

STR-GA7ES/TA-VA7ES

SERVICE MANUAL

US Model
Canadian Model
Australian Model
STR-GA7ES
Chinese Model
TA-VA7ES



Manufactured under license from Dolby Laboratories Licensing Corporation.
"Dolby," the double-D symbol  and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.

Photo: STR-GA7ES

SPECIFICATIONS

Amplifier section

POWER OUTPUT

Stereo mode 8 ohms 20 Hz - 20 kHz,
90 W + 90 W

Surround mode 8 ohms at 1 kHz,
THD 0.8 %

	TA-VA7ES	STR-GA7ES
Front	100W/ch	90 W/ch
Center	100W	90 W
Rear	40W/ch	40 W/ch

Dynamic power 140 W + 140 W, 8 ohms
output (STR-GA7ES) 240 W + 240 W, 4 ohms

Harmonic distortion at rated output Less than 0.05 %

Frequency response PHONO: RIAA
equalization curve
 ± 0.5 dB
CD, TAPE, DAT/MD,
TV, LD, VIDEO 1, 2:
STR-GA7ES:
10 Hz - 50 kHz, ± 1 dB
TA-VA7ES:
20Hz-50kHz, ± 0.5 dB

Inputs (STR-GA7ES)

	Sensitivity	Impedance	S/N*
PHONO (MM)	2.5 mV	50 kilohms	75 dB
CD, TAPE, DAT/MD, VIDEO 1, 2, 3, TV, LD	150 mV	50 kilohms	82 dB

* '78 IHF

Inputs (TA-VA7ES)

	Sensitivity	Impedance	S/N (Weighting network, input level)
PHONO (MM)	2.5 mV	50 kilohms	78 dB (A, 5 mV)
CD, TAPE, DAT/MD, VIDEO 1, 2, 3, TV, LD, TUNER	150 mV	50 kilohms	92 dB (A)

Outputs

REC OUT VIDEO 1, 2 (AUDIO) OUT:
Voltage 250 mV,
Impedance 10 kilohms
WOOFER OUT
Voltage: 2 V
Impedance: 1 kilohms
PHONES: Accepts low and high impedance headphones

BASS BOOST +7 dB at 70 Hz

Digital signal processor section

Surround **DELAY TIME**
In PRO LOGIC mode:
15.0 ms - 30 ms, 5 ms step
In other sound field modes
5 ms - 30 ms, 5 ms step
REAR LEVEL
-15 dB - +10 dB, 1 dB step
CENTER LEVEL**

** Only for sound fields with a CENTER LEVEL parameter

- Continued on page 2 -

STR-GA7ES
FM STEREO/FM-AM RECEIVER

TA-VA7ES
INTEGRATED AV AMPLIFIER

SONY®

TONE ± 8 dB at 100 Hz and 10 kHz

FM tuner section (STR-GA7ES)

Tuning range 87.5 - 108.0 MHz

Antenna terminals 75 ohms, unbalanced

Sensitivity Mono: 18.3 dBf, 4.5 μ V
Stereo: 38.3 dBf, 45 μ V

Usable sensitivity 11.2 dBf, 2 μ V (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz Mono: 0.3 %
Stereo: 0.5 %

Separation 45 dB at 1 kHz

Frequency response 30 Hz - 15 kHz $^{+0.5}_{-2}$ dB

Selectivity 60 dB at 400 kHz

AM tuner section (STR-GA7ES)

Tuning range With 10 kHz interval*: 530 - 1710 kHz
With 9 kHz interval: 531 - 1710 kHz

Antenna Loop antenna

Usable sensitivity 50 dB/m (at 1,000 kHz or 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5 % (50 mV/m, 400 kHz)

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

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

Video section

Inputs VIDEO 1, 2, TV:
1 Vp-p 75 ohms

Outputs VIDEO 1, 2, MONITOR:
1 Vp-p 75 ohms

General

System Tuner section (STR-GA7ES):
PLL quartz-locked digital synthesizer system
Preamplifier section:
Low-noise NF type equalizer
Power amplifier section:
Pure-complimentary SEPP

Power requirements USA and Canadian model:
120 V AC, 60 Hz
Australian model:
240 V AC, 50 Hz
Chinese model:
220-230V AC, 50/60Hz

Power consumption USA model: 280 W
Canada model: 390 VA
Other models: 310 W

AC outlets Australian model:
1 switched, total 120 W
Other models:
2 switched, total 120 W

Dimensions 430 x 160 x 425 mm
(17 x 6 $\frac{3}{8}$ x 16 $\frac{3}{4}$ inches)

Mass (Approx.) 13.8 kg (30 lb 7 oz)

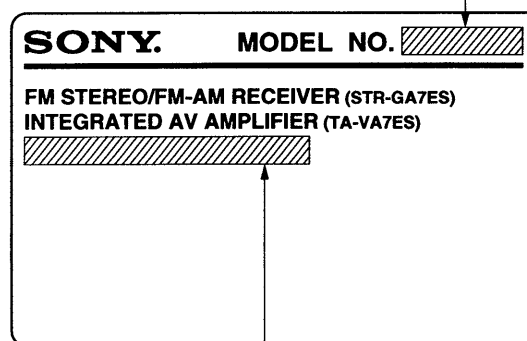
Supplied accessories Remote commander (remote) (1)
Size AA (R6) batteries (2)
STR-GA7ES:
FM wire antenna (1)
AM loop antenna (1)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION

— Specification Label Printed on Back Panel —

STR-GA7ES
TA-VA7ES



US, Canadian model : AC 120 V 60 Hz
Australian model : AC 240 V 50Hz
Chinese model : AC 220-230 V 50/60 Hz

TABLE OF CONTENTS

1. GENERAL	4
2. DIAGRAMS	
2-1. IC Pin Function Description	6
2-2. Printed Wiring Boards	
– DISPLAY/SURROUND Section –	10
2-3. Schematic Diagrams	
– DISPLAY/SURROUND Section –	13
2-4. Printed Wiring Boards – VIDEO Section –	19
2-5. Schematic Diagram – VIDEO Section –	23
2-6. Printed Wiring Boards – MAIN Section –	28
2-7. Schematic Diagram – MAIN Section –	33
2-8. Printed Wiring Boards – SUB Section –	40
2-9. Schematic Diagram – SUB Section –	43
3. EXPLODED VIEWS	47
4. ELECTRICAL PARTS LIST	51

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

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

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

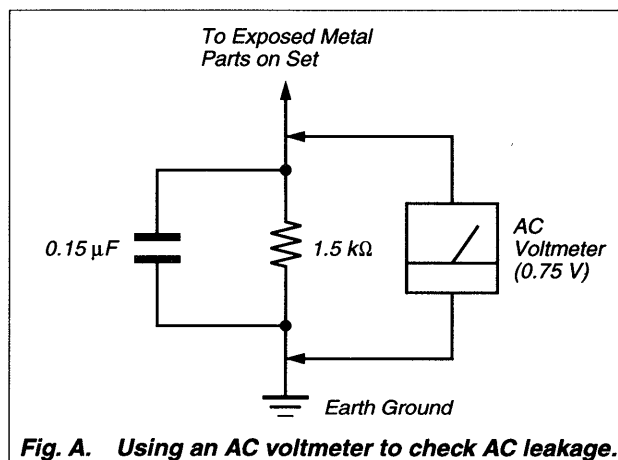


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

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

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

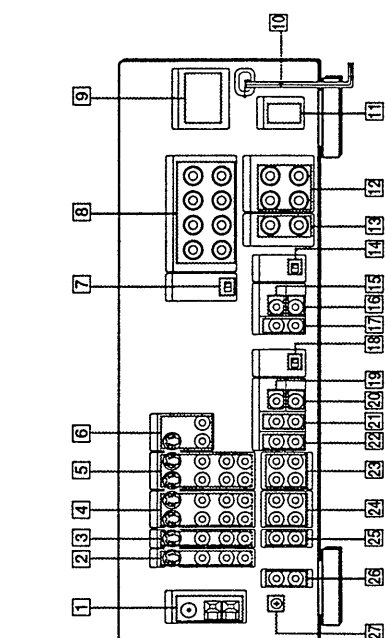
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE $\triangle$ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

This section is extracted from instruction manual.

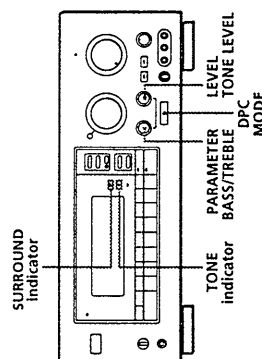
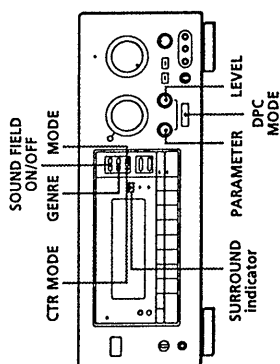
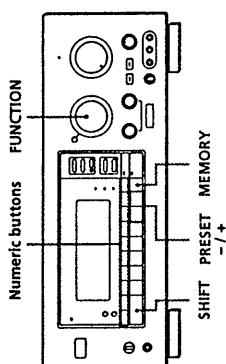
SECTION 1 GENERAL

• STR-GA7ES

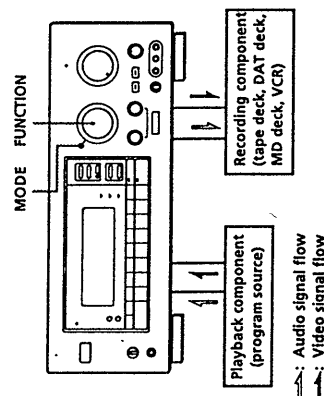
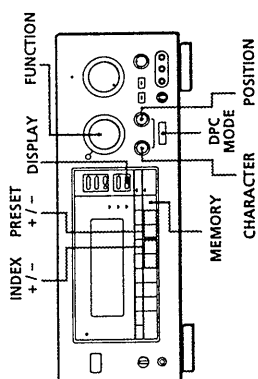
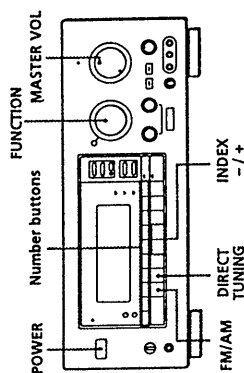
Rear Panel Descriptions



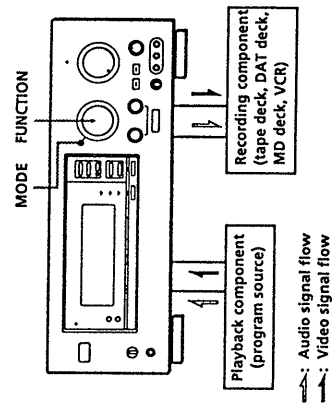
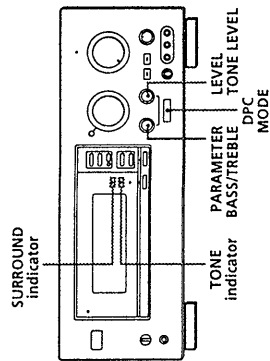
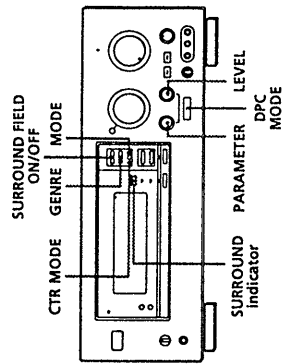
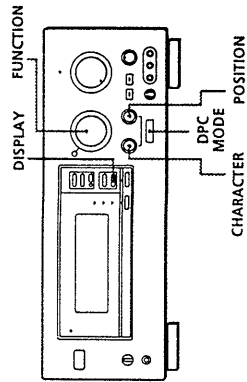
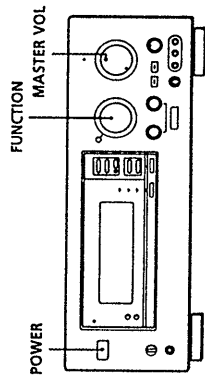
- | | |
|---|---|
| 1 ANTENNA (AM/FM) | 13 5.1 INPUT (CENTER) |
| 2 TV/DBS | 14 AC power cord |
| 3 LD | 15 VOLTAGE SELECTOR (certain models only) |
| 4 VIDEO 2 | 16 REAR SPEAKERS |
| 5 VIDEO 1 | 17 CENTER SPEAKER |
| 6 MONITOR (see page 7) | 18 POWER SWAP (see page 7) |
| 7 IMPEDANCE SELECTOR (see page 7) | 19 SURROUND OUT (CENTER) |
| 8 FRONT SPEAKERS (A/B) | 20 SURROUND OUT (WOOFER) |
| 9 SWITCHED AC OUTLETS (Outlet shape and position varies according to destination) | 21 SURROUND OUT (REAR) |
| | 22 5.1 INPUT (REAR) |
| | 23 5.1 INPUT (FRONT) |
| | 24 TAPE |
| | 25 DAT/MD |
| | 26 CD |
| | 27 PHONO |
| | 28 $\varnothing$ ground terminal |



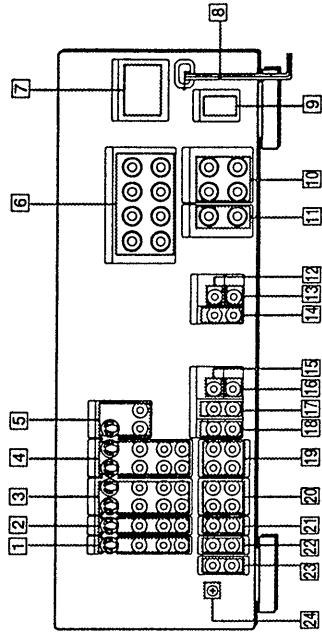
Front Panel Descriptions



Front Panel Descriptions



Rear Panel Descriptions



- | | | |
|---|--|---------------------------|
| 1 TV | 8 AC power cord | 16 5.1 INPUT (WOOFER) |
| 2 LD | 9 VOLTAGE SELECTOR (certain models only) | 17 5.1 INPUT (REAR) |
| 3 VIDEO 2 | 10 REAR SPEAKERS | 18 5.1 INPUT (FRONT) |
| 4 VIDEO 1 | 11 CENTER SPEAKER | 19 TAPE |
| 5 MONITOR | 12 SURROUND OUT (CENTER) | 20 DAT/MD |
| 6 FRONT SPEAKERS (A/B) | 13 SURROUND OUT (WOOFER) | 21 CD |
| 7 SWITCHED AC OUTLETS (Outlet shape and position varies according to destination) | 14 SURROUND OUT (REAR) | 22 TUNER |
| | 15 5.1 INPUT (CENTER) | 23 PHONO |
| | | 24 ϕ ground terminal |

SECTION 2 DIAGRAMS

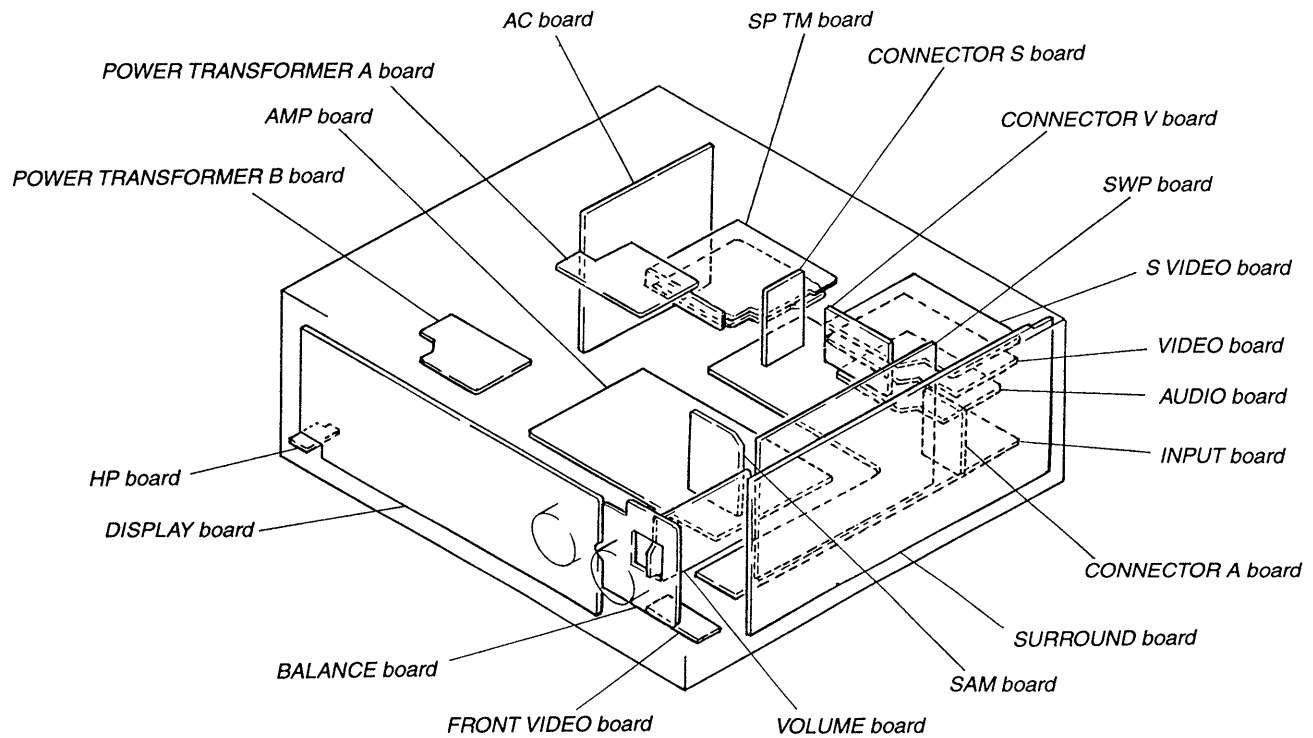
2-1. IC PIN FUNCTION DESCRIPTION

DISPLAY BOARD IC101 MB90673PF-G-164-BND (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Function
1	KIN6	I	Key Input
2	KIN7	I	
3	KOUT0	O	Key output
4	KOUT1	O	
5	KOUT2	O	
6	KOUT3	O	
7	KOUT4	O	
8	KOUT5	O	
9	V-INT	O	Not used (Open)
10	SW-SPOFF	I	SP OFF SW input
11	VSS	–	Ground
12	LED-VOL	O	Volume LED signal output
13	LED-STBY	I/O	Standby LED signal input/output
14	T-IFD	I	PLL data input
15	T-STEREO	I	Stereo signal input
16	T-A. STOP	I	Tuner auto stop signal input
17	T-MUTE	O	Tuner mute signal output
18	F-MUTE	O	Function mute signal output
19	A-MUTE	O	All mute signal output
20	RX	I	Data input from OSD microcomputer (IC809)
21	TX	O	Data output to OSD microcomputer (IC809)
22	BUSY	I	Busy signal input. Not used (Connected to Ground)
23	FL CLR	O	FL clear output
24	FL DAT	O	FL data output
25	FL CLK	O	FL clock output
26	FL LAT	O	FL latch output
27	SIRCS	I	Sircs input
28	AVCC	–	Analog power supply (+5 V)
29	AVR+	–	Reference voltage (+5 V)
30	AVR-	–	Reference voltage (Ground)
31	AVSS	–	Analog power supply (Ground)
32	SW-POWER.T	I	Power SW (from S134)input
33	SW-POWER.M	I	Power SW (from S133) input
34	VSS	–	Ground
35	SW-SPA+B	I	SP SW A+B signal input
36	VOL+	O	Volume + control
37	VOL–	O	Volume – control
38	SW–LC, FIL	I	Low cut filter SW input
39	SW-4/8	I	4-8 SW input
40	SLAT	O	Serial latch output
41	MDO	I	Mode select input Fixed at “H” (Connected to +5 V)
42	MD1	I	
43	MD2	I	Mode select input (Connected to Ground)
44	HSTX	–	HSTX Fixed at “H” (Connected to +5 V)

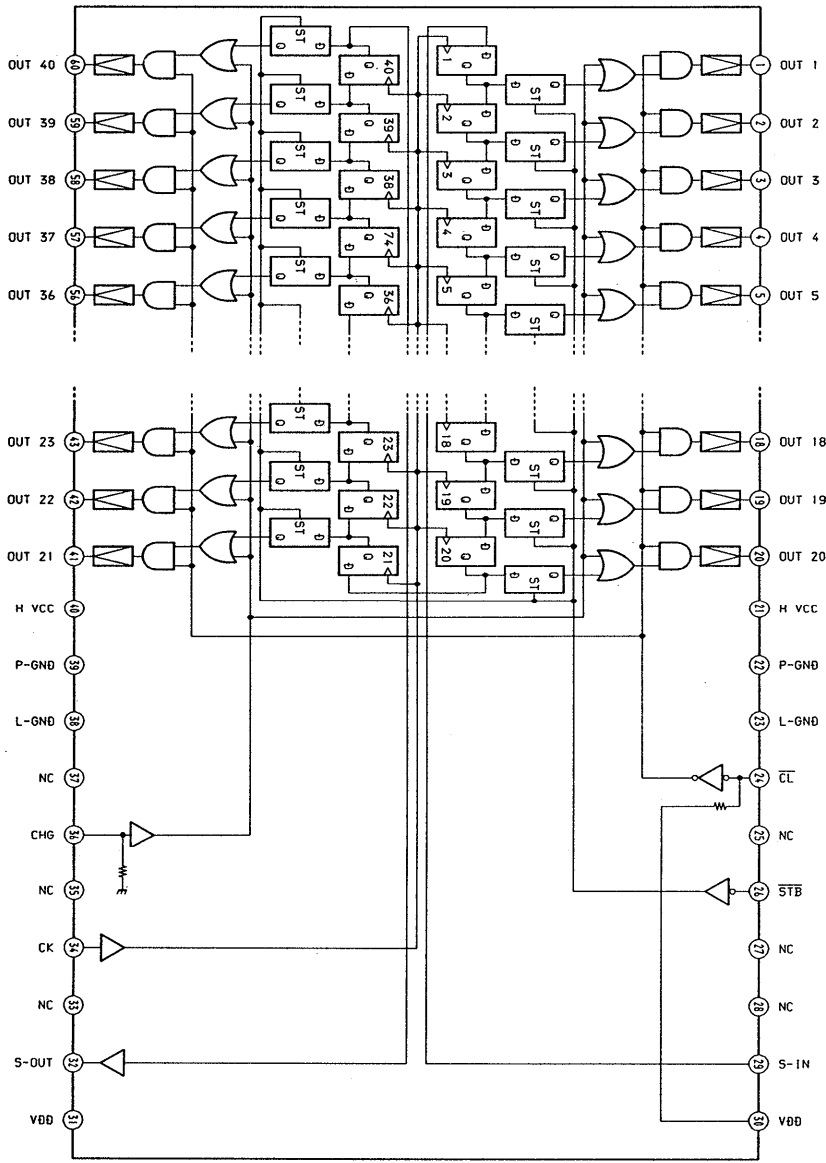
Pin No.	Pin Name	I/O	Function
45	STOP	I	STOP signal input
46	SLCK	O	Serial clock output
47	SDAT	O	Serial data output
48	LAT-SUR	O	Surround latch output
49	LAT-TONE	O	Tone Latch output
50	LAT-EXT	O	EXT latch output
51	INH	O	Video inhibit output
52	RY-POWER	O	Power relay output
53	SW-31	I	Connected to Ground
54	SW-SWAP	I	SWAP SW input
55	ENC-FNC.B	I	Function (B) encoder input
56	ENC-FNC.A	I	Function (A) encoder input
57	ENC-U/D.B	I	Up/down (B) encoder input
58	ENC-U/D.A	I	Up/down (A) encoder input
59	ENC-L/R.B	I	L/R (B) encoder input
60	ENC-L/R.A	I	L/R (A) encoder input
61	PROTECT	I	Protect signal input
62	RESET	I	Reset signal input
63	VSS	–	Ground
64	XO	O	System clock OSC(4.0 MHz)
65	XI	I	
66	VCC	–	Power supply (+5 V)
67	LED-MUTE	O	MUTE LED signal output
68	LED-5.1	O	5.1 LED signal output
69	LED-TAPE	O	TAPE LED signal output
70	LED-DIRECT	O	DIRECT PASS LED signal output
71	LED-BASS.B	O	BASS BOOST LED signal output
72	LED-INDEX	O	INDEX LED signal output
73	LED-EQ	O	EQ LED signal output
74	LED-SURR	O	SURROUND LED signal output
75	KINO	I	Key input
76	KIN1	I	
77	KIN2	I	
78	KIN3	I	
79	KIN4	I	
80	KIN5	I	

• **Circuit Boards Location**

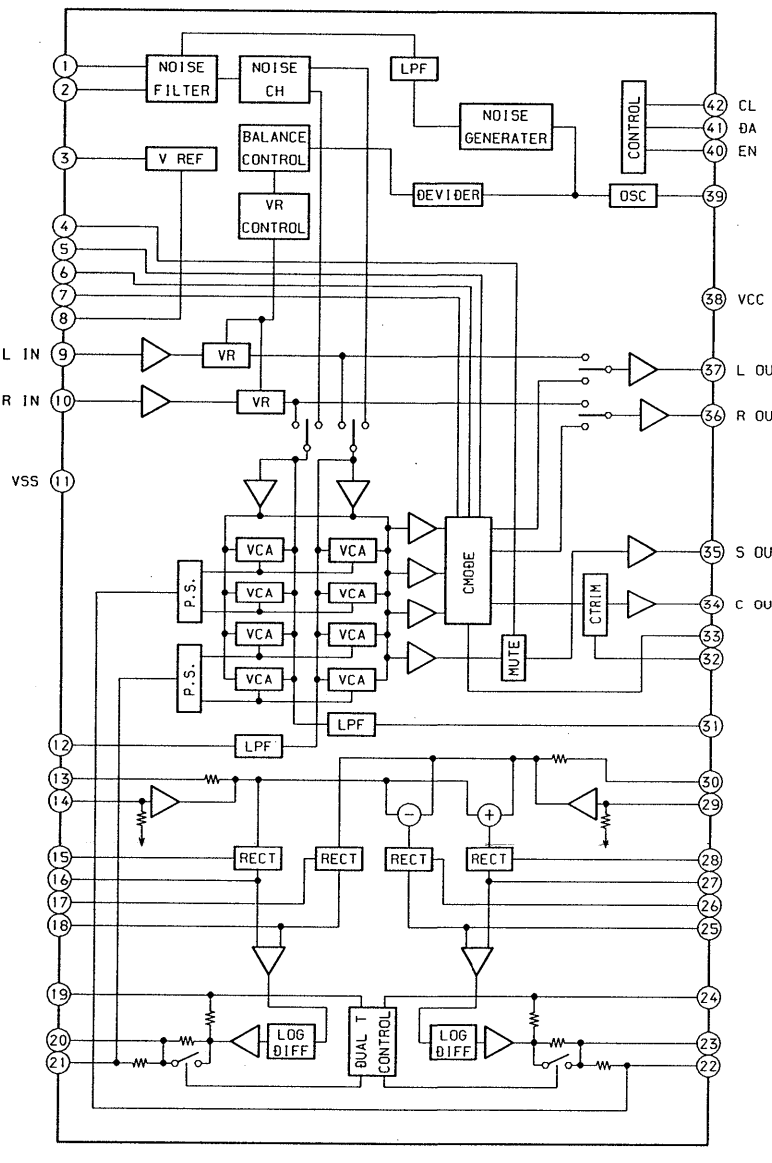


• IC Block Diagrams

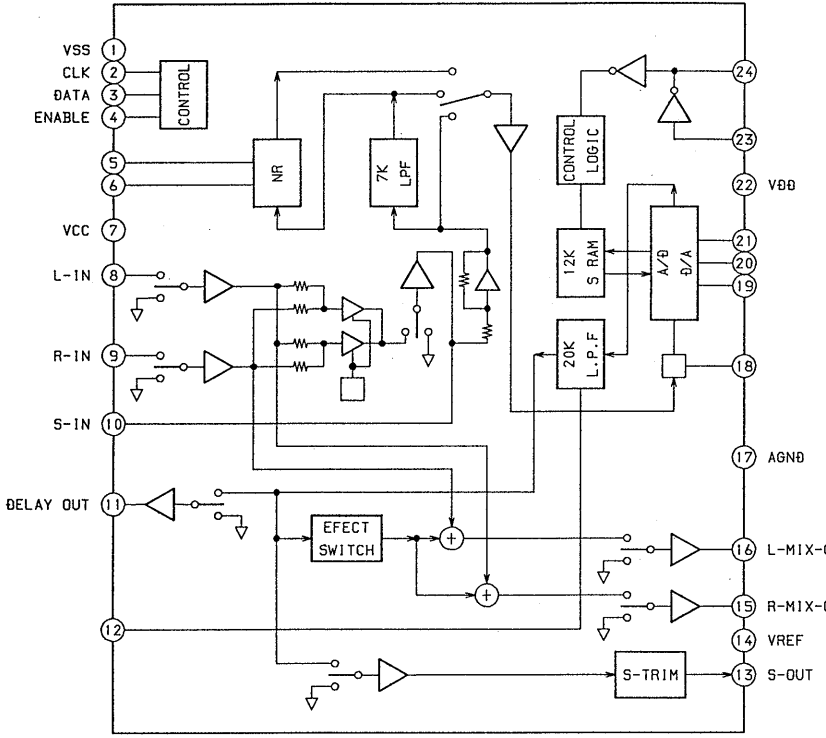
IC100, 105 TD62C950RF



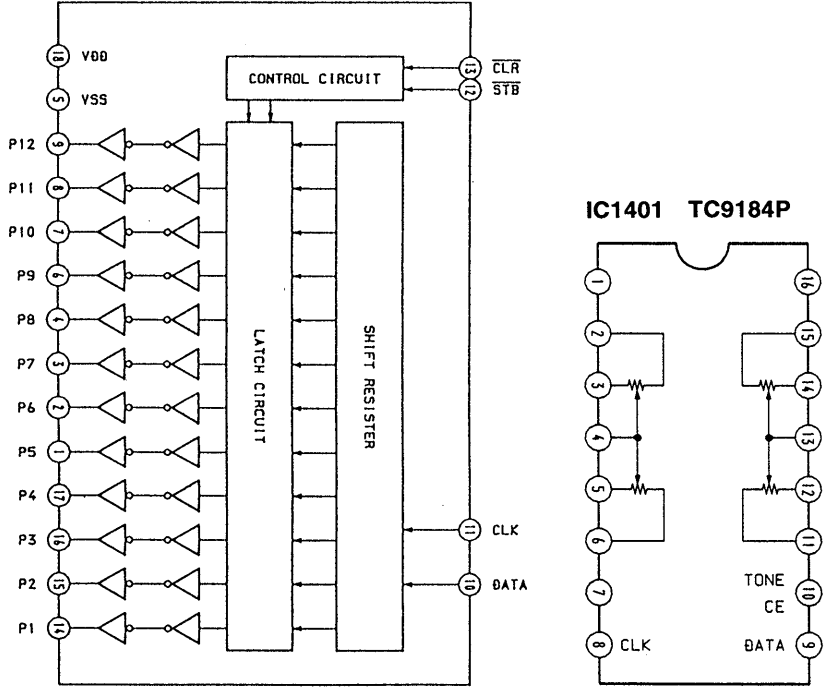
IC1301 LA2785



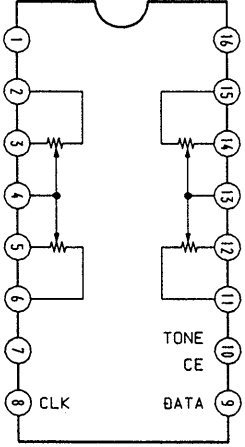
IC1302 LV1011



IC1403 NJU3713D



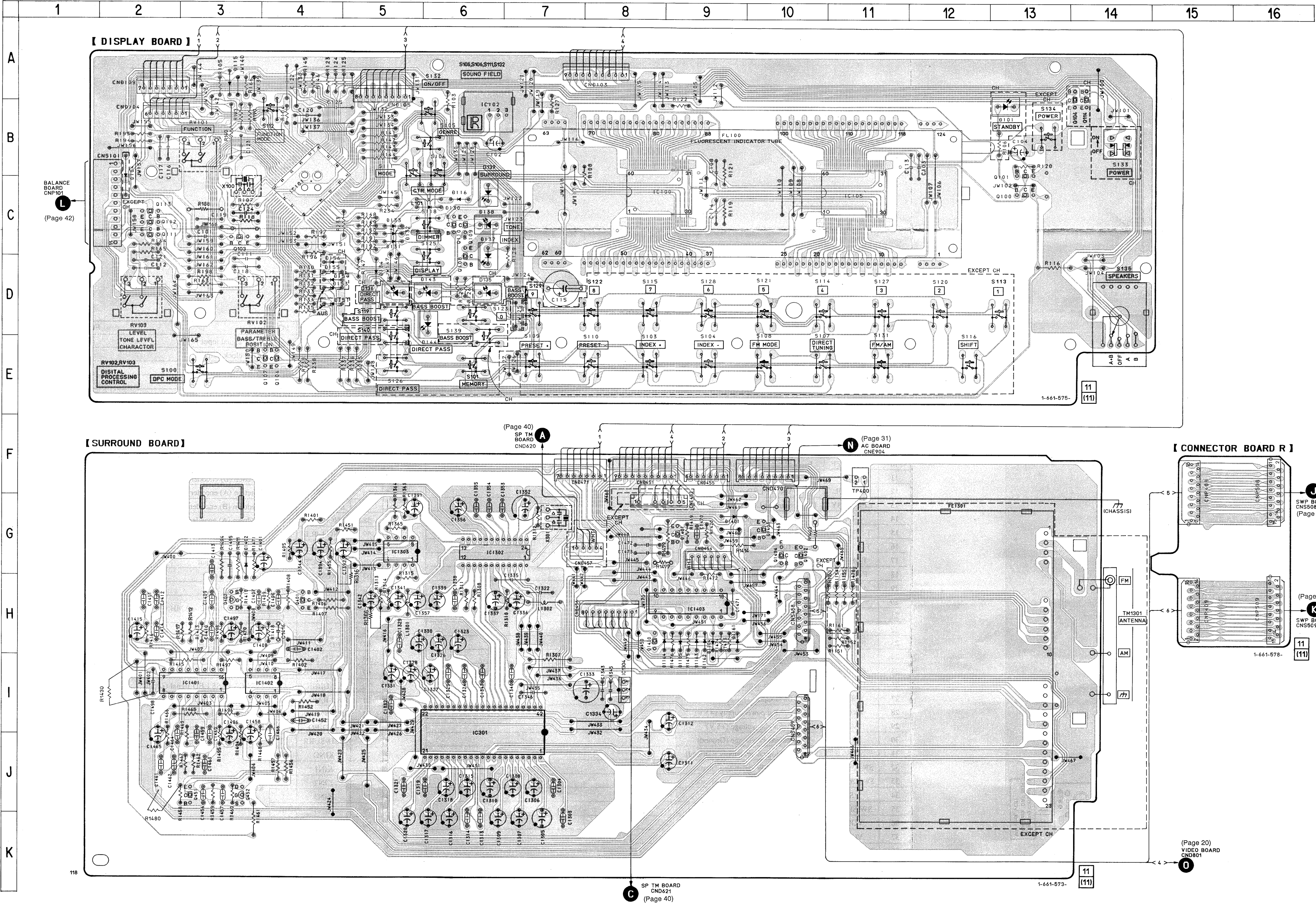
IC1401 TC9184P



Note on Printed Wiring Boards:
• : parts extracted from the component side.
• : parts extracted from the conductor side.
• : internal component.
• : Pattern from the side which enables seeing.
• Abbreviation
AUS : Australian
CH : Chinese

Semiconductor Location		
Ref. No.	Location	
D101	B-13	
D104	C-2	
D115	A-3	
D116	C-6	
D130	C-6	
D131	C-5	
D132	C-5	
D133	C-5	
D134	D-5	
D135	D-6	
D136	D-5	
D137	D-6	
D138	C-6	
D139	C-6	
D143	D-6	
D144	E-6	
D151	D-4	
D153	D-4	
D154	D-4	
D155	D-4	
D156	D-4	
D1104	H-9	
D1105	H-9	
D1161	H-9	
D1162	H-9	
D1163	H-9	
D1164	H-8	
D1401	G-9	
D1402	G-3	
IC100	C-8	
IC101	C-4	
IC102	B-6	
IC105	C-11	
IC1301	J-6	
IC1302	G-6	
IC1303	G-5	
IC1304	I-8	
IC1401	I-3	
IC1402	I-3	
IC1403	H-9	
Q100	C-13	
Q101	B-13	
Q103	C-3	
Q104	A-14	
Q106	E-4	
Q107	E-4	
Q108	D-6	
Q109	C-6	
Q110	C-6	
Q111	C-2	
Q112	C-2	
Q113	C-2	
Q114	A-14	
Q401	H-4	
Q402	H-3	
Q451	J-3	
Q452	J-3	
Q1401	G-9	
Q1402	G-10	
Q1403	G-10	
Q1404	G-10	
Q1410	H-8	

2-2. PRINTED WIRING BOARDS – DISPLAY/SURROUND Section – • See page 8 for Circuit Boards Location.

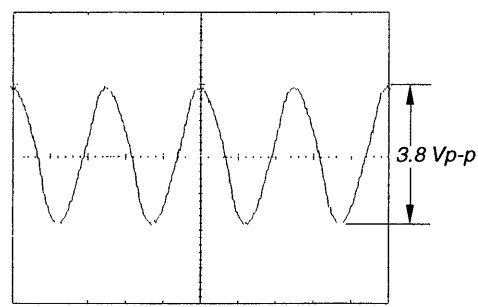


Note on Schematic Diagram:

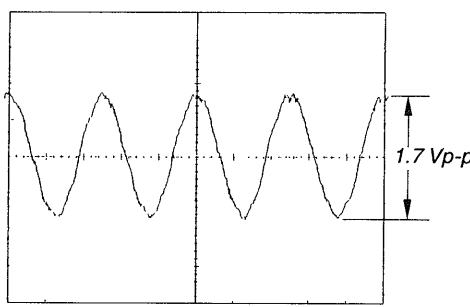
- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4} \text{ W}$ or less unless otherwise specified.
- Δ : internal component.
- $\square$: panel designation.
- $\text{B}+$: B + Line.
- $\text{B}-$: B - Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- Voltages are taken with a VOM (input impedance $10 \text{ M}\Omega$).
- Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- $\Rightarrow$: FM
- Abbreviation
- AUS : Australian
- CH : Chinese

Waveforms

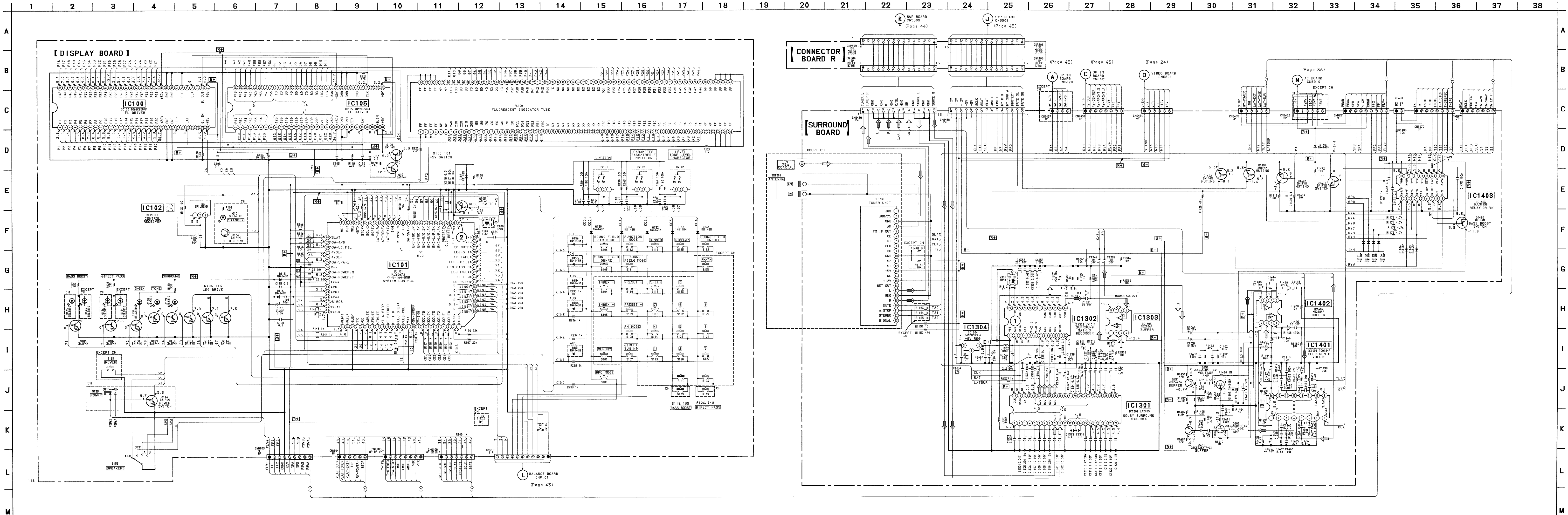
IC102 @ 8 MHz



IC101 @ 4 MHz



2-3. SCHEMATIC DIAGRAM – DISPLAY/SURROUND Section –



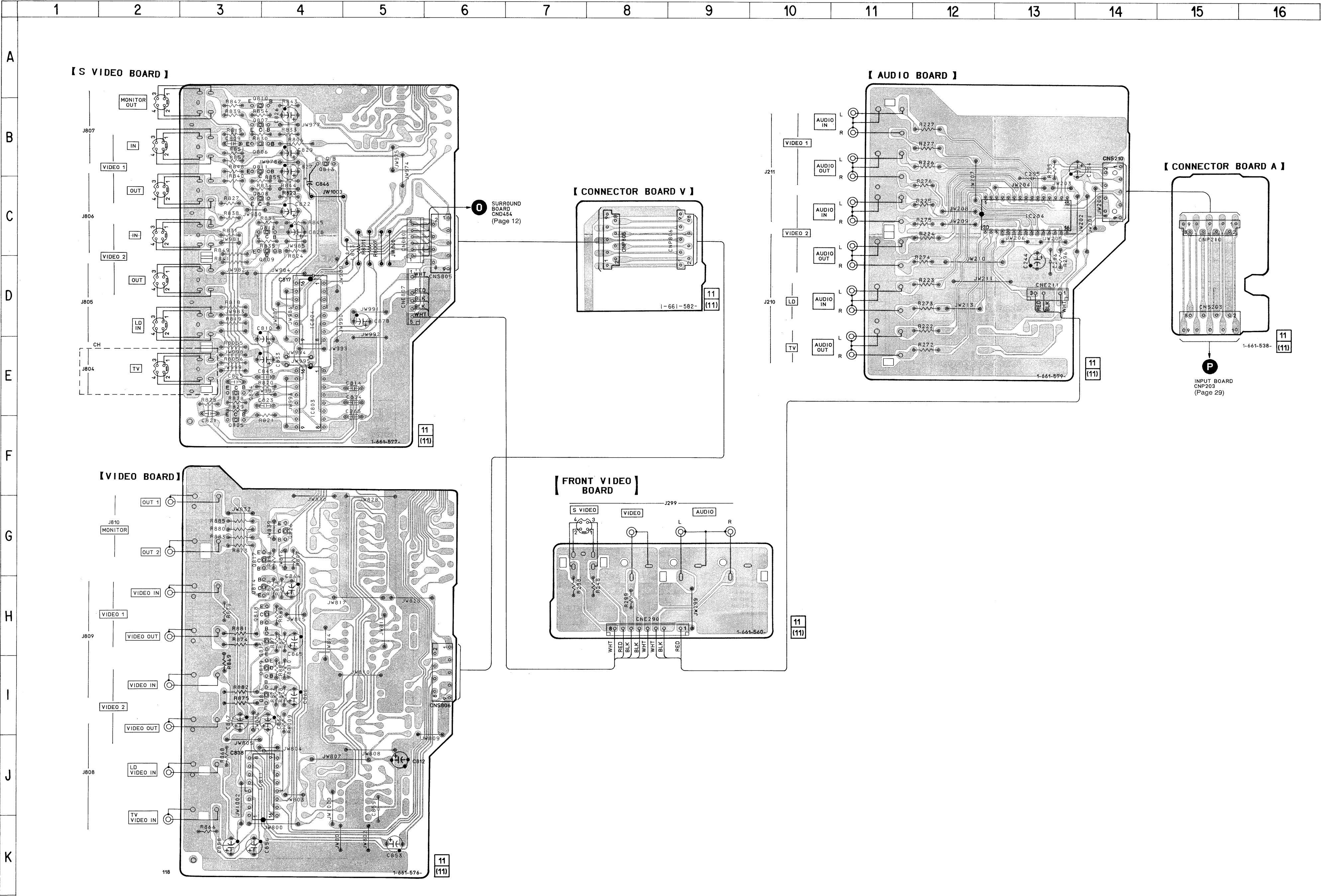
2-4. PRINTED WIRING BOARDS – VIDEO Section – • See page 8 for Circuit Boards Location.

• Semiconductor Location

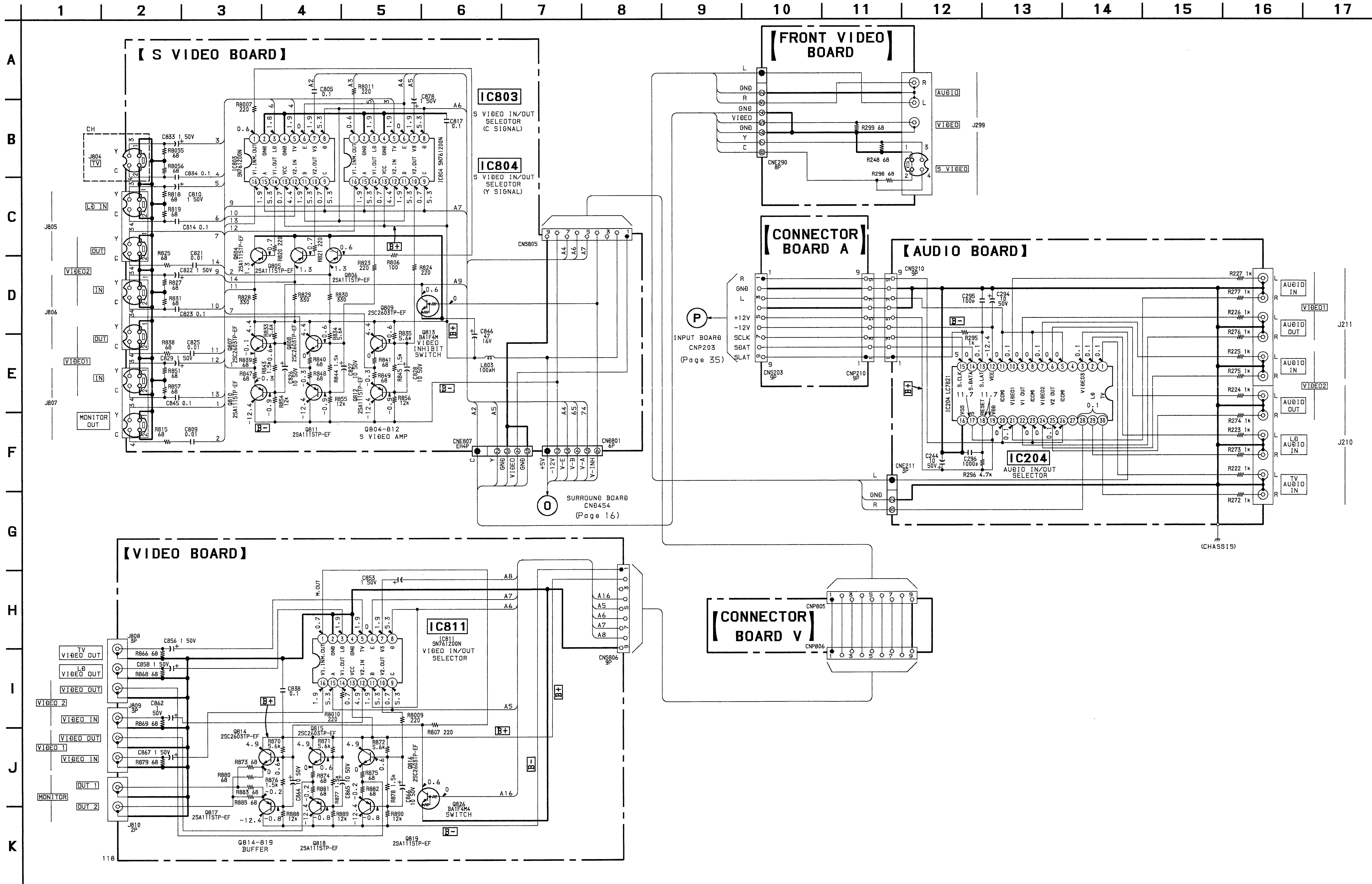
Ref. No.	Location
IC204	C-13
IC803	E-4
IC804	D-4
IC811	J-4
Q804	E-3
Q805	F-3
Q806	B-3
Q807	B-3
Q808	C-3
Q809	C-4
Q810	B-3
Q811	B-3
Q812	C-4
Q813	B-4
Q814	H-4
Q815	H-4
Q816	I-4
Q817	G-4
Q818	H-4
Q819	I-4
Q826	G-4

Note on Printed Wiring Boards:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- ▨ : Pattern from the side which enables seeing.
- Abbreviation
- AUS : Australian
- CH : Chines

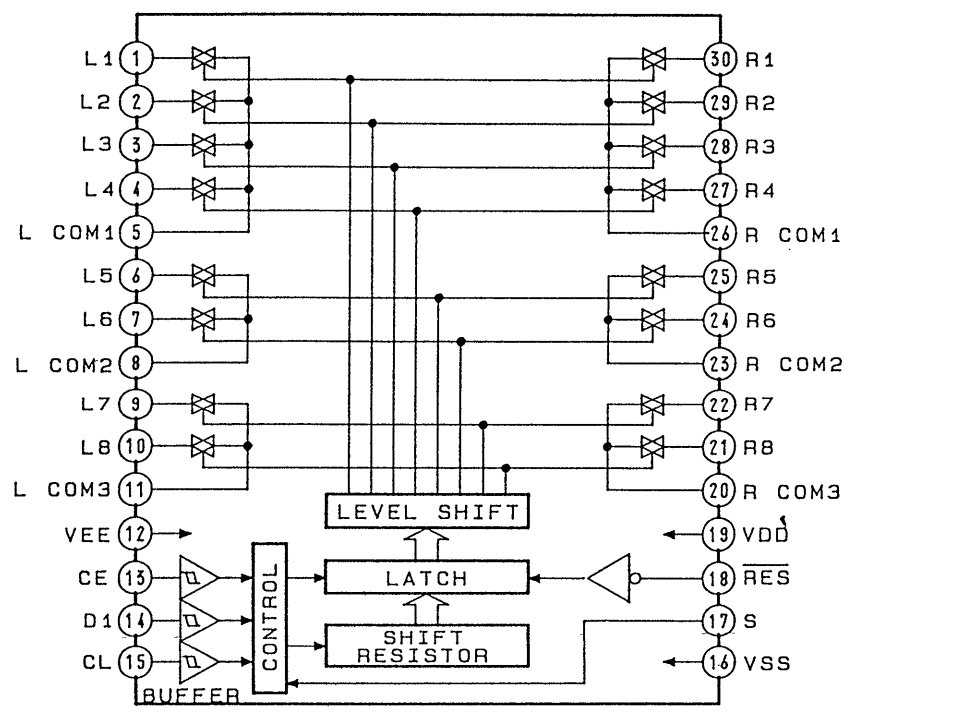


2-5. SCHEMATIC DIAGRAM – VIDEO Section –

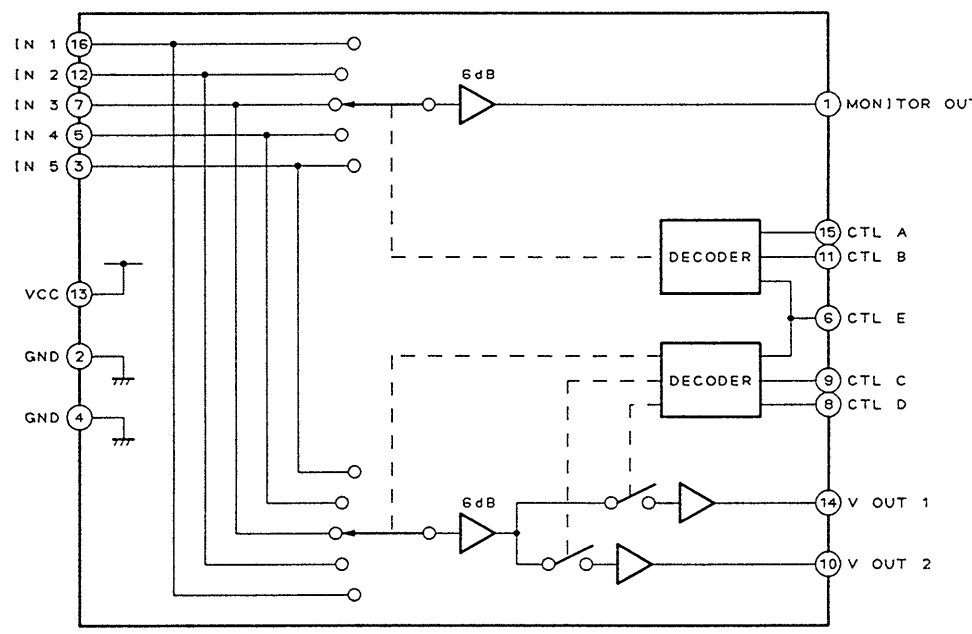


• IC Block Diagrams

IC204 LC7821



IC803, 804, 811 SN761200N

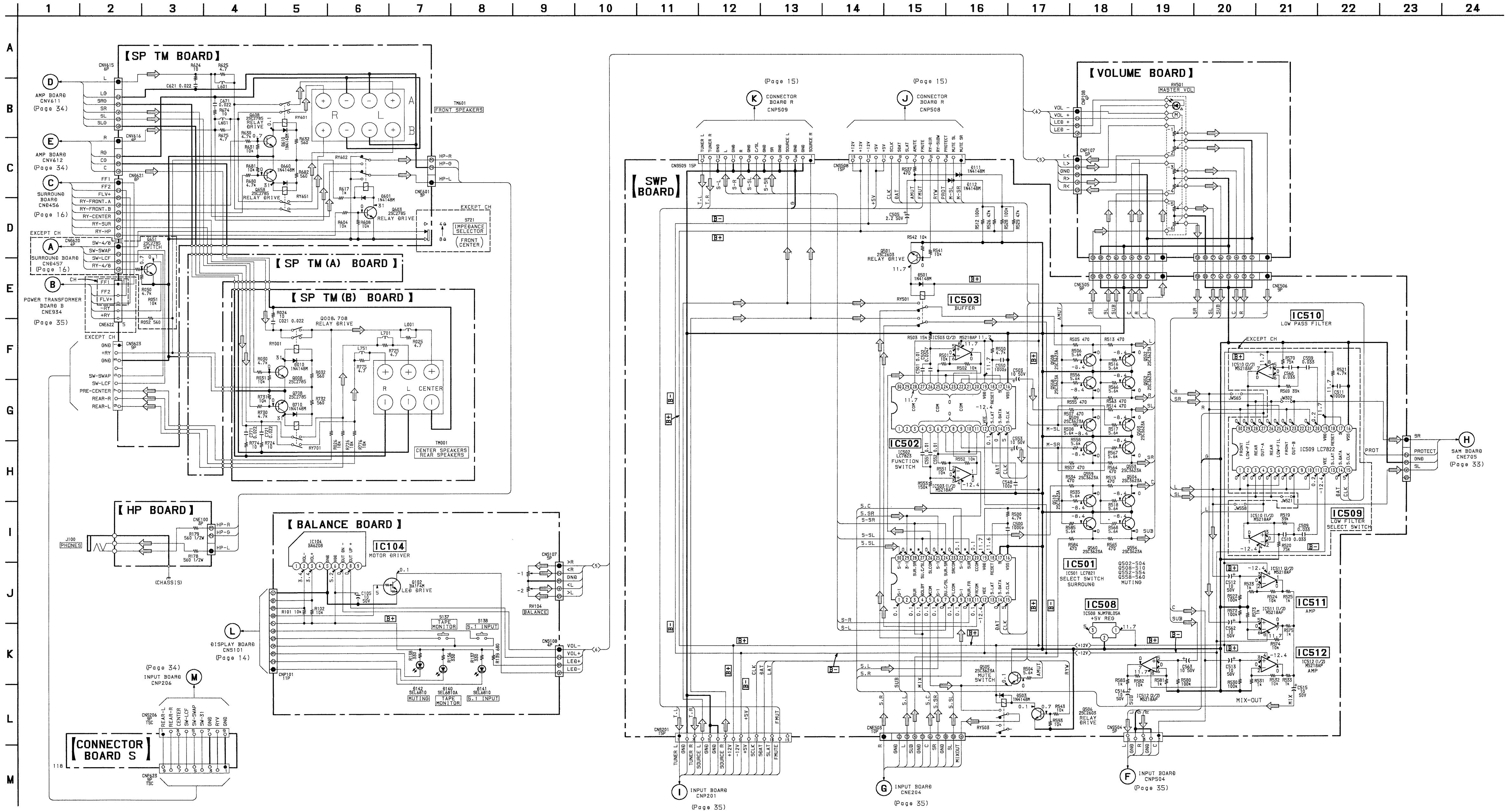


Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.
- $\square$: panel designation.
- $\square$: B + Line.
- $\square$: B - Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
- no mark: FM
- Voltages are taken with a VOM (input impedance 10 $\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- $\square$: FM
- Abbreviation
- AUS: Australian
- CH: Chinese

Ref. No.	Location	Ref. No.	Location
D001	I-24	I971	D-6
D002	I-23	I972	D-4
D901	E-14	I973	E-6
D902	E-14		
D903	E-14	0001	I-22
D904	F-14	0002	F-21
D905	E-15	0005	H-21
D906	E-15	0006	F-21
D907	G-15	0007	F-21
D908	E-6	0110	I-24
D909	C-6	0011	D-24
D910	C-6	0012	I-23
D911	C-6	0201	H-6
D912	C-6	0202	E-6
D913	C-4	0251	I-6
D914	C-5	0801	E-25
D915	C-4	0802	E-25
D916	H-9	0906	D-25
D917	G-9	0908	C-25
D918	F-11	0607	B-24
D919	F-11	0651	E-21
D920	F-12	0652	E-21
D921	F-10	0655	D-21
D922	B-23	0856	C-21
D923	B-23	0857	B-22
D924	H-9	0951	B-22
D925	F-23	0702	F-25
D926	G-22	0705	F-25
D927	B-11	0706	F-25
D928		0751	I-18
D929	J-10	0751	I-18
IC001	J-5	0752	F-25
IC002	I-6	0755	H-25
IC203	G-5	0755	G-25
IC253	G-5	0757	H-25
IC601	J-14	0901	C-15
IC602	J-11	0901	C-15
IC701	H-18	0971	H-9
IC901	D-15		

2-9. SCHEMATIC DIAGRAM - SUB Section -



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}$ W or less unless otherwise specified.
- Δ : Internal component.
- $\square$: panel designation.
- $B+$: B+ Line.
- $B-$: B- Line.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM
- * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
- $\rightarrow$: FM
- Abbreviation
- CH : Chinese

SECTION 3 EXPLODED VIEWS

NOTE:

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

↑
Parts Color

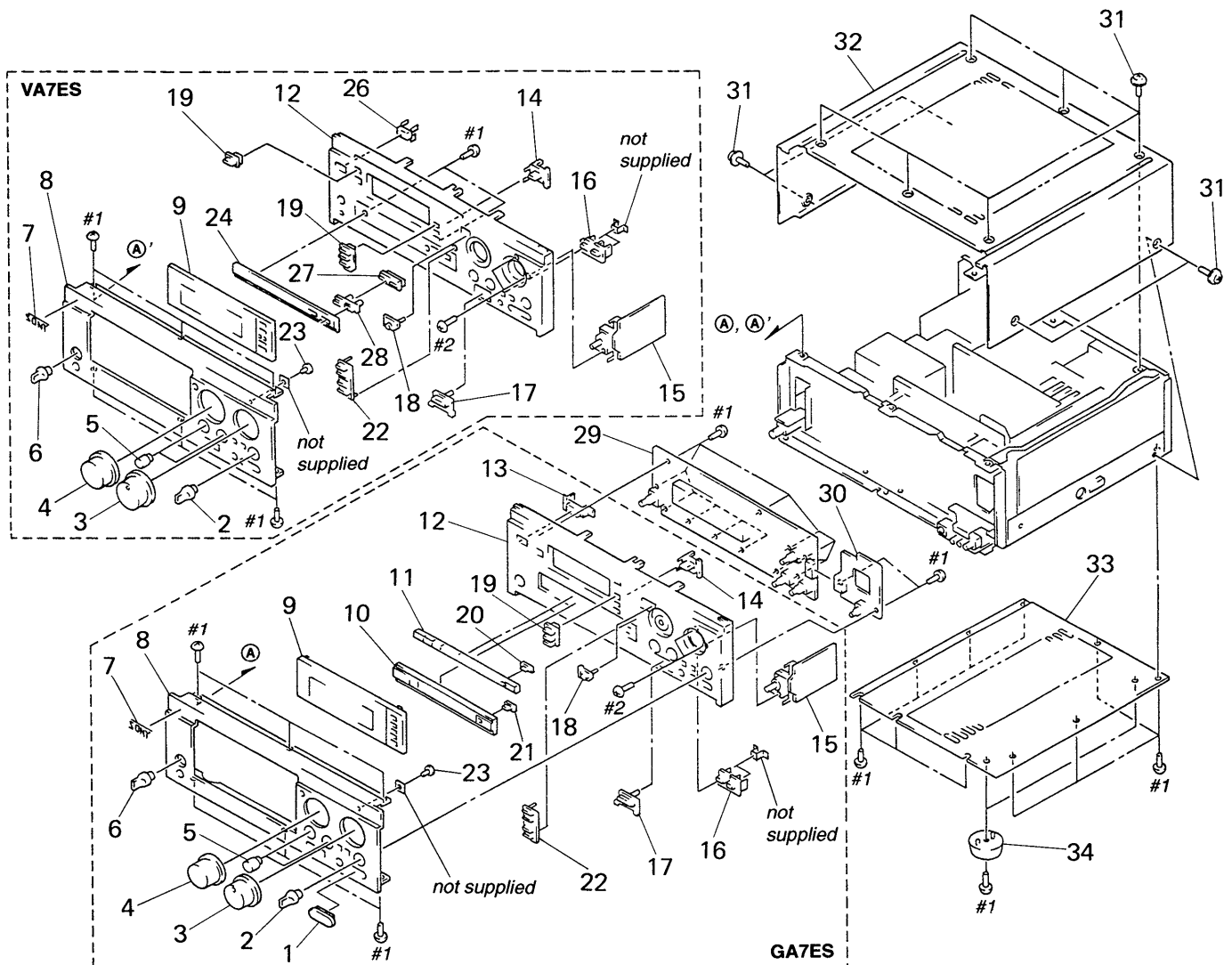
↑
Cabinet's Color
- Abbreviation
CND : Canadian
CH : Chinese

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

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

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

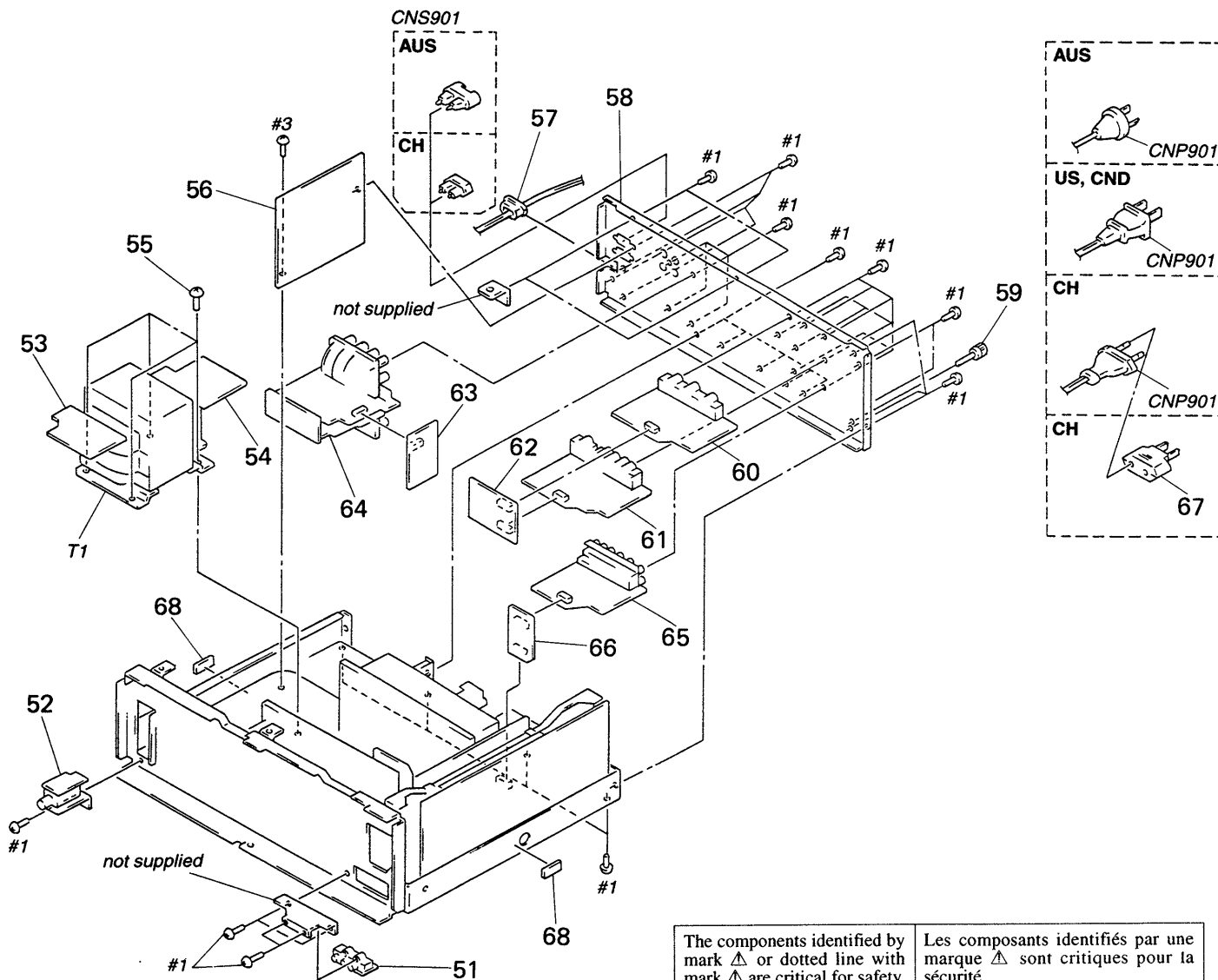
(1) CASE, FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	4-982-083-01	COVER (V3) (GA7ES)	
2	4-982-074-01	KNOB (R19-B) (BLACK) (GA7ES)	
2	4-982-074-11	KNOB (R19-B) (GOLD) (VA7ES)	
3	X-4947-139-1	KNOB (R48F) ASSY (BLACK) (GA7ES)	
3	X-4947-139-2	KNOB (R48F) ASSY (GOLD) (VA7ES)	
4	X-4947-140-1	KNOB (R48V) ASSY (BLACK) (GA7ES)	
4	X-4947-140-2	KNOB (R48V) ASSY (GOLD) (VA7ES)	
5	4-982-073-01	KNOB (R19-A) (BLACK) (GA7ES)	
5	4-982-073-11	KNOB (R19-A) (GOLD) (VA7ES)	
6	4-957-383-01	KNOB (F14) (BLACK) (GA7ES)	
6	4-957-383-11	KNOB (F14) (GOLD) (VA7ES)	
7	4-942-568-01	EMBLEM (NO. 5), SONY (GA7ES)	
7	4-942-568-21	EMBLEM (NO. 5), SONY (VA7ES)	
8	4-982-093-21	PANEL (E4), FRONT (BLACK) (GA7ES)	
8	4-982-093-61	PANEL (E4), FRONT (GOLD) (VA7ES)	
9	4-982-084-11	PLATE (E4), INDICATION (GA7ES)	
9	4-982-084-31	PLATE (E4), INDICATION (VA7ES)	
10	4-982-076-01	BUTTON (B) (GA7ES)	
11	4-982-075-01	BUTTON (A) (GA7ES)	
12	4-982-270-01	BASE (E4), PANEL (BLACK) (GA7ES)	
12	4-982-270-21	BASE (E4), PANEL (GOLD) (VA7ES)	
13	4-979-936-01	BUTTON (P-T) (BLACK) (GA7ES)	
14	4-982-080-01	BUTTON (F)	
* 15	1-661-563-11	VOLUME BOARD	
16	4-982-077-01	BUTTON (C) (BLACK) (GA7ES)	

Ref. No.	Part No.	Description	Remark
16	4-982-077-11	BUTTON (C) (GOLD) (VA7ES)	
17	4-982-078-01	BUTTON (D) (BLACK) (GA7ES)	
17	4-982-078-11	BUTTON (D) (GOLD) (VA7ES)	
18	4-982-081-01	BUTTON (G) (BLACK) (GA7ES)	
18	4-982-081-11	BUTTON (G) (GOLD) (VA7ES)	
19	4-982-271-01	INDICATOR (M)	
20	4-982-272-01	INDICATOR (A) (GA7ES)	
21	4-982-273-01	INDICATOR (B) (GA7ES)	
22	4-982-079-01	BUTTON (E)	
23	4-938-518-01	INDICATOR (C)	
24	X-4947-276-1	ESCUTCHEON (G) ASSY (GOLD) (VA7ES)	
26	4-980-109-11	BUTTON (P-M) (GOLD) (VA7ES)	
27	4-982-274-01	INDICATOR (C) (VA7ES)	
28	4-982-085-22	BUTTON (M) (BASS BOOST) (GOLD) (VA7ES)	
28	4-982-085-32	BUTTON (M) (DIRECT PASS) (GOLD) (VA7ES)	
* 29	A-4390-391-A	DISPLAY BOARD, COMPLETE (US, CND)	
* 29	A-4390-393-A	DISPLAY BOARD, COMPLETE (AUS)	
* 29	A-4390-404-A	DISPLAY BOARD, COMPLETE (CH)	
* 30	1-661-561-11	BALANCE BOARD	
31	3-704-366-01	SCREW (CASE) (M3X8)	
* 32	4-982-090-01	CASE (414538E) (BLACK) (GA7ES)	
* 32	4-982-090-21	CASE (414538E) (GOLD) (VA7ES)	
* 33	4-966-115-21	BOARD (385), BOTTOM	
34	X-4947-325-1	FOOT (50175) ASSY	

(2) CHASSIS SECTION-1



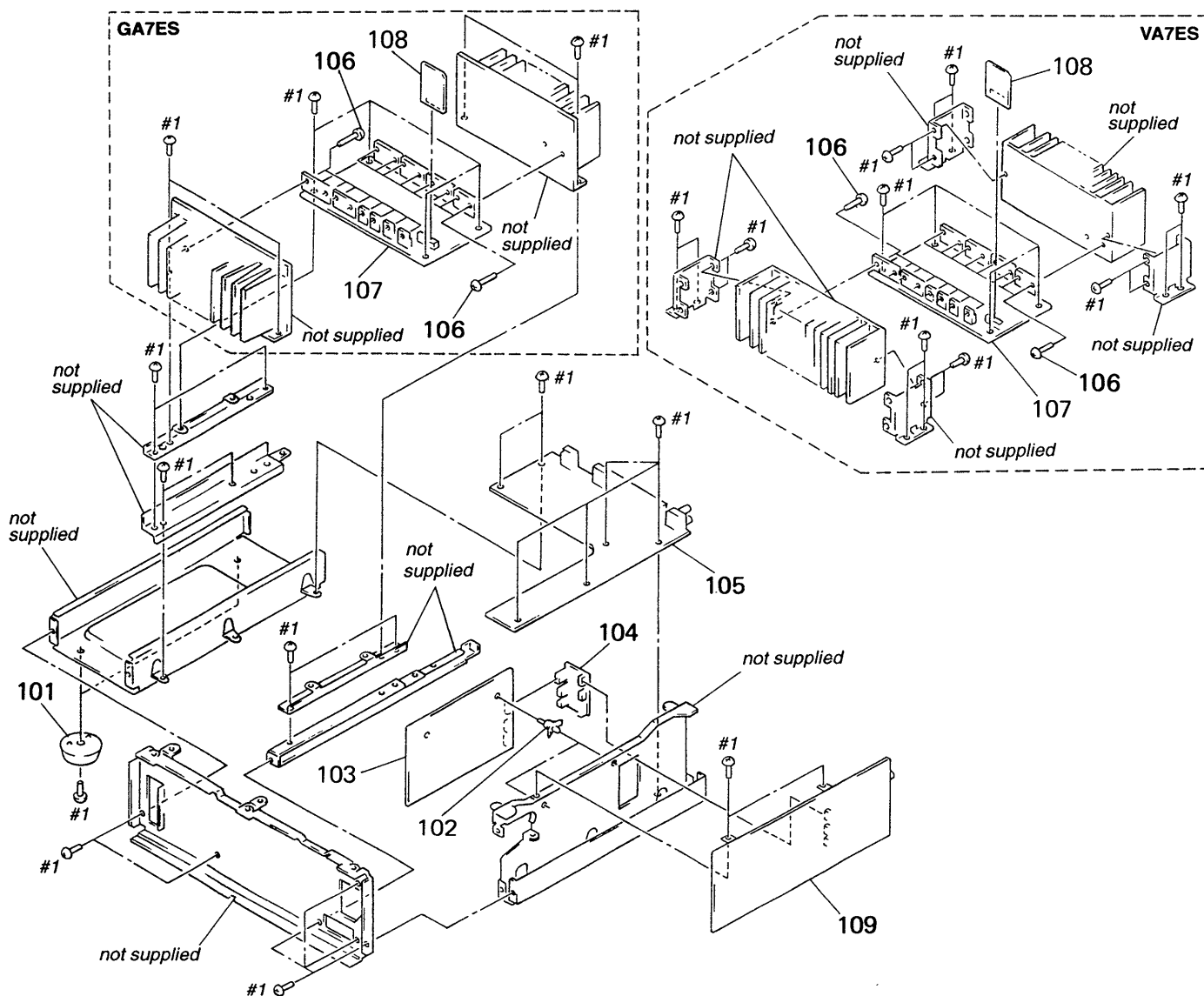
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

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

Ref. No.	Part No.	Description	Remark
* 51	1-661-560-11	FRONT VIDEO BOARD	
* 52	1-661-559-11	HP BOARD	
* 53	1-661-572-11	POWER TRANSFORMER B BOARD	
* 54	1-661-571-11	POWER TRANSFORMER A BOARD	
55	4-381-962-11	SCREW +BVTT 4X8 (S)	
* 56	A-4390-361-A	AC BOARD, COMPLETE (US, CND)	
* 56	A-4390-386-A	AC BOARD, COMPLETE (CH)	
* 56	A-4390-395-A	AC BOARD, COMPLETE (AUS)	
* 57	3-703-244-00	BUSHING (2104), CORD	
* 58	4-982-091-61	PANEL, BACK (US)	
* 58	4-982-091-71	PANEL, BACK (CND)	
* 58	4-982-091-81	PANEL, BACK (AUS)	
* 58	4-982-092-31	PANEL, BACK (CH)	
59	4-947-010-01	SCREW, FEEDER FIXED	
* 60	A-4390-398-A	S VIDEO BOARD, COMPLETE	
* 61	A-4390-923-A	VIDEO BOARD, COMPLETE	
* 62	1-661-582-11	CONNECTOR V BOARD	

Ref. No.	Part No.	Description	Remark
* 63	1-661-584-11	CONNECTOR S BOARD	
* 64	A-4390-924-A	SP TM BOARD, COMPLETE (EXCEPT CH)	
* 64	A-4390-925-A	SP TM BOARD, COMPLETE (CH)	
* 65	A-4390-364-A	AUDIO BOARD, COMPLETE	
* 66	1-661-583-11	CONNECTOR A BOARD	
△67	1-569-008-21	ADAPTOR, CONVERSION 2P (CH)	
68	4-985-642-01	CUSHION	
△CNP901	1-690-608-11	CORD, POWER (AUS)	
△CNP901	1-769-743-11	CORD, POWER (US, CND)	
△CNP901	1-776-095-11	CORD, POWER (CH)	
△CNS901	1-251-078-11	OUTLET, AC. (AUS)	
△CNS901	1-526-794-11	OUTLET, AC (CH)	
△T1	1-429-589-11	TRANSFORMER, POWER (US)	
△T1	1-429-590-11	TRANSFORMER, POWER (AUS)	
△T1	1-429-594-11	TRANSFORMER, POWER (CH)	
△T1	1-429-596-11	TRANSFORMER, POWER (CND)	

(3) CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark
101	X-4947-325-1	FOOT (50175) ASSY	
* 102	3-703-353-01	SUPPORT, PC BOARD	
* 103	A-4390-868-A	SWP BOARD, COMPLETE (CH)	
* 103	A-4390-869-A	SWP BOARD, COMPLETE (EXCEPT CH)	
* 104	1-661-578-11	CONNECTOR R BOARD	
* 105	A-4390-389-A	INPUT BOARD, COMPLETE (EXCEPT CH)	
* 105	A-4390-408-A	INPUT BOARD, COMPLETE (CH)	

Ref. No.	Part No.	Description	Remark
106	3-905-609-01	SCREW (TRANSISTOR)	
* 107	A-4390-390-A	AMP BOARD, COMPLETE (EXCEPT CH)	
* 107	A-4390-403-A	AMP BOARD, COMPLETE (CH)	
* 108	A-4390-351-A	SAM BOARD, COMPLETE	
* 109	A-4390-392-A	SURROUND BOARD, COMPLETE (US, CND)	
* 109	A-4390-405-A	SURROUND BOARD, COMPLETE (CH)	
* 109	A-4390-492-A	SURROUND BOARD, COMPLETE (AUS)	

SECTION 4 ELECTRICAL PARTS LIST

AC

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable
- Abbreviation
AUS: Australian CH: Chinese CND: Canadian

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

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

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

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

Ref. No.	Part No.	Description	Remark
*	A-4390-361-A	AC BOARD, COMPLETE (US, CND)	
*	A-4390-395-A	AC BOARD, COMPLETE (AUS)	
*	A-4390-386-A	AC BOARD, COMPLETE (CH)	

	1-533-399-31	HOLDER, FUSE	
		< CAPACITOR >	
C901	1-164-097-11	CERAMIC 0.022uF	50V
C902	1-164-097-11	CERAMIC 0.022uF	50V
C903	1-126-942-61	ELECT 1000uF	20% 16V
C904	1-124-903-11	ELECT 1uF	20% 50V
C905	1-124-902-00	ELECT 0.47uF	20% 50V
C906	1-124-464-11	ELECT 0.22uF	20% 50V
C907	1-124-907-11	ELECT 10uF	20% 50V
C908	1-164-159-11	CERAMIC 0.1uF	50V
C910	1-164-159-11	CERAMIC 0.1uF	50V
C911	1-164-159-11	CERAMIC 0.1uF	50V
C912	1-164-159-11	CERAMIC 0.1uF	50V
C913	1-113-939-51	CERAMIC 0.01uF	99% 125V (VA7ES)
		< CONNECTOR >	
CNE910	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P	(EXCEPT CH)
CNE910	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P	(CH)
		< OUTLET >	
Δ CNJ901	1-540-060-11	OUTLET, AC (POLAR) (AC OUTLET) (US, CND)	
		< CONNECTOR >	
CNP905	1-774-108-11	PIN, CONNECTOR (PC BOARD) (CH, AUS)	
		< OUTLET >	
Δ CNS901	1-251-078-11	OUTLET, AC (AC OUTLET) (AUS)	

Ref. No.	Part No.	Description	Remark
Δ CNS901	1-526-794-11	OUTLET, AC (AC OUTLET) (CH)	
		< CONNECTOR >	
CNV901	1-564-321-00	PIN, CONNECTOR 2P	
* CNV902	1-565-792-11	PIN, CONNECTOR 2P	
		< DIODE >	
D901	8-719-024-99	DIODE 11ES2-NTA2B	
D902	8-719-024-99	DIODE 11ES2-NTA2B	
D903	8-719-024-99	DIODE 11ES2-NTA2B	
D904	8-719-024-99	DIODE 11ES2-NTA2B	
D905	8-719-987-63	DIODE 1N4148M	
D906	8-719-987-63	DIODE 1N4148M	
D907	8-719-987-63	DIODE 1N4148M	
		< FUSE >	
Δ F901	1-532-748-11	FUSE, GLASS TUBE (6.3A 125V) (US, CND)	
Δ F901	1-532-464-51	FUSE, TIME LAG (2.5A 250V) (CH, AUS)	
Δ F903	1-532-464-51	FUSE, TIME LAG (2.5A 250V) (CH, AUS)	
		< IC >	
IC901	8-759-333-83	IC NJM2103D	
		< TRANSISTOR >	
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q902	8-729-209-15	TRANSISTOR 2SD2012	
		< RESISTOR >	
R900	1-249-393-11	CARBON 10 5% 1/4W	
Δ R901	1-202-725-00	SOLID 3.3M 10% 1/2W F	(US, CND)
R902	1-249-429-11	CARBON 10K 5% 1/4W	
R903	1-249-425-11	CARBON 4.7K 5% 1/4W	
R904	1-249-417-11	CARBON 1K 5% 1/4W	

Ref. No.	Part No.	Description	Remark		
R905	1-249-428-11	CARBON	8.2K	5%	1/4W
R906	1-249-421-11	CARBON	2.2K	5%	1/4W
R908	1-249-433-11	CARBON	22K	5%	1/4W
R909	1-249-439-11	CARBON	68K	5%	1/4W
R910	1-249-437-11	CARBON	47K	5%	1/4W
R912	1-249-430-11	CARBON	12K	5%	1/4W
< RELAY >					
△RY901	1-515-999-11	RELAY, POWER			
< TRANSFORMER >					
△T901	1-450-361-11	TRANSFORMER, POWER (US, CND)			
△T901	1-450-358-11	TRANSFORMER, POWER (CH, AUS)			

*	A-4390-390-A	AMP BOARD, COMPLETE (EXCEPT CH)			
*	A-4390-403-A	AMP BOARD, COMPLETE (CH)			

< CAPACITOR >					
C010	1-107-597-11	CERAMIC	22PF	10%	500V
C011	1-107-597-11	CERAMIC	22PF	10%	500V
C012	1-107-597-11	CERAMIC	22PF	10%	500V
C013	1-107-597-11	CERAMIC	22PF	10%	500V
C020	1-136-165-00	FILM	0.1uF	5%	50V
C022	1-126-941-11	ELECT	470uF	20%	6.3V
C023	1-136-169-00	FILM	0.22uF	5%	50V
C610	1-107-597-11	CERAMIC	22PF	10%	500V
C611	1-107-597-11	CERAMIC	22PF	10%	500V
C612	1-107-597-11	CERAMIC	22PF	10%	500V
C613	1-107-597-11	CERAMIC	22PF	10%	500V
C620	1-136-165-00	FILM	0.1uF	5%	50V
C658	1-124-910-11	ELECT	47uF	20%	50V
(EXCEPT CH)					
C658	1-126-051-11	ELECT	47uF	20%	50V
(CH)					
C660	1-107-597-11	CERAMIC	22PF	10%	500V
C661	1-107-597-11	CERAMIC	22PF	10%	500V
C670	1-136-165-00	FILM	0.1uF	5%	50V
C676	1-107-597-11	CERAMIC	22PF	10%	500V
C677	1-107-597-11	CERAMIC	22PF	10%	500V
C963	1-117-184-11	ELECT	4700uF	99%	63V
(EXCEPT CH)					
C963	1-115-569-11	ELECT	5600uF	20%	63V
(CH)					
C965	1-117-184-11	ELECT	4700uF	99%	63V
(EXCEPT CH)					
C965	1-115-569-11	ELECT	5600uF	20%	63V
(CH)					

Ref. No.	Part No.	Description	Remark		
C971	1-126-138-11	ELECT	4700uF	20%	50V (EXCEPT CH)
C971	1-115-571-11	ELECT	6800uF	20%	50V (CH)
C972	1-126-138-11	ELECT	4700uF	20%	50V (EXCEPT CH)
C972	1-115-571-11	ELECT	6800uF	20%	50V (CH)
C983	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C983	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C984	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C984	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C985	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C985	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C986	1-117-184-11	ELECT	4700uF	99%	63V (EXCEPT CH)
C986	1-115-569-11	ELECT	5600uF	20%	63V (CH)
C987	1-124-922-11	ELECT	1000uF	20%	63V (EXCEPT CH)
C987	1-113-686-11	ELECT	2200uF	20%	63V (CH)
C988	1-124-922-11	ELECT	1000uF	20%	63V (EXCEPT CH)
C988	1-113-686-11	ELECT	2200uF	20%	63V (CH)
C990	1-106-228-00	MYLAR	0.22uF	5%	100V
C991	1-106-228-00	MYLAR	0.22uF	5%	100V
< CONNECTOR >					
CNP706	1-764-821-11	CONNECTOR, BOARD TO BOARD 15P			
CNS610	1-568-672-11	CONNECTOR, BOARD TO BOARD 12P			
CNV611	1-778-145-11	PIN, CONNECTOR (PC BOARD) 6P			
CNV612	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P			
CNV613	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
CNV936	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P			
* CNV937	1-565-395-11	PIN, CONNECTOR 3P			
< DIODE >					
D001	8-719-815-85	DIODE	1S1585		
D002	8-719-815-85	DIODE	1S1585		
D971	8-719-302-38	DIODE	RBV-602-01		
D972	8-719-302-38	DIODE	RBV-602-01		
D991	8-719-024-99	DIODE	11ES2-NTA2B (VA7ES)		

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

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

Ref. No.	Part No.	Description	Remark
D992	8-719-024-99	DIODE 11ES2-NTA2B (VA7ES)	
< IC/TRANSISTOR >			
Q001	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q002	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q005	8-749-010-43	IC NE-N250	
Q006	8-749-010-42	IC NE-P250	
Q007	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q010	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q011	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
Q012	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-749-010-43	IC NE-N250	
Q606	8-749-010-42	IC NE-P250	
Q607	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-749-010-43	IC NE-N250	
Q656	8-749-010-42	IC NE-P250	
Q657	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q705	8-729-026-01	TRANSISTOR 2SD2494-OPY	
Q706	8-729-026-05	TRANSISTOR 2SB1625-OPY	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q755	8-729-026-01	TRANSISTOR 2SD2494-OPY	
Q756	8-729-026-05	TRANSISTOR 2SB1625-OPY	
< RESISTOR >			
R005	1-249-421-11	CARBON 2.2K 5%	1/4W
R007	1-249-414-11	CARBON 560 5%	1/4W
R010	1-249-393-11	CARBON 10 5%	1/4W
R011	1-249-393-11	CARBON 10 5%	1/4W
R012	1-249-393-11	CARBON 10 5%	1/4W
R013	1-249-393-11	CARBON 10 5%	1/4W
△R016	1-233-352-21	ENCAPSULATED COMPONENT	F
△R017	1-233-352-21	ENCAPSULATED COMPONENT	F
R020	1-249-425-11	CARBON 4.7K 5%	1/4W
R021	1-249-425-11	CARBON 4.7K 5%	1/4W
R022	1-249-421-11	CARBON 2.2K 5%	1/4W
R023	1-249-437-11	CARBON 47K 5%	1/4W
R054	1-249-417-11	CARBON 1K 5%	1/4W
R055	1-249-439-11	CARBON 68K 5%	1/4W
R056	1-249-436-11	CARBON 39K 5%	1/4W
R057	1-249-429-11	CARBON 10K 5%	1/4W
R605	1-249-421-11	CARBON 2.2K 5%	1/4W

Ref. No.	Part No.	Description	Remark
R607	1-249-414-11	CARBON 560 5%	1/4W
R610	1-249-393-11	CARBON 10 5%	1/4W
R611	1-249-393-11	CARBON 10 5%	1/4W
R612	1-249-393-11	CARBON 10 5%	1/4W
R613	1-249-393-11	CARBON 10 5%	1/4W
△R615	1-233-352-21	ENCAPSULATED COMPONENT	F
△R618	1-233-352-21	ENCAPSULATED COMPONENT	F
R620	1-249-425-11	CARBON 4.7K 5%	1/4W
R621	1-249-425-11	CARBON 4.7K 5%	1/4W
R622	1-249-421-11	CARBON 2.2K 5%	1/4W
R623	1-249-437-11	CARBON 47K 5%	1/4W
R655	1-249-421-11	CARBON 2.2K 5%	1/4W
R657	1-249-414-11	CARBON 560 5%	1/4W
R660	1-249-393-11	CARBON 10 5%	1/4W
R661	1-249-393-11	CARBON 10 5%	1/4W
R662	1-249-393-11	CARBON 10 5%	1/4W
R663	1-249-393-11	CARBON 10 5%	1/4W
△R665	1-233-352-21	ENCAPSULATED COMPONENT	F
△R668	1-233-352-21	ENCAPSULATED COMPONENT	F
R670	1-249-425-11	CARBON 4.7K 5%	1/4W
R671	1-249-425-11	CARBON 4.7K 5%	1/4W
R672	1-249-421-11	CARBON 2.2K 3%	1/4W
R673	1-249-437-11	CARBON 47K 5%	1/4W
R705	1-249-421-11	CARBON 2.2K 5%	1/4W
R707	1-249-414-11	CARBON 560 5%	1/4W
R710	1-249-405-11	CARBON 100 5%	1/4W
R712	1-249-405-11	CARBON 100 5%	1/4W
△R715	1-233-352-21	ENCAPSULATED COMPONENT	F
R723	1-249-437-11	CARBON 47K 5%	1/4W
R755	1-249-421-11	CARBON 2.2K 5%	1/4W
R757	1-249-414-11	CARBON 560 5%	1/4W
R760	1-249-405-11	CARBON 100 5%	1/4W
R762	1-249-405-11	CARBON 100 5%	1/4W
△R765	1-233-352-21	ENCAPSULATED COMPONENT	F
R773	1-249-437-11	CARBON 47K 5%	1/4W
△R911	1-249-393-11	CARBON 10 5%	1/4W F (GA7ES)
△R913	1-249-393-11	CARBON 10 5%	1/4W F (GA7ES)

* A-4390-364-A AUDIO BOARD, COMPLETE *****			
< CAPACITOR >			
C244	1-126-048-81	ELECT 10uF	20% 50V
C294	1-126-048-81	ELECT 10uF	20% 50V
C295	1-162-282-31	CERAMIC 100PF	10% 50V
C296	1-162-294-31	CERAMIC 0.001uF	10% 50V

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

AUDIO

BALANCE

CONNECTOR A

CONNECTOR R

CONNECTOR S

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

< CONNECTOR >

CNE211 1-770-963-11 PIN, CONNECTOR (PCB) (V TYPE) 3P
CNS210 1-695-093-11 SOCKET, CONNECTOR 9P

< IC >

IC204 8-759-805-13 IC LC7821

< JACK >

J210 1-766-394-11 JACK, PIN 6P (VIDEO 2 AUDIO OUT,
LD AUDIO IN, TV AUDIO IN)
J211 1-766-394-11 JACK, PIN 6P (VIDEO 1 AUDIO IN, AUDIO OUT
, VIDEO 2 AUDIO IN)

< RESISTOR >

R222	1-249-417-11	CARBON	1K	5%	1/4W
R223	1-249-417-11	CARBON	1K	5%	1/4W
R224	1-249-417-11	CARBON	1K	5%	1/4W
R225	1-249-417-11	CARBON	1K	5%	1/4W
R226	1-249-417-11	CARBON	1K	5%	1/4W

R227	1-249-417-11	CARBON	1K	5%	1/4W
R272	1-249-417-11	CARBON	1K	5%	1/4W
R273	1-249-417-11	CARBON	1K	5%	1/4W
R274	1-249-417-11	CARBON	1K	5%	1/4W
R275	1-249-417-11	CARBON	1K	5%	1/4W

R276	1-249-417-11	CARBON	1K	5%	1/4W
R277	1-249-417-11	CARBON	1K	5%	1/4W
R295	1-249-417-11	CARBON	1K	5%	1/4W
R296	1-249-425-11	CARBON	4.7K	5%	1/4W

* 1-661-561-11 BALANCE BOARD

< CAPACITOR >

C105	1-124-907-11	ELECT	10uF	20%	50V
------	--------------	-------	------	-----	-----

< CONNECTOR >

CNP101 1-766-551-11 PLUG, CONNECTOR 11P
CNS107 1-770-398-11 HOUSING, CONNECTOR (PC BOARD) 5P
CNS108 1-770-397-11 HOUSING, CONNECTOR (PC BOARD) 4P

< DIODE >

D140	8-719-301-49	DIODE	SEL2810A	(TAPE MONITOR)
D141	8-719-301-49	DIODE	SEL2810A	(5.1 INPUT)
D142	8-719-301-49	DIODE	SEL2810A	(MUTING)

Ref. No.	Part No.	Description	Remark
----------	----------	-------------	--------

< IC >

IC104 8-759-962-08 IC BA6208

< TRANSISTOR >

Q102 8-729-900-36 TRANSISTOR DTC124ES

< RESISTOR >

R101	1-249-429-11	CARBON	10K	5%	1/4W
R102	1-249-429-11	CARBON	10K	5%	1/4W
R136	1-249-411-11	CARBON	330	5%	1/4W
R137	1-249-411-11	CARBON	330	5%	1/4W
R138	1-249-411-11	CARBON	330	5%	1/4W

R139	1-249-415-11	CARBON	680	5%	1/4W
------	--------------	--------	-----	----	------

< VARIABLE RESISTOR >

RV104 1-223-880-11 RES, VAR, CARBON 100K/100K (BALANCE)

< SWITCH >

S137 1-554-303-21 SWITCH, TACTILE (TAPE MONITOR)
S138 1-554-303-21 SWITCH, TACTILE (5.1 INPUT)

* 1-661-583-11 CONNECTOR A BOARD

< CONNECTOR >

CNP210 1-695-088-11 PIN, CONNECTOR (PC BOARD) 9P
CNS203 1-695-093-11 SOCKET, CONNECTOR 9P

* 1-661-578-11 CONNECTOR R BOARD

< CONNECTOR >

CNP408 1-750-984-11 CONNECTOR, BOARD TO BOARD 15P
CNP409 1-750-984-11 CONNECTOR, BOARD TO BOARD 15P
CNP508 1-778-398-11 CONNECTOR, BOARD TO BOARD 15P
CNP509 1-778-398-11 CONNECTOR, BOARD TO BOARD 15P

* 1-661-584-11 CONNECTOR S BOARD

< CONNECTOR >

CNP623 1-695-088-11 PIN, CONNECTOR (PC BOARD) 9P
CNS206 1-695-093-11 SOCKET, CONNECTOR 9P

CONNECTOR V DISPLAY

Ref.No.	Part No.	Description	Remark
*	1-661-582-11	CONNECTOR V BOARD *****	
		< CONNECTOR >	
	CNP805 1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P	
	CNP806 1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P	

*	A-4390-391-A	DISPLAY BOARD, COMPLETE (US, CND)	
*	A-4390-393-A	DISPLAY BOARD, COMPLETE (AUS)	
*	A-4390-404-A	DISPLAY BOARD, COMPLETE (CH)	

		< CAPACITOR >	
	C101 1-164-159-11	CERAMIC 0.1uF 50V	
	C102 1-124-907-11	ELECT 10uF 20% 50V	
	C103 1-164-159-11	CERAMIC 0.1uF 50V	
	C104 1-124-907-11	ELECT 10uF 20% 50V	
	C108 1-164-159-11	CERAMIC 0.1uF 50V	
	C111 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C112 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C113 1-164-159-11	CERAMIC 0.1uF 50V	
	C114 1-162-286-31	CERAMIC 220PF 10% 50V	
	C115 1-104-905-11	CAPACITOR 0.22F 5.5V	
	C116 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C117 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C118 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C119 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C120 1-164-159-11	CERAMIC 0.1uF 50V	
	C121 1-162-306-11	CERAMIC 0.01uF 30% 16V	
	C122 1-164-159-11	CERAMIC 0.1uF 50V	
	C123 1-164-159-11	CERAMIC 0.1uF 50V	
	C124 1-164-159-11	CERAMIC 0.1uF 50V	
	C125 1-164-159-11	CERAMIC 0.1uF 50V	
		< CONNECTOR >	
*	CND103 1-506-503-11	PIN, CONNECTOR 9P	
*	CND104 1-564-340-00	PIN, CONNECTOR 6P	
*	CND105 1-564-342-11	PIN, CONNECTOR 8P	
*	CND109 1-564-341-11	PIN, CONNECTOR 7P	
*	CNS101 1-565-487-11	CONNECTOR, BOARD TO BOARD 11P	
		< DIODE >	
	D101 8-719-313-43	DIODE SEL6210S-TH10 (STANDBY) (CH)	
	D104 8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT CH)	
	D115 8-719-987-63	DIODE 1N4148M	
	D116 8-719-987-63	DIODE 1N4148M	
	D130 8-719-987-63	DIODE 1N4148M	
	D131 8-719-987-63	DIODE 1N4148M	

Ref.No.	Part No.	Description	Remark
D132	8-719-987-63	DIODE 1N4148M	
D133	8-719-987-63	DIODE 1N4148M	
D134	8-719-987-63	DIODE 1N4148M	
D135	8-719-301-49	DIODE SEL2810A (BASS BOOST) (CH)	
D136	8-719-301-49	DIODE SEL2810A (DIRECT PASS) (CH)	
D137	8-719-301-49	DIODE SEL2810A (INDEX)	
D138	8-719-301-49	DIODE SEL2810A (TONE)	
D139	8-719-301-49	DIODE SEL2810A (SURROUND)	
D143	8-719-301-49	DIODE SEL2810A (BASS BOOST) (EXCEPT CH)	
D144	8-719-301-49	DIODE SEL2810A (DIRECT PASS) (EXCEPT CH)	
D151	8-719-987-63	DIODE 1N4148M (AUS)	
D153	8-719-987-63	DIODE 1N4148M (AUS)	
D154	8-719-987-63	DIODE 1N4148M (AUS)	
D155	8-719-987-63	DIODE 1N4148M (CH)	
D156	8-719-987-63	DIODE 1N4148M (CH)	
		< FILTER >	
FL100	1-517-543-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC100	8-759-075-35	IC TD62C950RF	
IC101	8-759-390-30	IC MB90673PF-G-163-BND	
IC102	8-749-923-11	IC GP1U58XB	
IC105	8-759-075-35	IC TD62C950RF	
		< COIL >	
L101	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q100	8-729-900-63	TRANSISTOR DTA124ES	
Q101	8-729-900-36	TRANSISTOR DTC124ES	
Q103	8-729-900-36	TRANSISTOR DTC124ES	
Q104	8-729-900-36	TRANSISTOR DTC124ES (CH)	
Q106	8-729-900-36	TRANSISTOR DTC124ES	
Q107	8-729-900-36	TRANSISTOR DTC124ES	
Q108	8-729-900-36	TRANSISTOR DTC124ES	
Q109	8-729-900-36	TRANSISTOR DTC124ES	
Q110	8-729-900-36	TRANSISTOR DTC124ES	
Q111	8-729-900-36	TRANSISTOR DTC124ES	
Q112	8-729-900-36	TRANSISTOR DTC124ES	
Q113	8-729-900-36	TRANSISTOR DTC124ES	
Q114	8-729-900-36	TRANSISTOR DTC124ES (CH)	
		< RESISTOR >	
R103	1-247-807-31	CARBON 100 5% 1/4W	
R104	1-249-425-11	CARBON 4.7K 5% 1/4W	
R105	1-249-417-11	CARBON 1K 5% 1/4W	

DISPLAY

Ref. No.	Part No.	Description	Remark		
R106	1-249-411-11	CARBON	330	5%	1/4W (CH)
R107	1-249-419-11	CARBON	1.5K	5%	1/4W
R108	1-249-437-11	CARBON	47K	5%	1/4W
R116	1-249-429-11	CARBON	10K	5%	1/4W
R118	1-249-429-11	CARBON	10K	5%	1/4W
R119	1-249-437-11	CARBON	47K	5%	1/4W
R120	1-249-437-11	CARBON	47K	5%	1/4W
R121	1-249-437-11	CARBON	47K	5%	1/4W
R122	1-249-385-11	CARBON	2.2	5%	1/6W
R123	1-249-429-11	CARBON	10K	5%	1/4W
R124	1-249-429-11	CARBON	10K	5%	1/4W
R125	1-249-429-11	CARBON	10K	5%	1/4W
R126	1-249-411-11	CARBON	330	5%	1/4W
R127	1-249-385-11	CARBON	2.2	5%	1/6W
R128	1-249-411-11	CARBON	330	5%	1/4W
R129	1-249-411-11	CARBON	330	5%	1/4W
R130	1-249-433-11	CARBON	22K	5%	1/4W
R131	1-249-433-11	CARBON	22K	5%	1/4W
R132	1-249-433-11	CARBON	22K	5%	1/4W
R133	1-249-433-11	CARBON	22K	5%	1/4W
R134	1-249-433-11	CARBON	22K	5%	1/4W
R135	1-249-433-11	CARBON	22K	5%	1/4W
R140	1-249-417-11	CARBON	1K	5%	1/4W
R141	1-249-417-11	CARBON	1K	5%	1/4W
R142	1-249-417-11	CARBON	1K	5%	1/4W
R143	1-249-417-11	CARBON	1K	5%	1/4W
R144	1-249-417-11	CARBON	1K	5%	1/4W
R145	1-249-429-11	CARBON	10K	5%	1/4W
R146	1-249-429-11	CARBON	10K	5%	1/4W
R147	1-249-417-11	CARBON	1K	5%	1/4W
R148	1-249-417-11	CARBON	1K	5%	1/4W
R149	1-249-417-11	CARBON	1K	5%	1/4W
R150	1-249-417-11	CARBON	1K	5%	1/4W
R163	1-249-441-11	CARBON	100K	5%	1/4W
R164	1-249-441-11	CARBON	100K	5%	1/4W
R165	1-249-441-11	CARBON	100K	5%	1/4W
R166	1-249-429-11	CARBON	10K	5%	1/4W
R188	1-249-429-11	CARBON	10K	5%	1/4W
R190	1-249-429-11	CARBON	10K	5%	1/4W
R191	1-249-417-11	CARBON	1K	5%	1/4W
R192	1-249-417-11	CARBON	1K	5%	1/4W
R193	1-249-429-11	CARBON	10K	5%	1/4W
R194	1-249-441-11	CARBON	100K	5%	1/4W
R195	1-249-441-11	CARBON	100K	5%	1/4W
R196	1-249-433-11	CARBON	22K	5%	1/4W
R197	1-249-433-11	CARBON	22K	5%	1/4W
R198	1-249-441-11	CARBON	100K	5%	1/4W
R233	1-249-417-11	CARBON	1K	5%	1/4W

Ref. No.	Part No.	Description	Remark		
R234	1-249-417-11	CARBON	1K	5%	1/4W
R235	1-249-417-11	CARBON	1K	5%	1/4W
R236	1-249-417-11	CARBON	1K	5%	1/4W
R237	1-249-417-11	CARBON	1K	5%	1/4W
R238	1-249-417-11	CARBON	1K	5%	1/4W
R239	1-249-417-11	CARBON	1K	5%	1/4W
< VARIABLE RESISTOR >					
RV101	1-467-808-21	ENCODER, ROTARY (FUNCTION)			
RV102	1-467-809-11	ENCODER, ROTARY (PARAMETER BASS/TREBLE POSITION)			
RV103	1-467-809-11	ENCODER, ROTARY (LEVEL TONE LEVEL CHARACTOR)			
< SWITCH >					
S100	1-554-303-21	SWITCH, TACTILE (OPC MODE)			
S101	1-554-303-21	SWITCH, TACTILE (MEMORY) (EXCEPT CH)			
S103	1-554-303-21	SWITCH, TACTILE (INDEX +) (EXCEPT CH)			
S104	1-554-303-21	SWITCH, TACTILE (INDEX -) (EXCEPT CH)			
S105	1-554-303-21	SWITCH, TACTILE (SOUND FIELD GENRE)			
S106	1-554-303-21	SWITCH, TACTILE (SOUND FIELD CTR MODE)			
S107	1-554-303-21	SWITCH, TACTILE (DIRECT TUNING) (EXCEPT CH)			
S108	1-554-303-21	SWITCH, TACTILE (FM MODE) (EXCEPT CH)			
S109	1-554-303-21	SWITCH, TACTILE (PRESET +) (EXCEPT CH)			
S110	1-554-303-21	SWITCH, TACTILE (PRESET -) (EXCEPT CH)			
S111	1-554-303-21	SWITCH, TACTILE (SOUND FIELD MODE)			
S112	1-554-303-21	SWITCH, TACTILE (FUNCTION MODE)			
S113	1-554-303-21	SWITCH, TACTILE (1) (EXCEPT CH)			
S114	1-554-303-21	SWITCH, TACTILE (4) (EXCEPT CH)			
S115	1-554-303-21	SWITCH, TACTILE (7) (EXCEPT CH)			
S116	1-554-303-21	SWITCH, TACTILE (SHIFT) (EXCEPT CH)			
S118	1-554-303-21	SWITCH, TACTILE (DIMMER)			
S119	1-554-303-21	SWITCH, TACTILE (BASS BOOST) (EXCEPT CH)			
S120	1-554-303-21	SWITCH, TACTILE (2) (EXCEPT CH)			
S121	1-554-303-21	SWITCH, TACTILE (5) (EXCEPT CH)			
S122	1-554-303-21	SWITCH, TACTILE (8) (EXCEPT CH)			
S123	1-554-303-21	SWITCH, TACTILE (0) (EXCEPT CH)			
S125	1-554-303-21	SWITCH, TACTILE (DISPLAY)			
S126	1-554-303-21	SWITCH, TACTILE (DIRECT PASS) (EXCEPT CH)			
S127	1-554-303-21	SWITCH, TACTILE (3) (EXCEPT CH)			
S128	1-554-303-21	SWITCH, TACTILE (6) (EXCEPT CH)			
S129	1-554-303-21	SWITCH, TACTILE (9) (EXCEPT CH)			
S131	1-554-303-21	SWITCH, TACTILE (FM/AM) (EXCEPT CH)			
S132	1-554-303-21	SWITCH, TACTILE (SOUND FIELD ON/OFF)			
S133	1-554-118-00	SWITCH, PUSH (1 KEY) (POWER) (CH)			
S134	1-554-303-21	SWITCH, TACTILE (POWER) (EXCEPT CH)			
S135	1-762-268-11	SWITCH, ROTARY (SPEAKERS)			
S139	1-554-303-21	SWITCH, TACTILE (BASS BOOST) (EXCEPT CH)			

DISPLAY

FRONT VIDEO

HP

INPUT

Ref. No.	Part No.	Description	Remark
S140	1-554-303-21	SWITCH, TACTILE (DIRECT PASS) (CH)	
		< VIBRATOR >	
X100	1-567-819-11	VIBRATOR, CERAMIC (4.00MHz)	

*	1-661-560-11	FRONT VIDEO BOARD	

		< CONNECTOR >	
CNE290	1-770-968-11	PIN, CONNECTOR (PCB) (V TYPE) 8P	
		< JACK >	
J299	1-764-190-11	JACK, PIN 3P (AUDIO, VIDEO, S VIDEO)	
		< RESISTOR >	
R248	1-249-403-11	CARBON 68 5% 1/4W	
R298	1-249-403-11	CARBON 68 5% 1/4W	
R299	1-249-403-11	CARBON 68 5% 1/4W	

*	1-661-559-11	HP BOARD	

		< CONNECTOR >	
CNE100	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P	
		< JACK >	
J100	1-568-519-41	JACK, LARGE TYPE (PHONES)	
		< RESISTOR >	
R178	1-247-749-11	CARBON 560 5% 1/2W	
R179	1-247-749-11	CARBON 560 5% 1/2W	

*	A-4390-389-A	INPUT BOARD, COMPLETE (EXCEPT CH)	
*	A-4390-408-A	INPUT BOARD, COMPLETE (CH)	

	1-537-770-21	TERMINAL BOARD, GROUND	
*	4-880-403-11	HEAT SINK (CH)	
		< CAPACITOR >	
C001	1-126-963-11	ELECT 4.7uF 20% 50V	(EXCEPT CH)
C001	1-126-047-81	ELECT 4.7uF 20% 50V	(CH)
C002	1-110-335-11	MYLAR 100PF 5% 50V	
C003	1-107-608-11	CERAMIC 68PF 5% 500V	
C004	1-107-597-11	CERAMIC 22PF 5% 500V	

Ref. No.	Part No.	Description	Remark
C005	1-124-443-00	ELECT 100uF 20% 10V	(EXCEPT CH)
C005	1-124-994-11	ELECT 100uF 20% 10V	(CH)
C008	1-126-051-11	ELECT 47uF 20% 50V	
C014	1-102-937-00	CERAMIC 4.0PF +-0.25PF 50V	
C201	1-126-963-11	ELECT 4.7uF 20% 50V	(EXCEPT CH)
C201	1-126-047-81	ELECT 4.7uF 20% 50V	(CH)
C202	1-102-106-00	CERAMIC 100PF 10% 50V	
C203	1-162-282-31	CERAMIC 100PF 10% 50V	
C204	1-104-664-11	ELECT 47uF 20% 16V	(EXCEPT CH)
C204	1-126-008-51	ELECT 47uF 20% 16V	(CH)
C205	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C206	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C207	1-124-903-11	ELECT 1uF 20% 50V	(EXCEPT CH)
C207	1-126-044-11	ELECT 1uF 20% 50V	(CH)
C208	1-104-664-11	ELECT 47uF 20% 16V	(EXCEPT CH)
C208	1-126-008-51	ELECT 47uF 20% 16V	(CH)
C211	1-124-907-11	ELECT 10uF 20% 50V	(EXCEPT CH)
C211	1-126-048-81	ELECT 10uF 20% 50V	(CH)
C213	1-124-907-11	ELECT 10uF 20% 50V	(EXCEPT CH)
C213	1-126-048-81	ELECT 10uF 20% 50V	(CH)
C216	1-164-159-11	CERAMIC 0.1uF 50V	
C248	1-124-478-11	ELECT 100uF 20% 25V	
C249	1-124-478-11	ELECT 100uF 20% 25V	
C251	1-126-963-11	ELECT 4.7uF 20% 50V	(EXCEPT CH)
C251	1-126-047-81	ELECT 4.7uF 20% 50V	(CH)
C252	1-102-106-00	CERAMIC 100PF 10% 50V	
C253	1-162-282-31	CERAMIC 100PF 10% 50V	
C254	1-104-664-11	ELECT 47uF 20% 16V	(EXCEPT CH)
C254	1-126-008-51	ELECT 47uF 20% 16V	(CH)
C255	1-130-480-00	MYLAR 0.0056uF 5% 50V	
C256	1-130-473-00	MYLAR 0.0015uF 5% 50V	
C257	1-124-903-11	ELECT 1uF 20% 50V	(EXCEPT CH)

INPUT

Ref. No.	Part No.	Description	Remark
C257	1-126-044-11	ELECT	1uF 20% 50V (CH)
C258	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT CH)
C258	1-126-008-51	ELECT	47uF 20% 16V (CH)
C261	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C261	1-126-048-81	ELECT	10uF 20% 50V (CH)
C263	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C263	1-126-048-81	ELECT	10uF 20% 50V (CH)
C266	1-164-159-11	CERAMIC	0. 1uF 50V
C297	1-162-294-31	CERAMIC	0. 001uF 10% 50V
C601	1-126-963-11	ELECT	4. 7uF 20% 50V (EXCEPT CH)
C601	1-126-047-81	ELECT	4. 7uF 20% 50V (CH)
C602	1-110-335-11	MYLAR	100PF 5% 50V
C603	1-107-608-11	CERAMIC	68PF 5% 500V
C604	1-107-597-11	CERAMIC	22PF 5% 500V
C605	1-124-443-00	ELECT	100uF 20% 10V (EXCEPT CH)
C605	1-124-994-11	ELECT	100uF 20% 10V (CH)
C608	1-124-910-11	ELECT	47uF 20% 50V (EXCEPT CH)
C608	1-126-051-11	ELECT	47uF 20% 50V (CH)
C614	1-102-937-00	CERAMIC	4. 0PF +-0. 25PF 50V
C651	1-126-963-11	ELECT	4. 7uF 20% 50V (EXCEPT CH)
C651	1-126-047-81	ELECT	4. 7uF 20% 50V (CH)
C652	1-110-335-11	MYLAR	100PF 5% 50V
C653	1-107-608-11	CERAMIC	68PF 5% 500V
C654	1-107-597-11	CERAMIC	22PF 5% 500V
C655	1-124-443-00	ELECT	100uF 20% 10V (EXCEPT CH)
C655	1-124-994-11	ELECT	100uF 20% 10V (CH)
C664	1-102-937-00	CERAMIC	4. 0PF +-0. 25PF 50V
C920	1-136-153-00	FILM	0. 01uF 5% 50V
C921	1-136-153-00	FILM	0. 01uF 5% 50V
C922	1-136-153-00	FILM	0. 01uF 5% 50V
C975	1-124-563-11	ELECT	2200uF 20% 25V (EXCEPT CH)
C975	1-126-029-11	ELECT	3300uF 20% 25V (CH)

Ref. No.	Part No.	Description	Remark
C976	1-124-563-11	ELECT	2200uF 20% 25V (EXCEPT CH)
C976	1-126-029-11	ELECT	3300uF 20% 25V (CH)
C977	1-124-563-11	ELECT	2200uF 20% 25V (EXCEPT CH)
C977	1-126-029-11	ELECT	3300uF 20% 25V (CH)
C978	1-124-478-11	ELECT	100uF 20% 25V
C979	1-124-478-11	ELECT	100uF 20% 25V
C980	1-124-478-11	ELECT	100uF 20% 25V
< CONNCTOR >			
CNE204	1-770-970-11	PIN, CONNECTOR (PCB) (V TYPE) 10P	
CNE939	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P	
CNL903	1-778-769-11	PIN, CONNECTOR	
CNL904	1-778-769-11	PIN, CONNECTOR	
CNP201	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P	
CNP203	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P	
CNP206	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P	
CNP504	1-750-180-11	PIN, CONNECTOR (PC BOARD) 5P	
CNP602	1-778-458-11	CONNECTOR, BOARD TO BOARD 12P	
< DIODE >			
D908	8-719-024-99	DIODE 11ES2-NTA2B	
D909	8-719-024-99	DIODE 11ES2-NTA2B	
D910	8-719-024-99	DIODE 11ES2-NTA2B	
D911	8-719-024-99	DIODE 11ES2-NTA2B	
D912	8-719-024-99	DIODE 11ES2-NTA2B	
D913	8-719-024-99	DIODE 11ES2-NTA2B	
D914	8-719-024-99	DIODE 11ES2-NTA2B	
D915	8-719-024-99	DIODE 11ES2-NTA2B	
< IC >			
IC001	8-749-011-16	IC STK350-230	
IC201	8-759-636-74	IC M5218AP-22	
IC202	8-759-805-14	IC LC7822	
IC203	8-759-636-74	IC M5218AP-22	
IC253	8-759-636-74	IC M5218AP-22	
IC601	8-749-011-16	IC STK350-230	
IC651	8-749-011-16	IC STK350-230	
IC971	8-759-231-58	IC TA7812S	
IC972	8-759-604-45	IC M5F79M12	
IC973	8-759-701-56	IC NJM78M05FA	
< JACK >			
J201	1-770-272-11	JACK, PIN 2P (PHONO IN) (EXCEPT CH)	
J201	1-695-188-31	JACK, PIN 4P (PHONO IN, TUNNER IN) (CH)	
J202	1-770-015-11	JACK, PIN 6P (DAT/MD IN, REC OUT, CD IN)	

INPUT

POWER TRANSFORMER A

Ref. No.	Part No.	Description	Remark
J203	1-770-015-11	JACK, PIN 6P (5.1 INPUT FRONT, TAPE IN, REC OUT)	
J204	1-766-398-21	JACK, PIN 4P (5.1 INPUT REAR, CENTER, WOOFER)	
J205	1-766-398-21	JACK, PIN 4P (REAR, CENTER, WOOFER)	
< TRANSISTOR >			
Q201	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q202	8-729-900-63	TRANSISTOR DTA124ES	
Q251	8-729-141-30	TRANSISTOR 2SC3623A-LK	
< RESISTOR >			
R001	1-249-438-11	CARBON 56K 5% 1/4W	
R002	1-249-198-11	CARBON 330 5% 1/3W	
R003	1-249-413-11	CARBON 470 5% 1/4W	
R014	1-249-493-11	CARBON 56K 5% 1/3W	
R027	1-249-417-11	CARBON 1K 5% 1/4W	
R201	1-249-409-11	CARBON 220 5% 1/4W	
R202	1-249-441-11	CARBON 100K 5% 1/4W	
R203	1-249-441-11	CARBON 100K 5% 1/4W	
R204	1-249-416-11	CARBON 820 5% 1/4W	
R205	1-247-897-11	CARBON 560K 5% 1/4W	
R206	1-249-437-11	CARBON 47K 5% 1/4W	
R207	1-249-441-11	CARBON 100K 5% 1/4W	
R208	1-247-807-31	CARBON 100 5% 1/4W	
R209	1-249-417-11	CARBON 1K 5% 1/4W (CH)	
R210	1-249-417-11	CARBON 1K 5% 1/4W	
R211	1-249-417-11	CARBON 1K 5% 1/4W	
R212	1-249-417-11	CARBON 1K 5% 1/4W	
R213	1-249-417-11	CARBON 1K 5% 1/4W	
R214	1-249-417-11	CARBON 1K 5% 1/4W	
R215	1-249-441-11	CARBON 100K 5% 1/4W	
R216	1-249-437-11	CARBON 47K 5% 1/4W	
R217	1-249-437-11	CARBON 47K 5% 1/4W	
R218	1-249-441-11	CARBON 100K 5% 1/4W	
R220	1-249-425-11	CARBON 4.7K 5% 1/4W	
R228	1-249-441-11	CARBON 100K 5% 1/4W	
R232	1-249-409-11	CARBON 220 5% 1/4W	
R240	1-249-417-11	CARBON 1K 5% 1/4W	
R241	1-249-417-11	CARBON 1K 5% 1/4W	
R242	1-249-417-11	CARBON 1K 5% 1/4W	
R243	1-247-807-31	CARBON 100 5% 1/4W	
R244	1-247-807-31	CARBON 100 5% 1/4W	
R247	1-249-417-11	CARBON 1K 5% 1/4W	
R251	1-249-409-11	CARBON 220 5% 1/4W	
R252	1-249-441-11	CARBON 100K 5% 1/4W	
R253	1-249-441-11	CARBON 100K 5% 1/4W	
R254	1-249-416-11	CARBON 820 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R255	1-247-897-11	CARBON 560K 5% 1/4W	
R256	1-249-437-11	CARBON 47K 5% 1/4W	
R257	1-249-441-11	CARBON 100K 5% 1/4W	
R258	1-247-807-31	CARBON 100 5% 1/4W	
R259	1-249-417-11	CARBON 1K 5% 1/4W (CH)	
R260	1-249-417-11	CARBON 1K 5% 1/4W	
R261	1-249-417-11	CARBON 1K 5% 1/4W	
R262	1-249-417-11	CARBON 1K 5% 1/4W	
R263	1-249-417-11	CARBON 1K 5% 1/4W	
R264	1-249-417-11	CARBON 1K 5% 1/4W	
R265	1-249-441-11	CARBON 100K 5% 1/4W	
R266	1-249-437-11	CARBON 47K 5% 1/4W	
R267	1-249-437-11	CARBON 47K 5% 1/4W	
R268	1-249-441-11	CARBON 100K 5% 1/4W	
R270	1-249-425-11	CARBON 4.7K 5% 1/4W	
R278	1-249-437-11	CARBON 47K 5% 1/4W	
R282	1-249-409-11	CARBON 220 5% 1/4W	
R290	1-249-417-11	CARBON 1K 5% 1/4W	
R291	1-249-417-11	CARBON 1K 5% 1/4W	
R292	1-249-417-11	CARBON 1K 5% 1/4W	
R297	1-249-425-11	CARBON 4.7K 5% 1/4W	
R601	1-249-438-11	CARBON 56K 5% 1/4W	
R602	1-249-198-11	CARBON 330 5% 1/3W	
R603	1-249-413-11	CARBON 470 5% 1/4W	
R614	1-249-493-11	CARBON 56K 5% 1/3W	
R651	1-249-438-11	CARBON 56K 5% 1/4W	
R652	1-249-198-11	CARBON 330 5% 1/3W	
R653	1-249-413-11	CARBON 470 5% 1/4W	
R664	1-249-493-11	CARBON 56K 5% 1/3W	
R727	1-249-417-11	CARBON 1K 5% 1/4W	
R777	1-249-417-11	CARBON 1K 5% 1/4W	
< SWITCH >			
S202	1-692-196-11	SWITCH, SLIDE (LOW FILTER) (EXCEPT CH)	
S203	1-692-196-11	SWITCH, SLIDE (POWER SWAP) (EXCEPT CH)	

* 1-661-571-11 POWER TRANSFORMER A BOARD			

1-533-339-31 HOLDER, FUSE			
< CAPACITOR >			
C996	1-106-383-00	MYLAR 0.047uF 5% 200V	
C997	1-106-383-00	MYLAR 0.047uF 5% 200V	
< CONNECTOR >			
CNE932	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P	
* CNV931 1-565-395-11 PIN, CONNECTOR 3P			

POWER TRANSFORMER A

POWER TRANSFORMER B

S VIDEO

Ref. No.	Part No.	Description	Remark
< DIODE >			
D970	8-719-028-23	DIODE D3SBA20-4101	
< FUSE >			
△F911	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A 125V) (US, CND)	
△F911	1-532-505-51	FUSE, TIME LAG (5A 250V) (CH, AUS)	
△F912	1-533-614-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (1.6A 125V) (US, CND)	
△F912	1-532-503-51	FUSE, TIME LAG (1.6A 250V) (CH, AUS)	
△F913	1-533-614-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (1.6A 125V) (US, CND)	
△F913	1-532-503-51	FUSE, TIME LAG (1.6A 250V) (CH, AUS)	
△F914	1-533-420-11	FUSE, GLASS CYLINDRICAL (DIA. 5) (5A 125V) (US, CND)	
△F914	1-532-464-51	FUSE, TIME LAG (5A 250V) (CH, AUS)	
< TRANSFORMER >			
△T1	1-429-589-11	TRANSFORMER, POWER (US)	
△T1	1-429-590-11	TRANSFORMER, POWER (AUS)	
△T1	1-429-594-11	TRANSFORMER, POWER (CH)	
△T1	1-429-596-11	TRANSFORMER, POWER (CND)	

*	1-661-572-11	POWER TRANSFORMER B BOARD	

	4-986-277-01	SPACER (29)	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
< CAPACITOR >			
C981	1-126-964-11	ELECT 10uF 20% 50V	
C982	1-126-964-11	ELECT 10uF 20% 50V	
C989	1-128-555-91	ELECT 470uF 20% 63V (EXCEPT CH)	
C989	1-128-553-51	ELECT 220uF 20% 63V (CH)	
< CONNECTOR >			
CNE934	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P (EXCEPT CH)	
CNE934	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P (CH)	
CNV953	1-766-897-11	PIN, CONNECTOR (PC BOARD) 4P	
< DIODE >			
D916	8-719-987-63	DIODE 1N4148M (EXCEPT CH)	
D917	8-719-014-66	DIODE UZP-5.6B	
D918	8-719-024-99	DIODE 11ES2-NTA2B (CH)	
D919	8-719-024-99	DIODE 11ES2-NTA2B (CH)	
D920	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT CH)	

Ref. No.	Part No.	Description	Remark
D921	8-719-024-99	DIODE 11ES2-NTA2B (EXCEPT CH)	
D974	8-719-002-76	DIODE UZL-36H	
< TRANSISTOR >			
Q971	8-729-140-96	TRANSISTOR 2SD774-34	
< RESISTOR >			
△R975	1-249-405-11	CARBON 100 5% 1/4W F	
R976	1-249-426-11	CARBON 5.6K 5% 1/4W	
< RELAY >			
RY902	1-515-894-11	RELAY (US, AUS)	
RY903	1-515-918-11	RELAY (CND)	
RY904	1-515-918-11	RELAY (CND)	

*	A-4390-398-A	S VIDEO BOARD, COMPLETE	

< CAPACITOR >			
C805	1-136-165-00	FILM 0.1uF 5% 50V	
C809	1-164-095-11	CERAMIC 0.01uF 10% 16V	
C810	1-124-903-11	ELECT 1uF 20% 50V	
C814	1-136-165-00	FILM 0.1uF 5% 50V	
C817	1-164-159-11	CERAMIC 0.1uF 50V	
C821	1-164-095-11	CERAMIC 0.01uF 10% 16V	
C822	1-124-903-11	ELECT 1uF 20% 50V	
C823	1-136-165-00	FILM 0.1uF 5% 50V	
C825	1-164-095-11	CERAMIC 0.01uF 10% 16V	
C826	1-124-907-11	ELECT 10uF 20% 50V	
C827	1-124-907-11	ELECT 10uF 20% 50V	
C828	1-124-907-11	ELECT 10uF 20% 50V	
C829	1-124-903-11	ELECT 1uF 20% 50V	
C833	1-124-903-11	ELECT 1uF 20% 50V	
C834	1-136-165-00	FILM 0.1uF 5% 50V	
C845	1-136-165-00	FILM 0.1uF 5% 50V	
C846	1-104-664-11	ELECT 47uF 20% 50V	
C878	1-124-903-11	ELECT 1uF 20% 50V	
< CONNECTOR >			
* CND801	1-564-340-61	PIN, CONNECTOR 6P	
CNE807	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P	
CNS805	1-695-093-11	SOCKET, CONNECTOR 9P	
< IC >			
IC803	8-759-061-95	IC SN761200	
IC804	8-759-061-95	IC SN761200	

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

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

Ref. No.	Part No.	Description	Remark
< JACK >			
J804	1-537-943-11	TERMINAL, S (TV) (CH)	
J805	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 2 OUT, LD IN)	
J806	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1 OUT, VIDEO 2 IN)	
J807	1-764-676-11	CONNECTOR (ROUND TYPE) (MONITOR OUT, VIDEO 1 IN)	
< COIL >			
L803	1-410-509-11	INDUCTOR 10uH	
< TRANSISTOR >			
Q804	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q805	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q806	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q807	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q808	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q809	8-729-620-05	TRANSISTOR 2SC2603-EF	
Q810	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q811	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q812	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q813	8-729-900-36	TRANSISTOR DTC124ES	
< RESISTOR >			
R806	1-247-807-31	CARBON 100 5% 1/4W	
R815	1-249-403-11	CARBON 68 5% 1/4W	
R818	1-249-403-11	CARBON 68 5% 1/4W	
R819	1-249-403-11	CARBON 68 5% 1/4W	
R820	1-249-409-11	CARBON 220 5% 1/4W	
R821	1-249-409-11	CARBON 220 5% 1/4W	
R823	1-249-409-11	CARBON 220 5% 1/4W	
R824	1-249-409-11	CARBON 220 5% 1/4W	
R825	1-249-403-11	CARBON 68 5% 1/4W	
R827	1-249-403-11	CARBON 68 5% 1/4W	
R828	1-249-411-11	CARBON 330 5% 1/4W	
R829	1-249-411-11	CARBON 330 5% 1/4W	
R830	1-249-411-11	CARBON 330 5% 1/4W	
R831	1-249-403-11	CARBON 68 5% 1/4W	
R833	1-249-426-11	CARBON 5.6K 5% 1/4W	
R834	1-249-426-11	CARBON 5.6K 5% 1/4W	
R835	1-249-426-11	CARBON 5.6K 5% 1/4W	
R838	1-249-403-11	CARBON 68 5% 1/4W	
R839	1-249-403-11	CARBON 68 5% 1/4W	
R840	1-249-403-11	CARBON 68 5% 1/4W	
R841	1-249-403-11	CARBON 68 5% 1/4W	
R843	1-249-419-11	CARBON 1.5K 5% 1/4W	
R844	1-249-419-11	CARBON 1.5K 5% 1/4W	

Ref. No.	Part No.	Description	Remark
R845	1-249-419-11	CARBON 1.5K 5% 1/4W	
R847	1-249-403-11	CARBON 68 5% 1/4W	
R848	1-249-403-11	CARBON 68 5% 1/4W	
R849	1-249-403-11	CARBON 68 5% 1/4W	
R851	1-249-403-11	CARBON 68 5% 1/4W	
R854	1-249-430-11	CARBON 12K 5% 1/4W	
R855	1-249-430-11	CARBON 12K 5% 1/4W	
R856	1-249-430-11	CARBON 12K 5% 1/4W	
R857	1-249-403-11	CARBON 68 5% 1/4W	
R8007	1-249-409-11	CARBON 220 5% 1/4W	
R8011	1-249-409-11	CARBON 220 5% 1/4W	
R8055	1-249-403-11	CARBON 68 5% 1/4W	
R8056	1-249-403-11	CARBON 68 5% 1/4W	

*	A-4390-351-A	SAM BOARD, COMPLETE	

< CAPACITOR >			
C701	1-126-963-11	ELECT 4.7uF 20% 50V	
C702	1-162-282-31	CERAMIC 100PF 10% 50V	
C703	1-124-443-00	ELECT 100uF 20% 10V	
C704	1-102-233-00	CERAMIC 33PF 10% 500V	
C705	1-124-122-11	ELECT 100uF 20% 50V	
C706	1-124-122-11	ELECT 100uF 20% 50V	
C708	1-124-910-11	ELECT 47uF 20% 50V	
C714	1-162-193-31	CERAMIC 3.3PF 10% 50V	
C720	1-136-165-00	FILM 0.1uF 5% 50V	
C751	1-126-963-11	ELECT 4.7uF 20% 50V	
C752	1-162-282-31	CERAMIC 100PF 10% 50V	
C753	1-124-443-00	ELECT 100uF 20% 10V	
C754	1-102-233-00	CERAMIC 33PF 10% 500V	
C758	1-124-910-11	ELECT 47uF 20% 50V	
C764	1-162-193-31	CERAMIC 3.3PF 10% 50V	
C770	1-136-165-00	FILM 0.1uF 5% 50V	
< CONNECTOR >			
CNE705	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P	
CNS706	1-764-814-11	CONNECTOR, BOARD TO BOARD 15P	
< IC >			
IC701	8-759-326-52	IC uPC2581V	
< TRANSISTOR >			
Q707	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q757	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	

SAM	SP TM	SP TM (A)	SP TM (B)
------------	--------------	------------------	------------------

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< RESISTOR >					< COIL >						
R701	1-249-417-11	CARBON	1K	5%	1/4W	L001	1-411-906-11	COIL, AIR-CORE			
R702	1-249-438-11	CARBON	56K	5%	1/4W	L601	1-411-906-11	COIL, AIR-CORE			
R703	1-249-411-11	CARBON	330	5%	1/4W	L651	1-411-906-11	COIL, AIR-CORE			
R704	1-249-432-11	CARBON	18K	5%	1/4W	L701	1-411-906-11	COIL, AIR-CORE			
R714	1-249-438-11	CARBON	56K	5%	1/4W	L751	1-411-906-11	COIL, AIR-CORE			
					< TRANSISTOR >						
R721	1-249-425-11	CARBON	4. 7K	5%	1/4W	Q008	8-729-119-79	TRANSISTOR	2SC2785-FEK		
R722	1-249-421-11	CARBON	2. 2K	5%	1/4W	Q603	8-729-119-79	TRANSISTOR	2SC2785-FEK		
R751	1-249-417-11	CARBON	1K	5%	1/4W	Q608	8-729-119-79	TRANSISTOR	2SC2785-FEK		
R752	1-249-438-11	CARBON	56K	5%	1/4W	Q651	8-729-119-79	TRANSISTOR	2SC2785-FEK	(EXCEPT CH)	
R753	1-249-411-11	CARBON	330	5%	1/4W	Q658	8-729-119-79	TRANSISTOR	2SC2785-FEK		
					Q708	8-729-119-79	TRANSISTOR	2SC2785-FEK			
R764	1-249-438-11	CARBON	56K	5%	1/4W	< RESISTOR >					
R771	1-249-425-11	CARBON	4. 7K	5%	1/4W	R024	1-249-393-11	CARBON	10	5%	1/4W
R772	1-249-421-11	CARBON	2. 2K	5%	1/4W	R025	1-249-389-11	CARBON	4. 7	5%	1/4W
*****					R026	1-249-432-11	CARBON	18K	5%	1/4W	
					R030	1-249-425-11	CARBON	4. 7K	5%	1/4W	
					R031	1-249-429-11	CARBON	10K	5%	1/4W	
					R032	1-249-414-11	CARBON	560	5%	1/4W	
					R050	1-249-425-11	CARBON	4. 7K	5%	1/4W	
					(EXCEPT CH)						
					R051	1-249-429-11	CARBON	10K	5%	1/4W	
					(EXCEPT CH)						
					R052	1-249-414-11	CARBON	560	5%	1/4W	
					R604	1-249-429-11	CARBON	10K	5%	1/4W	
					R608	1-249-429-11	CARBON	10K	5%	1/4W	
					R616	1-249-417-11	CARBON	1K	5%	1/4W	
					R617	1-249-417-11	CARBON	1K	5%	1/4W	
					R624	1-249-393-11	CARBON	10	5%	1/4W	
					R625	1-249-389-11	CARBON	4. 7	5%	1/4W	
					R630	1-249-425-11	CARBON	4. 7K	5%	1/4W	
					R631	1-249-429-11	CARBON	10K	5%	1/4W	
					R632	1-249-414-11	CARBON	560	5%	1/4W	
					R674	1-249-393-11	CARBON	10	5%	1/4W	
					R675	1-249-389-11	CARBON	4. 7	5%	1/4W	
					R680	1-249-425-11	CARBON	4. 7K	5%	1/4W	
					R681	1-249-429-11	CARBON	10K	5%	1/4W	
					R682	1-249-414-11	CARBON	560	5%	1/4W	
					R724	1-249-393-11	CARBON	10	5%	1/4W	
					R725	1-249-389-11	CARBON	4. 7	5%	1/4W	
					R726	1-249-432-11	CARBON	18K	5%	1/4W	
					R730	1-249-425-11	CARBON	4. 7K	5%	1/4W	
					R731	1-249-429-11	CARBON	10K	5%	1/4W	
					R732	1-249-414-11	CARBON	560	5%	1/4W	
					R774	1-249-393-11	CARBON	10	5%	1/4W	

SP TM					SP TM (A)					SP TM (B)					SURROUND				
Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark		Ref. No.	Part No.	Description	Remark	
R775	1-249-389-11	CARBON	4.7	5%	1/4W	C1310	1-124-995-11	ELECT	220uF	20%	10V								
R776	1-249-432-11	CARBON	18K	5%	1/4W	C1311	1-124-907-11	ELECT	10uF	20%	50V			(CH)					
< RELAY >																			
RY001	1-515-920-11	RELAY (24V)				C1311	1-126-048-81	ELECT	10uF	20%	50V			(CH)					
RY601	1-515-920-11	RELAY (24V)				C1312	1-124-907-11	ELECT	10uF	20%	50V			(EXCEPT CH)					
RY602	1-515-614-11	RELAY				C1312	1-126-048-81	ELECT	10uF	20%	50V			(CH)					
RY651	1-515-920-11	RELAY (24V)				C1313	1-136-165-00	FILM	0.1uF	5%	50V								
RY701	1-515-920-11	RELAY (24V)				C1314	1-136-165-00	FILM	0.1uF	5%	50V								
< SWITCH >																			
S721	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)				C1315	1-124-902-00	ELECT	0.47uF	20%	50V			(US, CND)					
		(EXCEPT CH)				C1316	1-126-963-11	ELECT	4.7uF	20%	50V			(EXCEPT CH)					
< TERMINAL >																			
TM001	1-694-115-11	TERMINAL BOARD (6P) (CENTER SPEAKER, REAR SPEAKERS)				C1316	1-126-047-81	ELECT	4.7uF	20%	50V			(CH)					
TM601	1-694-113-11	TERMINAL BOARD (FRONT SPEAKERS)				C1317	1-124-902-00	ELECT	0.47uF	20%	50V			(US, CND, AUS)					
*****						C1318	1-126-963-11	ELECT	4.7uF	20%	50V			(EXCEPT CH)					
*	A-4390-392-A	SURROUND BOARD, COMPLETE (US, CND)				C1318	1-126-047-81	ELECT	4.7uF	20%	50V			(CH)					
*	A-4390-492-A	SURROUND BOARD, COMPLETE (AUS)				C1319	1-136-167-00	FILM	0.15uF	5%	50V								
*	A-4390-405-A	SURROUND BOARD, COMPLETE (CH)				C1320	1-126-962-11	ELECT	3.3uF	20%	50V			(EXCEPT CH)					

< CAPACITOR >																			
C1303	1-136-157-00	FILM	0.022uF	5%	50V	C1320	1-126-046-11	ELECT	3.3uF	20%	50V			(CH)					
C1304	1-136-161-00	FILM	0.047uF	5%	50V	C1321	1-136-167-00	FILM	0.15uF	5%	50V								
C1305	1-104-666-11	ELECT	220uF	20%	10V	C1322	1-162-282-31	CERAMIC	100PF	10%	50V								
					(EXCEPT CH)	C1323	1-104-664-11	ELECT	47uF	20%	16V			(EXCEPT CH)					
C1305	1-124-995-11	ELECT	220uF	20%	10V	C1323	1-126-008-51	ELECT	47uF	20%	16V			(CH)					
					(CH)	C1324	1-136-165-00	FILM	0.1uF	5%	50V								
C1306	1-124-907-11	ELECT	10uF	20%	50V	C1325	1-136-165-00	FILM	0.1uF	5%	50V								
					(EXCEPT CH)														
C1306	1-126-048-81	ELECT	10uF	20%	50V	C1326	1-124-902-00	ELECT	0.47uF	20%	50V			(US, CND, AUS)					
					(CH)	C1327	1-126-963-11	ELECT	4.7uF	20%	50V			(EXCEPT CH)					
C1307	1-124-907-11	ELECT	10uF	20%	50V	C1327	1-126-047-81	ELECT	4.7uF	20%	50V			(CH)					
					(EXCEPT CH)	C1328	1-126-963-11	ELECT	4.7uF	20%	50V			(EXCEPT CH)					
C1307	1-126-048-81	ELECT	10uF	20%	50V	C1328	1-126-047-81	ELECT	4.7uF	20%	50V			(CH)					
					(CH)														
C1308	1-124-907-11	ELECT	10uF	20%	50V	C1329	1-136-167-00	FILM	0.15uF	5%	50V								
					(EXCEPT CH)	C1330	1-124-902-00	ELECT	0.47uF	20%	50V			(US, CND, AUS)					
C1308	1-126-048-81	ELECT	10uF	20%	50V	C1331	1-126-962-11	ELECT	3.3uF	20%	50V			(WXCEPT CH)					
					(CH)														
C1309	1-124-907-11	ELECT	10uF	20%	50V														
					(EXCEPT CH)														
C1309	1-126-048-81	ELECT	10uF	20%	50V														
					(CH)														
C1310	1-104-666-11	ELECT	220uF	20%	10V														
					(EXCEPT CH)														

SURROUND

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C1331	1-126-046-11	ELECT	3. 3uF 20% 50V (CH)	C1357	1-124-995-11	ELECT	220uF 20% 10V (CH)
C1332	1-136-167-00	FILM	0. 15uF 5% 50V	C1391	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C1333	1-104-666-11	ELECT	220uF 20% 10V (EXCEPT CH)	C1391	1-126-048-81	ELECT	10uF 20% 50V (CH)
C1333	1-124-995-11	ELECT	220uF 20% 10V (CH)	C1392	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C1334	1-104-665-11	ELECT	100uF 20% 16V	C1392	1-126-048-81	ELECT	10uF 20% 50V (CH)
C1335	1-164-159-11	CERAMIC	0. 1uF 50V	C1394	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C1336	1-126-961-11	ELECT	2. 2uF 20% 50V (EXCEPT CH)	C1394	1-126-048-81	ELECT	10uF 20% 50V (CH)
C1336	1-126-045-11	ELECT	2. 2uF 20% 50V (CH)	C1401	1-126-963-11	ELECT	4. 7uF 20% 50V (EXCEPT CH)
C1337	1-104-666-11	ELECT	220uF 20% 10V (EXCEPT CH)	C1401	1-126-047-81	ELECT	4. 7uF 20% 50V (CH)
C1337	1-124-995-11	ELECT	220uF 20% 10V (CH)	C1402	1-102-106-00	CERAMIC	100PF 10% 50V
C1338	1-136-165-00	FILM	0. 1uF 5% 50V	C1406	1-136-159-00	FILM	0. 033uF 5% 50V
C1339	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	C1407	1-136-171-00	FILM	0. 33uF 5% 50V
C1339	1-126-048-81	ELECT	10uF 20% 50V (CH)	C1408	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT CH)
C1340	1-130-469-00	MYLAR	680PF 5% 50V	C1408	1-126-008-51	ELECT	47uF 20% 16V (CH)
C1341	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	C1409	1-136-163-00	FILM	0. 068uF 5% 50V
C1341	1-126-048-81	ELECT	10uF 20% 50V (CH)	C1410	1-136-154-00	FILM	0. 012uF 5% 50V
C1342	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	C1411	1-130-476-00	MYLAR	0. 0027uF 5% 50V
C1342	1-126-048-81	ELECT	10uF 20% 50V (CH)	C1412	1-136-157-00	FILM	0. 022uF 5% 50V
C1343	1-164-159-11	CERAMIC	0. 1uF 50V	C1413	1-102-947-00	CERAMIC	10PF 5% 50V
C1344	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	C1414	1-102-947-00	CERAMIC	10PF 5% 50V
C1344	1-126-048-81	ELECT	10uF 20% 50V (CH)	C1415	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C1345	1-164-159-11	CERAMIC	0. 1uF 50V	C1415	1-126-048-81	ELECT	10uF 20% 50V (CH)
C1346	1-164-159-11	CERAMIC	0. 1uF 50V	C1416	1-102-947-00	CERAMIC	10PF 5% 50V
C1347	1-136-173-00	FILM	0. 47uF 5% 50V	C1452	1-102-106-00	CERAMIC	100PF 10% 50V
C1352	1-104-666-11	ELECT	220uF 20% 10V (EXCEPT CH)	C1456	1-136-159-00	FILM	0. 033uF 5% 50V
C1352	1-124-995-11	ELECT	220uF 20% 10V (CH)	C1457	1-136-171-00	FILM	0. 33uF 5% 50V
C1353	1-136-159-00	FILM	0. 033uF 5% 50V	C1458	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT CH)
C1354	1-130-473-00	MYLAR	0. 0015uF 5% 50V	C1458	1-126-008-51	ELECT	47uF 20% 16V (CH)
C1355	1-136-159-00	FILM	0. 033uF 5% 50V	C1459	1-136-163-00	FILM	0. 068uF 5% 50V
C1356	1-124-903-11	ELECT	1uF 20% 50V (EXCEPT CH)	C1460	1-136-154-00	FILM	0. 012uF 5% 50V
C1356	1-126-044-11	ELECT	1uF 20% 50V (CH)	C1461	1-130-476-00	MYLAR	0. 0027uF 5% 50V
C1357	1-104-666-11	ELECT	220uF 20% 10V (EXCEPT CH)	C1462	1-136-157-00	FILM	0. 022uF 5% 50V
				C1463	1-102-947-00	CERAMIC	10PF 5% 50V
				C1464	1-102-947-00	CERAMIC	10PF 5% 50V

Ref. No.	Part No.	Description	Remark
C1465	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)
C1465	1-126-048-81	ELECT	10uF 20% 50V (CH)
C1466	1-102-947-00	CERAMIC	10PF 5% 50V
C1470	1-136-165-00	FILM	0.1uF 5% 50V
C1471	1-164-159-11	CERAMIC	0.1uF 50V
C1472	1-164-159-11	CERAMIC	0.1uF 50V
C1473	1-162-282-31	CERAMIC	100PF 10% 50V
C1495	1-164-159-11	CERAMIC	0.1uF 50V
C1496	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT CH)
C1496	1-126-008-51	ELECT	47uF 20% 16V (CH)
C1497	1-104-664-11	ELECT	47uF 20% 16V (EXCEPT CH)
C1497	1-126-008-51	ELECT	47uF 20% 16V (CH)
C1498	1-162-282-31	CERAMIC	100PF 10% 50V
< CONNECTOR >			
CND451	1-506-615-11	PIN, CONNECTOR 9P	
* CND454	1-564-340-61	PIN, CONNECTOR 6P	
* CND455	1-564-499-11	PIN, CONNECTOR 6P	
* CND456	1-564-342-11	PIN, CONNECTOR 8P	
* CND457	1-564-338-71	PIN, CONNECTOR 4P (US, CND)	
* CND457	1-564-338-00	PIN, CONNECTOR 4P (AUS)	
CND470	1-564-501-11	PIN, CONNECTOR 8P	
* CND471	1-564-500-11	PIN, CONNECTOR 7P	
CNE452	1-770-963-11	PIN, CONNECTOR (PCB) (V TYPE) 3P	(US, CND, AUS)
CNE452	1-770-965-11	PIN, CONNECTOR (PCB) (V TYPE) 5P (CH)	
* CNS458	1-580-974-11	CONNECTOR, BOARD TO BOARD	
* CNS459	1-580-974-11	CONNECTOR, BOARD TO BOARD	
< DIODE >			
D1104	8-719-987-63	DIODE 1N4148M	
D1105	8-719-987-63	DIODE 1N4148M	
D1161	8-719-987-63	DIODE 1N4148M	
D1162	8-719-987-63	DIODE 1N4148M	
D1163	8-719-987-63	DIODE 1N4148M	
D1164	8-719-987-63	DIODE 1N4148M	
D1401	8-719-987-63	DIODE 1N4148M	
D1402	8-719-987-63	DIODE 1N4148M	
< FRONTEND >			
FE1301	1-233-666-11	ENCAPSULATED COMPONENT (US, CND)	
FE1301	1-233-670-11	ENCAPSULATED COMPONENT (AUS)	

Ref. No.	Part No.	Description	Remark
< IC >			
IC1301	8-759-248-74	IC LA2785	
IC1302	8-759-341-23	IC LV1011	
IC1303	8-759-634-51	IC M5218AP	
IC1304	8-759-701-59	IC NJM78M09FA	
IC1401	8-759-072-32	IC TC9184P	
IC1402	8-759-634-51	IC M5218AP	
IC1403	8-759-060-73	IC NJU3713D	
< COIL >			
L1301	1-410-509-11	INDUCTOR	10uH
L1302	1-410-509-11	INDUCTOR	10uH
< TRANSISTOR >			
Q401	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q402	8-729-202-67	TRANSISTOR	2SK246-GR3
Q451	8-729-141-30	TRANSISTOR	2SC3623A-LK
Q452	8-729-202-67	TRANSISTOR	2SK246-GR3
Q1401	8-729-900-36	TRANSISTOR	DTC124ES
Q1402	8-729-900-63	TRANSISTOR	DTA124ES
Q1403	8-729-900-63	TRANSISTOR	DTA124ES
Q1404	8-729-900-63	TRANSISTOR	DTA124ES
Q1410	8-729-900-63	TRANSISTOR	DTA124ES
< RESISTOR >			
R1151	1-249-429-11	CARBON	10K 5% 1/4W
R1152	1-249-413-11	CARBON	470 5% 1/4W
R1153	1-249-417-11	CARBON	1K 5% 1/4W (US, CND, AUS)
R1154	1-249-417-11	CARBON	1K 5% 1/4W (US, CND, AUS)
R1155	1-249-417-11	CARBON	1K 5% 1/4W (US, CND, AUS)
R1161	1-249-429-11	CARBON	10K 5% 1/4W
R1307	1-249-417-11	CARBON	1K 5% 1/4W
R1308	1-249-431-11	CARBON	15K 5% 1/4W
R1310	1-249-436-11	CARBON	39K 5% 1/4W
R1311	1-249-439-11	CARBON	68K 5% 1/4W
R1312	1-247-903-00	CARBON	1M 5% 1/4W
R1313	1-249-441-11	CARBON	100K 5% 1/4W
R1314	1-249-429-11	CARBON	10K 5% 1/4W
R1315	1-249-433-11	CARBON	22K 5% 1/4W
R1316	1-249-429-11	CARBON	10K 5% 1/4W
R1363	1-249-441-11	CARBON	100K 5% 1/4W
R1364	1-249-429-11	CARBON	10K 5% 1/4W
R1365	1-249-433-11	CARBON	22K 5% 1/4W
R1366	1-249-429-11	CARBON	10K 5% 1/4W
R1401	1-249-426-11	CARBON	5.6K 5% 1/4W

SURROUND

SWP

Ref. No.	Part No.	Description	Remark
R1402	1-249-437-11	CARBON	47K 5% 1/4W
R1403	1-249-429-11	CARBON	10K 5% 1/4W
R1404	1-249-440-11	CARBON	82K 5% 1/4W
R1405	1-249-417-11	CARBON	1K 5% 1/4W
R1406	1-249-413-11	CARBON	470 5% 1/4W
R1407	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1408	1-247-883-00	CARBON	150K 5% 1/4W
R1409	1-247-843-11	CARBON	3. 3K 5% 1/4W
R1410	1-247-903-00	CARBON	1M 5% 1/4W
R1411	1-249-441-11	CARBON	100K 5% 1/4W
R1412	1-249-426-11	CARBON	5. 6K 5% 1/4W
R1413	1-249-441-11	CARBON	100K 5% 1/4W
R1414	1-249-429-11	CARBON	10K 5% 1/4W
R1415	1-249-434-11	CARBON	27K 5% 1/4W
R1416	1-249-426-11	CARBON	5. 6K 5% 1/4W
R1417	1-249-418-11	CARBON	1. 2K 5% 1/4W
R1418	1-247-895-00	CARBON	470K 5% 1/4W
R1419	1-249-441-11	CARBON	100K 5% 1/4W
R1420	1-249-437-11	CARBON	47K 5% 1/4W
R1430	1-249-429-11	CARBON	10K 5% 1/4W
R1451	1-249-426-11	CARBON	5. 6K 5% 1/4W
R1452	1-249-437-11	CARBON	47K 5% 1/4W
R1455	1-249-417-11	CARBON	1K 5% 1/4W
R1456	1-249-413-11	CARBON	470 5% 1/4W
R1457	1-249-427-11	CARBON	6. 8K 5% 1/4W
R1458	1-247-883-00	CARBON	150K 5% 1/4W
R1459	1-247-843-11	CARBON	3. 3K 5% 1/4W
R1460	1-247-903-00	CARBON	1M 5% 1/4W
R1461	1-249-441-11	CARBON	100K 5% 1/4W
R1462	1-249-426-11	CARBON	5. 6K 5% 1/4W
R1463	1-249-441-11	CARBON	100K 5% 1/4W
R1465	1-249-434-11	CARBON	27K 5% 1/4W
R1466	1-249-426-11	CARBON	5. 6K 5% 1/4W
R1467	1-249-418-11	CARBON	1. 2K 5% 1/4W
R1468	1-247-895-00	CARBON	470K 5% 1/4W
R1470	1-249-440-11	CARBON	82K 5% 1/4W
R1471	1-249-437-11	CARBON	47K 5% 1/4W
R1472	1-249-429-11	CARBON	10K 5% 1/4W
R1473	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1474	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1475	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1476	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1477	1-249-417-11	CARBON	1K 5% 1/4W
R1478	1-249-417-11	CARBON	1K 5% 1/4W
R1479	1-249-417-11	CARBON	1K 5% 1/4W
R1480	1-249-429-11	CARBON	10K 5% 1/4W
R1494	1-247-903-00	CARBON	1M 5% 1/4W

Ref. No.	Part No.	Description	Remark
R1495	1-249-425-11	CARBON	4. 7K 5% 1/4W
R1496	1-249-419-11	CARBON	1. 5K 5% 1/4W
R1497	1-249-419-11	CARBON	1. 5K 5% 1/4W
R1498	1-249-425-11	CARBON	4. 7K 5% 1/4W
< TERMINAL >			
TM1301	1-537-769-11	TERMINAL BOARD (ANTENNA)	(US, CND)
TM1301	1-537-488-11	TERMINAL BOARD (ANTENNA)	(AUS)
< TEST PIN >			
* TP400	1-560-200-00	BASE POST, MCD CONNECTOR 2P	
< VIBRATOR >			
X301	1-579-952-21	VIBRATOR, CERAMIC (8.00MHz)	

*	A-4390-869-A	SWP BOARD, COMPLETE (EXCEPT CH)	
*	A-4390-868-A	SWP BOARD, COMPLETE (CH)	

< CAPACITOR >			
C500	1-162-294-31	CERAMIC	0. 001uF 10% 50V
C501	1-136-153-00	FILM	0. 01uF 5% 50V
C503	1-124-907-11	ELECT	10uF 20% 50V
(EXCEPT CH)			
C503	1-126-048-81	ELECT	10uF 20% 50V
(CH)			
C505	1-124-925-11	ELECT	2. 2uF 20% 50V
C509	1-136-159-00	FILM	0. 033uF 5% 50V
(EXCEPT CH)			
C510	1-136-159-00	FILM	0. 033uF 5% 50V
(EXCEPT CH)			
C511	1-162-294-31	CERAMIC	0. 001uF 10% 50V
(EXCEPT CH)			
C512	1-124-907-11	ELECT	10uF 20% 50V
(EXCEPT CH)			
C512	1-126-048-81	ELECT	10uF 20% 50V
(CH)			
C513	1-124-907-11	ELECT	10uF 20% 50V
(EXCEPT CH)			
C513	1-126-048-81	ELECT	10uF 20% 50V
(CH)			
C515	1-124-907-11	ELECT	10uF 20% 50V
(EXCEPT CH)			
C515	1-126-048-81	ELECT	10uF 20% 50V
(CH)			
C516	1-124-907-11	ELECT	10uF 20% 50V
(EXCEPT CH)			
C516	1-126-048-81	ELECT	10uF 20% 50V
(CH)			

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C548	1-162-282-31	CERAMIC	100PF 10% 50V	IC511	8-759-634-51	IC M5218AP	
C549	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	IC512	8-759-634-51	IC M5218AP	
C549	1-126-048-81	ELECT	10uF 20% 50V (CH)	< TRANSISTOR >			
C550	1-162-294-31	CERAMIC	0.001uF 10% 50V	Q501	8-729-620-05	TRANSISTOR 2SC2603-EF	
C551	1-136-153-00	FILM	0.01uF 5% 50V	Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C553	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	Q503	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C553	1-126-048-81	ELECT	10uF 20% 50V (CH)	Q504	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C559	1-136-159-00	FILM	0.033uF 5% 50V (EXCEPT CH)	Q505	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C560	1-136-159-00	FILM	0.033uF 5% 50V (EXCEPT CH)	Q506	8-729-620-05	TRANSISTOR 2SC2603-EF	
C562	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	Q508	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C562	1-126-048-81	ELECT	10uF 20% 50V (CH)	Q509	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C563	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	Q510	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C563	1-126-048-81	ELECT	10uF 20% 50V (CH)	Q552	8-729-141-30	TRANSISTOR 2SC3623A-LK	
C599	1-124-907-11	ELECT	10uF 20% 50V (EXCEPT CH)	< RESISTOR >			
C599	1-126-048-81	ELECT	10uF 20% 50V (CH)	R500	1-249-425-11	CARBON 4.7K 5% 1/4W	
< CONNECTOR >				R501	1-249-429-11	CARBON 10K 5% 1/4W	
CNE503	1-770-970-11	PIN, CONNECTOR (PCB) (V TYPE) 10P		R502	1-249-429-11	CARBON 10K 5% 1/4W	
CNE505	1-770-969-11	PIN, CONNECTOR (PCB) (V TYPE) 9P		R503	1-249-431-11	CARBON 15K 5% 1/4W	
CNE506	1-770-969-11	PIN, CONNECTOR (PCB) (V TYPE) 9P		R504	1-249-426-11	CARBON 5.6K 5% 1/4W	
CNS201	1-695-096-11	SOCKET, CONNECTOR 15P		R505	1-249-413-11	CARBON 470 5% 1/4W	
CNS504	1-750-179-11	SOCKET, CONNECTOR 5P		R506	1-249-426-11	CARBON 5.6K 5% 1/4W	
CNS508	1-750-983-11	CONNECTOR, BOARD TO BOARD 15P		R507	1-249-413-11	CARBON 470 5% 1/4W	
CNS509	1-750-983-11	CONNECTOR, BOARD TO BOARD 15P		R508	1-249-426-11	CARBON 5.6K 5% 1/4W	
< DIODE >				R512	1-249-441-11	CARBON 100K 5% 1/4W	
D111	8-719-987-63	DIODE 1N4148M		R513	1-249-413-11	CARBON 470 5% 1/4W	
D112	8-719-987-63	DIODE 1N4148M		R514	1-249-413-11	CARBON 470 5% 1/4W	
D501	8-719-987-63	DIODE 1N4148M		R515	1-249-413-11	CARBON 470 5% 1/4W	
D503	8-719-987-63	DIODE 1N4148M		R516	1-249-426-11	CARBON 5.6K 5% 1/4W	
< IC >				R517	1-249-426-11	CARBON 5.6K 5% 1/4W	
IC501	8-759-805-13	IC LC7821		R518	1-249-426-11	CARBON 5.6K 5% 1/4W	
IC502	8-759-805-15	IC LC7823		R519	1-249-436-11	CARBON 39K 5% 1/4W (EXCEPT CH)	
IC503	8-759-634-51	IC M5218AP		R520	1-247-876-11	CARBON 75K 5% 1/4W (EXCEPT CH)	
IC508	8-759-708-05	IC NJM78L05A		R521	1-249-425-11	CARBON 4.7K 5% 1/4W (EXCEPT CH)	
IC509	8-759-805-14	IC LC7822 (EXCEPT CH)		R522	1-249-441-11	CARBON 100K 5% 1/4W	
IC510	8-759-634-51	IC M5218AP (EXCEPT CH)		R523	1-249-417-11	CARBON 1K 5% 1/4W	
				R524	1-249-429-11	CARBON 10K 5% 1/4W	
				R525	1-249-417-11	CARBON 1K 5% 1/4W	
				R526	1-249-437-11	CARBON 47K 5% 1/4W	
				R528	1-249-441-11	CARBON 100K 5% 1/4W	

SWP

VIDEO

Ref. No.	Part No.	Description	Remark		
R529	1-249-437-11	CARBON	47K	5%	1/4W
R530	1-249-441-11	CARBON	100K	5%	1/4W
R531	1-249-417-11	CARBON	1K	5%	1/4W
R532	1-249-429-11	CARBON	10K	5%	1/4W
R533	1-249-417-11	CARBON	1K	5%	1/4W
R534	1-249-413-11	CARBON	470	5%	1/4W
R535	1-249-426-11	CARBON	5.6K	5%	1/4W
R537	1-249-413-11	CARBON	470	5%	1/4W
R541	1-249-429-11	CARBON	10K	5%	1/4W
R542	1-249-429-11	CARBON	10K	5%	1/4W
R543	1-249-429-11	CARBON	10K	5%	1/4W
R550	1-249-425-11	CARBON	4.7K	5%	1/4W
R551	1-249-429-11	CARBON	10K	5%	1/4W
R552	1-249-429-11	CARBON	10K	5%	1/4W
R553	1-247-883-00	CARBON	150K	5%	1/4W
R555	1-249-413-11	CARBON	470	5%	1/4W
R556	1-249-426-11	CARBON	5.6K	5%	1/4W
R557	1-249-413-11	CARBON	470	5%	1/4W
R558	1-249-426-11	CARBON	5.6K	5%	1/4W
R563	1-249-413-11	CARBON	470	5%	1/4W
R564	1-249-413-11	CARBON	470	5%	1/4W
R565	1-249-413-11	CARBON	470	5%	1/4W
R566	1-249-426-11	CARBON	5.6K	5%	1/4W
R567	1-249-426-11	CARBON	5.6K	5%	1/4W
R568	1-249-426-11	CARBON	5.6K	5%	1/4W
R569	1-249-436-11	CARBON	39K	5%	1/4W (EXCEPT CH)
R570	1-247-876-11	CARBON	75K	5%	1/4W (EXCEPT CH)
R572	1-249-441-11	CARBON	100K	5%	1/4W
R573	1-249-417-11	CARBON	1K	5%	1/4W
R574	1-249-429-11	CARBON	10K	5%	1/4W
R575	1-249-417-11	CARBON	1K	5%	1/4W
R580	1-249-441-11	CARBON	100K	5%	1/4W
R581	1-249-417-11	CARBON	1K	5%	1/4W
R582	1-249-429-11	CARBON	10K	5%	1/4W
R583	1-249-417-11	CARBON	1K	5%	1/4W
R584	1-249-413-11	CARBON	470	5%	1/4W
R585	1-249-426-11	CARBON	5.6K	5%	1/4W
R593	1-249-429-11	CARBON	10K	5%	1/4W

< RELAY >

RY501 1-515-614-11 RELAY
RY503 1-515-614-11 RELAY

Ref. No.	Part No.	Description	Remark		
*	A-4390-923-A	VIDEO BOARD, COMPLETE	*****		
< CAPACITOR >					
C812	1-124-443-00	ELECT	47uF	20%	16V
C838	1-164-159-11	CERAMIC	0.1uF		50V
C856	1-124-903-11	ELECT	1uF	20%	50V
C858	1-124-903-11	ELECT	1uF	20%	50V
C862	1-124-903-11	ELECT	1uF	20%	50V
C864	1-124-907-11	ELECT	10uF	20%	50V
C865	1-124-907-11	ELECT	10uF	20%	50V
C866	1-124-907-11	ELECT	10uF	20%	50V
C867	1-124-903-11	ELECT	1uF	20%	50V
< CONNECTOR >					
CNS806	1-695-093-11	SOCKET, CONNECTOR 9P			
< IC >					
IC811	8-759-061-95	IC	SN761200		
< JACK >					
J808	1-774-821-11	JACK, PIN 3P (VIDEO 2 VIDEO OUT, LD VIDEO IN, TV VIDEO IN)			
J809	1-774-821-11	JACK, PIN 3P (VIDEO 1 VIDEO IN, VIDEO OUT, VIDEO 2 VIDEO IN)			
J810	1-770-336-11	JACK, PIN 2P (MONITOR OUT 1, OUT 2)			
< TRANSISTOR >					
Q814	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q815	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q816	8-729-620-05	TRANSISTOR	2SC2603-EF		
Q817	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q818	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q819	8-729-119-76	TRANSISTOR	2SA1175-HFE		
Q826	8-729-900-36	TRANSISTOR	DTC124ES		
< RESISTOR >					
R807	1-249-409-11	CARBON	220	5%	1/4W
R866	1-249-403-11	CARBON	68	5%	1/4W
R868	1-249-403-11	CARBON	68	5%	1/4W
R869	1-249-403-11	CARBON	68	5%	1/4W
R870	1-249-426-11	CARBON	5.6K	5%	1/4W
R871	1-249-426-11	CARBON	5.6K	5%	1/4W
R872	1-249-426-11	CARBON	5.6K	5%	1/4W
R873	1-249-403-11	CARBON	68	5%	1/4W
R874	1-249-403-11	CARBON	68	5%	1/4W
R875	1-249-403-11	CARBON	68	5%	1/4W

Ref. No.	Part No.	Description	Remark
R876	1-249-419-11	CARBON	1.5K 5% 1/4W
R877	1-249-419-11	CARBON	1.5K 5% 1/4W
R878	1-249-419-11	CARBON	1.5K 5% 1/4W
R879	1-249-403-11	CARBON	68 5% 1/4W
R880	1-249-403-11	CARBON	68 5% 1/4W
R881	1-249-403-11	CARBON	68 5% 1/4W
R882	1-249-403-11	CARBON	68 5% 1/4W
R883	1-249-403-11	CARBON	68 5% 1/4W
R885	1-249-403-11	CARBON	68 5% 1/4W
R888	1-249-430-11	CARBON	12K 5% 1/4W
R889	1-249-430-11	CARBON	12K 5% 1/4W
R890	1-249-430-11	CARBON	12K 5% 1/4W
R8009	1-249-409-11	CARBON	220 5% 1/4W
R8010	1-249-409-11	CARBON	220 5% 1/4W

* 1-661-563-11 VOLUME BOARD

7-682-548-04 SCREW +BVT 3X8 (S)

< CONNECTOR >

CNP107 1-770-389-11 PIN, CONNECTOR (PC BOARD) 5P

CNP108 1-770-388-11 PIN, CONNECTOR (PC BOARD) 4P

< VARIABLE RESISTOR >

RV501 1-225-232-11 RES, VAR, CARBON 100KX6 (MASTER VOL)

MISCELLANEOUS

△67 1-569-008-21 ADAPTOR, CONVERSION 2P (CH)

△CNP901 1-690-608-11 CORD, POWER (AUS)

△CNP901 1-769-743-11 CORD, POWER (US, CND)

△CNP901 1-776-095-11 CORD, POWER (CH)

△CNS901 1-251-078-11 OUTLET, AC. (AUS)

△CNS901 1-526-794-11 OUTLET, AC (CH)

△T1 1-429-589-11 TRANSFORMER, POWER (US)

△T1 1-429-590-11 TRANSFORMER, POWER (AUS)

△T1 1-429-594-11 TRANSFORMER, POWER (CH)

△T1 1-429-596-11 TRANSFORMER, POWER (CND)

HARDWARE LIST

#1 7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3

#2 7-682-548-04 SCREW +BVT 3X8 (S)

#3 7-685-645-79 SCREW +BVTP 3X6 TYPE2 IT-3

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	

	1-473-629-11	REMOTE COMMANDER (RM-P362)	
	1-501-594-11	ANTENNA (FM) (AUS)	
	1-501-721-11	ANTENNA (LOOP) (GA7ES)	
	3-856-158-31	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, CHINESE) (VA7ES)	
	3-856-160-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH) (GA7ES)	
*	4-972-386-01	CUSHION	
	4-983-536-01	LID, BATTERY CASE (for RM-P362)	
*	4-985-238-01	INDIVIDUAL CARTON (GA7ES)	
*	4-985-758-01	INDIVIDUAL CARTON (VA7ES)	

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

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

