1/2W (D565: AUS/D665: AUS, E, SP)
RR07	1-249-393-11	CARBON 10	T, G, UK/D665:A 5% 1/4W	F	R742	1-260-100-11	(	1. 2K 5% 1/2W (D565: AEP, IT, G, UK/D665: AEP, UK, G)
RR51	1-249-418-11	CARBON 1. 2	T, G, UK/D665:A K 5% 1/4W T, G, UK/D665:A	F	R791	1-247-753-11	CARBON	1. 2K 5% 1/2W (D565: AUS/D665: AUS, E, SP)
RR54	1-249-393-11	CARBON 10	5% 1/4W	F	R791	1-260-100-11		1. 2K 5% 1/2W (D565:AEP, IT, G, UK/D665:AEP, UK, G)
RR55	1-249-393-11		T, G, UK/D665:A 5% 1/4W	EP, UK, G)	R792	1-247-753-11		1.2K 5% 1/2W (D565:AUS/D665:AUS, E, SP)
		(D565:AEP, I	T, G, UK/D665:A	EP, UK, G)	R792	1-260-100-11		1. 2K 5% 1/2W (D565:AEP, IT, G, UK/D665:AEP, UK, G)
								TPL

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.

Replace only with part number specified.

### www.freeservicemanu

SP SW-A SP SW-B STBY STBY SW TONE



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description			Remark
		< SWITCH >				< TRANSFORMER	>		
-11		SWITCH, PUSH (2 KEY) (SPEAKERS		<u>↑</u> T902	1-450-358-11	TRANSFORMER, P	OWER D565:AEP, IT,	G, UK, Al	US/D665)
*****	*********	**********	******	*****		******			*****
*	1-655-754-11	SP SW-A BOARD **********		*		STBY SW BOARD	(E, AUS)	*****	****
*****	********	*********	******						
*	1-655-755-11	SP SW-B BOARD **********		S200	1-554-303-21	< SWITCH > SWITCH, TACTIL		AUS/D66	5:AUS, E)
		< CONNECTOR >							
CNS70	2 1-770-378-11	CONNECTOR, BOARD TO BOARD 5P				***********	:*******	******	*****
*****	********	*********	*******	*	1-655-749-11	TONE BOARD			
*	1-655-752-11	STBY BOARD				< CAPACITOR >			
CN902	1-564-321-00	< CONNECTOR > PIN, CONNECTOR 2P (D665:E)		C422 C423	1-137-440-11 1-124-463-00 1-137-368-11 1-137-372-11	ELECT FILM	0. 018uF 0. 1uF 0. 0047uF 0. 022uF	5% 20% 5% 5%	50V 50V 50V 50V
CNP90	1 1-564-321-00	OUTLET, AC (POLAR) (D665:E) PIN, CONNECTOR 2P			1-137-440-11		0. 018uF 0. 1uF	5% 20%	50V 50V
		PIN, CONNECTOR (PC BOARD) 2P (D565:AEP, IT, G, AUS/D665:AEP PIN, CONNECTOR (B2P-VH) 2P (D6		C473	1-124-463-00 1-137-368-11 1-137-372-11	FILM	0. 0047uF 0. 022uF	5% 5%	50V 50V
* CNP90 CNS80	6 1-564-241-11 2 1-770-480-11	PIN, CONNECTOR (B4P-VH) 4P (D6 SOCKET, CONNECTOR PIN 4P	665:E)			< CONNECTOR >			
		< DIODE >		The second second		PLUG, CONNECTO HOUSING, CONN		RD) 6P	
D816	8-719-815-85	DIODE 1S1585 (D565:AEP, IT, G, UK/D665	S.AFP IIK G)			< DIODE >			
D816	8-719-987-63			D207 D208	8-719-313-72 8-719-313-72		10A-CD (BASS	The second second	
		< FUSE >				< RESISTOR >			
<b>⚠</b> F902 <b>⚠</b> F902		FUSE (T2AL, 250V) (D665:AEP, UK, FUSE, TIME LAG (T1.6AL, 250V)		R210	1-249-435-11		33K 5%	1/4	
<b></b> ₱903	1-532-259-00	) FUSE (T1. 6AL 250V) (AEP, IT, G, SI	5/D665:AUS) P)	R421 R422 R437	1-249-430-11 1-249-422-11 1-247-903-00	CARBON	12K 5% 2.7K 5% 1M 5%	1/4W 1/4W 1/4W	F
		< FUSE HOLDER >		R440	1-247-903-00		1M 5%	1/4	
		HOLDER, FUSE (F902) HOLDER, FUSE (F903) (D565:AEP, IT, G/D66	5:AEP, G, SP)	R471 R472 R479	1-249-430-11 1-249-422-11 1-249-415-11	L CARBON	12K 5% 2.7K 5% 680 5%	1/4V 1/4V 1/4V	F
		HOLDER, FUSE (F902) HOLDER, FUSE (F903) (D565:AEP, IT, G/D66	5:AEP, G, SP)	R487 R490	1-247-903-00 1-247-903-00	CARBON	1M 5% 1M 5%	1/47	
		< RELAY >				< VARIABLE RE		/- :	
<u></u> <u>↑</u> RY90	1 1-515-720-1	1 RELAY				I RES, VAR, CAR I RES, VAR, CAR			
						The	components i	dentified	by mark

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

Ref. No.	Part No.	Description Re	mark I	Ref. No.	Part No.	Description		Remark
				MCI. No.	Ture no.	< SWITCH >		TOMAL II
RV423	1-223-880-11	RES, VAR, CARBON 100K/100K (BALANCE)						()
		< SWITCH >		S901	1-571-437-11	SWITCH, POWER	VOLTAGE CHA	NGE (D665:E)
		SWITCH, TACTILE (MUTING -20dB) SWITCH, TACTILE (BASS BOOST)		******	*********	*********	*******	******
		***************************************		*	1-655-747-11	VIDEO BOARD		
			*****					
*	1-655-748-11	TRANS BOARD *********				< CAPACITOR >		
		< CONNECTOR >		C251	1-124-903-11 1-124-903-11 1-164-159-11	ELECT	1uF 1uF 0. 1uF	20% 50V 20% 50V 50V
		PIN, CONNECTOR (PC BOARD) 11P CORD, POWER (D665:E)		C252	1-164-159-21	CERAMIC	(D565:AUS 0. 1uF	5/D665: AUS, E, SP) 50V
⚠CNP904	1-696-847-11	CORD, POWER (D565:AUS/D665:AUS) CORD, POWER (D565:UK/D665:UK)		C253	1-104-664-11		E: AEP, IT, G, UK	/D665:AEP, UK, G) 20% 25V
	1-769-744-11		(92)	0200	1 101 001 11			/D665:AEP, UK, G)
			(, SF)	C253	1-124-477-11	ELECT	47uF	20% 25V
		< FUSE >		C254	1-164-159-11	CERAMIC	0. 1uF	5/D665: AUS, E, SP) 50V
Antilland		FUSE, TIME LAG (T3. 15AL 250V) FUSE, TIME LAG (T3. 15AL 250V)		C254	1-164-159-21		0. 1uF	5/D665:AUS, E, SP) 50V 5/D665:AEP, UK, G)
		< FUSE HOLDER >		C255	1-104-664-11	ELECT	47uF	20% 25V
		HOLDER, FUSE (F801) HOLDER, FUSE (F802)		C255	1-124-477-11		47uF	20% 25V 5/D665:AUS, E, SP)
		HOLDER, FUSE (F801) HOLDER, FUSE (F802)			1-162-215-31 1-162-215-31		47PF 47PF	5% 50V 5% 50V
		< TRANSFORMER >				< CONNECTOR >	,	
<b>1901 1</b>	1-427-873-11	TRANSFORMER, POWER (D665:E) TRANSFORMER, POWER (D665:AEP, UK, G, MY	Y, SP)	CNP250	1-770-412-11	CONNECTOR, BO	OARD TO BOARD	6P
<b>1</b> 001 <b>1</b> 001	1-427-877-11	TRANSFORMER, POWER (D665:AUS) TRANSFORMER, POWER (D565:AEP, IT, G, UK TRANSFORMER, POWER (D565:AUS)	()			< IC >		
*****	*******	*************	****		8-759-333-84 8-759-700-65			
*	1-655-751-11	V-SELECT BOARD (D665:E)				< JACK >		
		< CONNECTOR >		J251	1-695-317-21	(VIDEO IN	(TV/LD), VID	DEO OUT (VIDEO))
* CNP907	1-565-395-11	PIN, CONNECTOR 3P (D665:E)		J252	1-695-317-21	JACK, PIN 2P (VIDEO IN (V	/IDEO), VIDEO	OUT (MONITOR))
		PIN, CONNECTOR 2P (D665:E) PIN, CONNECTOR 3P (D665:E)		J253	1-770-377-11	JACK, PIN 1P	(MIX OUT) (D6	665)
		< FUSE >				< RESISTOR >		
<u></u> ♣F904	1-532-203-00	FUSE (T2AL, 250V)(E)		R251 R252 R253	1-247-804-11 1-247-804-11 1-247-804-11	CARBON	75 5% 75 5% 75 5%	1/4W 1/4W 1/4W
		< FUSE HOLDER >		R254 R255	1-247-804-11 1-247-804-11 1-249-429-11	CARBON	75 5% 10K 5%	1/4W 1/4W 1/4W
		HOLDER, FUSE (F904) (D665:E) HOLDER, FUSE (F904) (D665:E)		R256	1-249-429-11	CARBON	10K 5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.

Replace only with part number specified.



# 1-655-746-11 VIDEO-MAIN BOARD # 1-655-746-11 VIDEO-MAIN BOARD CNS250 1-770-379-11 CORNECTOR, BOARD TO BOARD 6P CNS250 1-770-492-11 CORNECTOR, BOARD TO BOARD 7P  * A-4377-525-A VOL BOARD, COMPLETE ****CAPACITIOR > CAPACITIOR > CAPACITIC ACPACITIC ACPACITI	Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description				Rem	ark
1-655-746-11 VIDEO-MAIN BOARD   CONNECTOR   CONNECTO														
CNS250   1-770-379-11   CONNECTOR   SOARD TO BOARD   PROPERTY   CASE   P. 1770-492-11   CONNECTOR   SOARD TO BOARD   PROPERTY   CASE   P. 1770-492-11   CONNECTOR   SOARD   PROPERTY   CASE   P. 1770-492-11   CONNECTOR   CASE   P. 1770-492-11   CONNECTOR   CASE   P. 1770-492-11   CONNECTOR   CASE   P. 1770-492-11   CONNECTOR   CASE   P. 1770-492-11	*****	*********	***********	******	*****	*******	Q402	8-729-922-37		S: AEP, IT,	G, UK/I	0665:AE	P, UK	, G)
CNNSESTO 1-770-379-11 CONNECTOR, BOARD TO BOARD 6P CNS250 1-770-492-11 CONNECTOR, BOARD TO BOARD 7P  ****A-4377-525-A** VOL BOARD, COMPLETE ***********************************	*	1-655-746-11					Q403	8-729-141-30	TRANSISTOR			0665:AU	S, E,	SP)
CKS250 1-770-379-11 CONNECTOR, BOARD TO BOARD FP CKS251 1-770-492-11 CONNECTOR, BOARD TO BOARD TP  * A-4377-525-A VOL BOARD, COMPLETE ***********************************							Q403	8-729-922-37		2SD2144S	-UVW			
### A-4377-525-A VOL BOARD TO BOARD TO BOARD TP  ###################################			< CONNECTOR >						(D565	S: AEP, IT,	G, UK/I	D665:AE	P, UK	(, G)
######################################							Q451	8-729-202-67	TRANSISTOR					
######################################	CNS25	1 1-770-492-11	CONNECTOR, BOAR	D TO BOARD	7P		Q452	8-729-141-30	TRANSISTOR			DCCE AII	C P	CD)
######################################	*****	*****	*******	******	*****	******	Q452	8-729-922-37	TRANSISTOR			0005:AU	5, E,	SP)
CAPACITOR   CAPA	7027		WAY DALED COMP	T DWD			0.450	0 700 141 00				D665:AE	P, UK	(, G)
C420 1-162-207-31 CERAMIC 22FF 5% 50V C425 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C427 1-124-252-00 ELECT 0.33uF 20% 50V R426 1-249-438-11 CARBON 56K 5% 1/4W F C429 1-164-070-11 CERAMIC 100F 5% 50V R427 1-249-427-11 CARBON 56K 5% 1/4W F C429 1-164-070-11 ELECT 10uF 20% 50V R427 1-249-427-11 CARBON 680 5% 1/4W F C429 1-164-070-11 ELECT 10uF 20% 50V R427 1-249-427-11 CARBON 680 5% 1/4W F C433 1-126-301-11 ELECT 10uF 20% 50V R430 1-249-435-11 CARBON 680 5% 1/4W F C433 1-126-301-11 ELECT 10uF 20% 35V R430 1-249-427-11 CARBON 680 5% 1/4W F C433 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C433 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 6.8K 5% 1/4W F C475 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C475 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C475 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C476 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C476 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C476 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-427-11 CARBON 56K 5% 1/4W F C476 1-126-096-11 ELECT 10uF 20% 35V R436 1-249-441-11 CARBON 56K 5% 1/4W F C476 1-126-096-11 ELECT 10uF 20% 35V R436 1-249-441-11 CARBON 56K 5% 1/4W F C479 1-164-070-11 CERAMIC 20% 35V R436 1-249-427-11 CARBON 56K 5% 1/4W F C479 1-164-070-11 CERAMIC 100FP 5% 50V R441 1-249-441-11 CARBON 100K 5% 1/4W F C479 1-164-070-11 CRAMIC 100FP 5% 50V R441 1-249-441-11 CARBON 100K 5% 1/4W F R469 1-247-493-00 CARBON 11M 5% 1/4W F R469 1-247-413-11 CARBON 100K 5% 1/4W F R469 1-247-413-11 CARBON 100K 5% 1/4W F R469 1-247-413-11 CARBON 100K 5% 1/4W F R469 1-247-93-00 CARBON 11M 5% 1/4W F R469 1-247-93-00 CARBON 11M 5% 1/4W F R469 1-247-93-00	*	A-4377-525-A					Q453	8-729-141-30	TRANSISTOR			DEEE - ALL	C E	CD)
C420 1-162-207-31 CERAMIC 22PF 5% 50V C425 1-126-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C427 1-124-253-00 ELECT 0.33UF 20% 50V R428 1-249-438-11 CARBON 56% 5% 1/4W F427 1-249-417-11 CARBON 11% 5% 1/4W F427 1-249-417-11 CARBON 680 5% 1/4W F427 1-249-417-11 CARBON 4.7% 5% 1/4W F428 1-249-438-11 CARBON 4.7% 5% 1/4W F428 1-249-428-11 CARBON 680 5% 1/4W F438 1-126-301-11 ELECT 10uF 20% 50V R430 1-249-435-11 CARBON 680 5% 1/4W F438 1-126-096-11 ELECT 10uF 20% 35V R430 1-249-437-11 CARBON 3.3% 5% 1/4W F438 1-126-096-11 ELECT 10uF 20% 35V R432 1-247-883-00 CARBON 150% 5% 1/4W F438 1-249-427-11 CARBON 680 5% 1/4W F438 1-249-427-11 CARBON 680 5% 1/4W F438 1-249-427-11 CARBON 150% 5% 1/4W F438 1-249-427-11 CARBON 100% 5% 1/4W F448 1-247-203-00 CARBON 150% 5% 1/4W F448 1-247-203-00 CARBON 150% 5% 1/4W F448 1-247-203-00 CARBON 150% 5% 1/4W F449 1-247			***************************************	****			Q453	8-729-922-37	TRANSISTOR			0000.no	O, D,	OI )
C425 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C427 1-124-252-00 ELECT 0.33uF 20% 50V C428 1-130-488-00 WILAR 0.033uF 5% 50V C429 1-164-070-11 CERAMIC 100FF 5% 50V C430 1-126-301-11 ELECT 1uF 20% 50V C431 1-126-996-11 ELECT 1uF 20% 50V C431 1-126-996-11 ELECT 10uF 20% 35V C432 1-126-096-11 ELECT 10uF 20% 35V C432 1-126-096-11 ELECT 10uF 20% 35V C432 1-126-096-11 ELECT 10uF 20% 35V C435 1-126-096-11 ELECT 10uF 20% 35V C436 1-126-096-11 ELECT 10uF 20% 35V C437 1-126-096-11 ELECT 10uF 20% 35V C436 1-124-441-11 CARBON 100K 5% 1/4W C479 1-164-070-11 CERAMIC 20F 5% 50V C438 1-249-441-11 CARBON 100K 5% 1/4W C479 1-164-070-11 CERAMIC 100FF 5% 50V C438 1-249-441-11 CARBON 100K 5% 1/4W C492 1-124-464-11 ELECT 0.22uF 20% 50V C492 1-124-464-11 ELECT 0.22uF 20% 50V C492 1-124-464-11 ELECT 0.22uF 20% 50V C492 1-124-469-11 CARBON 100K 5% 1/4W C492 1-124-41-810 CARB			< CAPACITOR >						(D56	5:AEP, IT,	G, UK/I	D665:AE	P, UK	(, G)
C425 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C426 1-128-096-11 ELECT 10uF 20% 35V C427 1-124-252-00 ELECT 0.33uF 20% 50V C428 1-130-488-00 WILAR 0.033uF 5% 50V C429 1-164-070-11 CERAMIC 100FF 5% 50V C430 1-126-301-11 ELECT 1uF 20% 50V C431 1-126-996-11 ELECT 1uF 20% 50V C431 1-126-996-11 ELECT 10uF 20% 35V C432 1-126-096-11 ELECT 10uF 20% 35V C432 1-126-096-11 ELECT 10uF 20% 35V C432 1-126-096-11 ELECT 10uF 20% 35V C435 1-126-096-11 ELECT 10uF 20% 35V C436 1-126-096-11 ELECT 10uF 20% 35V C437 1-126-096-11 ELECT 10uF 20% 35V C436 1-124-441-11 CARBON 100K 5% 1/4W C479 1-164-070-11 CERAMIC 20F 5% 50V C438 1-249-441-11 CARBON 100K 5% 1/4W C479 1-164-070-11 CERAMIC 100FF 5% 50V C438 1-249-441-11 CARBON 100K 5% 1/4W C492 1-124-464-11 ELECT 0.22uF 20% 50V C492 1-124-464-11 ELECT 0.22uF 20% 50V C492 1-124-464-11 ELECT 0.22uF 20% 50V C492 1-124-469-11 CARBON 100K 5% 1/4W C492 1-124-41-810 CARB	0.100		CDDINIC	CODD	F6/	5011			/ PROTOTOR					
C426									< KESISIOR >					
C427   1-124-252-00   ELECT   0.33uF   20%   50V   R426   1-249-438-11   CARBON   56K   5%   1/4W   F   C428   1-130-489-00   MYLAR   0.033uF   5%   50V   R427   1-249-417-11   CARBON   4.7K   5%   1/4W   F   C429   1-164-070-11   CERAMIC   100PF   5%   50V   R428   1-249-425-11   CARBON   4.7K   5%   1/4W   F   C430   1-126-301-11   ELECT   1uF   20%   50V   R430   1-249-437-11   CARBON   4.7K   5%   1/4W   F   C432   1-126-096-11   ELECT   10uF   20%   35V   R431   1-249-427-11   CARBON   3.3K   5%   1/4W   C432   1-126-096-11   ELECT   10uF   20%   35V   R431   1-249-427-11   CARBON   3.3K   5%   1/4W   F   C475   1-126-096-11   ELECT   10uF   20%   35V   R432   1-249-427-11   CARBON   3.3K   5%   1/4W   F   C475   1-126-096-11   ELECT   10uF   20%   35V   C476   1-126-096-11   ELECT   10uF   20%   35V   C477   1-124-252-00   ELECT   0.33uF   20%   50V   R436   1-249-441-11   CARBON   100K   5%   1/4W   C479   1-164-070-11   CERAMIC   0.22uF   20%   50V   R446   1-247-903-00   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.22uF   20%   50V   R446   1-247-903-00   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.22uF   20%   50V   R456   1-249-441-11   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.22uF   20%   50V   R466   1-247-903-00   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.25uF   20%   50V   R468   1-249-441-11   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.25uF   20%   50V   R468   1-249-443-11   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.25uF   20%   50V   R468   1-249-432-11   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.25uF   20%   50V   R468   1-249-432-11   CARBON   100K   5%   1/4W   C492   1-124-464-11   ELECT   0.25uF   20%   50V   R468   1-249-432-1							R425	1-249-428-11	CARBON	8. 2K	5%	1/4W	F	
C428													-	
R428							R427	1-249-417-11	CARBON				F	
C429							R428			4.7K	5%			
C430 1-126-301-11 ELECT 1UF 20% 50V   C431 1-126-301-11 ELECT 1UF 20% 50V   C432 1-126-096-11 ELECT 10UF 20% 35V   C433 1-126-096-11 ELECT 10UF 20% 35V   C433 1-126-096-11 ELECT 10UF 20% 35V   C473 1-126-096-11 ELECT 10UF 20% 35V   C470 1-162-207-31 CERAMIC 2PF 5% 50V   C475 1-126-096-11 ELECT 10UF 20% 35V   C476 1-126-096-11 ELECT 10UF 20% 35V   C476 1-126-096-11 ELECT 10UF 20% 35V   C477 1-124-252-00 ELECT 0.3 3UF 20% 50V   C478 1-130-489-00 MYLAR 0.033UF 5% 50V   C479 1-164-070-11 CERAMIC 100F 5% 50V   C479 1-164-070-11 CERAMIC 100F 5% 50V   C492 1-124-464-11 ELECT 0.2 2UF 20% 50V   C492 1-124-464-11 ELECT 0	C429	1-164-070-11	CERAMIC	100PF	5%	50V	THE RESERVE	1-249-415-11	CARBON					
C431 1-126-301-11 ELECT 10F 20% 50V		and the second s		1uF	20%	50V								
C432 1-126-096-11 ELECT 10uF 20% 35V R431 1-249-423-11 CARBON 3.3K 5% 1/4W F C470 1-162-096-11 ELECT 10uF 20% 35V R432 1-247-883-00 CARBON 150K 5% 1/4W F C471 1-126-096-11 ELECT 10uF 20% 35V C476 1-126-096-11 ELECT 10uF 20% 35V C476 1-126-096-11 ELECT 10uF 20% 35V C476 1-126-096-11 ELECT 10uF 20% 35V R432 1-249-441-11 CARBON 390 5% 1/4W F C472 1-124-252-00 ELECT 0.33uF 20% 50V R431 1-249-441-11 CARBON 100K 5% 1/4W C478 1-130-489-00 MYLAR 0.033uF 5% 50V R431 1-249-441-11 CARBON 100K 5% 1/4W C479 1-164-070-11 CERAMIC 100PF 5% 50V R441 1-247-903-00 CARBON 1M 5% 1/4W C492 1-124-464-11 ELECT 0.22uF 20% 50V R441 1-247-903-00 CARBON 1M 5% 1/4W C492 1-124-464-11 ELECT 0.22uF 20% 50V R441 1-247-903-00 CARBON 1M 5% 1/4W C492 1-124-464-11 ELECT 0.22uF 20% 50V R441 1-247-903-00 CARBON 1M 5% 1/4W C492 1-770-390-11 PIN, CONNECTOR (PC BOARD) 7P R469 1-247-903-00 CARBON 1M 5% 1/4W F CNP403 1-770-405-11 CONNECTOR, BOARD TO BOARD 8P ** CNS402 1-764-950-11 CO				luF	20%	50V	R430	1-249-437-11	CARBON	47K	5%	1/4W		
C433				10uF	20%	35V	R431	1-249-423-11	CARBON	3. 3K	5%	1/4W	F	
R433   1-249-427-11 CARBON   6.8K   5%   1/4\frac{1}{4}   F   CA70   1-162-207-31   CERAMIC   22PF   5%   50V   C475   1-126-096-11   ELECT   10uF   20%   35V   C476   1-126-096-11   ELECT   10uF   20%   35V   C477   1-124-252-00   ELECT   0.33uF   20%   50V   C477   1-124-252-00   ELECT   0.33uF   20%   50V   C478   1-30-489-00   MTLAR   0.033uF   5%   50V   C478   1-30-489-00   MTLAR   0.033uF   5%   50V   C479   1-164-070-11   CERAMIC   100PF   5%   50V   C492   1-124-464-11   ELECT   0.22uF   20%   50V   C492   1-124-464-11   ELECT   0.22uF   20%   50V   C492   1-124-64-11   ELECT   0.22uF   20%   50V   C492   1-70-391-11   PIN,   CONNECTOR   PROMETICAL				10uF	20%	35V	R432	1-247-883-00	CARBON	150K	5%	1/4W		
C470	0.00						R433				5%		F	
C476	C470	1-162-207-31	CERAMIC	22PF	5%	50V	R434	1-249-412-11	CARBON	390	5%	1/4W	F	
C477	C475	1-126-096-11	ELECT	10uF	20%	35V								
C478	C476	1-126-096-11	ELECT	10uF	20%	35V	R436	1-249-441-11	CARBON	100K	5%	1/4W		
R444   1-247-903-00   CARBON   1M   5%   1/4W   R446   1-247-807-31   CARBON   100   100   1/4W   R446   1-247-807-31   CARBON   100   1/4W	C477	1-124-252-00	ELECT	0.33uF	20%	50V	R438	1-249-441-11	CARBON	100K	5%	1/4W		
C479	C478	1-130-489-00	MYLAR	0.033uF	5%	50V	R441	1-249-441-11	CARBON	100K	5%	1/4W		
C492   1-124-464-11   ELECT   0.22uF   20%   50V							R444	1-247-903-00	CARBON	1M	5%	1/4W		
R464   1-247-903-00 CARBON   1M   5%   1/4W   R469   1-247-903-00 CARBON   1M   5%   1/4W   F   R475   1-249-428-11 CARBON   8. 2K   5%   1/4W   F   R476   1-249-428-11 CARBON   1K   5%   1/4W   F   R476   1-249-437-11 CARBON   1K   5%   1/4W   F   R476   1-249-437-11 CARBON   1K   5%   1/4W   F   R480   1-249-437-11 CARBON   4. 7K   5%   1/4W   F   R480   1-249-437-11 CARBON   4. 7K   5%   1/4W   F   R480   1-249-437-11 CARBON   3. 3K   5%   1/4W   F   R481   1-249-427-11 CARBON   3. 3K   5%   1/4W   F   R481   1-249-427-11 CARBON   6. 8K   5%   1/4W   F   R481   1-249-427-11 CARBON   6. 8K   5%   1/4W   F   R481   1-249-427-11 CARBON   6. 8K   5%   1/4W   F   R482   1-247-883-00 CARBON   150K   5%   1/4W   F   R482   1-247-903-00 CARBON   150K   5%   1/4W   F   R482   1-247-903-00 CARBON   150K   5%   1/4W   F   R491   1-249-412-11 CARBON   100K	C479	1-164-070-11	CERAMIC	100PF	5%	50V	R446	1-247-807-31	CARBON	100	5%	1/4W		
CONNECTOR > R469 1-247-903-00 CARBON 1M 5% 1/4W R475 1-249-428-11 CARBON 8.2K 5% 1/4W F R476 1-249-428-11 CARBON 8.2K 5% 1/4W F R476 1-249-428-11 CARBON 56K 5% 1/4W F R476 1-249-438-11 CARBON 1K 5% 1/4W F R476 1-249-437-11 CARBON 1K 5% 1/4W F R476 1-249-437-11 CARBON 4.7K 5% 1/4W F R480 1-249-437-11 CARBON 4.7K 5% 1/4W F R480 1-249-423-11 CARBON 3.3K 5% 1/4W F R481 1-249-423-11 CARBON 3.3K 5% 1/4W F R482 1-247-883-00 CARBON 150K 5% 1/4W F R482 1-247-883-00 CARBON 56K 5% 1/4W F R483 1-249-427-11 CARBON 6.8K 5% 1/4W F R482 1-249-427-11 CARBON 6.8K 5% 1/4W F R483 1-249-427-11 CARBON 6.8K 5% 1/4W F R481 1-249-427-11 CARBON 100K 5% 1/4W F R481 1-249-411-11 CARBON 100K 5% 1/4W F R491 1-247-903-00 CARBON 1M 5% 1/4W R491 1-247-903-00 CARBON 1M 5% 1/4W R491 1-247-903-00 CARBON 1M 5% 1/4W R494 1-247-903-00 CARBON 1M 5% 1/4W R494 1-247-903-00 CARBON 1M 5% 1/4W R496 1-247-807-31 CARBON 100	C492	1-124-464-11	ELECT	0. 22uF	20%	50V								
R475   1-249-428-11   CARBON   8. 2K   5%   1/4W   F							R464	1-247-903-00	CARBON	1M	5%			
CNP202 1-770-391-11 PIN, CONNECTOR (PC BOARD) 7P CNP401 1-770-390-11 PIN, CONNECTOR (PC BOARD) 6P CNP403 1-770-405-11 CONNECTOR, BOARD TO BOARD 8P  * CNS402 1-764-950-11 CONNECTOR, FFC(LIF(NON-ZIF)) 9P  CDIODE >  CDIODE S  CDI			< CONNECTOR >				100000000000000000000000000000000000000							
CNP401 1-770-390-11 PIN, CONNECTOR (PC BOARD) 6P CNP403 1-770-405-11 CONNECTOR, BOARD TO BOARD 8P  * CNS402 1-764-950-11 CONNECTOR, FFC(LIF(NON-ZIF)) 9P  * CNS402 1-764-950-11 CONNECTOR, BOARD 8P  * CNS402 1-764-950-11 CONNECTOR, BOARD 47K 5% 1/4W F  R480 1-249-437-11 CARBON 3.3 K 5% 1/4W F  R481 1-249-423-11 CARBON 150K 5% 1/4W F  R482 1-247-883-00 CARBON 150K 5% 1/4W F  R483 1-249-427-11 CARBON 3.3 K 5% 1/4W F  R484 1-249-427-11 CARBON 3.3 K 5% 1/4W F  R484 1-249-427-11 CARBON 100K 5% 1/4W F  R491 1-249-412-11 CARBON 3.3 K 5% 1/4W F  R491 1-249-412-11 CARBON 3.3 K 5% 1/4W F  R492 1-247-803-00 CARBON 100K 5% 1/4W F  R494 1-247-903-00 CARBON 1M 5% 1/4W F  R494 1-247-903-00 CARBON 1M 5% 1/4W F  R496 1-247-807-31 CARBON 100K 4 (VOLUME)  * CNS402 8-729-202-67 TRANSISTOR 2SK246-GR3  Q401 8-729-202-67 TRANSISTOR 2SK246-GR3  Q402 8-729-141-30 TRANSISTOR 2SC3623A-LK							R475				5%	1/4W	F	
**CNP403 1-770-405-11 CONNECTOR, BOARD TO BOARD 8P  ***CNS402 1-764-950-11 CONNECTOR, FFC(LIF(NON-ZIF))9P  ***CNS402 1-249-425-11 CARBON							R476	1-249-438-11	CARBON	56K	5%	1/4W		
* CNS402 1-764-950-11 CONNECTOR, FFC(LIF(NON-ZIF)) 9P  * CNS402 1-764-950-11 CARBON	CNP40	1 1-770-390-11	PIN, CONNECTOR	(PC BOARD)	6P		R477	1-249-417-11	CARBON	1K	5%	1/4W	F	
R480   1-249-437-11 CARBON   47K   5%   1/4W   F   R481   1-249-423-11 CARBON   3. 3K   5%   1/4W   F   R481   1-249-423-11 CARBON   3. 3K   5%   1/4W   F   R482   1-247-883-00 CARBON   150K   5%   1/4W   F   R483   1-249-427-11 CARBON   6. 8K   5%   1/4W   F   R483   1-249-427-11 CARBON   6. 8K   5%   1/4W   F   R483   1-249-427-11 CARBON   390   5%   1/4W   F   R484   1-249-412-11 CARBON   390   5%   1/4W   F   R491   1-249-412-11 CARBON   100K   5%   1/4W   R491   1-249-412-11 CARBON   100K   5%   1/4W   R492   1-247-903-00 CARBON   1M   5%   1/4W   R494   1-247-903-00 CARBON   1M   5%   1/4W   R494   1-247-903-00 CARBON   100   5%   1/4W   R496   1-247-807-31 CARBON   100   5%   1/4W   1/4W   1-241-816-11   1/4														
R481   1-249-423-11 CARBON   3. 3K 5% 1/4W F	* CNS40	2 1-764-950-11	CONNECTOR, FFC	LIF(NON-ZI	F))9P								F	
R482   1-247-883-00   CARBON   150K   5%   1/4W   F													_	
D421 8-719-815-85 DIODE 1S1585 (D565:AEP, IT, G, UK/D665:AEP, UK, G) D421 8-719-987-63 DIODE 1N4148M (D565:AUS/D665:AUS, E, SP)			< DIODE >				100000000000000000000000000000000000000						F	
(D565:AEP, IT, G, UK/D665:AEP, UK, G) D421 8-719-987-63 DIODE 1N4148M (D565:AUS/D665:AUS, E, SP)							100000000000000000000000000000000000000							
D421 8-719-987-63 DIODE 1N4148M (D565:AUS/D665:AUS, E, SP)	D421	8-719-815-85		DD 10 0 111	(0005	ADD IIII (I)	R483	1-249-427-11	CARBON	6. 8K	5%	1/4W	F	
R491   1-249-441-11 CARBON   100K 5% 1/4W	D / 0.1	0 710 007 00					D404	1 040 410 11	CARRON	200	EN	1 / 4111	ъ	
R492   1-247-903-00 CARBON   1M   5%   1/4W   R494   1-247-903-00 CARBON   1M   5%   1/4W   R494   1-247-903-00 CARBON   1M   5%   1/4W   R496   1-247-807-31 CARBON   100   5%   1/4W   1	D421	8-719-987-63	DIODE IN4148N	(D505:AUS	0/0005:	AUS, E, SP)	100000000000000000000000000000000000000						F	
R494   1-247-903-00 CARBON   1M   5%   1/4W   R496   1-247-807-31 CARBON   100   5%   1/4W			/ TC \											
IC404 8-759-636-74 IC M5218AP-22 R496 1-247-807-31 CARBON 100 5% 1/4W  < TRANSISTOR >   Q401 8-729-202-67 TRANSISTOR 2SK246-GR3 Q402 8-729-141-30 TRANSISTOR 2SC3623A-LK  R496 1-247-807-31 CARBON 100 5% 1/4W  < VARIABLE RESISTOR >  RV404 1-241-816-11 RES, VAR, CARBON 100KX4 (VOLUME)			(10)				12 control (10)							
<pre></pre>	1040	8_750_626_74	IC ME219AD 20	,										
Q401 8-729-202-67 TRANSISTOR 2SK246-GR3 RV404 1-241-816-11 RES, VAR, CARBON 100KX4 (VOLUME) Q402 8-729-141-30 TRANSISTOR 2SC3623A-LK	1040	1 0-159-030-14	M5218AF-22	•			K490	1-441-001-31	CARDON	100	376	1/4W		
Q402 8-729-141-30 TRANSISTOR 2SC3623A-LK			< TRANSISTOR >						< VARIABLE R	ESISTOR >	>			
Q402 8-729-141-30 TRANSISTOR 2SC3623A-LK	0.101	0 700 000 00	TRANSISTOR OF	VOIC CDO			DVAOA	1 941 916 11	DEC VID OF	DDON 1001	TV 1 /**	OI IIII		
(D565:AUS/D665:AUS, E, SP)   ***********************************							KV4U4	1-241-816-11	KES, VAR, CA	KBON 100F	1.1.4 (V	OLUME)		
				(D565:AUS	S/D665:	AUS, E, SP)	******	*********	******	******	*****	*****	****	***



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	<u>Description</u> <u>Remark</u>
*	1-655-745-11	VOL-MAIN BOARD *********				S & PACKING MATERIALS
		< CONNECTOR >  CONNECTOR, BOARD TO BOARD 8P CONNECTOR, BOARD TO BOARD 9P			1-473-071-11 1-501-374-11 1-501-594-11	COMMANDER, STANDARD (RM-P352) (D665) COMMANDER, STANDARD (RM-U252) (D565) ANTENNA, LOOP ANTENNA (FM) (EXCEPT E)
*****	******	***********	******			COVER, BATTERY (for RM-P352, RM-U252)
		MISCELLANEOUS ***********				MANUAL, INSTRUCTION (ENGLISH, FRENCH, GERMAN, DUTCH) (D565:AEP, IT/D665:AEP)
<u>↑</u> 67  105 <u>↑</u> CNJ903	1-569-007-11 1-773-493-11 1-251-078-11	WIRE (FLAT TYPE) (23 CORE) ADAPTER, CONVERSION 2P (D665:E) WIRE (FLAT TYPE) (9 CORE) OUTLET, AC. (D565:AUS/D665:AUS) OUTLET, AC (AEP, IT, G, SP)			3-798-810-51	MANUAL, INSTRUCTION (SPANISH, SWEDISH, DANISH, FINNISH, ITALIAN) (D565:AEP, IT/D665:AEP) MANUAL, INSTRUCTION (GERMAN) (D565:G/D665:G) MANUAL, INSTRUCTION (ENGLISH)
⚠CNP904 ⚠CNP904 ⚠CNP904	1-696-847-11 1-751-520-11 1-769-744-11	CORD, POWER (E) CORD, POWER (AUS) CORD, POWER (UK) CORD, POWER (AEP, IT, G, SP) FUSE, TIME LAG (T3. 15AL 250V)				(D565:UK/D665:UK) MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (D665:E, SP)  MANUAL, INSTRUCTION (ENGLISH)
⚠F902 ⚠F902 ⚠F903	1-532-203-00 1-532-259-00 1-532-259-00	FUSE, TIME LAG (T3.15AL 250V) FUSE (T2AL, 250V) (D665:AEP, UK, G, E) FUSE, TIME LAG (T1.6AL, 250V) (D565/D) FUSE (T1.6AL 250V) (AEP, IT, G, SP) FUSE (T2AL, 250V) (E)	E, SP) 665:AUS)	* * * * *	4-974-619-01 4-974-630-01	(D565:AUS/D665:AUS)  CUSHION INDIVIDUAL CARTON (D565:AUS) INDIVIDUAL CARTON (D565:AEP, UK, IT, G) INDIVIDUAL CARTON (D665:AUS, E)  INDIVIDUAL CARTON (D665:AEP, UK, IT, G)
Q608 Q608 Q609	8-749-010-25 8-729-020-52	IC LM3875-S (D665) TRANSISTOR MN2488-OPY-M (D665) TRANSISTOR 2SD2439-OPY (D565) TRANSISTOR MP1620-OPY-M (D665) TRANSISTOR 2SB1588-OPY (D565)		******	4-978-923-01	INDIVIDUAL CARTON (D665:SP)  *******************  **************
100	8-749-010-25 8-729-020-52 8-749-010-26 8-729-020-48 8-749-010-25	TRANSISTOR 2SD2439-OPY (D565) TRANSISTOR MP1620-OPY-M (D665) TRANSISTOR 2SB1588-OPY (D565)		#1 #2 #3 #4	7-685-646-79 7-621-849-00	SCREW +BVTT 3X8 (S) SCREW +BVTP 3X8 TYPE2 N-S SCREW, TAPPING SCREW +BVTT 4X6 (S)
Q758 Q759 Q759 AS902 AT901 AT901	1-426-710-11 1-427-873-11 1-427-874-11	TRANSISTOR MP1620-OPY-M (D665) TRANSISTOR 2SB1588-OPY (D565) SWITCH, PUSH (AC POWER) (1 KEY) TRANSFORMER, POWER (D665:AEP, UK, TRANSFORMER, POWER (D665:AUS)				
↑T901 ↑T901 *******	1-427-878-11	TRANSFORMER, POWER (D565:AEP, IT, TRANSFORMER, POWER (D565:AUS)				The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety.

Replace only with part number specified.

**Sony Corporation** 



Free service manuals Gratis schema's

Digitized by

AEP Model **UK Model** www.freeservicemanuals.info Australian Model STR-D565/D665

E Model

### **SUPPLEMENT-1**

File this supplement with the service manual.

Subject: 1. CORRECTION 2. BOARD CHANGED

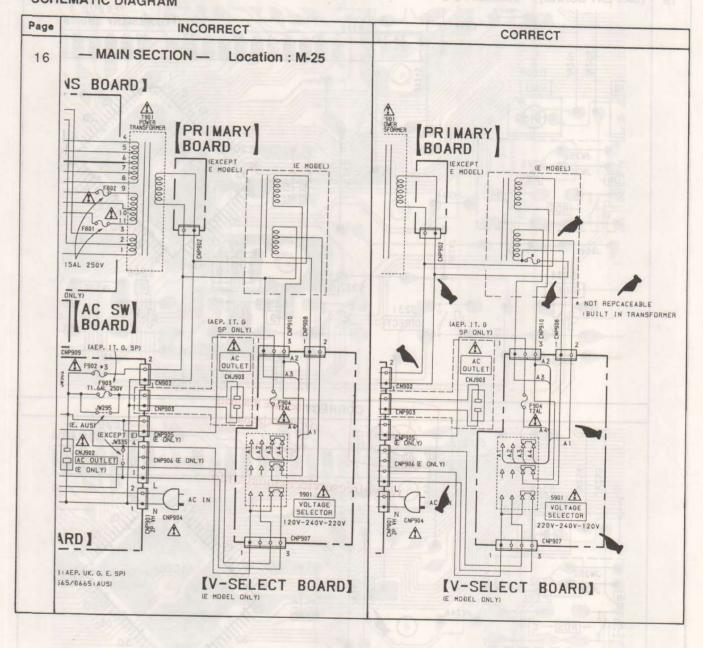
(ECN-TA503934)

Sony Corporation Consumer A&V Products Company Home A&V Products Div.

English 95L0974-1 Printed in Japan © 1995. 12 Published by Home A&V Products Div. Quality Engineering Dept.

# 1. CORRECTION As there are some mistakes in the previous service manual, please correct the followings. : Indicates corrected portion PRINTED WIRING BOARD - MAIN SECTION - (See page 11, 12) Location : E-22 AEP, G, EE, SP, AUS MODEL )ARD] AEP, IT, G, SP, AUS E,AUS AEP, UK, IT, G, SP MODEL [AC SW BOARD] BOARD] EXCEPT E MODEL [V SELECT BOARD] EXCEPT IE MODEL [SP SW BOARD] F802 0 000

: Indicates corrected portion SCHEMATIC DIAGRAM



Page

JM #

JW252

JW251

JW262

SHIFT

JW250

D203 HALL

JW248

JW252

JW262

SHIFT

JW250

JW251 \$222

[DISPLAY BOARD] Location: C-9

D203

HALL

\$222

JV248

C212

C212

INCORRECT

\$2320

CORRECT Service

rvicemanuals.info

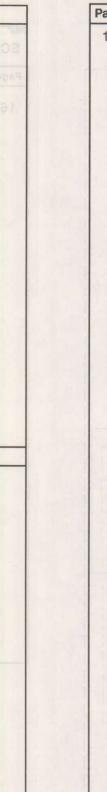
S236

S231 DIRECT

JW247

S231

\$2320



FLZOI FLUORESCENT INDICAT

JW237

JW236

FLUORESCENT INDICATOR

JW236

10201

