

STR-DB840/DB940

SERVICE MANUAL



Photo: STR-DB940 (AEP and UK models) (Black type)

US Model
Canadian Model
AEP Model
UK Model
STR-DB840/DB940
E Model
Australian Model
Chinese Model
STR-DB940

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 20 - 20,000 Hz; rated 110 watts (STR-DB940) and 100 watts (STR-DB840) per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output (USA model only).

Amplifier section

POWER OUTPUT

Models of area code U, CA

Rated Power Output at Stereo Mode
(8 ohms 20 Hz - 20 kHz, THD 0.09 %)

STR-DB940:	110 W + 110 W
STR-DB840:	100 W + 100 W
(4 ohms 20 Hz - 20 kHz, THD 0.09 %)	
STR-DB940:	100 W + 100 W
STR-DB840:	90 W + 90 W

Reference Power Output

(8 ohms 20 Hz - 20 kHz, THD 0.09 %)

STR-DB940:	FRONT ¹⁾ : 110 W + 110 W CENTER ¹⁾ : 110 W REAR ¹⁾ : 110 W + 110 W
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STR-DB840:	FRONT ¹⁾ : 100 W + 100 W CENTER ¹⁾ : 100 W REAR ¹⁾ : 100 W + 100 W
(4 ohms 20 Hz - 20 kHz, THD 0.09 %)	
STR-DB940:	FRONT ¹⁾ : 100 W + 100 W CENTER ¹⁾ : 100 W REAR ¹⁾ : 100 W + 100 W
STR-DB840:	FRONT ¹⁾ : 90 W + 90 W CENTER ¹⁾ : 90 W REAR ¹⁾ : 90 W + 90 W

Models of other area code

Rated Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)

STR-DB940:	110 W + 110 W ²⁾ 100 W + 100 W ³⁾
STR-DB840:	100 W + 100 W
(4 ohms 1 kHz, THD 0.7 %)	
STR-DB940:	100 W + 100 W ²⁾ 90 W + 90 W ³⁾
STR-DB840:	90 W + 90 W

Reference Power Output ²⁾

(8 ohms 1 kHz, THD 0.7 %)

STR-DB940:	FRONT ¹⁾ : 110 W + 110 W CENTER ¹⁾ : 110 W REAR ¹⁾ : 110 W + 110 W
STR-DB840:	FRONT ¹⁾ : 100 W + 100 W CENTER ¹⁾ : 100 W REAR ¹⁾ : 100 W + 100 W

(4 ohms 1 kHz, THD 0.7 %)

STR-DB940/DB840:

FRONT ¹⁾ : 100 W + 100 W CENTER ¹⁾ : 100 W REAR ¹⁾ : 100 W + 100 W	(8 ohms 20 Hz - 20 kHz, THD 0.09 %)
STR-DB940:	FRONT ¹⁾ : 100 W + 100 W CENTER ¹⁾ : 100 W REAR ¹⁾ : 100 W + 100 W
STR-DB840:	FRONT ¹⁾ : 90 W + 90 W CENTER ¹⁾ : 90 W REAR ¹⁾ : 90 W + 90 W
(4 ohms 20 Hz - 20 kHz, THD 0.09 %)	
STR-DB940/DB840:	FRONT ¹⁾ : 90 W + 90 W CENTER ¹⁾ : 90 W REAR ¹⁾ : 90 W + 90 W

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Area code	Power requirements
AU	240 V AC, 50 Hz
CN, SP, CED	230 V AC, 50 Hz

3) Measured under the following conditions:

Area code	Power requirements
CN	220 V AC, 50 Hz

Frequency response

PHONO: RIAA
equalization curve
±0.5 dB
CD, TAPE, MD/DAT,
MD/TAPE, DVD/
LD, TV/SAT,
VIDEO 1, 2, and
VIDEO 3:
10 Hz - 100 kHz
+0.5/-3 dB (with
sound field,
equalizer, and bass
boost bypassed)

- Continued on next page -

FM STEREO/FM-AM RECEIVER

SONY®

Inputs (Analog)	PHONO: Sensitivity: 2.5 mV Impedance: 50 kilohms S/N ³⁾ : 86 dB (A, 2.5 mV ⁴⁾)	EQ	BASS: 100 Hz~1.0 kHz (21 steps) MID: 500 Hz~5.0 kHz (21 steps) TREBLE: 1.0 kHz~10 kHz (21 steps) Gain levels: ±10 dB, 1 dB step	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	Power consumption Models of area code U STR-DB940: 290 W STR-DB840: 280 W Models of area code CA STR-DB940: 400 VA STR-DB840: 390 VA Models of area code CED STR-DB940: 290 W STR-DB840: 280 W Models of area code CN, SP STR-DB940: 290 W Models of area code AU STR-DB840: 290 W
	5.1CH INPUT, CD, TAPE, MD/DAT, MD/TAPE, DVD/ LD, TV/SAT, VIDEO 1, 2, and VIDEO 3: Sensitivity: 150 mV Impedance: 50 kilohms S/N ³⁾ : 96 dB (A, 150 mV ⁴⁾)				
	3) INPUT SHORT 4) Weighted network, input level				
Inputs (Digital)	DVD/LD IN(Coaxial): Sensitivity: – Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF) DVD/LD IN, TV/SAT IN, MD/DAT IN (Optical): Sensitivity: – Impedance: – S/N: 100 dB (A, 20 kHz LPF)				AC outlets Models of area code U, CA 2 switched, total 120 W/1A Models of area code AU, SP, CED 1 switched, total 100 W Models of area code CN 2 switched, total 100 W
Outputs	TAPE, MD/DAT, MD/ TAPE (REC OUT); VIDEO 1, 2 (AUDIO OUT): Voltage: 150 mV, Impedance: 1 kilohms FRONT L/R, CENTER, REAR L/R, SUB WOOFER: Voltage: 2 V Impedance: 1 kilohms PHONES: Accepts low- and high-impedance headphones				
	BASS BOOST +6 dB at 70 Hz				
	Sampling Frequency 48 kHz				
FM tuner section					
Tuning range			87.5 - 108.0 MHz		
Antenna terminals			75 ohms, unbalanced		
Sensitivity			Mono: 18.3 dBf, 2.2 μV / 75 ohms Stereo: 38.3 dBf, 22.5 μV / 75 ohms		
Usable sensitivity			11.2 dBf, 1 μV / 75 ohms		
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					
Tuning range			Models of area code U, CA With 10-kHz tuning scale: 530 – 1710 kHz ⁵⁾ With 9-kHz tuning scale: 531 – 1710 kHz ⁵⁾ Models of area code AU, CN, SP, CED With 9-kHz tuning scale: 531 – 1602 kHz		
Antenna			Loop antenna		
Video section					
Inputs		Video: 1 Vp-p 75 ohms S-video: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms			
Outputs		Video: 1 Vp-p 75 ohms S-video: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms			
General					
System		Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary SEPP			
Power requirements		Models of area code U, CA 120 V AC, 60 Hz Models of area code CED 230 V AC, 50/60 Hz Models of area code CN, SP 220 – 230 V AC, 50/60 Hz Models of area code AU 240 V AC, 50 Hz			
• Abbreviation		AU : Australian model CA : Canadian model CED: AEP and UK models		CN : Chinese model SP : E model U : US model	

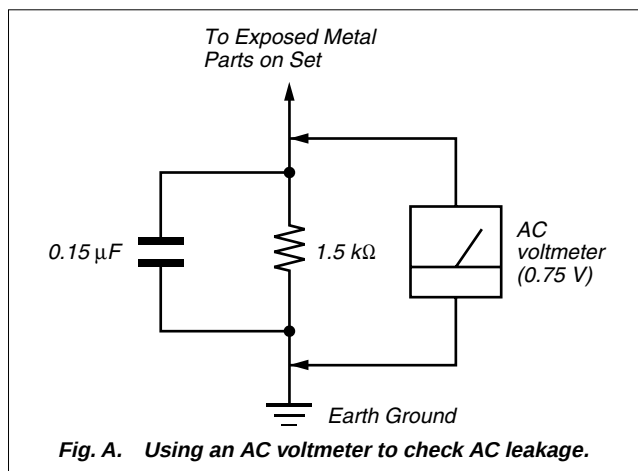
SAFETY CHECK-OUT

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

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 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)



Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

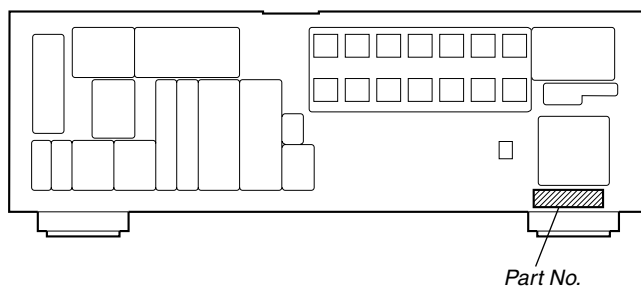
- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

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.

MODEL IDENTIFICATION

– Rear View –



Model	Part No.
DB940: US model	4-227-151-0□
DB940: Canadian model	4-227-151-1□
E model	4-227-151-2□
Chinese model	4-227-151-3□
Australian model	4-227-151-4□
DB940: AEP and UK models	4-227-151-5□
DB840: US model	4-227-151-7□
DB840: AEP and UK models	4-227-151-8□
DB840: Canadian model	4-227-151-9□

与安全有关的零部件须知

在原理图上用阴影及 $\triangle$ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

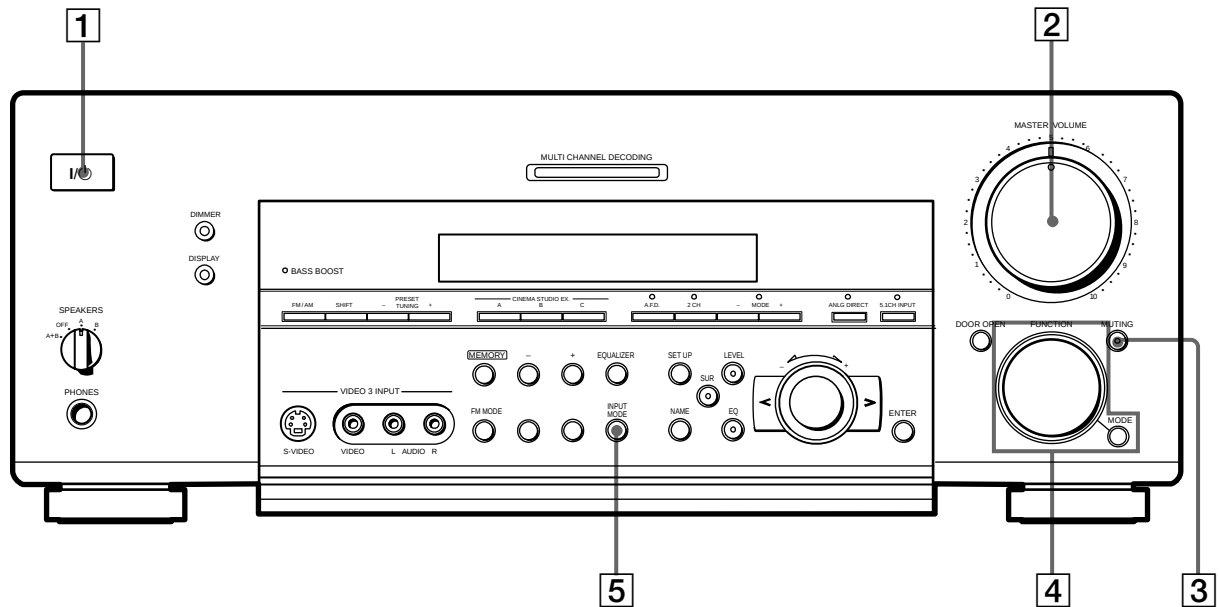
LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE $\triangle$ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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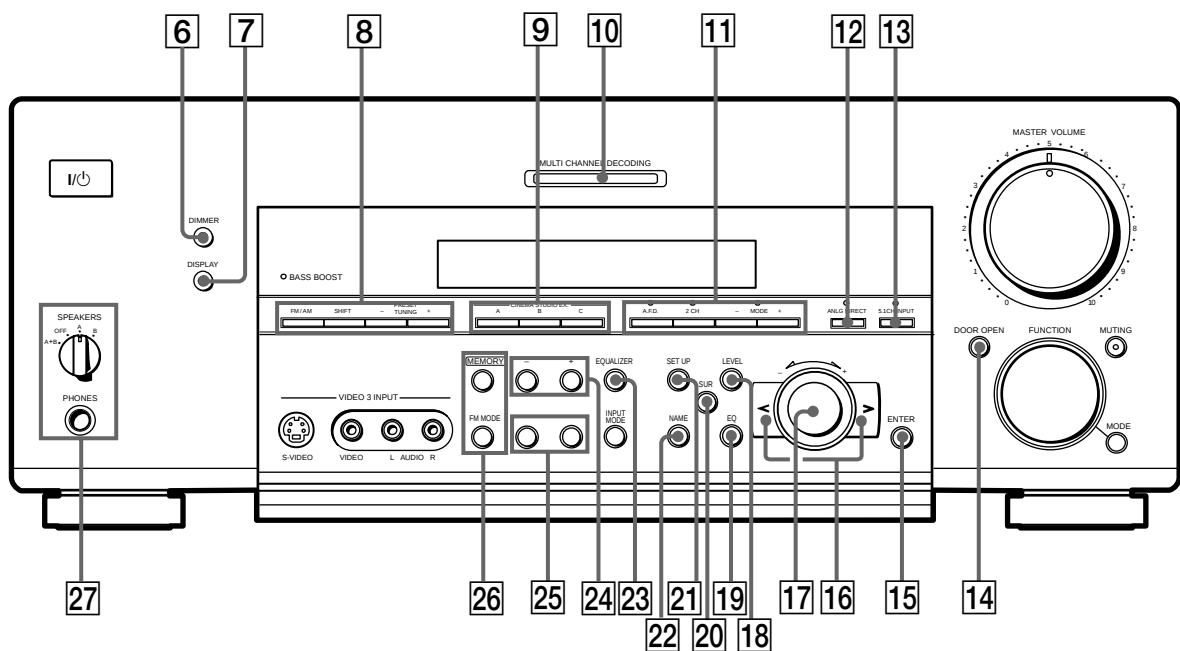
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SECTION 1 GENERAL

FRONT PANEL PARTS DESCRIPTION

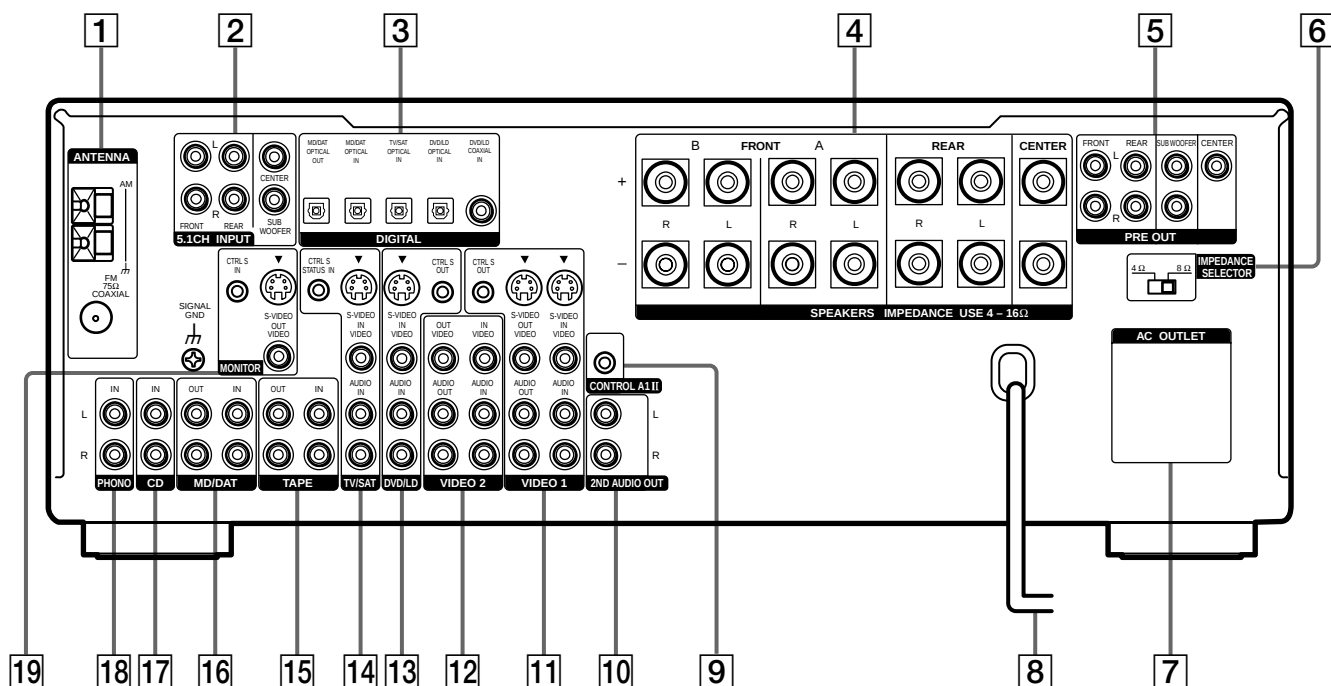


- | | |
|-------------------------|-----------------------------------|
| 1 I/⏻ switch | 4 FUNCTION control
MODE button |
| 2 MASTER VOLUME control | 5 INPUT MODE button |
| 3 MUTING button | |



- | | | |
|--|---|----------------------------|
| 6 DIMMER button | 14 DOOR OPEN button | 25 RDS EON button |
| 7 DISPLAY button | 15 ENTER button | (AEP and UK models) |
| 8 FM/AM button | 16 Cursor buttons (</>) | RDS PTY button |
| SHIFT button | 17 Jog dial | (AEP and UK models) |
| PRESET TUNING +/- buttons | 18 LEVEL button | TEST TONE button |
| 9 CINEMA STUDIO EX. A~C buttons | 19 EQ button | (Except AEP and UK models) |
| 10 MULTI CHANNEL DECODING
indicator | 20 SUR button | SLEEP button |
| 11 A.F.D. button/indicator | 21 SET UP button | (Except AEP and UK models) |
| 2CH button/indicator | 22 NAME button | 26 MEMORY button |
| MODE +/- buttons/indicator | 23 EQUALIZER button | FM MODE button |
| 12 ANLG DIRECT button | 24 TUNING/PTY SELECT +/- buttons
(AEP and UK models) | 27 SPEAKERS selector |
| 13 5.1CH INPUT button | TUNING +/- buttons
(Except AEP and UK models) | PHONES jack |

BACK PANEL PARTS DESCRIPTION

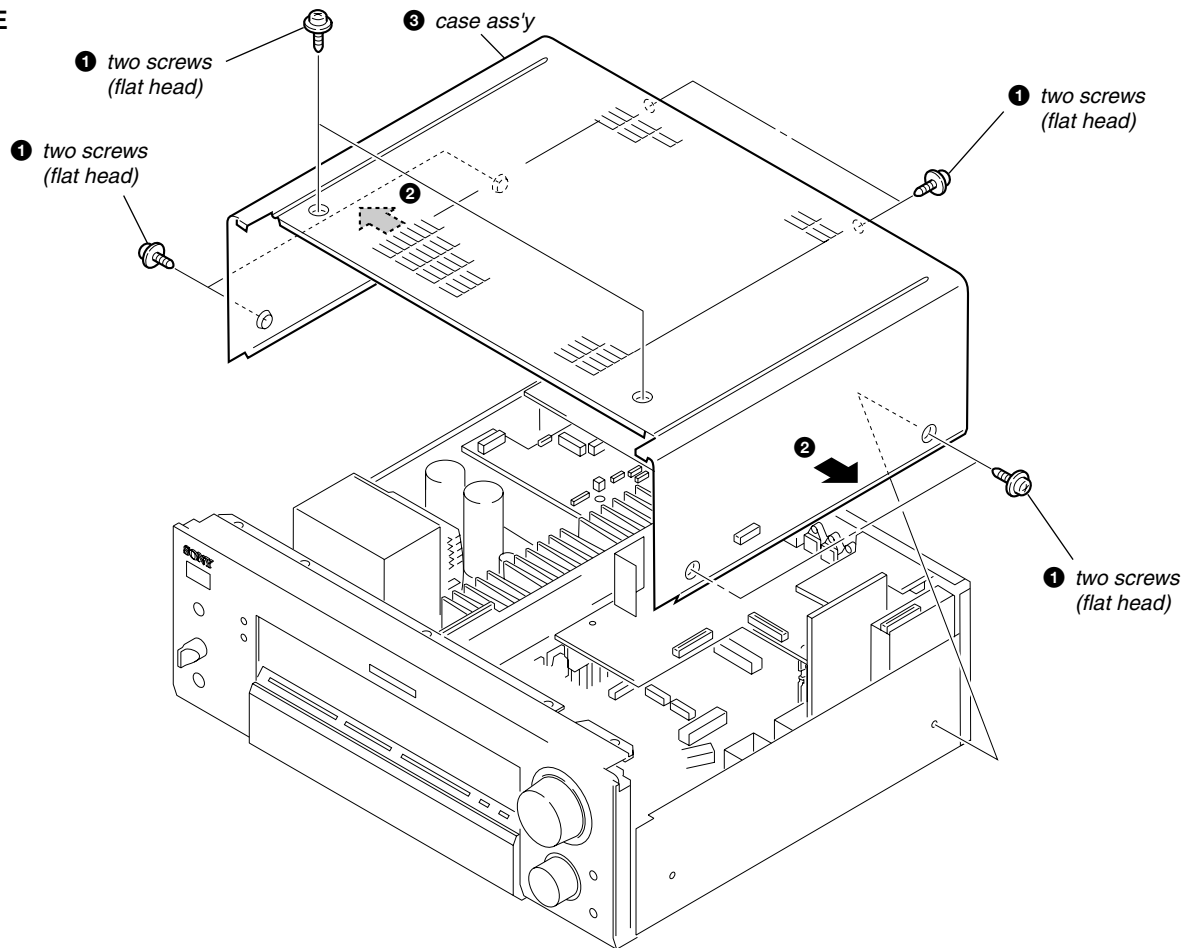


- | | |
|--|-----------------------------------|
| 1 ANTENNA terminal | 11 VIDEO 1 jack |
| 2 5.1CH INPUT jack | 12 VIDEO 2 jack |
| 3 DIGITAL jack | 13 DVD/LD jack |
| 4 SPEAKERS terminal | 14 TV/SAT jack |
| 5 PRE OUT jack | 15 TAPE jack (STR-DB940) |
| 6 IMPEDANCE SELECTOR switch | 16 MD/DAT jack (STR-DB940) |
| 7 AC OUTLET connector | MD/TAPE jack (STR-DB840) |
| 8 AC power cord | 17 CD jack |
| 9 CONTROL A1II jack | 18 PHONO jack |
| 10 2ND AUDIO OUT jack (STR-DB940) | 19 MONITOR jack |

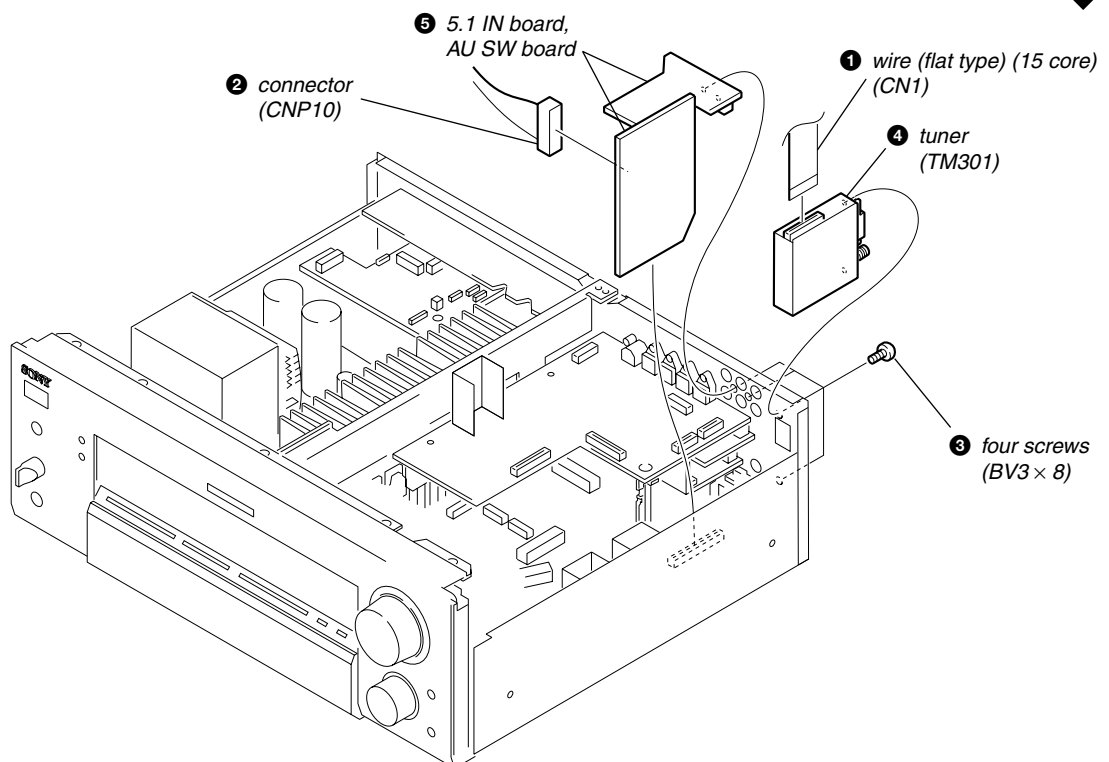
SECTION 2 DISASSEMBLY

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

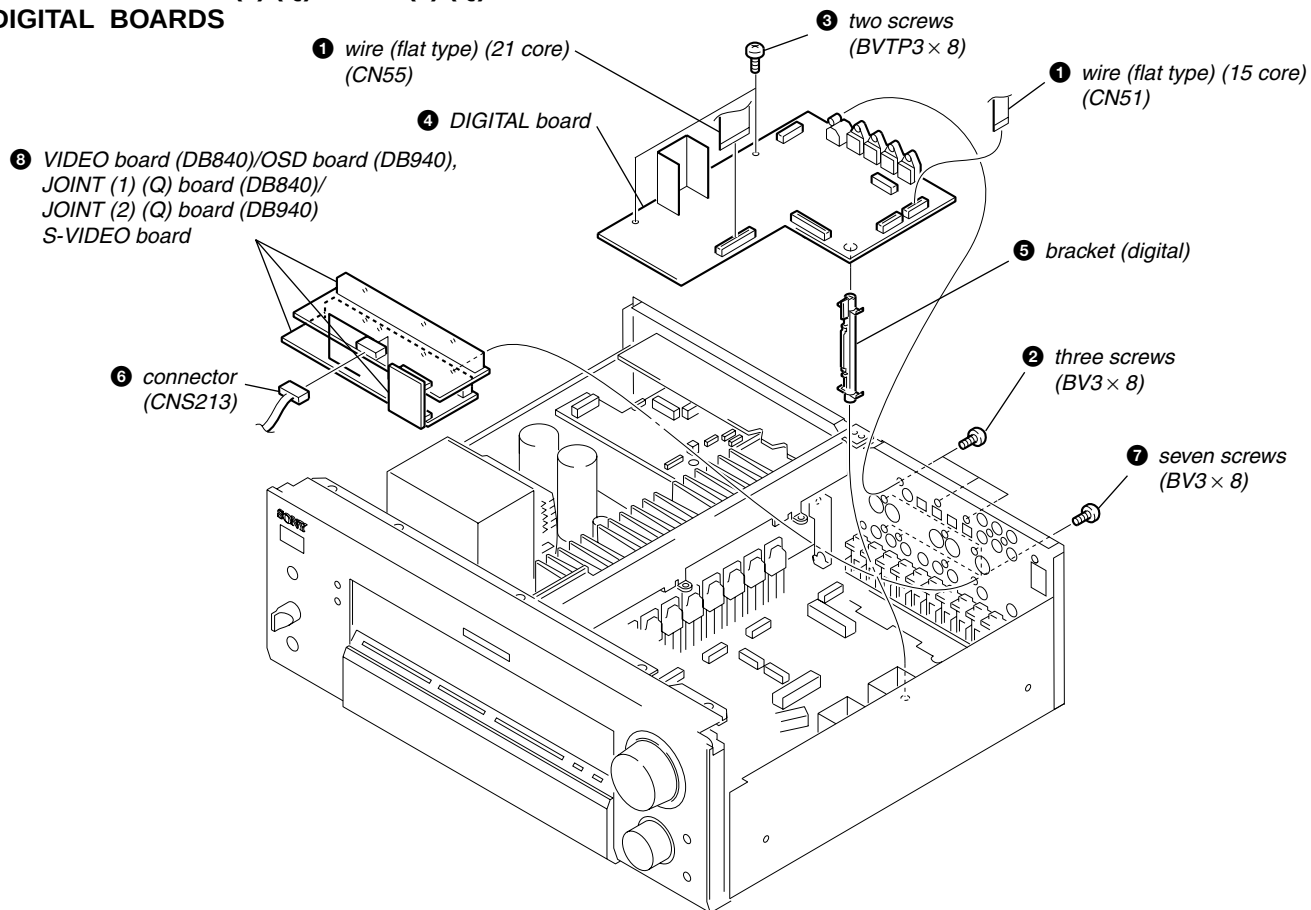
CASE



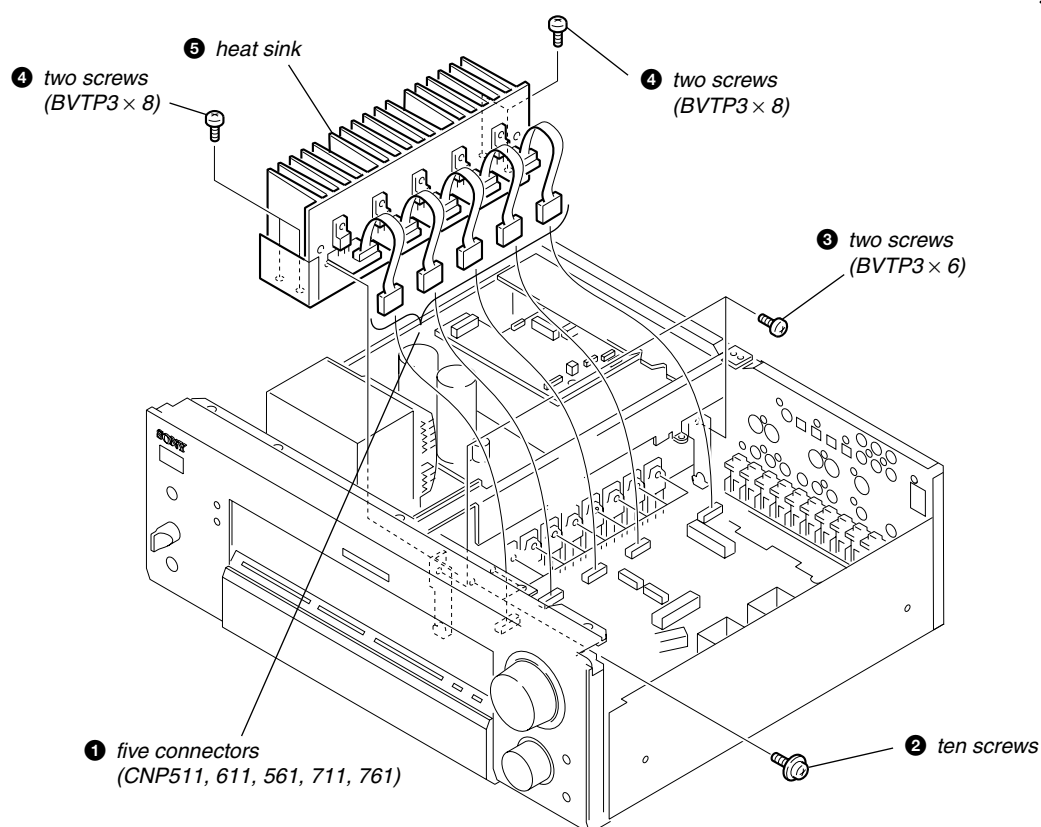
5.1 IN BOARD, AU SW BOARD, TUNER



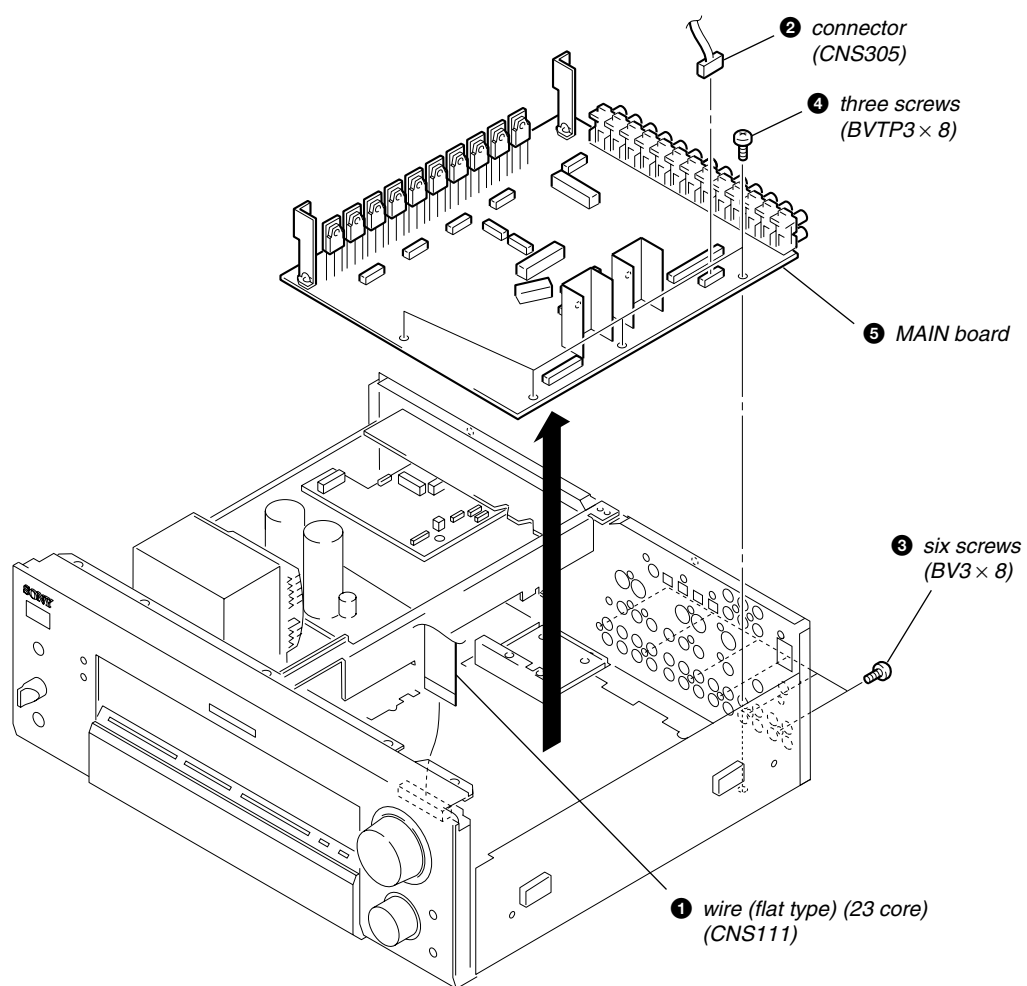
VIDEO/OSD/JOINT (1) (Q)/JOINT (2) (Q)/S-VIDEO/ DIGITAL BOARDS



HEAT SINK



MAIN BOARD



SECTION 3

TEST MODE

Fluorescent Indicator Tube Test Mode

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

Procedure:

1. While depressing the **[A.F.D.]** and the **[DIMMER]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power.
2. All segments turn on at the same time, then each segment turns on press the **[A.F.D.]** button.

Factory Set Mode

All preset contents are reset to the default setting.

Procedure:

1. While depressing the **[SET UP]**, and the **[DIMMER]** buttons simultaneously, press the power **[I/⏻]** button to turn on the main power. The message Factory Set appears and the present contents are reset to the default values.

All Clear Mode

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

Procedure:

1. While depressing the **[SET UP]** button simultaneously, press the power **[I/⏻]** button to turn on the main power. The machine enters the DEMO mode.
DEMO mode: Wait a while, then the demonstration starts. If the power **[I/⏻]** button is pressed often the demonstration has started, the power is turned off, and the demonstration resumes if the power **[I/⏻]** button is pressed again.
ALL CLEAR mode; Press the **[A.F.D.]**, **[MODE +]**, and **[I/⏻]** buttons.

Sound Field Clear Mode

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While depressing the **[MODE +]** button, press the power **[I/⏻]** button to turn on the main power. The message S.F Initialize appears and initialization is performed.

AM Channel Step 9 kHz/10 kHz

Selection Mode (US and Canadian Models)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Set the FUNCTION to AM. Turn off the main power.
2. While depressing the **[TUNING -]** button or the **[PRESET TUNING +]** button, press the power **[I/⏻]** button to turn on the main power.
3. Either the message AM 9kHz Step or AM 10kHz Step appears. Select the desired step.

DSP Test Mode

It tests whether the DSP works correctly or not. When the DSP test is activated, the test data is output from the DSP (IC1401: CXD2712R) of the DIGITAL board and is written in the RAM (IC1402: IDT71V016S). When the test data is read from the RAM by the DSP, the data output must be equivalent to the original data. If they disagree, an error is triggered. Errors can be caused by the broken data line or defective soldering.

Procedure:

1. While pressing the **[MODE +]** and **[DIMMER]** buttons, press the **[I/⏻]** button to enter the DSP test mode.
2. The message DSP TEST MODE appears. When an error occurs, the message DSP2 ERROR is displayed. When there is no error, the message DSP2 NO ERROR appears and the 1 kHz signal is output to all channels.
3. Use the **[MUTING]** button, when selecting the SINE WAVE, THROUGH, or IMPLUSE mode.

Version Mode

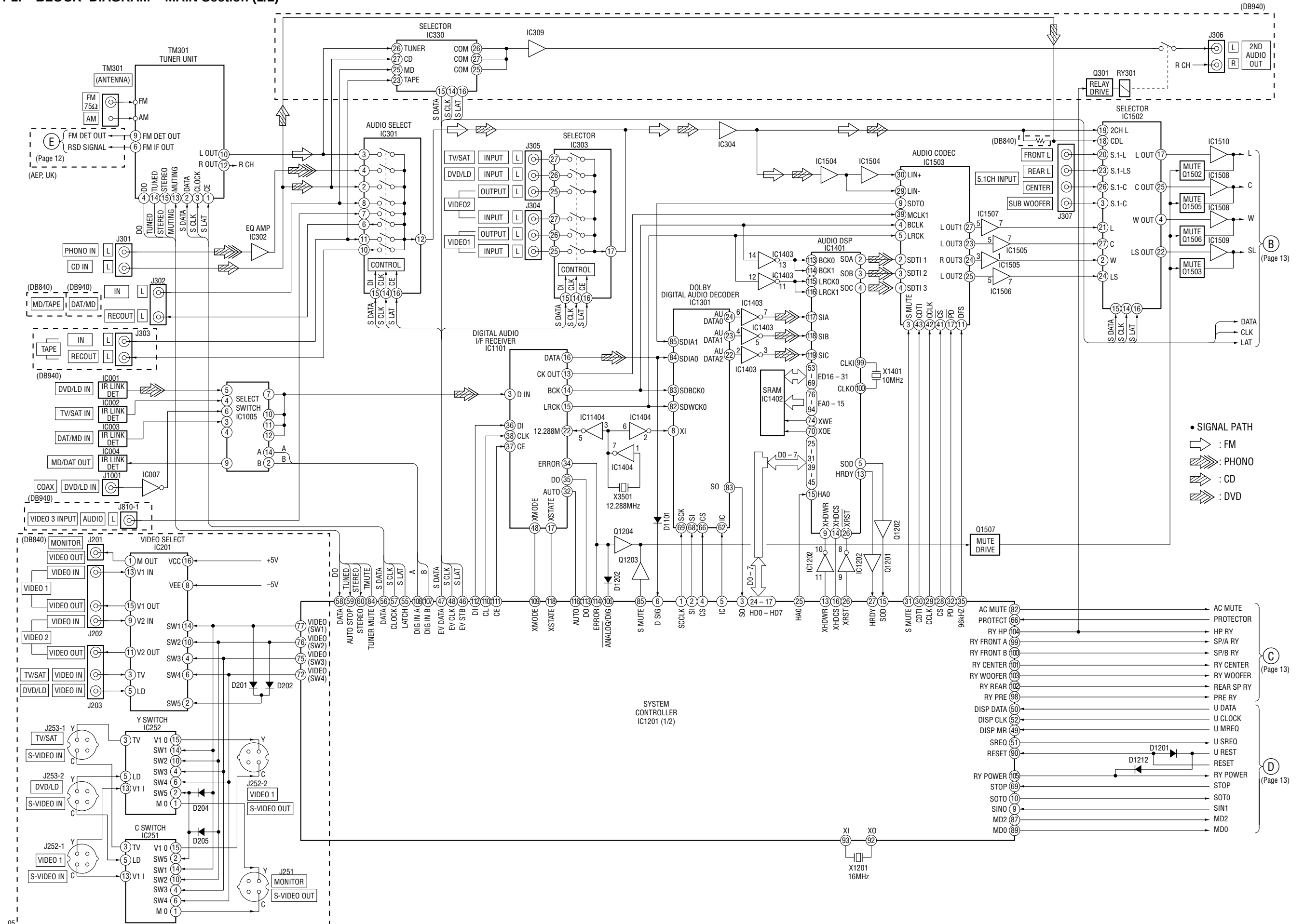
When this mode is used, the microprocessor version number is displayed.

Procedure:

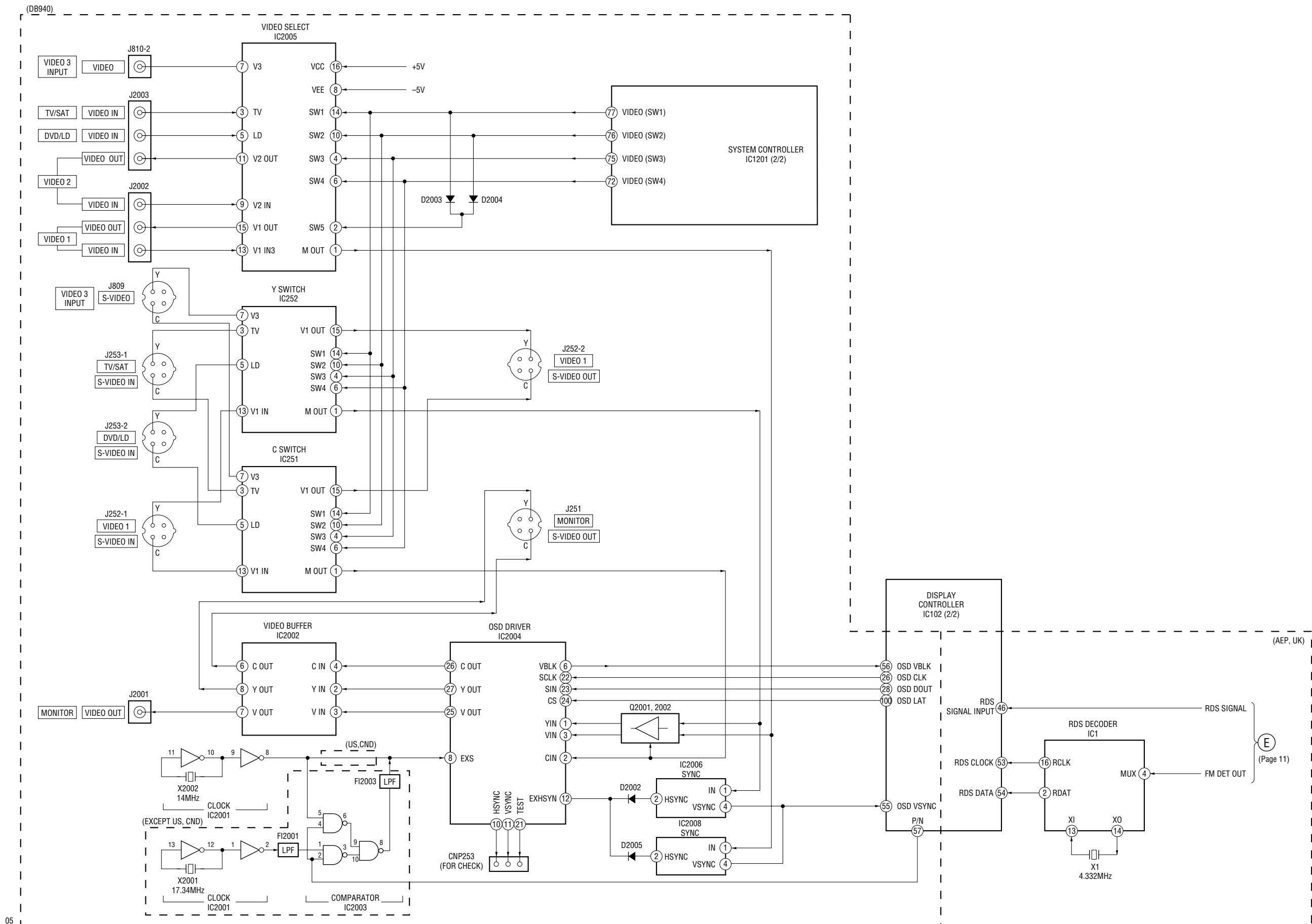
1. Press the **[I/⏻]** button while pressing the **[MUTING]**, and **[DIMMER]** buttons to turn on the power. The microprocessor version number appears as follows.

SECTION 4 DIAGRAMS

4-1. BLOCK DIAGRAM – MAIN Section (1/2) –



4-2. BLOCK DIAGRAM – MAIN Section (2/2) –





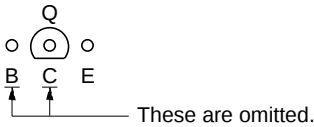
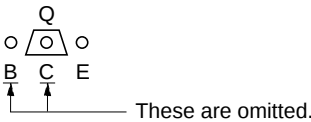
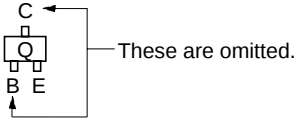
4-4. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Through hole.
- ▨ : Pattern from the side which enables seeing.
(The other layers' patterns are not indicated.)

Caution:
Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.
Parts face side: Parts on the parts face side seen from (Component Side) the parts face are indicated.

Indication of transistor



- Abbreviation
AUS : Australian model
CH : Chinese model
CND : Canadian model

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.
- Δ : internal component.
- : nonflammable resistor.
- : panel designation.

Note:

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

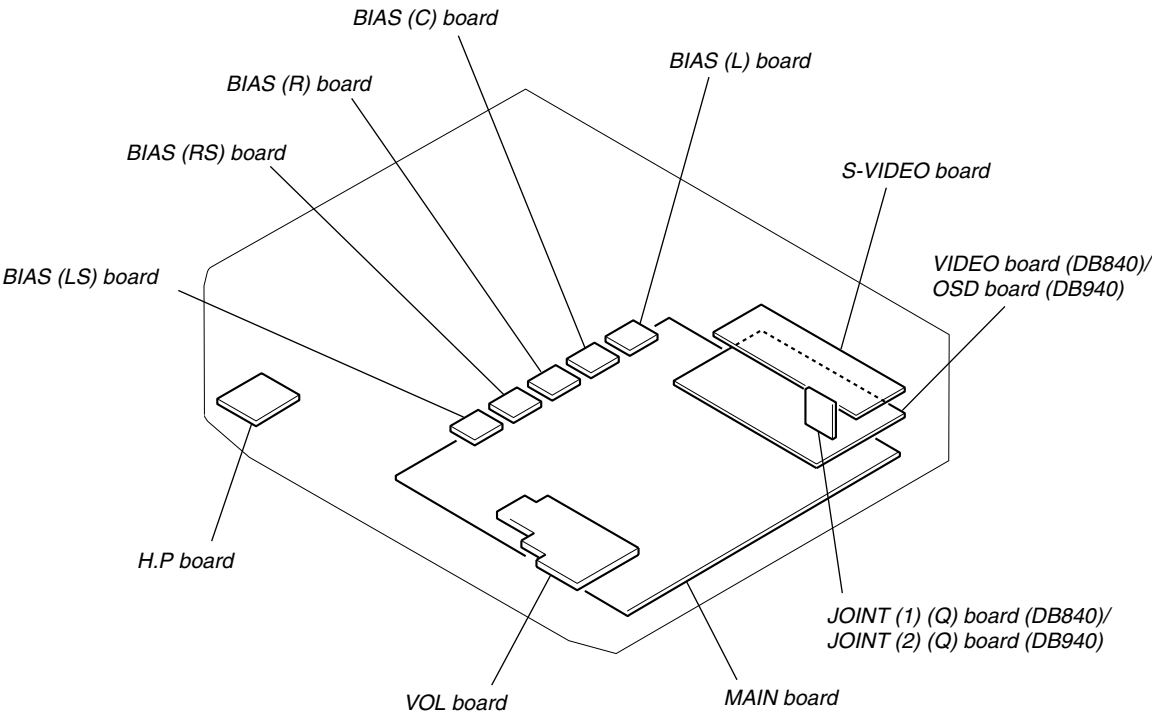
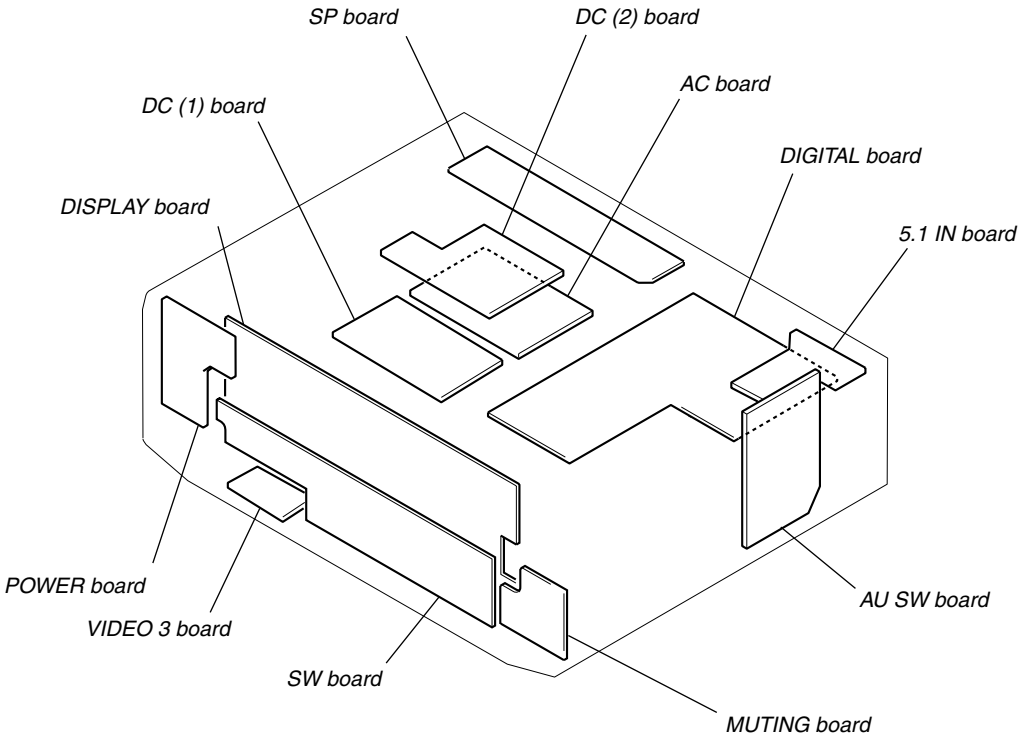
Note:

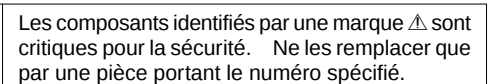
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和 Δ 标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

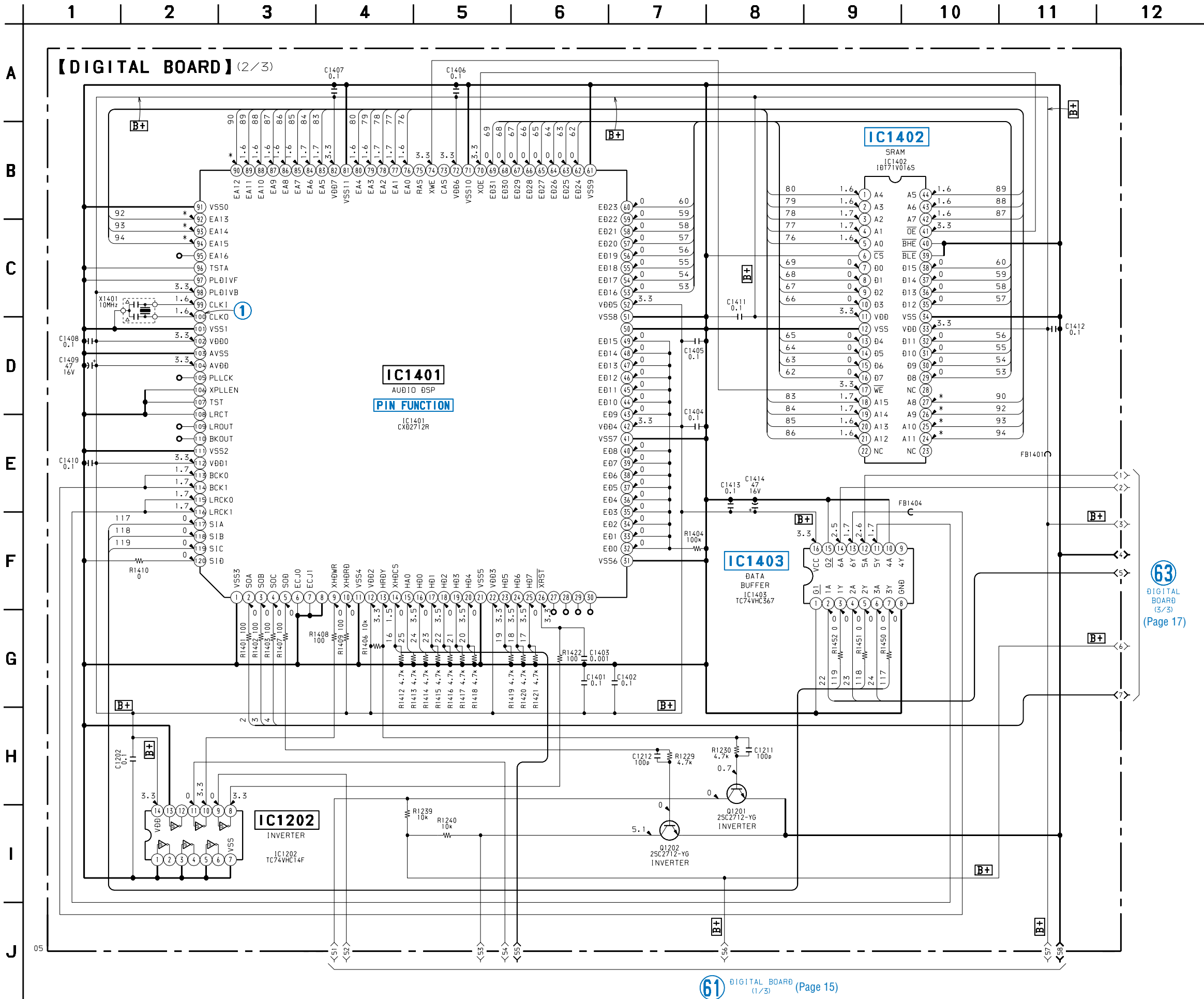
- : B+ Line.
- : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
* : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 : FM
 : CD
 : PHONO
- Abbreviation
AUS : Australian model
CH : Chinese model
CND : Canadian model

Circuit Boards Location

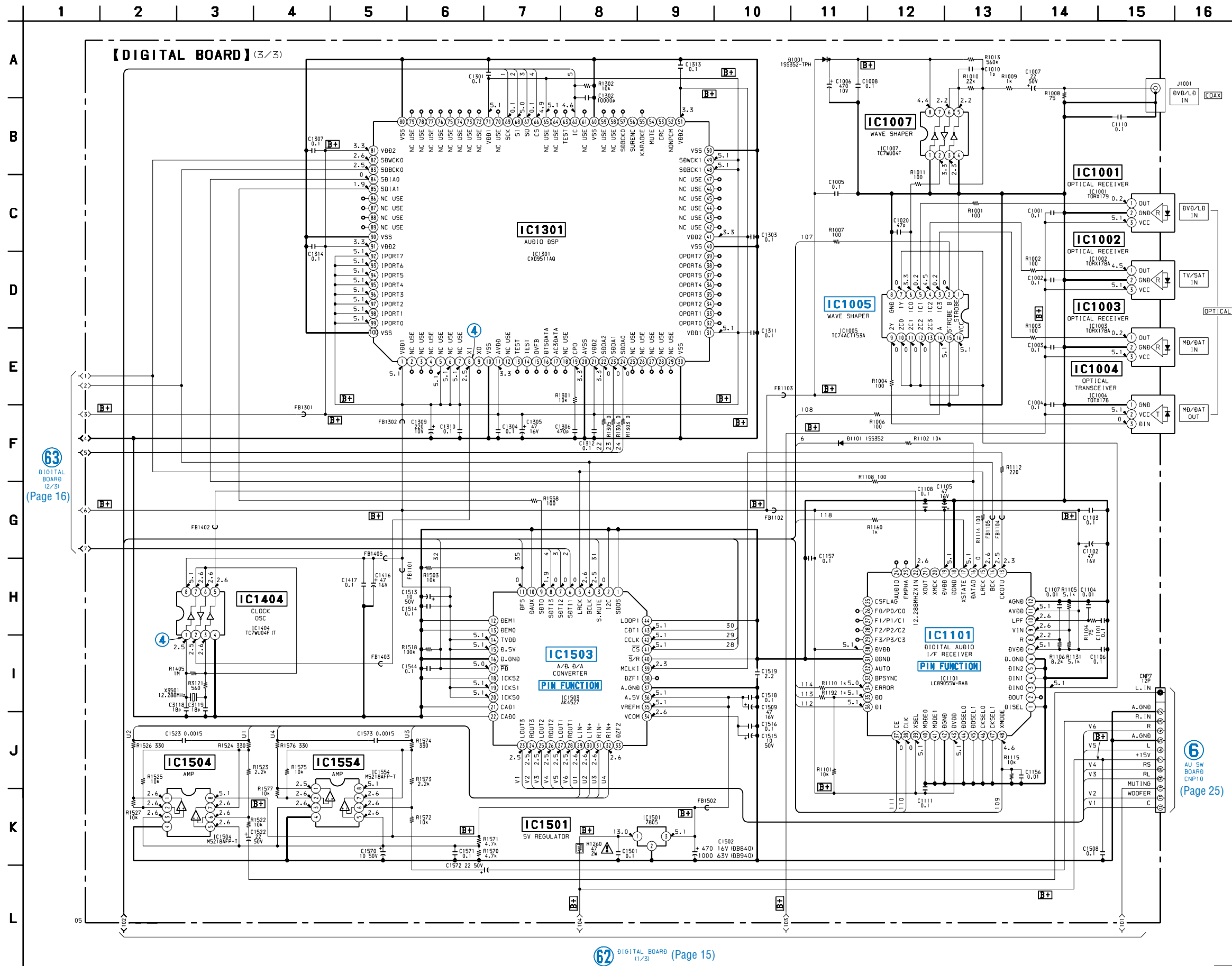




4-6. SCHEMATIC DIAGRAM – DIGITAL Board (2/3) – • See page 42 for Waveform. • See page 42 for IC Block Diagrams.



4-7. SCHEMATIC DIAGRAM – DIGITAL Board (3/3) – • See page 42 for Waveform. • See page 42 for IC Block Diagrams.

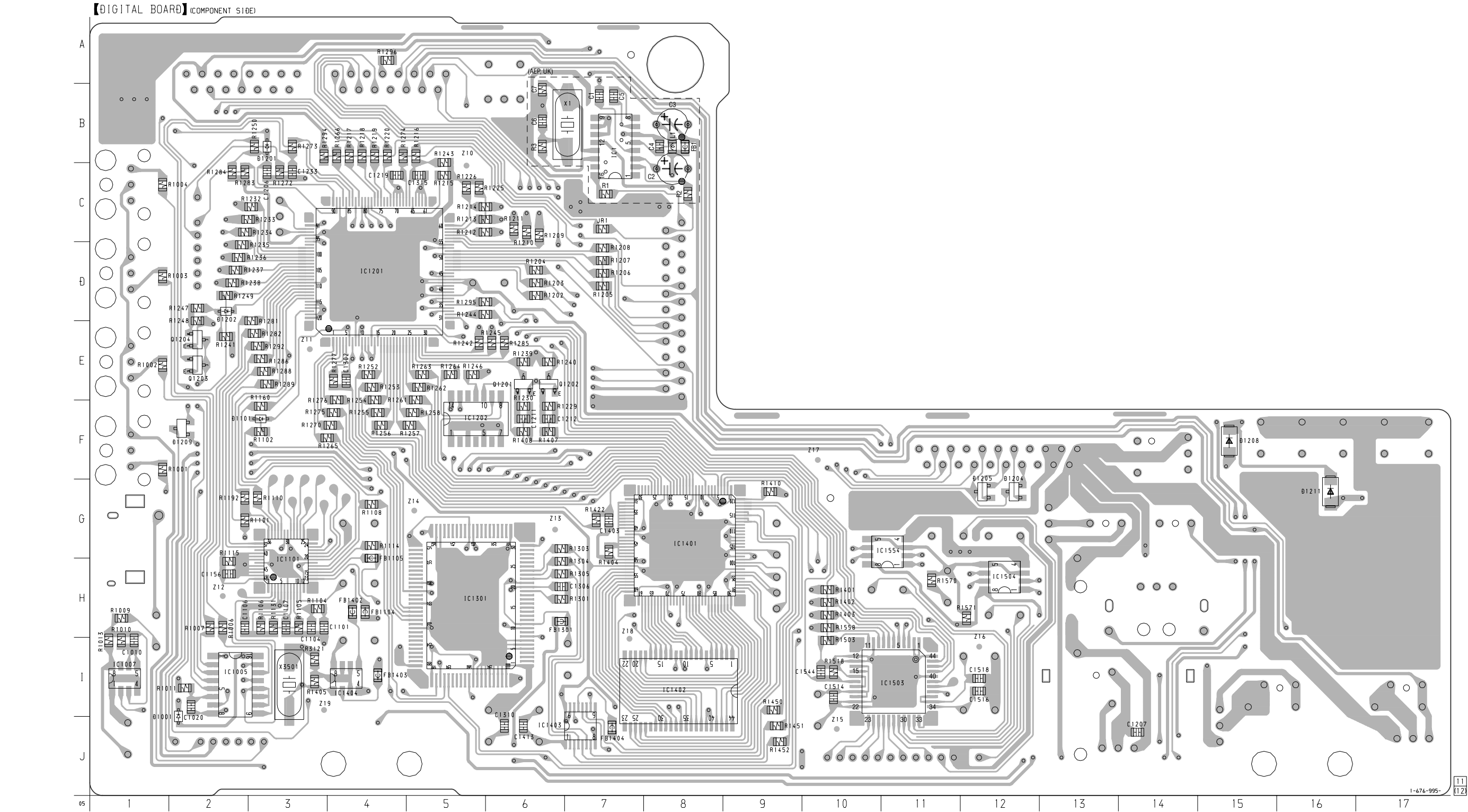


以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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.

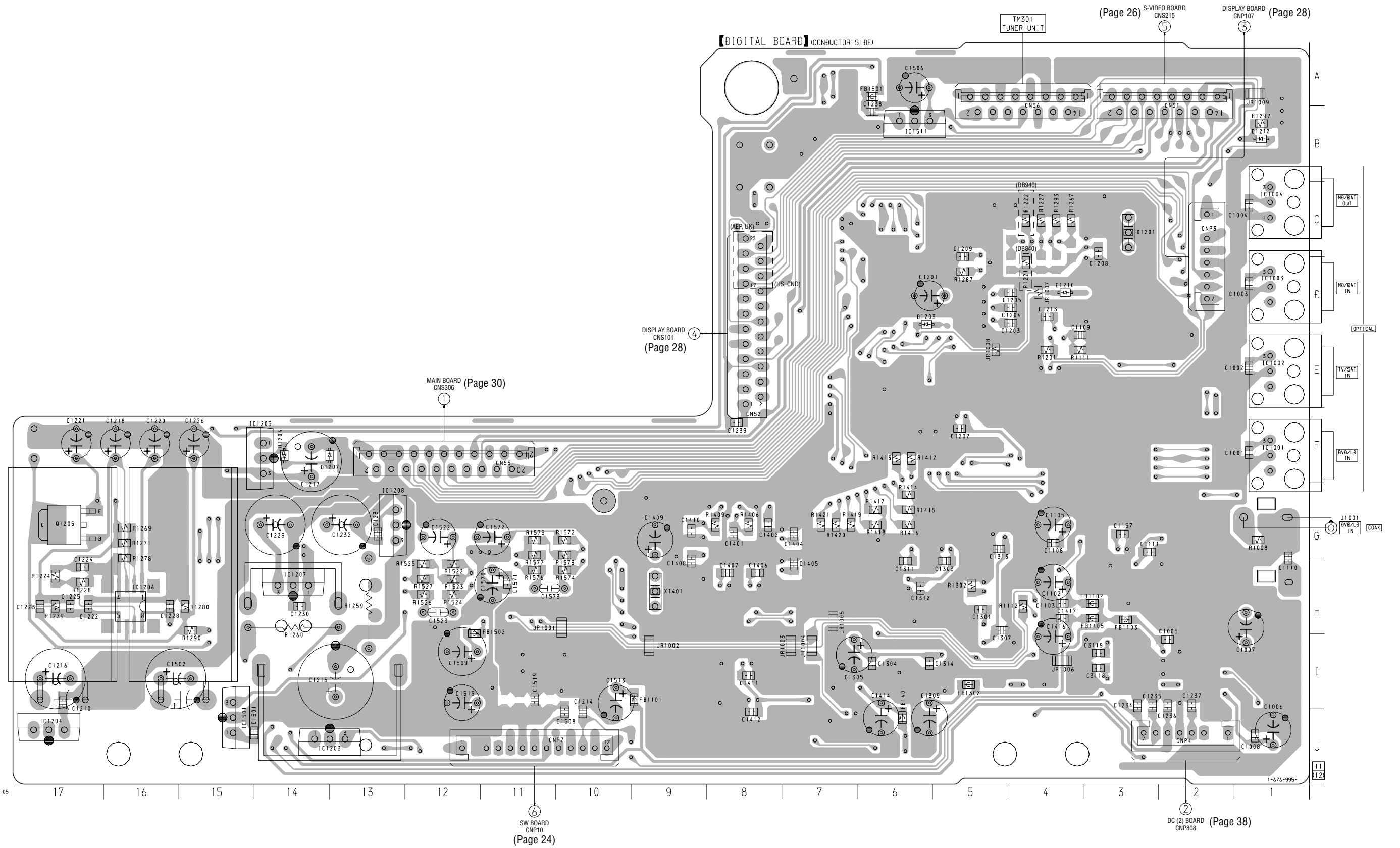
4-8. PRINTED WIRING BOARD – DIGITAL Board (Component Side) – • See page 14 for Circuit Boards Location.



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1001	I-2	D1212	B-1	IC1403	J-7
D1101	F-3			IC1404	I-4
D1201	B-3	IC1	B-7	IC1503	I-11
D1202	D-2	IC1005	I-2	IC1504	H-12
D1203	D-5	IC1007	I-1	IC1554	G-11
D1204	G-12	IC1101	H-3		
D1205	G-12	IC1201	D-4	Q1201	E-6
D1208	F-15	IC1202	F-5	Q1202	E-6
D1209	F-2	IC1301	H-5	Q1203	E-2
D1210	D-4	IC1401	G-8	Q1204	E-2
D1211	G-16	IC1402	I-8		

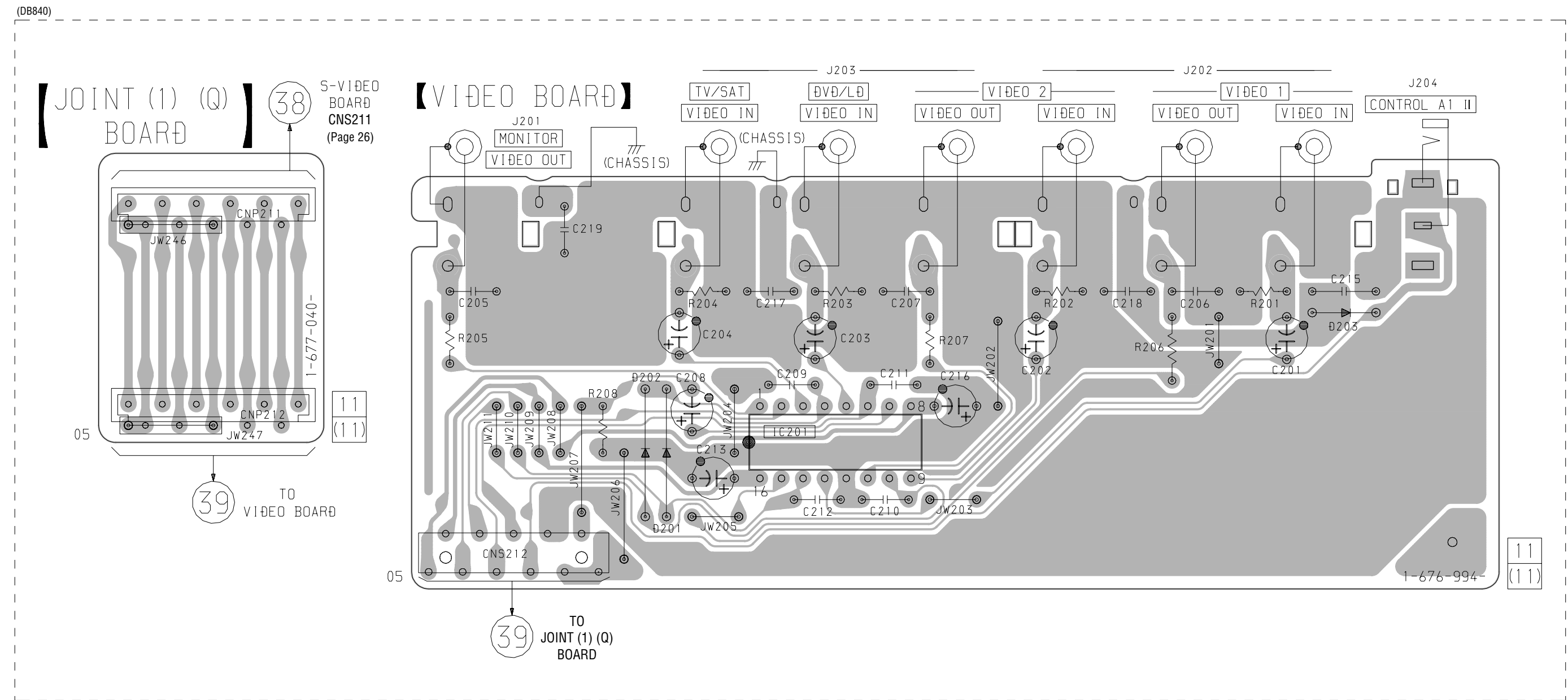
4-9. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) – • See page 14 for Circuit Boards Location.



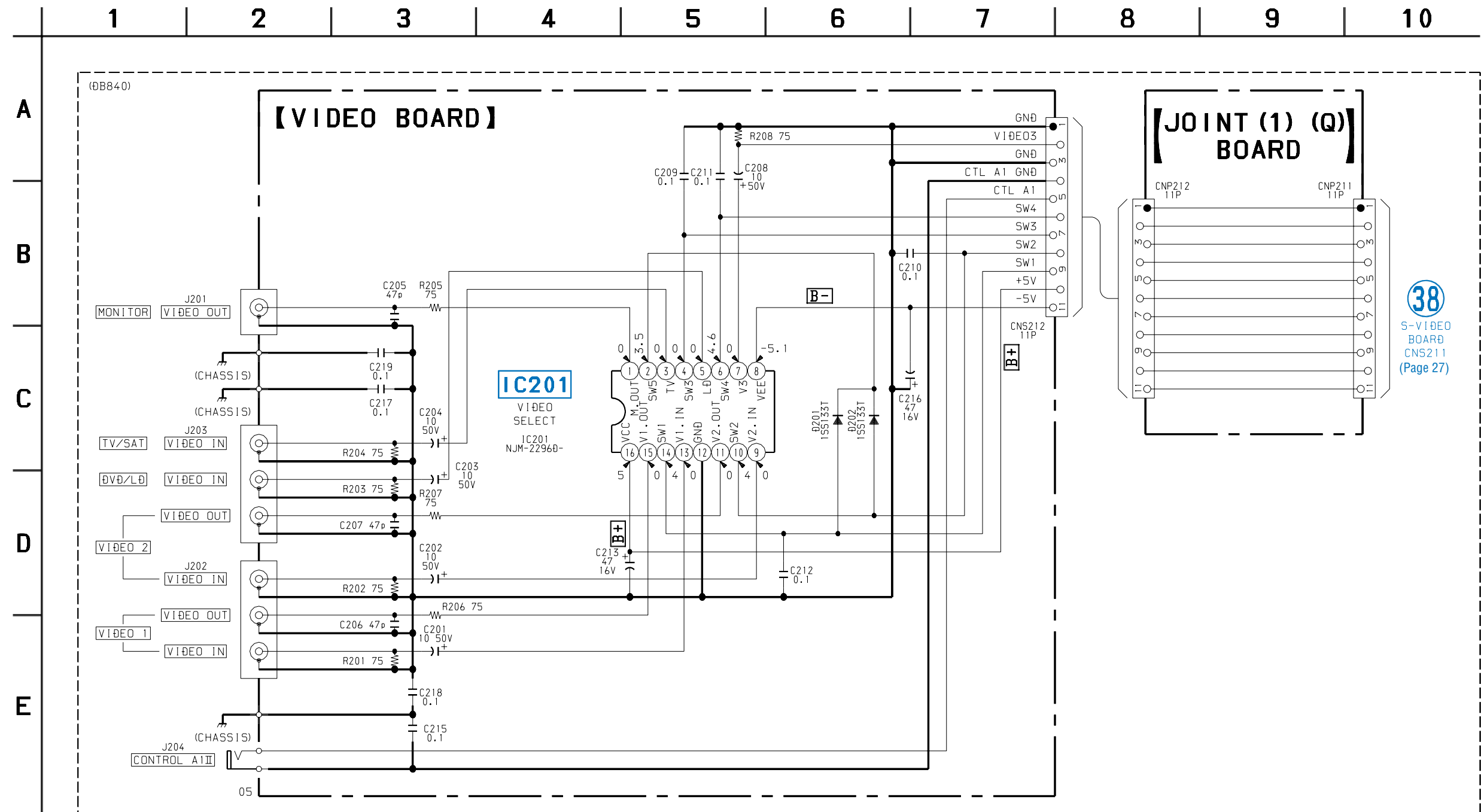
• Semiconductor Location

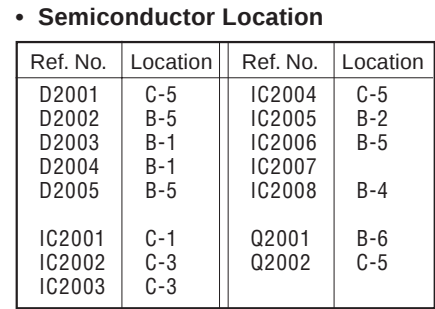
Ref. No.	Location	Ref. No.	Location
D1206	F-14	IC1204	J-17
D1207	F-13	IC1205	F-14
D1502	I-11	IC1206	H-16
D1503	I-11	IC1207	H-14
		IC1208	G-13
IC1001	F-1	IC1501	J-15
IC1002	E-1	IC1511	B-6
IC1003	D-1		
IC1004	C-1	Q1205	G-17
IC1203	J-14		

4-10. PRINTED WIRING BOARDS – VIDEO/JOINT (1) (Q) Boards (DB840) – • See page 14 for Circuit Boards Locati



4-11. SCHEMATIC DIAGRAM – VIDEO/JOINT (1) (Q) Boards (DB840) – • See page 42 for IC Block Diagram.





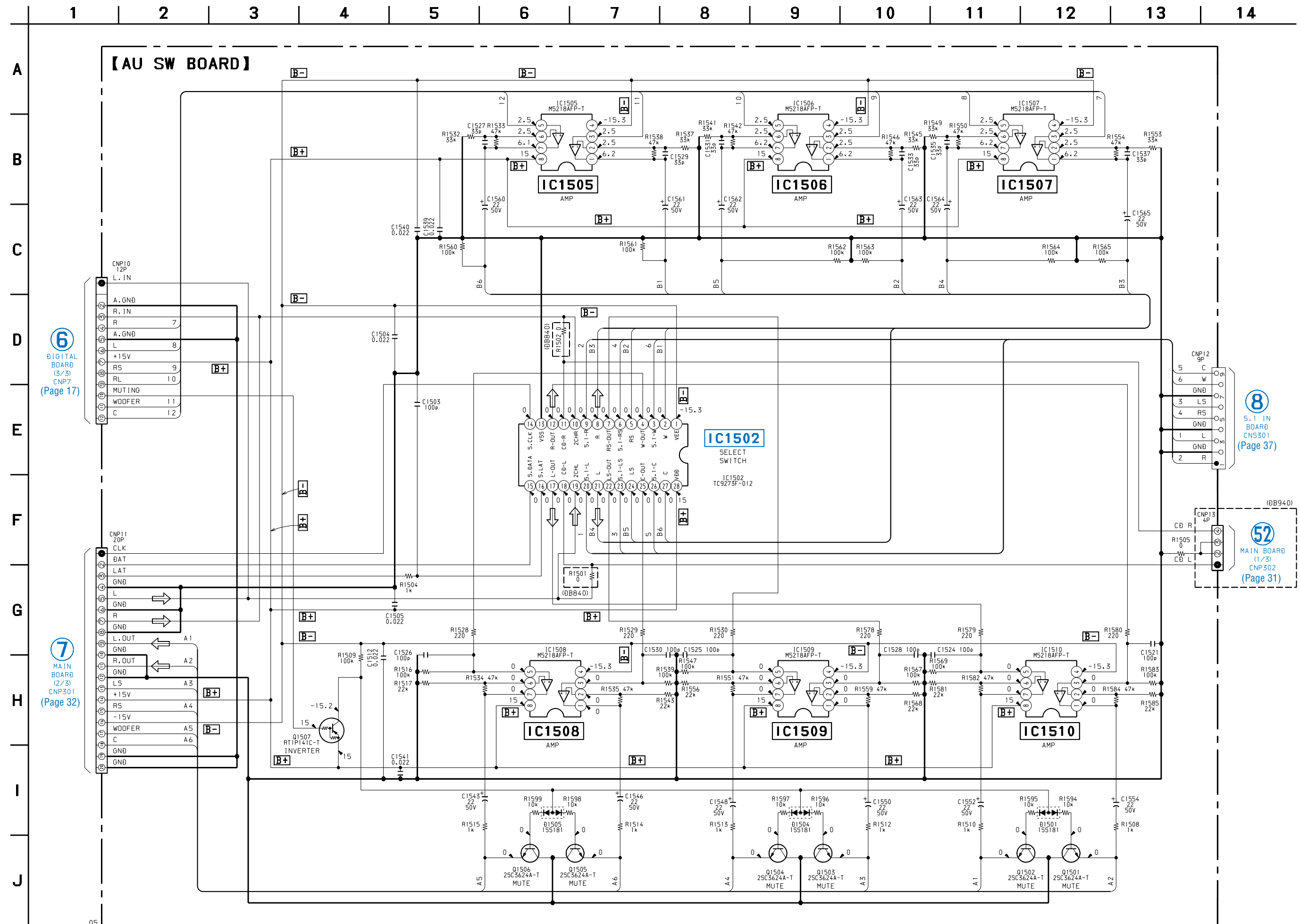


4-14. PRINTED WIRING BOARD – AU SW Board – • See page 14 for Circuit Boards Location.

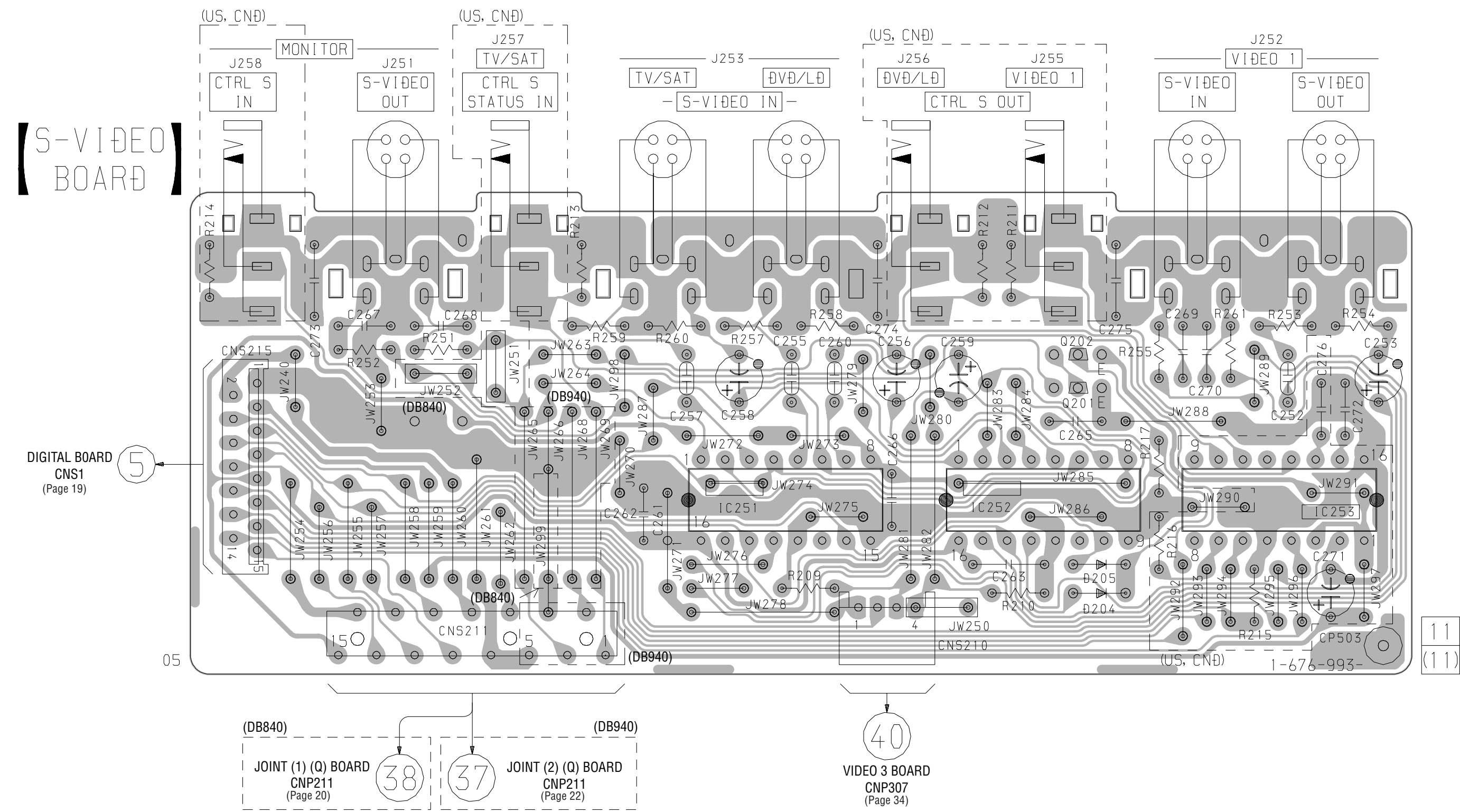
Ref. No.	Location
D1501	H-2
D1504	H-3
D1505	H-4
IC1502	E-2
IC1505	B-4
IC1506	C-4
IC1507	D-4
IC1508	G-4
IC1509	G-3
IC1510	G-1
Q1501	H-2
Q1502	H-1
Q1503	H-3
Q1504	H-2
Q1505	H-4
Q1506	H-3
Q1507	I-5



4-15. SCHEMATIC DIAGRAM – AU SW Board – • See page 42 for IC Block Diagram.

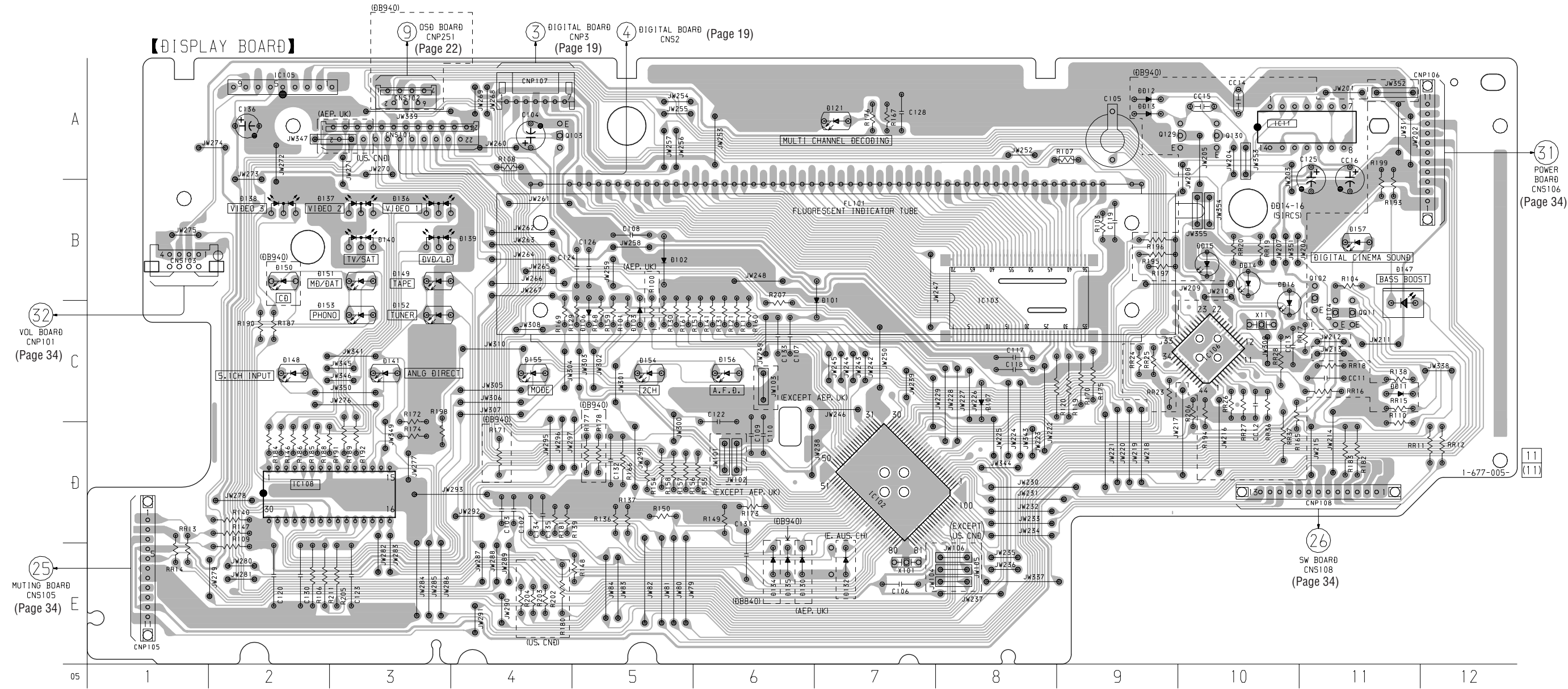


4-16. PRINTED WIRING BOARD – S-VIDEO Board – • See page 14 for Circuit Boards Location.



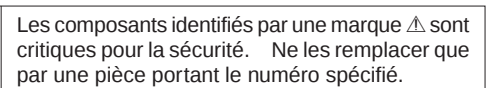


4-18. PRINTED WIRING BOARD – DISPLAY Board – • See page 14 for Circuit Boards Location.



• Semiconductor Location

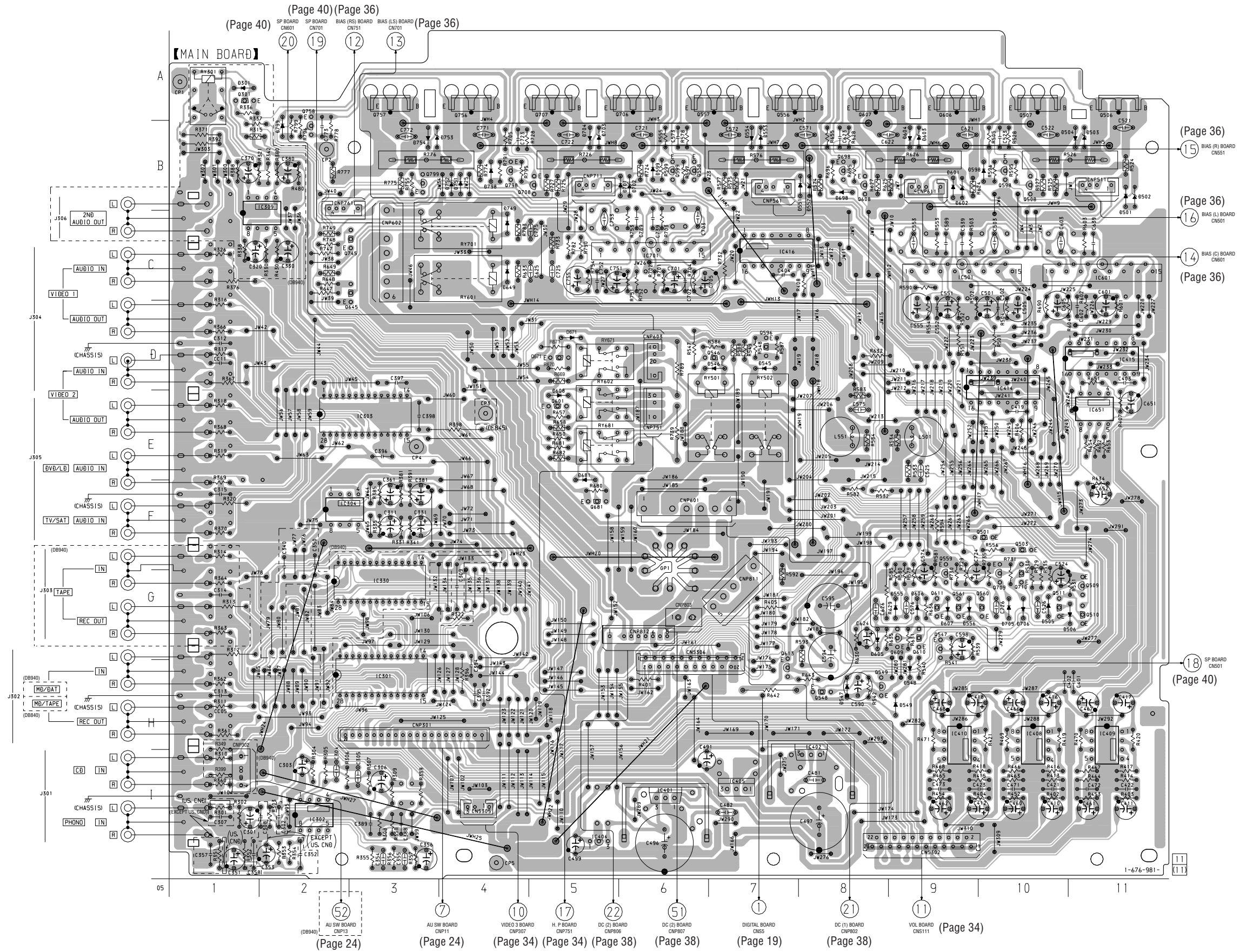
Ref. No.	Location	Ref. No.	Location
D101	B-7	D155	C-4
D102	B-5	D156	C-6
D103	C-5	D157	B-11
D106	C-5		
D107	C-8	DD11	C-11
D121	A-7	DD12	A-9
D130	E-6	DD13	A-9
D132	E-7	DD14	B-10
D134	E-6	DD15	B-10
D135	E-6	DD16	B-10
D136	B-3		
D137	B-3	IC11	A-10
D138	B-2	IC102	D-7
D139	B-3	IC103	B-8
D140	B-3	IC105	A-2
D141	C-3	IC106	C-10
D147	B-11	IC108	D-2
D148	C-2		
D149	B-3	Q102	B-11
D150	B-2	Q103	A-4
D151	B-3	Q104	C-11
D152	C-3	Q129	A-9
D153	C-3	Q130	A-10
D154	C-5	QQ11	C-11



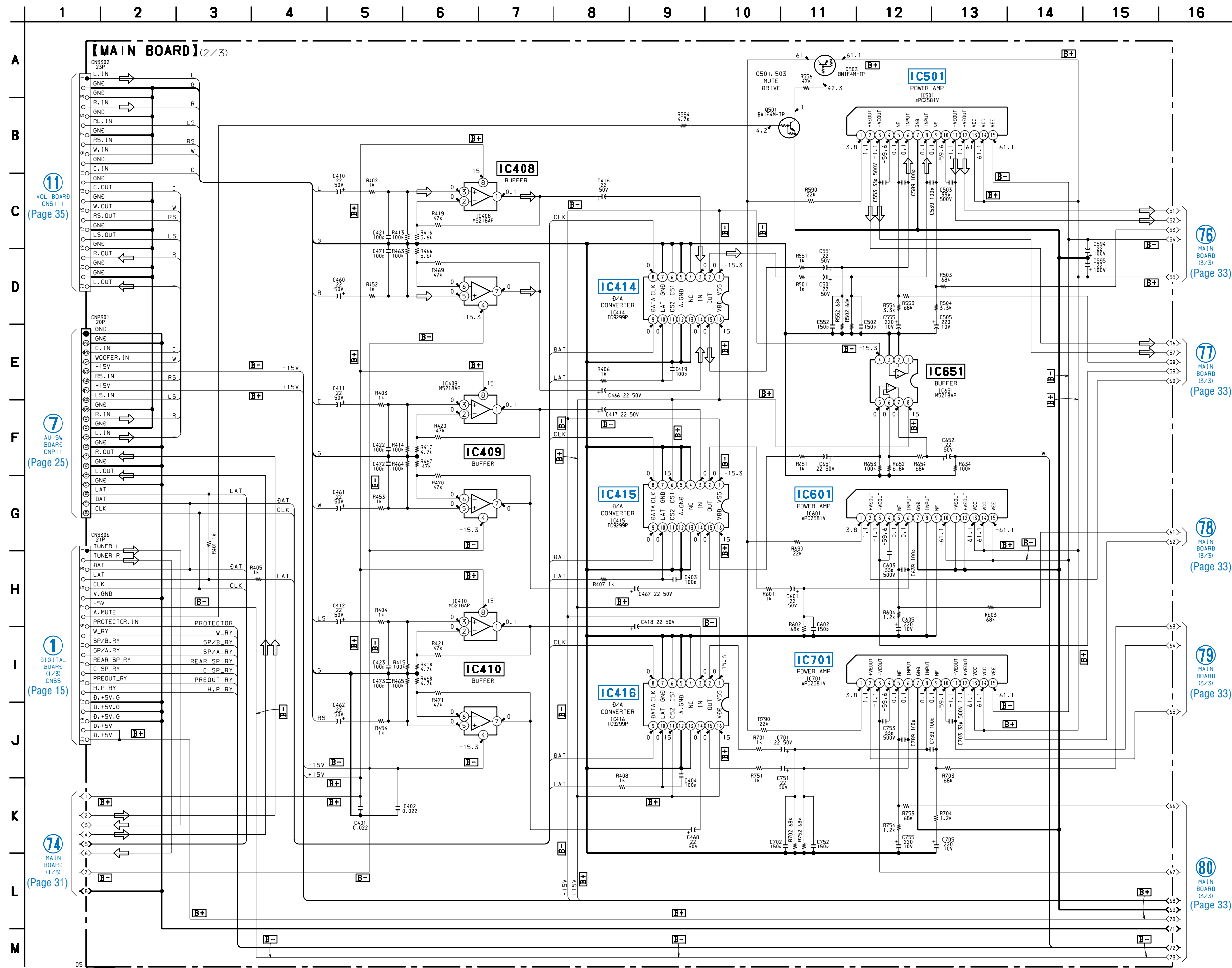
4-20. PRINTED WIRING BOARD – MAIN Board – • See page 14 for Circuit Boards Location.

• Semiconductor Location

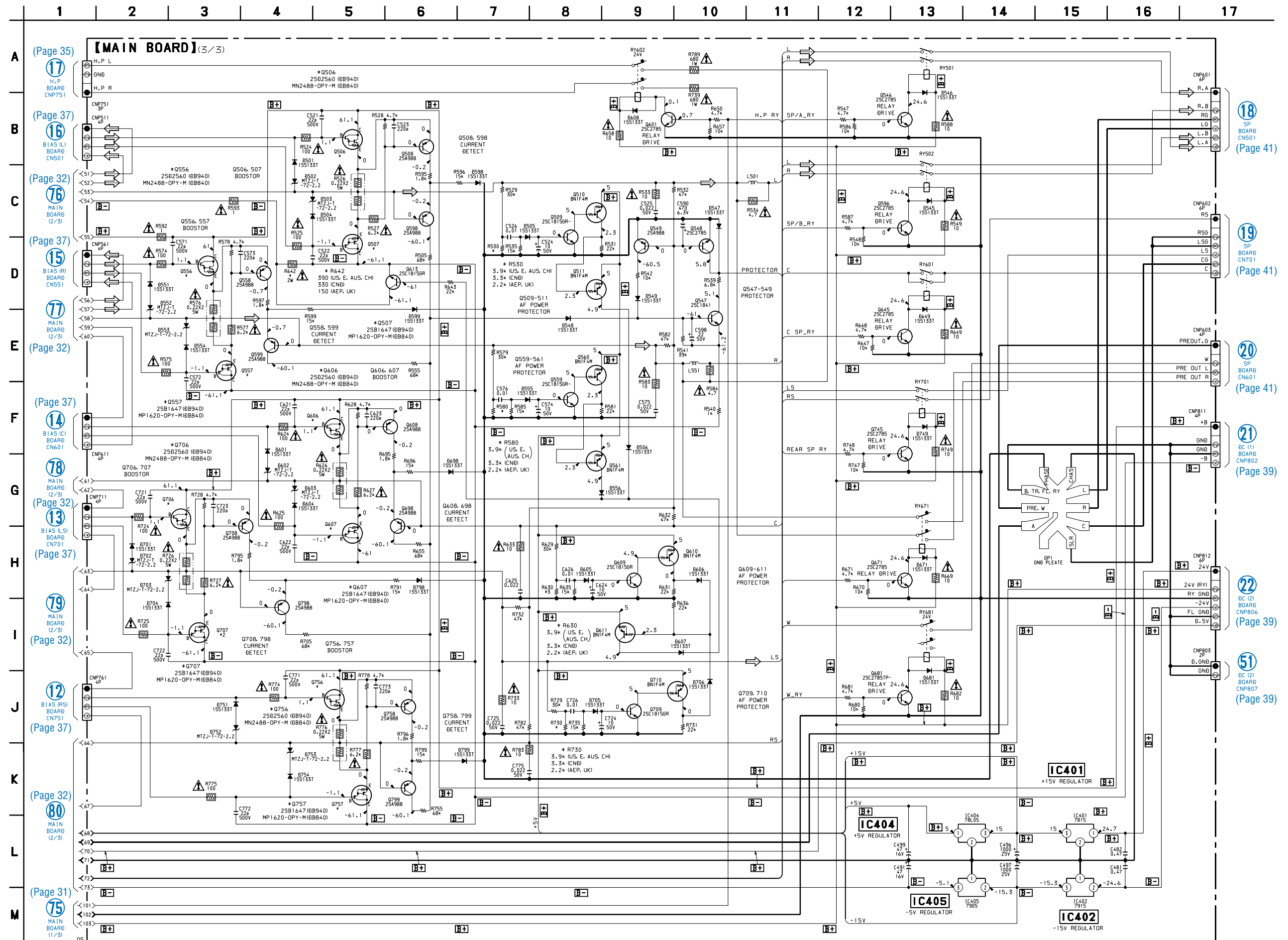
Ref. No.	Location	Ref. No.	Location
D301	A-1	IC408	H-10
D501	B-11	IC409	H-11
D502	B-11	IC410	H-9
D503	B-11	IC414	D-10
D504	B-11	IC415	D-11
D505	G-10	IC416	C-7
D506	G-11	IC501	C-9
D545	D-7	IC601	C-11
D546	D-7	IC651	E-11
D547	H-8	IC701	C-6
D548	H-9		
D549	H-9	Q301	A-1
D551	B-8	Q501	F-10
D552	B-8	Q503	F-10
D553	B-7	Q506	A-11
D554	B-7	Q507	A-10
D555	G-9	Q508	B-10
D556	G-9	Q509	G-11
D598	B-10	Q510	G-11
D599	B-6	Q511	G-10
D601	B-9	Q546	D-7
D602	B-9	Q547	G-9
D603	B-9	Q548	H-8
D604	B-9	Q549	H-8
D605	G-8	Q556	A-7
D606	G-9	Q557	A-7
D607	G-9	Q558	B-6
D608	E-5	Q559	G-9
D649	C-4	Q560	G-10
D671	D-5	Q561	G-9
D681	E-5	Q596	D-7
D698	B-8	Q598	B-10
D701	B-6	Q599	B-6
D702	B-6	Q601	E-5
D703	B-5	Q606	A-9
D704	B-5	Q607	A-8
D705	G-10	Q608	B-8
D706	G-10	Q609	G-9
D749	C-4	Q610	G-9
D751	B-4	Q611	G-9
D752	B-4	Q613	H-7
D753	B-3	Q645	C-3
D754	B-3	Q671	D-5
D798	B-4	Q681	F-5
D799	B-2	Q698	B-8
		Q706	A-6
IC301	H-3	Q707	A-5
IC302	I-2	Q708	B-5
IC303	E-3	Q709	G-10
IC304	F-2	Q710	G-10
IC309	C-2	Q745	C-3
IC330	G-3	Q756	A-4
IC401	I-6	Q757	A-3
IC402	I-8	Q758	B-2
IC404	I-5	Q798	B-4
IC405	I-7	Q799	B-3







4-23. SCHEMATIC DIAGRAM – MAIN Board (3/3) –



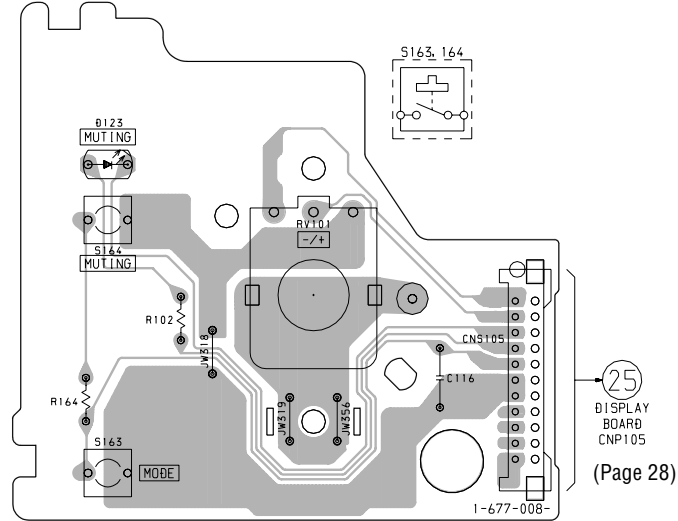
以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

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

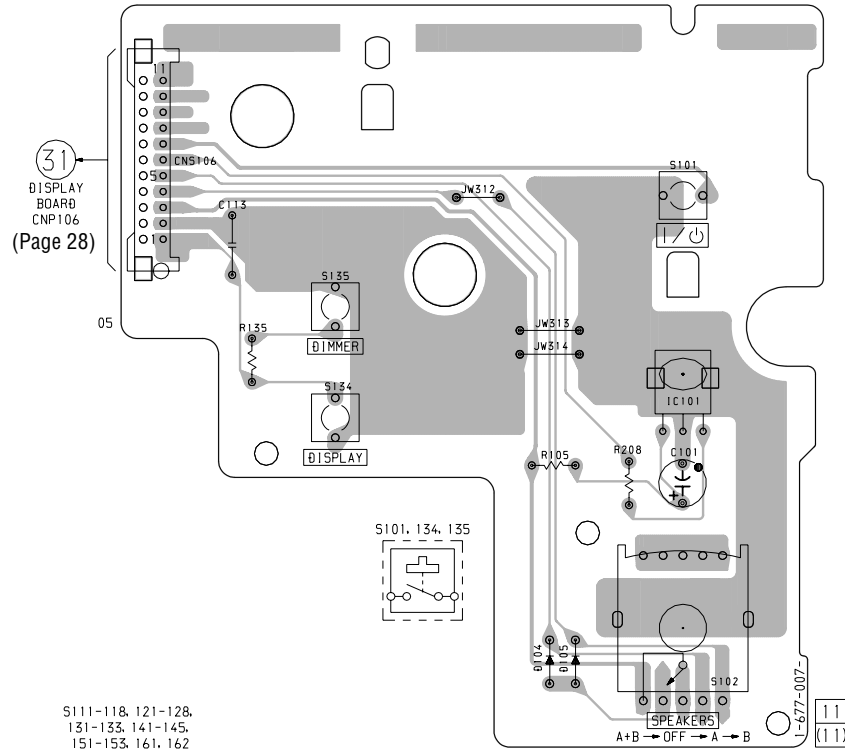
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-24. PRINTED WIRING BOARDS – H.P/MUTING/POWER/SW/VOL/VIDEO 3 Boards – • See page 14 for Circuit Boards Location.

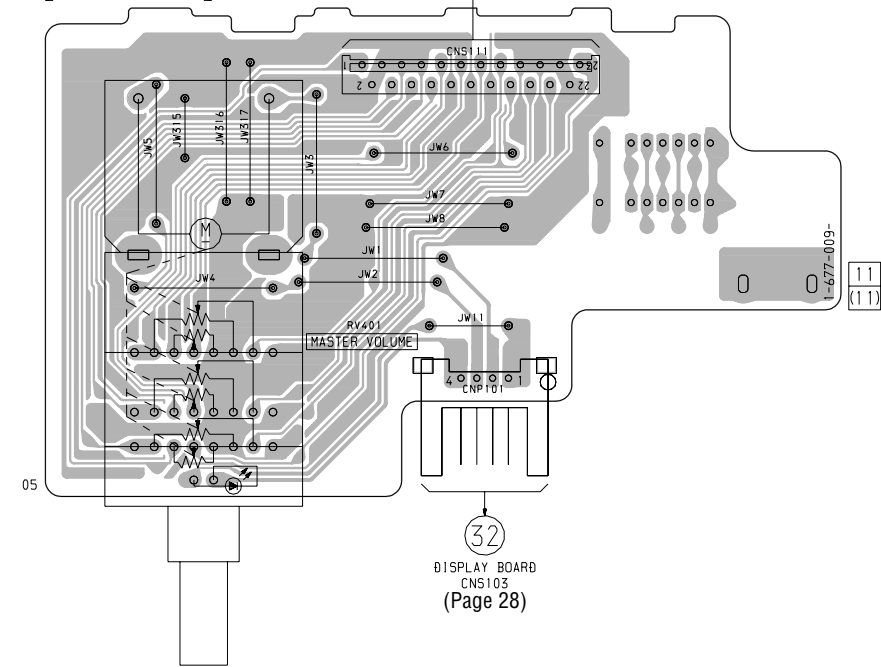
【MUTING BOARD】



【POWER BOARD】



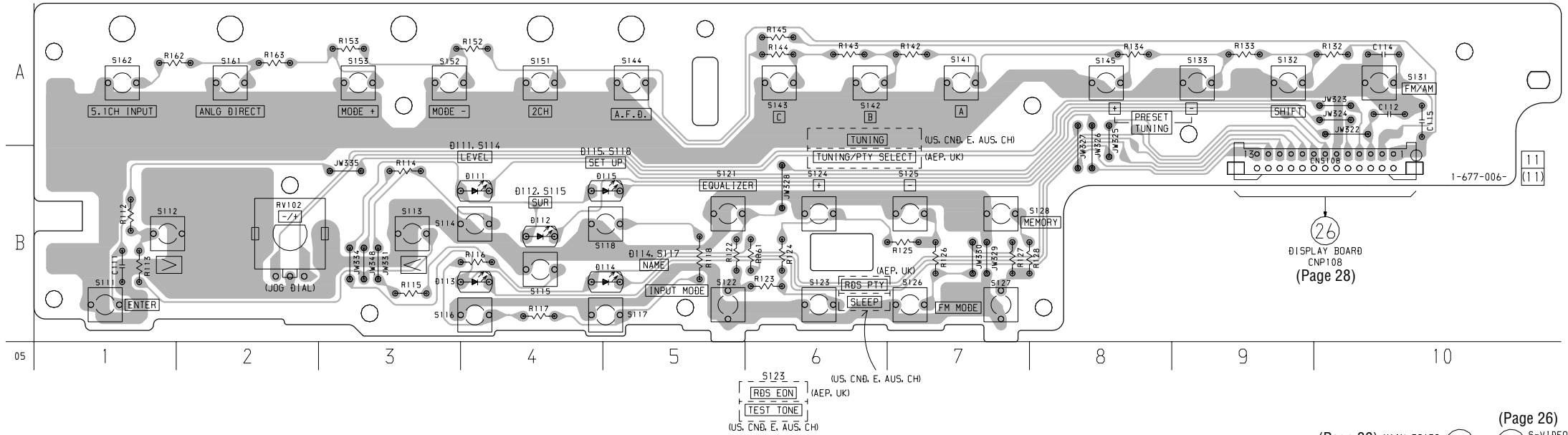
【VOL BOARD】



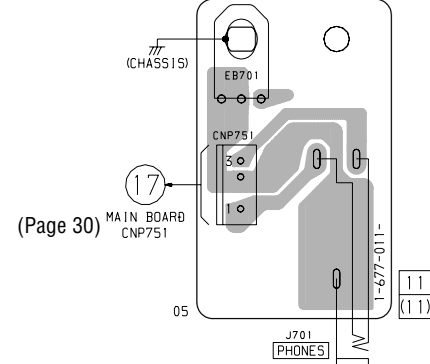
• Semiconductor Location

Ref. No.	Location
D111	B-4
D112	B-4
D113	B-4
D114	B-5
D115	B-5

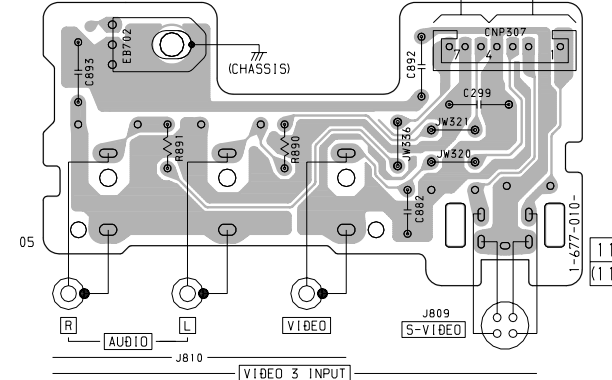
【SW BOARD】

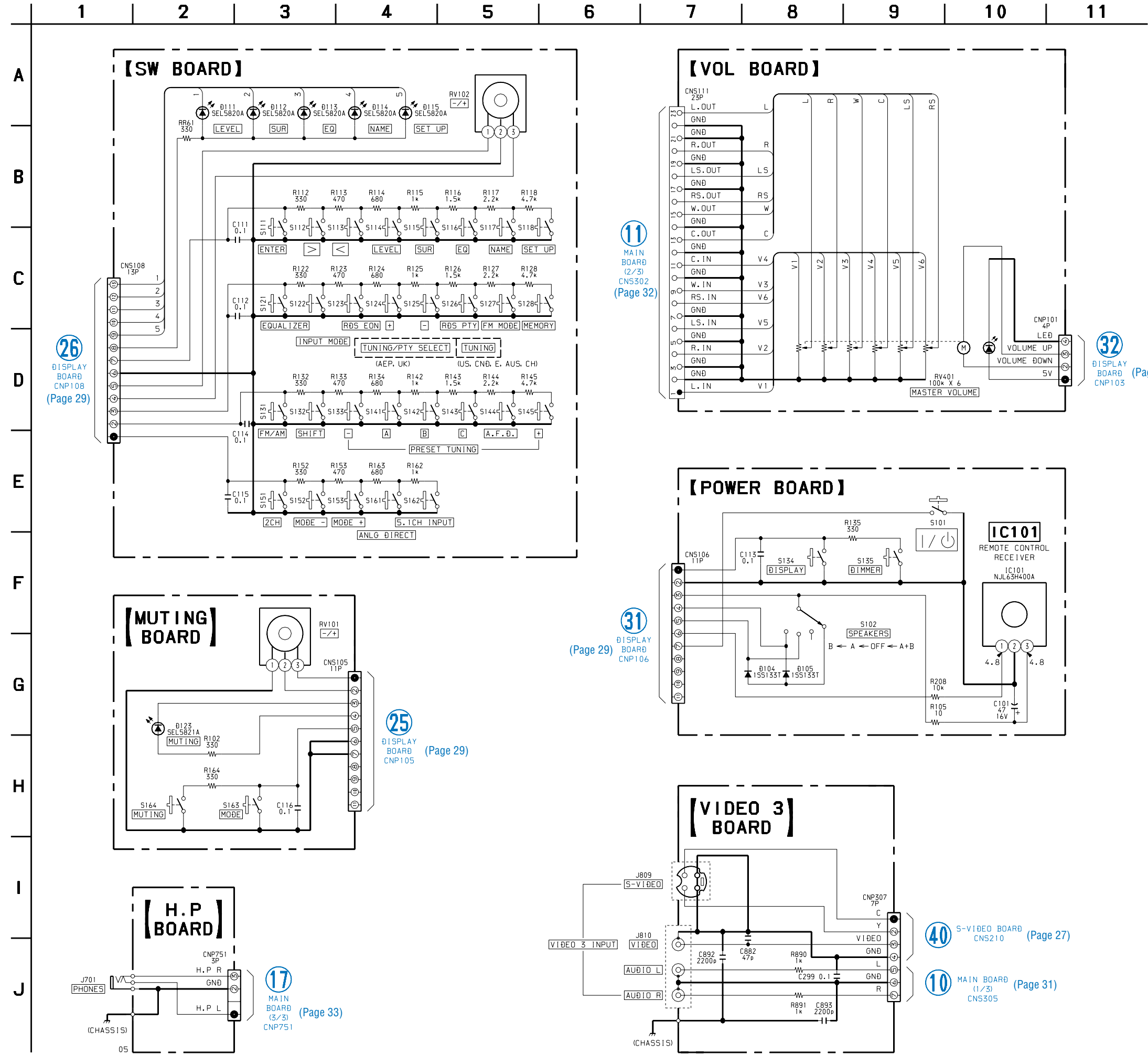


【H.P BOARD】



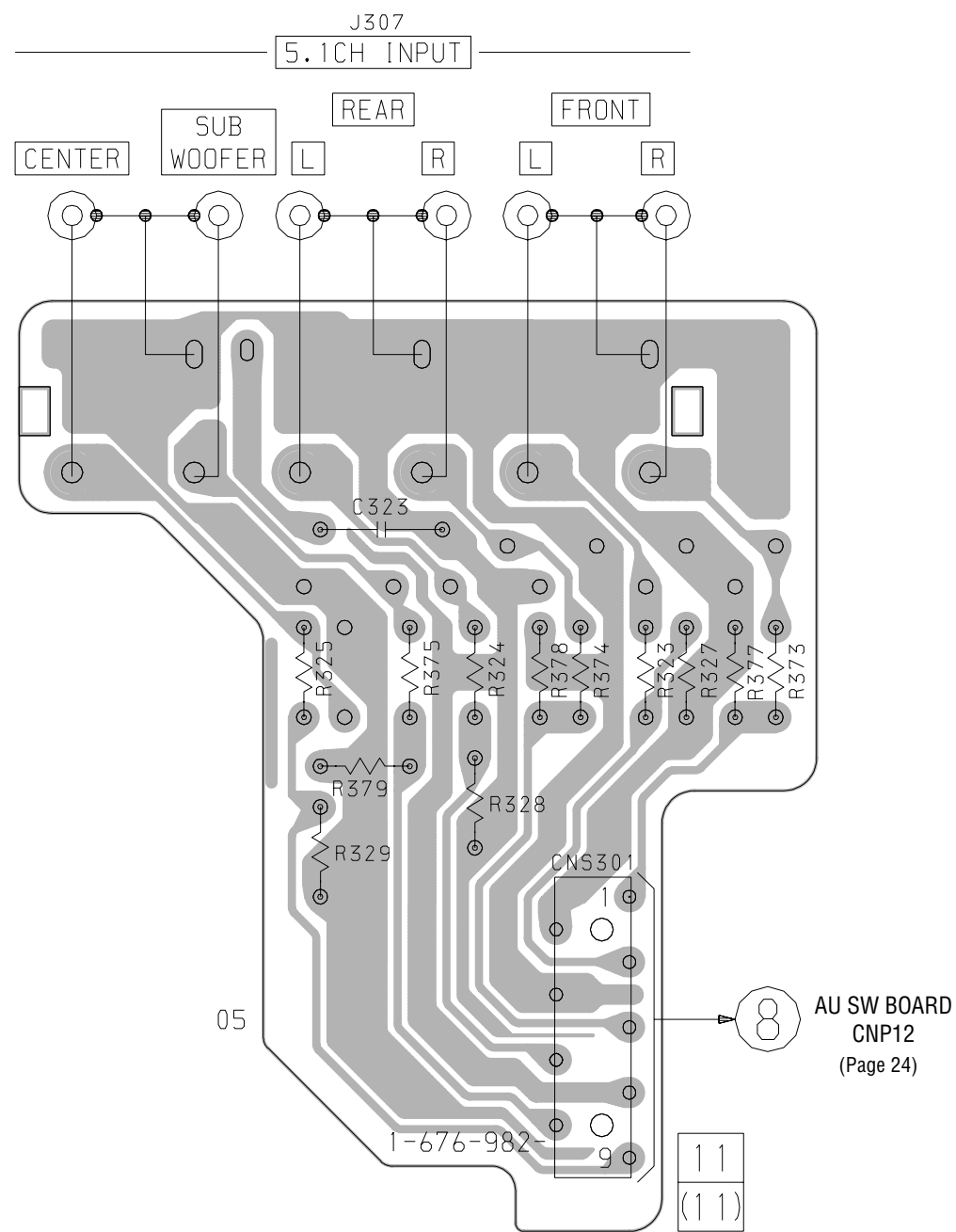
【VIDEO 3 BOARD】



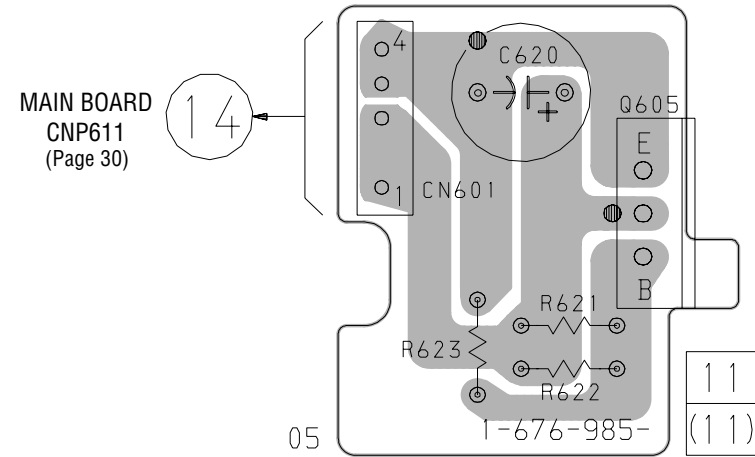


4-26. PRINTED WIRING BOARDS – 5.1 IN/BIAS (C)/BIAS (L)/BIAS (LS)/BIAS (R)/BIAS (RS) Boards – • See page 14 for Circuit Boards Location.

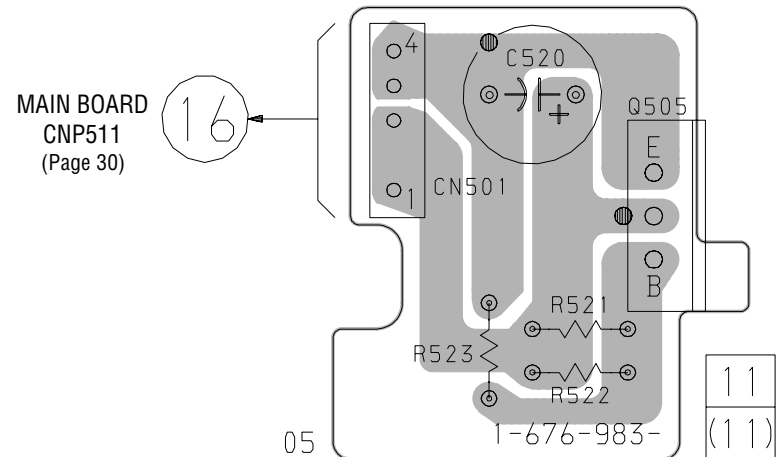
【5.1 IN BOARD】



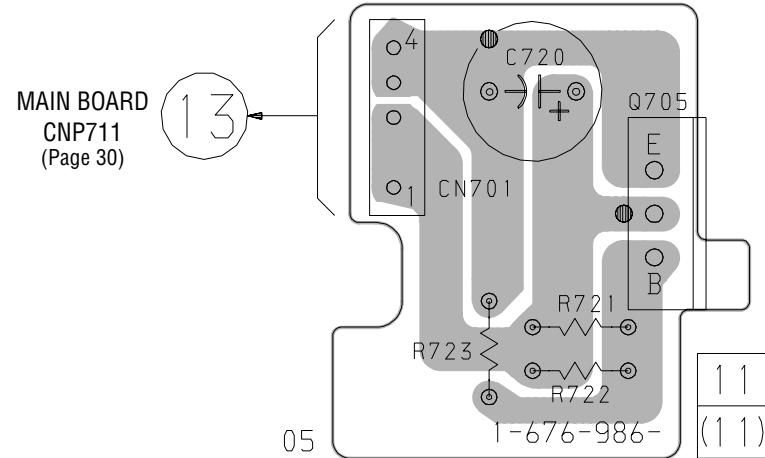
【BIAS (C) BOARD】



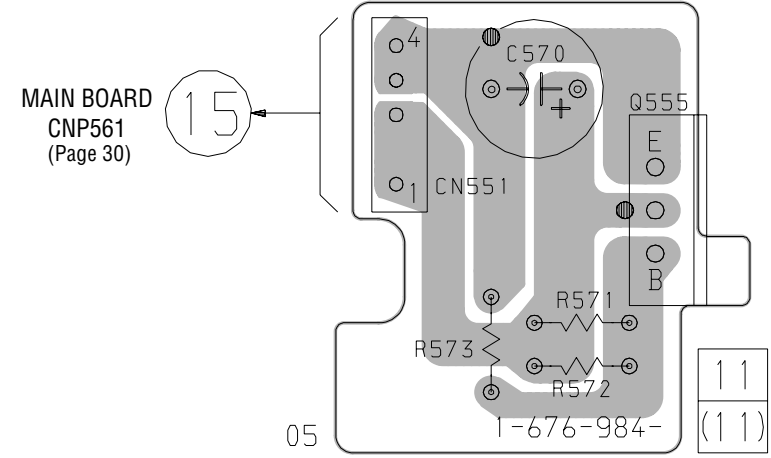
【BIAS (L) BOARD】



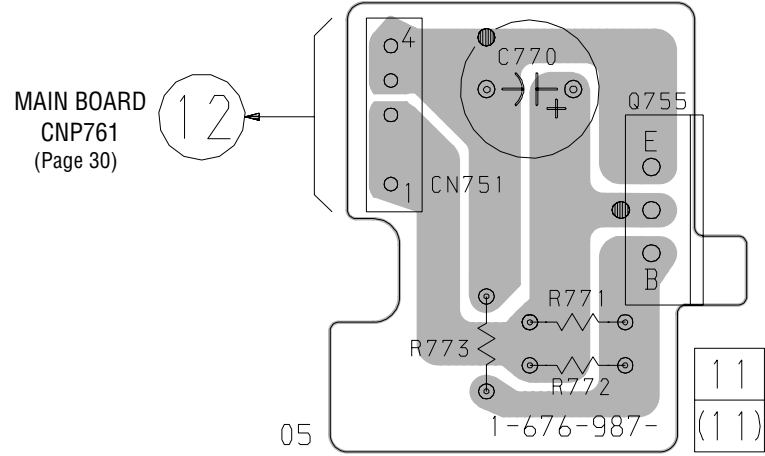
【BIAS (LS) BOARD】



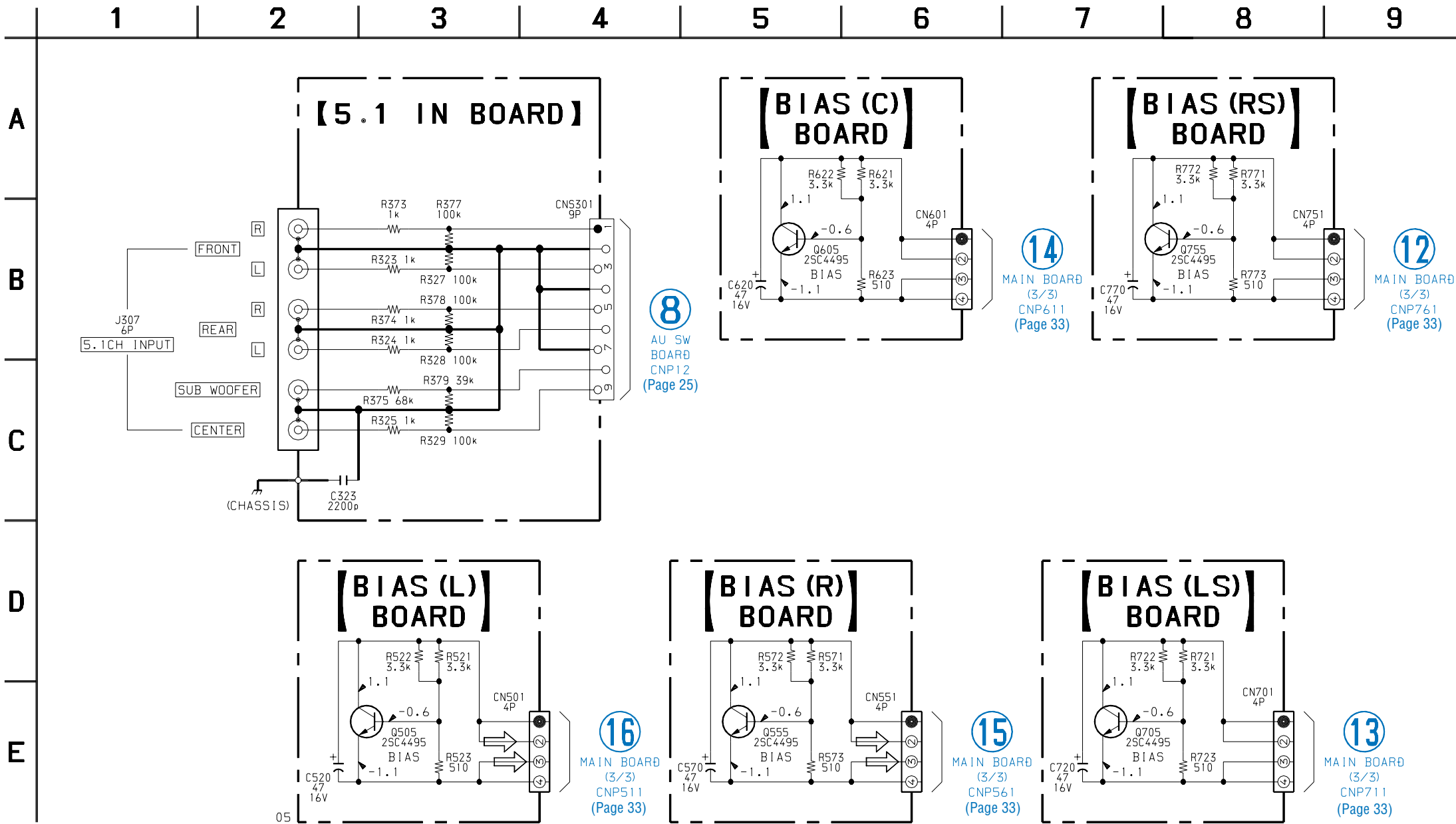
【BIAS (R) BOARD】



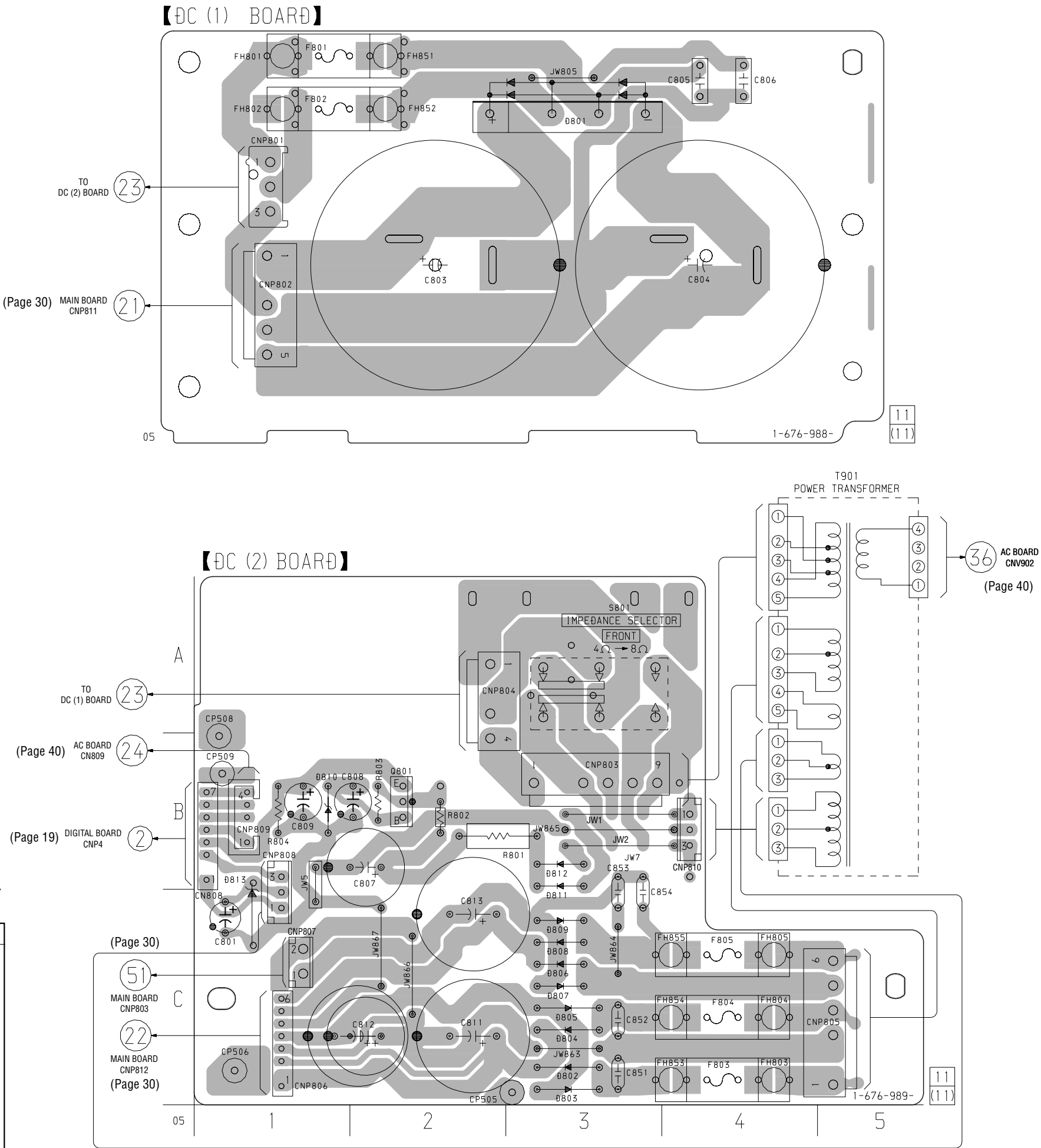
【BIAS (RS) BOARD】



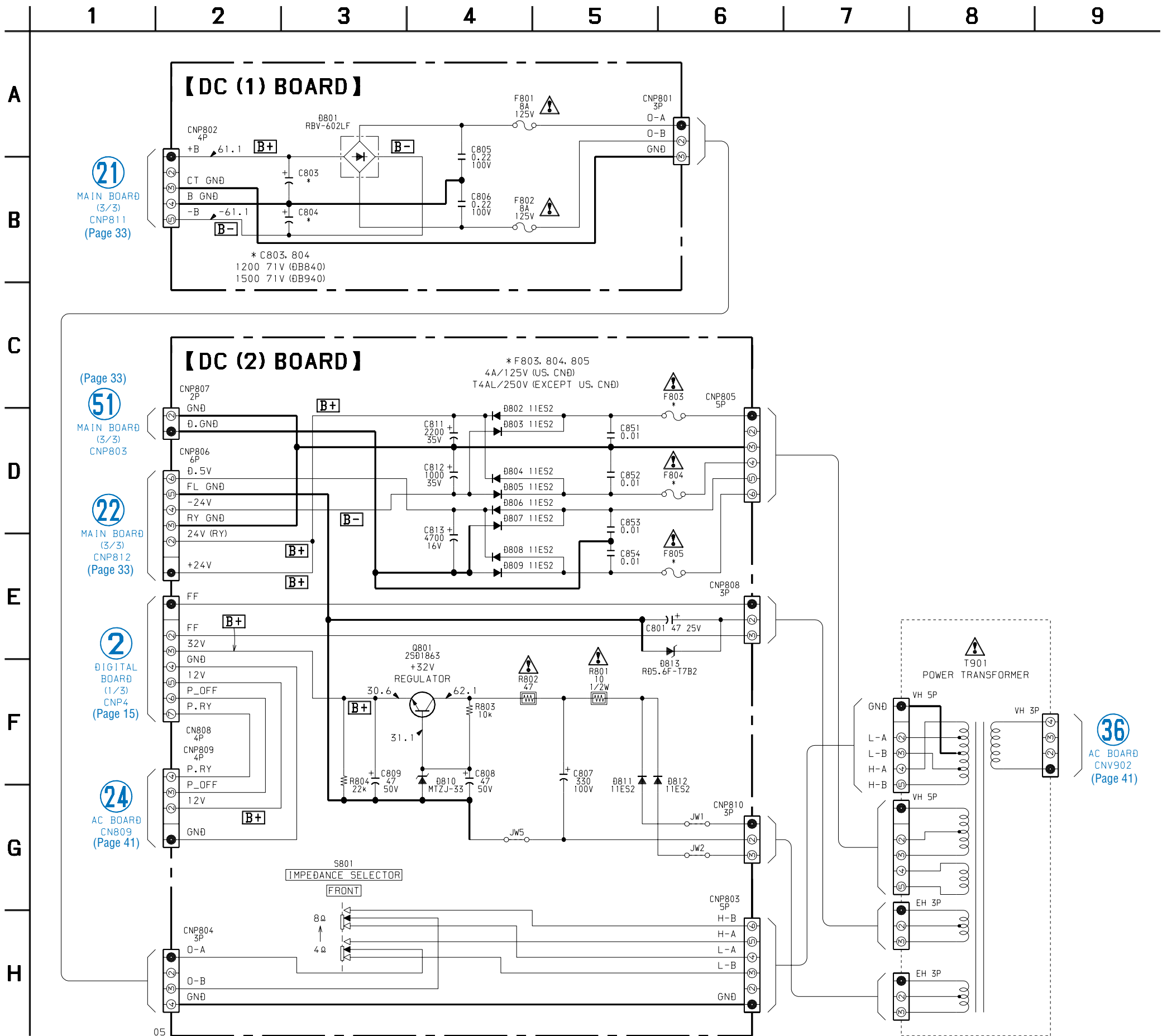
4-27. SCHEMATIC DIAGRAM – 5.1 IN/BIAS (C)/BIAS (L)/BIAS (LS)/BIAS (R)/BIAS (RS) Boards –



4-28. PRINTED WIRING BOARDS – DC (1)/DC (2) Boards – • See page 14 for Circuit Boards Location.



4-29. SCHEMATIC DIAGRAM – DC (1)/DC (2) Boards –



以阴影和△标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

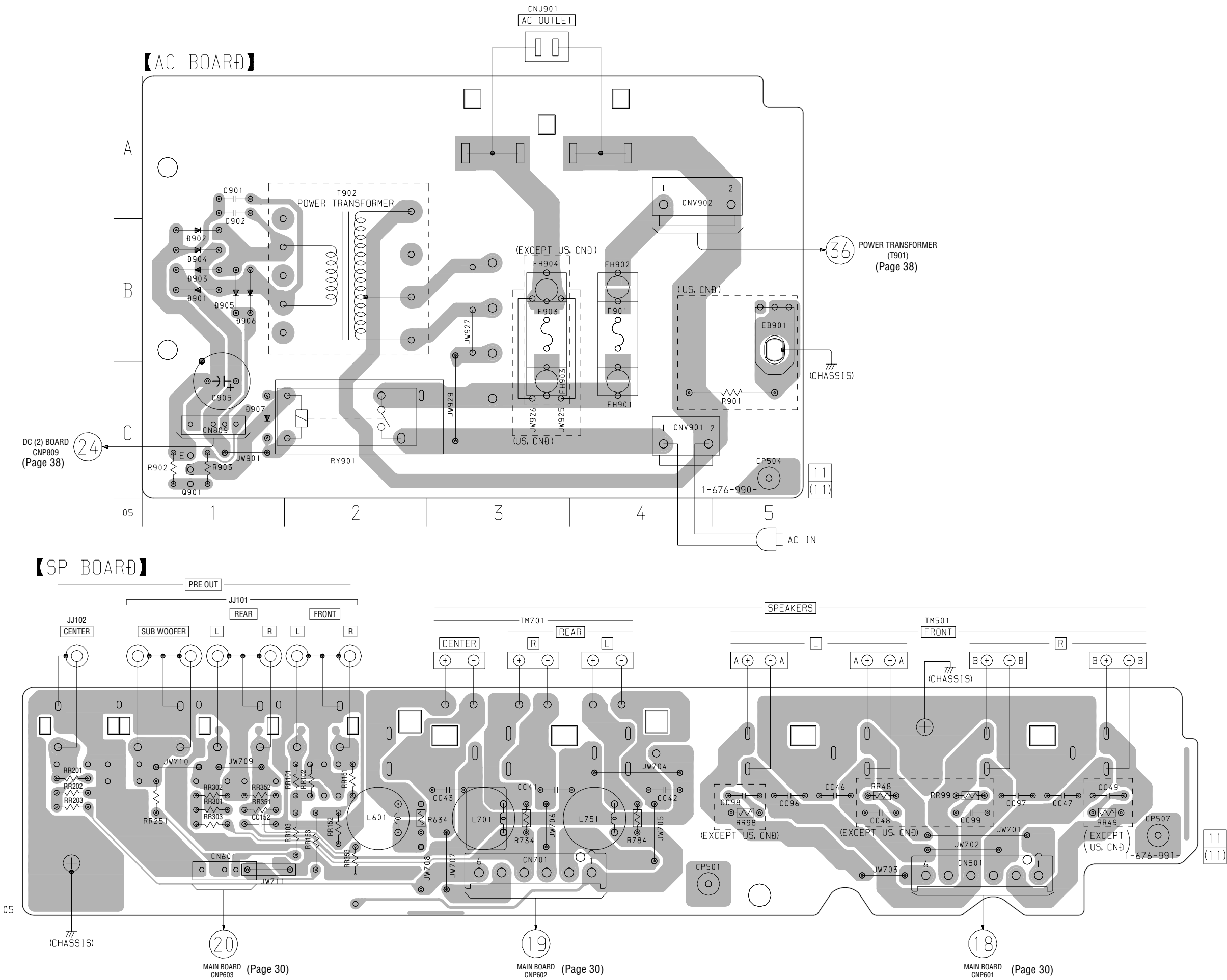
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

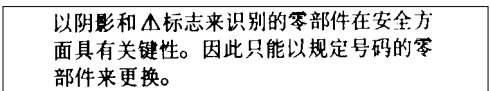
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

4-30. PRINTED WIRING BOARDS – AC/SP Boards – • See page 14 for Circuit Boards Location.

• Semiconductor Location

Ref. No.	Location
D901	B-1
D902	B-1
D903	B-1
D904	B-1
D905	B-1
D906	B-1
D907	C-1
Q901	C-1

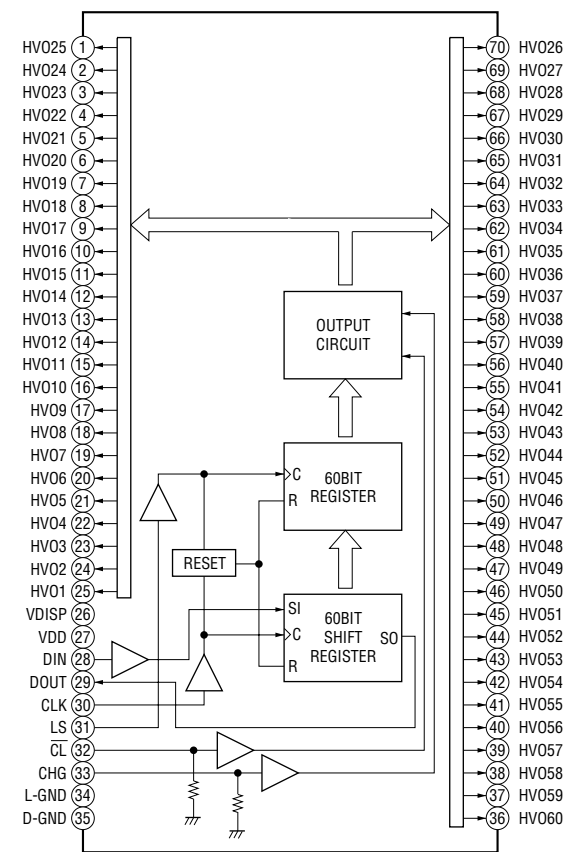
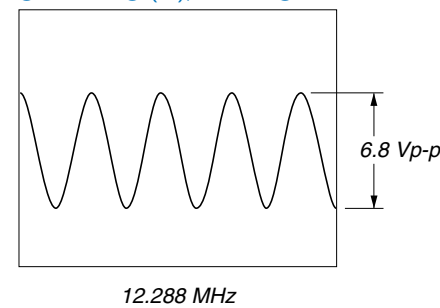
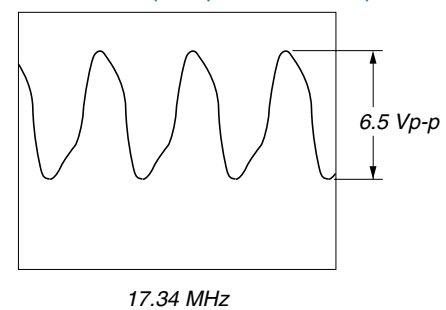
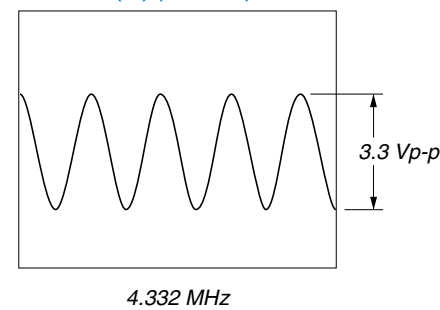
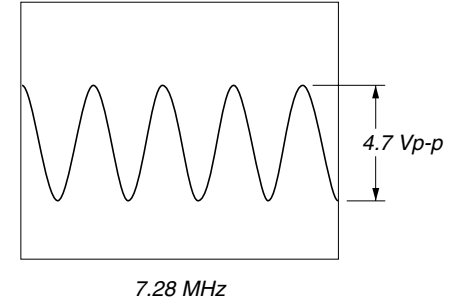
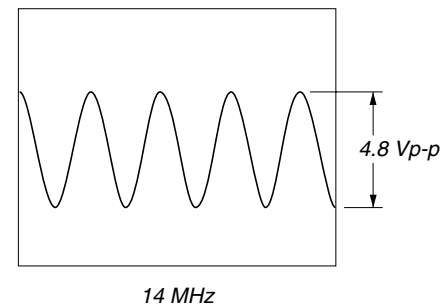
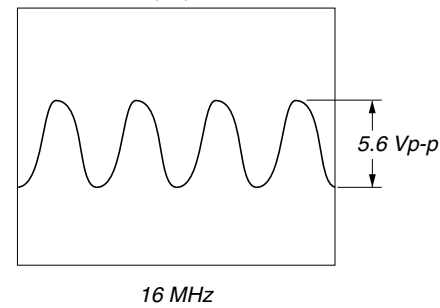
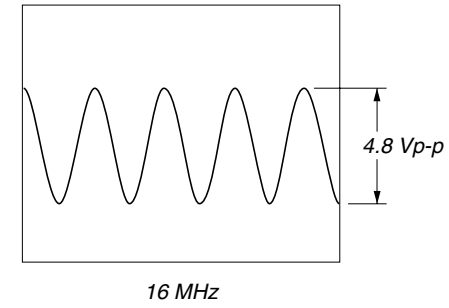
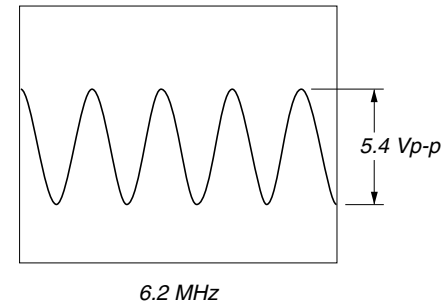
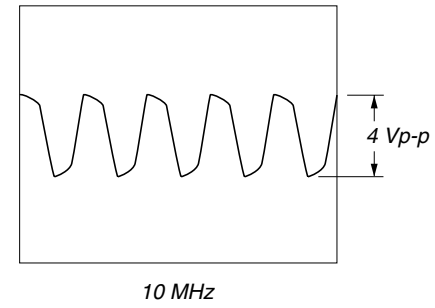




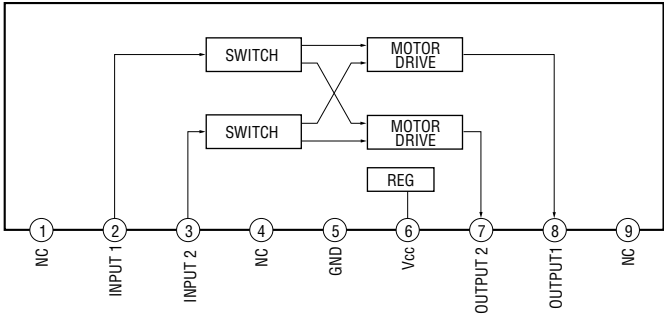
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

– DIGITAL Board –

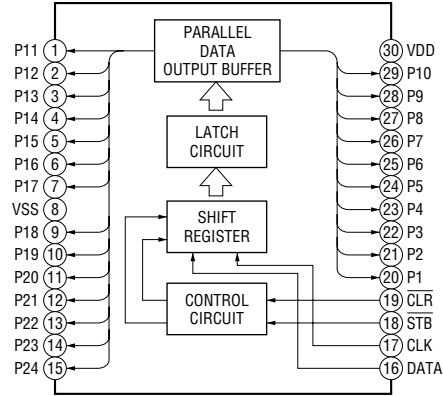
– DISPLAY Board –



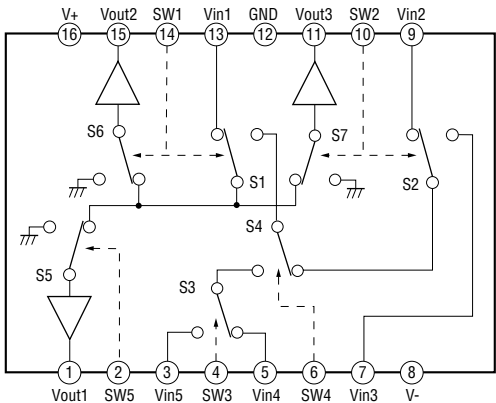
IC105 BA6208 (DISPLAY Board)



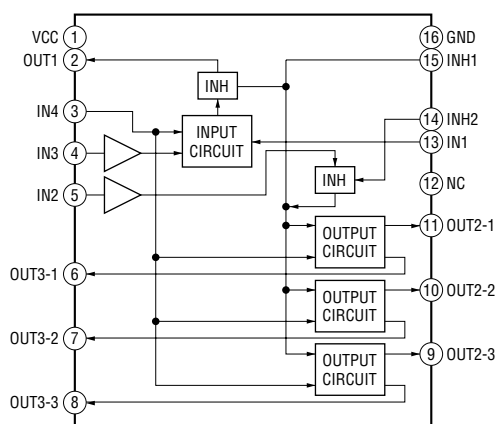
IC108 NJU3719L (DISPLAY Board)



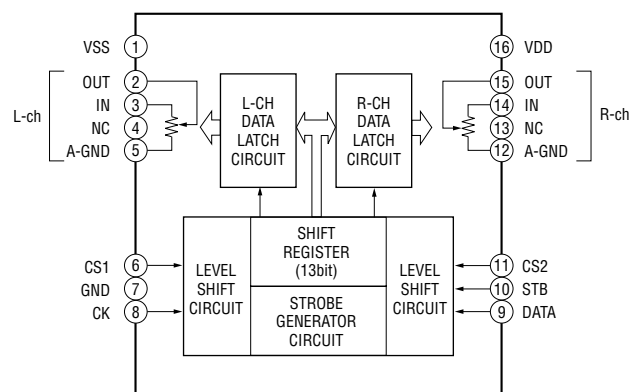
- IC201 NJM2296D (VIDEO Board (DB840))
IC251, 252 NJM2296D (S-VIDEO Board)
IC2005 NJM2296D (OSD Board (DB940))



IC253 NJM2145D (S-VIDEO Board (US, Canadian))



IC414-416 TC9299P (MAIN Board)

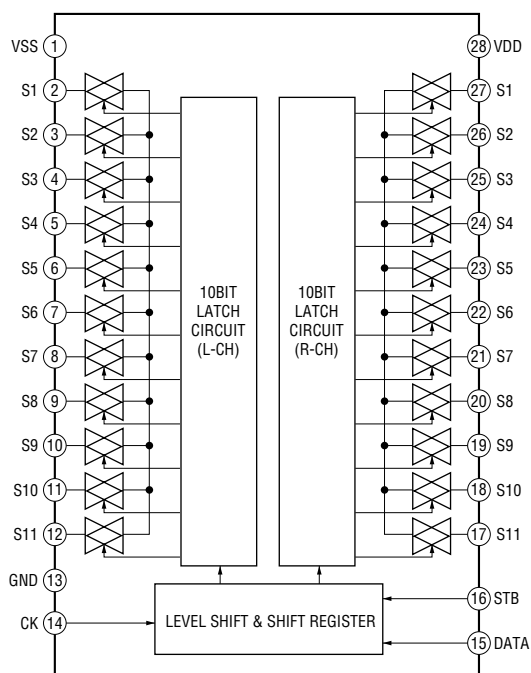


IC301 TC9273N-004 (MAIN Board)

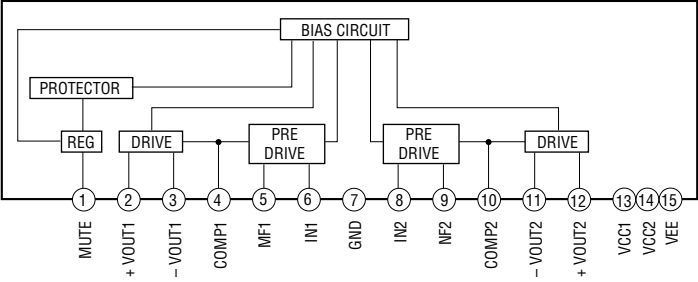
IC303 TC9273N-014 (MAIN Board)

IC330 TC9273N-013 (MAIN Board (DB940))

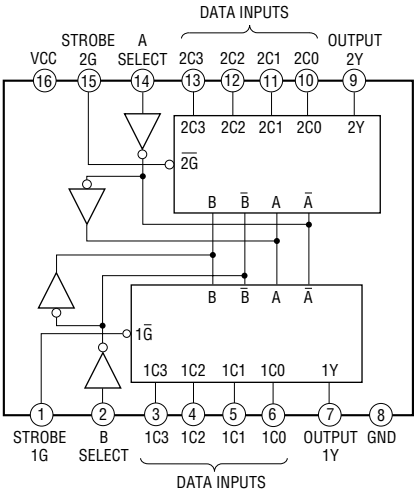
IC1502 TC9273F-012 (EL) (AU SW Board)



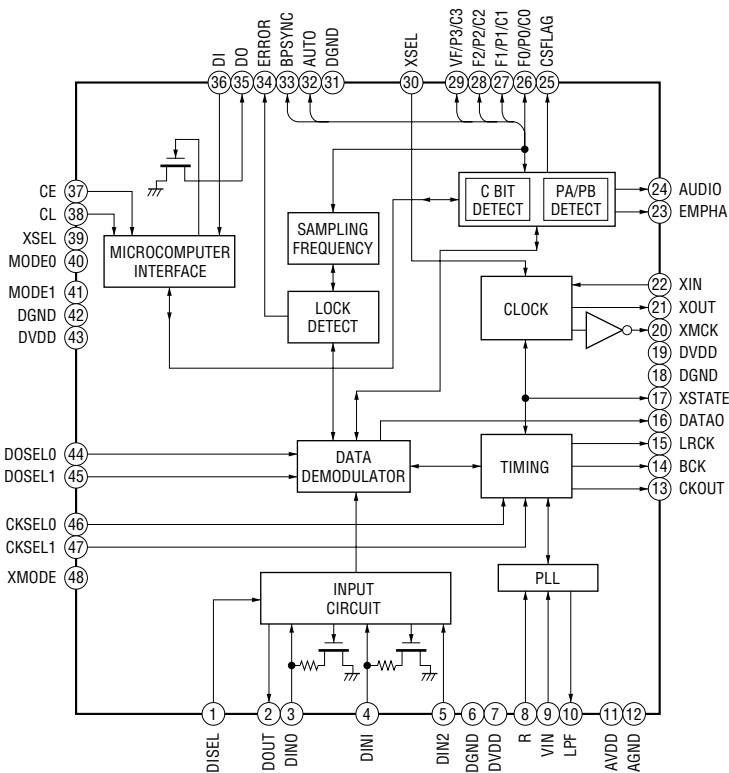
IC501, 601, 701 uPC2581V (MAIN Board)



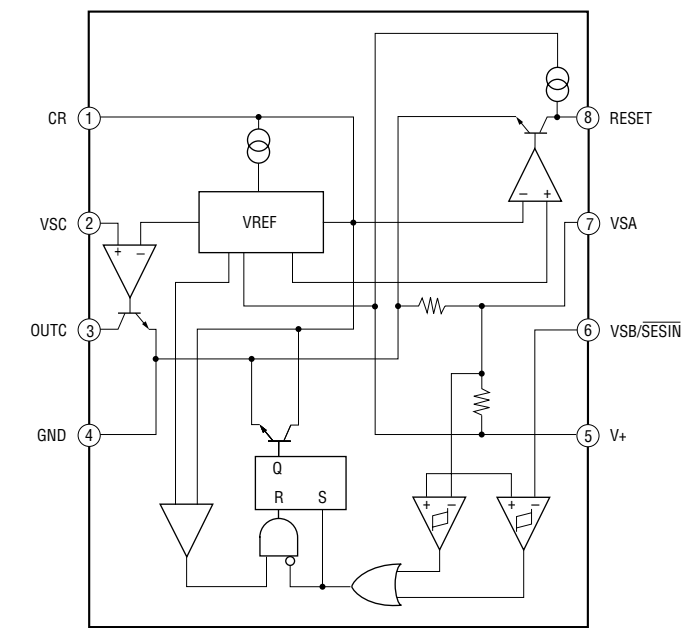
IC1005 TC74ACT153AF (EL) (DIGITAL Board)



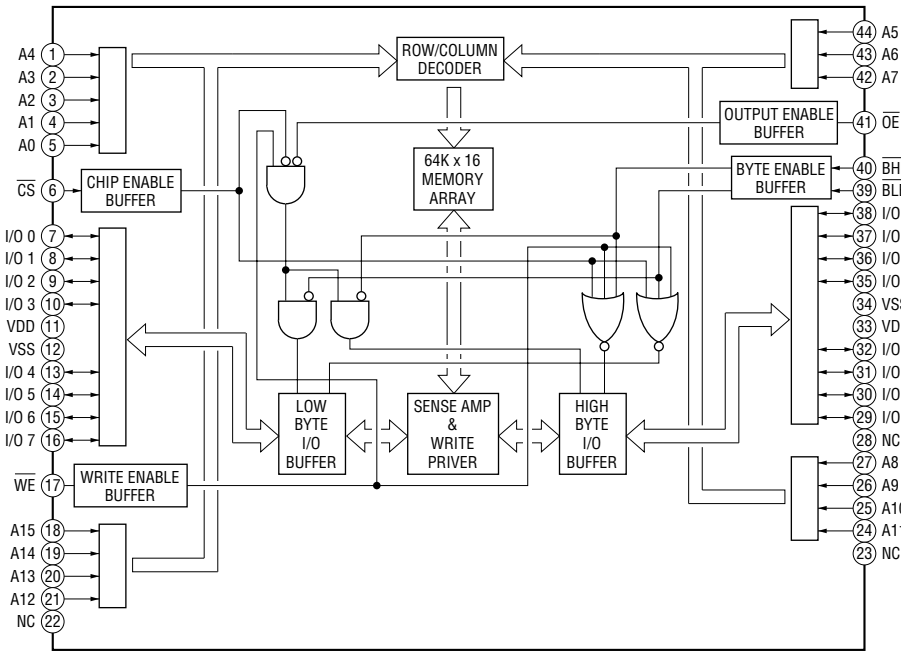
IC1101 LC89055W-RA8 (DIGITAL Board)



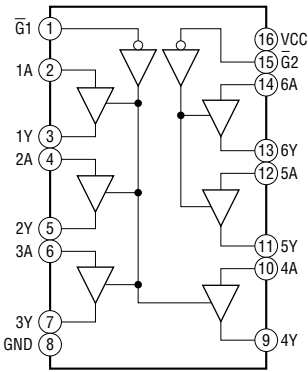
IC1206 NJM2103M-TE2 (DIGITAL Board)



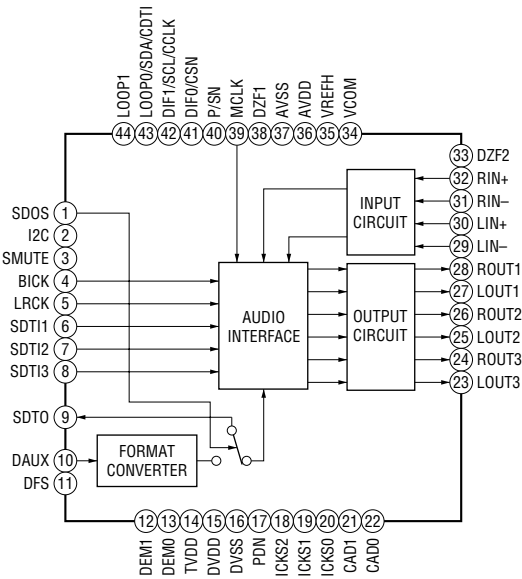
IC1402 IDT71V016S15PH-AUTL (DIGITAL Board)



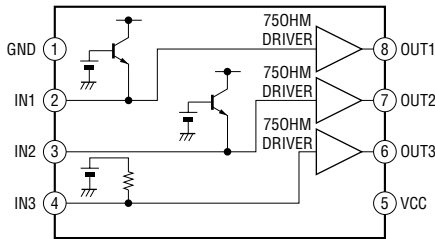
IC1403 TC74VHC367FT (EL) (DIGITAL Board)



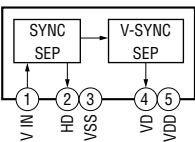
IC1503 AK4527 (DIGITAL Board)



IC2002 BA7622 (OSD Board (DB940))



IC2006, 2008 LA7213 (OSD Board (DB940))



4-32. IC PIN FUNCTION DESCRIPTION

• DIGITAL BOARD IC1101 LC89055W-RA8 (AUDIO INTERFACE RECEIVER)

Pin No.	Pin Name	I/O	Description
1	DISEL	I	Input data select terminal (fixed at “L” in this set)
2	DOUT	O	EIAJ data and parity output terminal Not used
3	DIN0	I	Amp integrate data input from the select switch (IC1005)
4	DIN1	O	Amp integrate data input terminal Not used (fixed at “L”)
5	DIN2	I	Amp integrate data input terminal Not used (fixed at “L”)
6	DGND	—	Ground terminal (digital system)
7	DVDD	—	Power supply terminal (+5V) (digital system)
8	R	I	Input terminal for VCO generator band adjustment
9	VIN	I	Input terminal for VCO self running frequency set
10	LPF	O	External LPF for PLL is connected to this terminal
11	AVDD	—	Power supply terminal (+5V) (analog system)
12	AGND	—	Ground terminal (analog system)
13	CK OUT	O	Clock signal output to the A/D, D/A converter (IC1503)
14	BCK	O	Bit clock signal output to the A/D, D/A converter (IC1503), dolby digital audio decoder (IC1301), and audio DSP (IC1401)
15	LRCK	O	Clock signal output to the A/D, D/A converter (IC1503), dolby digital audio decoder (IC1301), and audio DSP (IC1401)
16	DATAO	O	Audio data output to the dolby digital audio decoder (IC1301)
17	XSTATE	O	Clock status flag output to the system controller (IC1201)
18	DGND	—	Ground terminal (digital system)
19	DVDD	—	Power supply terminal (+5V) (digital system)
20	XMCK	O	Not used (open)
21	XOUT	O	Clock output terminal Not used (open)
22	XIN	I	Clock input from the clock oscillator (IC1404) (12.288MHz)
23	EMPHA	O	Emphasis monitor output terminal “H”: on Not used
24	AUDIO	O	Terminal for check
25	CSFLAG	O	Not used (open)
26	F0/P0/C0	O	Terminal for check
27	F1/P1/C1	O	Terminal for check
28	F2/P2/C2	O	Terminal for check
29	F3/P3/C3	O	Terminal for check
30	DVDD	—	Power supply terminal (+5V) (digital system)
31	DGND	—	Ground terminal (digital system)
32	AUTO	O	Not used (open)
33	BPSYNC	O	Not used (open)
34	ERROR	O	Error mute output to the system controller (IC1201)
35	DO	O	C-bit output to the system controller (IC1201)
36	DI	I	Data input from the system controller (IC1201)
37	CE	I	Chip enable signal input from the system controller (IC1201)
38	CLK	I	Clock signal input from the system controller (IC1201)
39	XSEL	I	Clock select terminal (fixed at “H” in this set)
40	MODE0	I	Mode 0 input terminal (fixed at “L” in this set)
41	MODE1	I	Mode 1 input terminal (fixed at “L” in this set)
42	DGND	—	Ground terminal (digital system)
43	DVDD	—	Power supply terminal (+5V) (digital system)

Pin No.	Pin Name	I/O	Description
44	DOSEL0	O	Data select 0 output terminal (fixed at “L” in this set)
45	DOSEL1	O	Data select 1 output terminal (fixed at “L” in this set)
46	CKSEL0	I	System clock select 0 input terminal (fixed at “L” in this set)
47	CKSEL1	I	System clock select 1 input terminal (fixed at “L” in this set)
48	XMODE	I	Reset signal input from the system controller (IC1201)

• **DIGITAL BOARD IC1201 MB90573PFV-G-296-BND (SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	SCLK	O	Serial clock signal output to the dolby digital audio decoder (IC1301)
2	SI	I	Serial data input from the dolby digital audio decoder (IC1301)
3	SO	O	Serial data output to the dolby digital audio decoder (IC1301)
4	CS	O	Chip select signal output to the dolby digital audio decoder (IC1301)
5	IC	O	Reset signal output to the dolby digital audio decoder (IC1301)
6	DSIG	I	Data detect signal input from the digital audio interface receiver (IC1101)
7	NC	O	Not used (fixed at “L”)
8	VCC	—	Power supply terminal (+5V)
9	SIN0	I	UART signal input from the display controller (IC102)
10	SOT0	O	UART signal output to the display controller (IC102)
11, 12	NC	O	Not used (fixed at “L”)
13	XHDWR	O	Data write output to the audio DSP (IC1401)
14	XHDRD	O	Data read output terminal Not used (fixed at “L”)
15	SOD	I	Serial data input from the audio DSP (IC1401)
16	XHDCS	O	Chip select signal output to the audio DSP (IC1401)
17 to 24	HD7 to HD0	O	Two-way data bus with the audio DSP (IC1401)
25	HA0	O	Address data output to the audio DSP (IC1401)
26	XRST	O	Reset signal output to the audio DSP (IC1401)
27	HRDY	O	Ready signal output to the audio DSP (IC1401)
28	CS	O	Chip select signal output to the A/D, D/A converter (IC1503)
29	CCLK	O	Clock signal output to the A/D, D/A converter (IC1503)
30	CDTI	I	Data input from the A/D, D/A converter (IC1503)
31	SMUTE	O	Soft mute signal output to the A/D, D/A converter (IC1503)
32	PD	O	Reset signal output to the A/D, D/A converter (IC1503)
33	VSS	—	Ground terminal
34	C	—	External power regulator capacitor is connected terminal
35	96kHz	O	Dfs signal output to the A/D, D/A converter (IC1503)
36, 37	NC	I	Not used (fixed at “L”)
38	DVCC	—	Power supply terminal (+5V) (digital system)
39	DVSS	—	Ground terminal (digital system)
40, 41	NC	O	Not used (fixed at “L”)
42	AVCC	—	Power supply terminal (+5V) (analog system)
43	AVR+	—	Power supply terminal (+5V)
44	AVR-	—	Ground terminal
45	AVSS	—	Ground terminal (analog system)
46	EVSTB	O	Serial strobe output to the select switch circuit
47	EVDATA	O	Serial data output to the select switch circuit
48	EVCLK	O	Serial clock output to the select switch circuit
49	DISPMR	I	Display master request signal input from the display controller (IC102)
50	DISPDATA	I	Display master data input from the display controller (IC102)
51	SLVDTA/REQ	O	Slave data/request output to the display controller (IC102)
52	DISPCLK	I	Display master clock input from the display controller (IC102)
53	NC	I	Not used (fixed at “L”)
54	VCC	—	Power supply terminal (+5V)
55	SLAT	O	Tuner latch signal output to the FM/AM tuner unit (TM301)

Pin No.	Pin Name	I/O	Description
56	SDATA	O	Tuner data output to the FM/AM tuner unit (TM301)
57	SCLK	O	Tuner clock signal output to the FM/AM tuner unit (TM301)
58	DATA IN	I	PLL data input from the FM/AM tuner unit (TM301)
59	AUSTOP	I	Tuned display detection signal input from the FM/AM tuner unit (TM301)
60	STEREO	I	Stereo detection signal input from the FM/AM tuner unit (TM301)
61, 62	NC	I	Not used (fixed at “L”)
63	VSS	—	Ground terminal
64	NC	I	Not used (fixed at “L”)
65	TH	I	Protect signal input terminal (fixed at “L” in this set)
66	PROTEC	I	Over load detect signal input from the protect circuit “L”: protect detect
67	STOP	I	AC power check signal input from the power control (IC1206)
68 to 71	NC	I	Not used (fixed at “L”)
72	VIDEO (SW4)	O	Video select (SW4) signal output to the video select switch (IC251, 252)
73	X1A	—	Not used (open)
74	X0A	—	Not used (open)
75	VIDEO (SW3)	O	Video select (SW3) signal output to the video select switch (IC251, 252)
76	VIDEO (SW2)	O	Video select (SW2) signal output to the video select switch (IC251, 252)
77	VIDEO (SW1)	O	Video select (SW1) signal output to the video select switch (IC251, 252)
78	$\overline{\text{HI-FI}}/\text{QS}$	I	Model check detection input terminal “L”: HI-FI “H”: QS
79	TAPE NO/ $\overline{\text{YES}}$	I	Tape no/yes signal detection input terminal “L”: tape yes “H”: tape no
80	VIDEO 3 NO/ $\overline{\text{YES}}$	I	VIDEO 3 no/yes signal detection input terminal “L”: VIDEO 3 yes “H”: VIDEO 3 no
81	DTS NO/ $\overline{\text{YES}}$	I	DTS no/yes signal detection input terminal “L”: DTS yes “H”: DTS no
82	ACMUTE	O	Muting control signal output to the power amp (IC501, 601, 701)
83	96K NO/ $\overline{\text{YES}}$	I	96K no/yes signal detection input terminal Not used
84	TMUTE	O	Tuner muting control signal output to the FM/AM tuner unit (TM301) “H”: muting
85	SMUTE	O	Surround muting control signal output to the AF amp (IC1508, 1509, 1510)
86	HSTX	—	Hardware standby terminal (fixed at “H” in this set)
87	MD2	O	MD2 signal output to the display controller (IC102)
88	MD1	O	MD1 signal output terminal (fixed at “H” in this set)
89	MD0	O	MD0 signal output to the display controller (IC102)
90	REST	I	Reset signal input from the display controller (IC102)
91	VSS	—	Ground terminal
92	XO	O	Main system clock output terminal (16MHz)
93	XI	I	Main system clock input terminal (16MHz)
94	VCC	—	Power supply terminal (+5V)
95, 96	PO0, PO1	I	Rewrite terminal for the flash memory Not used (fixed at “L”)
97	RY-4/8	O	4/8 relay drive signal out put terminal Not used (open)
98	RY-PRE	O	Pre amp relay drive signal output terminal “H”: relay on
99	RY-FRONT/A	O	Front speaker A relay drive signal output terminal “H”: relay on
100	RY-FRONT/B	O	Front speaker B relay drive signal output terminal “H”: relay on
101	RY-CENTER	O	Center speaker relay drive signal output terminal “H”: relay on
102	RY-REAR	O	Rear speaker relay drive signal output terminal “H”: relay on
103	RY-WOOFER	O	Rear woofer relay drive signal output terminal “H”: relay on
104	RY-HP	O	Headphone relay drive signal output terminal “H”: relay on
105	RY-POWER	O	Power relay drive signal output terminal “H”: relay on
106	$\overline{\text{ANG}}/\text{DIG}$	O	Analog/digital select signal output terminal “L”: analog “H”: digital

Pin No.	Pin Name	I/O	Description
107	DIG-INB	O	Digital input select B control signal output to the select switch (IC1005)
108	DIG-INA	O	Digital input select A control signal output to the select switch (IC1005)
109	XMODE	O	Reset signal output to the digital audio interface receiver (IC1101)
110	CL	O	Clock signal output to the digital audio interface receiver (IC1101)
111	CE	O	Chip enable signal output to the digital audio interface receiver (IC1101)
112	DI	O	Data output to the digital audio interface receiver (IC1101)
113	DO	I	Data input from the digital audio interface receiver (IC1101)
114	ERROR	I	Error signal input from the digital audio interface receiver (IC1101)
115 to 111	NC	I	Not used (fixed at “L”)
118	XSTATE	I	Clock status flag signal input from the digital audio interface receiver (IC1101)
119	VSS	—	Ground terminal
120	NC	I	Not used (fixed at “L”)

• DIGITAL BOARD IC1401 CXD2712R (AUDIO DSP)

Pin No.	Pin Name	I/O	Description
1	VSS3	—	Ground terminal
2 to 5	SOA to SOD	O	Serial data output to the A/D, D/A converter
6, 7	ECJ0, ECJ1	I	Conditional jump input terminal (fixed at “L” in this set)
8	NC	O	Not used (fixed at “L”)
9	XHDWR	I	Write data input from the system controller (IC1201)
10	XHDRD	I	Read data input terminal Not used (fixed at “H”)
11	VSS4	—	Ground terminal
12	VDD2	—	Power supply terminal (+3.3V)
13	HRDY	O	Ready signal output to the system controller (IC1201)
14	XHDCS	I	Chip select signal input from the system controller (IC1201)
15	HA0	I	Address signal input from the system controller (IC1201)
16 to 20	HD0 to HD4	I/O	Two-way data bus with the system controller (IC1201)
21	VSS5	—	Ground terminal
22	VDD3	—	Power supply terminal (+3.3V)
23 to 25	HD5 to HD7	I/O	Two-way data bus with the system controller (IC1201)
26	$\overline{\text{XRST}}$	I	Reset signal input from the system controller (IC1201) “L”: reset
27 to 30	FGP0 to FGP3	I/O	Data output terminal for the test
31	VSS6	—	Ground terminal
32 to 40	ED0 to ED8	I/O	Two-way data bus with external RAM Not used (fixed at “L”)
41	VSS7	—	Ground terminal
42	VDD4	—	Power supply terminal (+3.3V)
43 to 49	ED9 to ED15	I/O	Two-way data bus with external RAM Not used (fixed at “L”)
50	TEST	I	Test terminal (Normally: fixed at “L”)
51	VSS8	—	Ground terminal
52	VDD5	—	Power supply terminal (+3.3V)
53 to 60	ED16 to ED23	I/O	Two-way data bus with the S-RAM (IC1402)
61	VSS9	—	Ground terminal
62 to 69	ED24 to ED31	I/O	Two-way data bus with the S-RAM (IC1402)
70	XOE	O	Output enable signal output to the S-RAM (IC1402)
71	VSS10	—	Ground terminal
72	VDD6	—	Power supply terminal (+3.3V)
73	CAS	O	External RAM column address strobe signal output terminal Not used
74	XWE	O	Write enable signal output to the S-RAM (IC1402)
75	RAS	O	External RAM row address strobe signal output terminal Not used
76 to 80	EA0 to EA4	O	Address signal output to the S-RAM (IC1402) or test data input from the S-RAM (IC1402)
81	VSS11	—	Ground terminal
82	VDD7	—	Power supply terminal (+3.3V)
83 to 89	E5 to EA11	O	Address signal output to the S-RAM (IC1402) or test data input from the S-RAM (IC1402)
90	EA12	O	Address signal output to the S-RAM (IC1402)
91	VSS0	—	Ground terminal
92 to 94	EA13 to EA15	O	Address signal output to the S-RAM (IC1402)
95	EA16	O	Address signal output terminal (for check)
96	TSTA	I	Test data input terminal (Normally: fixed at “L”)
97	PLDIVF	I	PLL input frequency select terminal “L”: 256fs “H”: 128fs (fixed at “L” in this set)
98	PLDIVB	O	PLL input frequency select terminal “L”: 768fs “H”: 1024fs (fixed at “H” in this set)

Pin No.	Pin Name	I/O	Description
99	CLKI	I	Master clock signal input terminal (10MHz)
100	CLKO	O	Master clock signal output terminal (10MHz)
101	VSS1	—	Ground terminal
102	VDD0	—	Power supply terminal (+3.3V)
103	AVSS	—	Ground terminal (for PLL cell)
104	AVDD	—	Power supply terminal (+3.3V) (for PLL cell)
105	PLLCK	I/O	PLL output/test clock signal input terminal (for check)
106	XPLEN	I	PLL cell oscillation enable signal input terminal “L”: oscillation enable (fixed at “L” in this set)
107	TST	I	Test data input terminal (Normally: fixed at “L”)
108	LRCT	I	Frequency counter input terminal (fixed at “L” in this set)
109	LROUT	O	Clock driver signal output terminal (for check)
110	BKOUT	O	Clock driver signal output terminal (for check)
111	VSS2	—	Ground terminal
112	VDD1	—	Power supply terminal (+3.3V)
113	BCK0	I	Clock 0 signal input from the digital audio interface receiver (IC1101)
114	BCK1	I	Clock 1 signal input from the digital audio interface receiver (IC1101)
115	LRCK0	I	Clock 0 signal input from the digital audio interface receiver (IC1101)
116	LRCK1	I	Clock 1 signal input from the digital audio interface receiver (IC1101)
117 to 120	SIA to SID	—	Serial data input from the dolby digital audio decoder (IC1301)

• **DIGITAL BOARD IC1503 AK4527 (A/D, D/A CONVERTER)**

Pin No.	Pin Name	I/O	Description
1	SDOS	I	Data source select terminal “L”: internal ADC output “H”: DAUX input
2	I2C	I	Control mode select terminal “L”: 3-wire serial “H”: I2C bus
3	SMUTE	I	Soft mute signal input from the system controller (IC1201)
4	BCLK	I	Audio serial data clock signal input from the digital audio interface receiver (IC1101)
5	LRCK	I	Input channel clock signal input from the digital audio interface receiver (IC1101)
6	SDT1	I	DAC1 audio serial data input from the audio DSP (IC1401)
7	SDT2	I	DAC2 audio serial data input from the audio DSP (IC1401)
8	SDT3	I	DAC3 audio serial data input from the audio DSP (IC1401)
9	SDTO	O	audio serial data output to the dolby digital audio decoder (IC1301)
10	DAUX	I	Audio serial data input terminal Not used (fixed at “L”)
11	DFS	I	Double speed sampling mode signal input from the system controller (IC1201) “L”: normal speed “H”: double speed
12, 13	DEM1, DEM0	I	De-emphasis signal input terminal Not used (fixed at “L”)
14	TVDD	—	Power supply terminal (+5V) (for output buffer)
15	D5V	—	Power supply terminal (+5V) (digital system)
16	DGND	—	Ground terminal (digital system)
17	PD	I	Power down and reset signal input terminal “L”: power down and reset
18	ICKS2	I	Clock select 2 input terminal (fixed at “L” in this set)
19	ICKS1	I	Clock select 1 input terminal (fixed at “H” in this set)
20	ICKS0	I	Clock select 0 input terminal (fixed at “H” in this set)
21	CAD1	I	Chip address 1 input terminal Used during the serial control mode (fixed at “L” in this set)
22	CAD0	I	Chip address 0 input terminal Used during the serial control mode (fixed at “L” in this set)
23	LOUT3	O	L-ch 3 analog output to the select switch (IC1502)
24	ROUT3	O	R-ch 3 analog output to the select switch (IC1502)
25	LOUT2	O	L-ch 2 analog output to the select switch (IC1502)
26	ROUT2	O	R-ch 2 analog output to the select switch (IC1502)
27	LOUT1	O	L-ch 1 analog output to the select switch (IC1502)
28	ROUT1	O	R-ch 1 analog output to the select switch (IC1502)
29	LIN–	I	L-ch analog negative input from the line amp (IC1504)
30	LIN+	I	L-ch analog positive input from the line amp (IC1504)
31	RIN–	I	R-ch analog negative input from the line amp (IC1504)
32	RIN+	I	R-ch analog positive input from the line amp (IC1504)
33	DZF2	O	Zero input detect 2 terminal Not used (open)
34	VCOM	O	Common voltage output terminal Large external capacitor is used to reduce power supply noise
35	VREFH	I	Positive voltage reference input terminal (+5V)
36	A5V	—	Power supply terminal (+5V) (analog system)
37	AGND	—	Ground terminal (analog system)
38	DZF1	O	Zero input detect 1 terminal Not used (open)
39	MCLKI	I	Master clock input from the digital audio interface receiver (IC1101)
40	S/P	I	Parallel or serial select terminal “L”: serial control mode (fixed at “L” in this set)
41	CS	I	Chip select signal input from the system controller (IC1201)
42	CCLK	I	Clock signal input from the system controller (IC1201)
43	CDTI	I	Control signal output to the system controller (IC1201)
44	LOOP1	O	Loop back mode 1 signal output terminal (fixed at “L” in this set)

• **DISPLAY BOARD IC102 MB90553ABPF-G-169-BND (DISPLAY CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1	EQ	O	EQUALIZER indicator (D123) drive signal output terminal “L”: on
2	SUR	O	SURROUND indicator (D122) drive signal output terminal “L”: on
3	LEVEL	O	LEVEL indicator (D119) drive signal output terminal “L”: on
4	NAME	O	NAME indicator (D151) drive signal output terminal “L”: on
5	SETUP	O	SET UP indicator (D152) drive signal output terminal “L”: on
6	VOLUME	O	VOLUME indicator drive signal output terminal “L”: on Not used (open)
7	MUTING	O	MUTING indicator (D101) drive signal output terminal “L”: on
8	NC	—	Not used (open)
9	VOLUP	O	Motor drive signal (volume up direction) output to the volume motor drive (IC105)
10	VOLDOWN	O	Motor drive signal (volume down direction) output to the volume motor drive (IC105)
11	VSS	—	Ground terminal
12	5V CHECK	O	Power check terminal
13	POWER RY	O	Power relay drive signal output terminal “H”: on
14 to 17	NC	—	Not used (fixed at “L”)
18	SIRCS IN	I	SIRCS input from the remote control receiver (IC101)
19	FLASH DATA OUT	O	Serial data output to the system controller (IC1201) (rewrite flash memory)
20	FLASH DATA IN	I	Serial data input from the system controller (IC1201) (rewrite flash memory)
21	FL CLK	O	Clock signal output to the fluorescent display tube
22	FL DATA	O	Serial data output to the fluorescent display tube
23	VCC	—	Power supply terminal (+5V)
24	FL LAT	O	Latch signal output to the FL display driver (IC103)
25	FL CLEAR	O	Clear signal output to the FL display driver (IC103)
26	OSD CLK	O	OSD clock signal output to the select switch (IC2004) (used for STR-DB940 only)
27	C	—	External power regulator capacitor is connected to this terminal
28	OSD DOUT	O	OSD serial data output to the select switch (IC2004) (used for STR-DB940 only)
29	NC	—	Not used (fixed at “L”)
30	NC	—	Not used (open)
31 to 33	NC	—	Not used (fixed at “L”)
34	AVCC	—	Power supply terminal (+5V) (analog system)
35	AVRH	—	Connected to power supply
36	AVRL	—	Connected to ground
37	AVSS	—	Ground terminal (analog system)
38	AD KEY IN 1	I	Key input terminal (A/D input) (S111 to 118)
39	AD KEY IN 2	I	Key input terminal (A/D input) (S121 to 125)
40	AD KEY IN 3	I	Key input terminal (A/D input) (S131 to 137)
41	AD KEY IN 4	I	Key input terminal (A/D input) (S141 to 149)
42	VSS	—	Ground terminal
43	AD KEY IN 5	I	Key input terminal (A/D input) (S151 to 157)
44	AD KEY IN 6	I	Key input terminal (A/D input) (S161 to 165)
45	AD KEY IN 7	I	Key input terminal Not used (fixed at “L”)
46	RDS SIGNAL	I	FM IF signal input from the FM/AM tuner unit (TM301)
47	STOP	I	Stop signal input from the power control (IC1206)
48	NC	—	Not used (fixed at “L”)
49	MD0	I	MD 0 signal input from the system controller (IC1201)
50	MD1	I	MD 1 signal input terminal (fixed at “H” in this set)

Pin No.	Pin Name	I/O	Description
51	MD2	I	MD 2 signal input from the system controller (IC1201)
52	HW STANDBY	I	Hardware standby signal input to the power control (IC1206)
53	RDS CLOCK	I	Clock signal input from the RDS decoder (IC1)
54	RDS DATA	I	Data input from the RDS decoder (IC1)
55	OSD VSYNC	O	Video sync signal output to the video switch (IC2005) (used for STR-DB940 only)
56	OSD VBLK	O	Video clock signal output to the video switch (IC2005) (used for STR-DB940 only)
57	P/N	I	NTSC/PAL select signal input terminal “L”: NTSC (except AEP and UK models) “H”: PAL (AEP and UK models)
58	U-RESET	O	Reset signal output to the system controller (IC1201)
59	U-SREQ	I	Slave request signal and data input from the system controller (IC1201)
60	U-MREQ	O	Master request signal output to the system controller (IC1201)
61	U-DATA	O	Master data output to the system controller (IC1201)
62	U-CLOCK	O	Master clock signal output to the system controller (IC1201)
63	AUBUS-IN	I	Audio bus input terminal
64	SPEAKER-A	I	Speaker A select signal input terminal
65	SPEAKER-B	I	Speaker B select signal input terminal
66	POW-KEY IN	I	Power switch (S150) input terminal “L” is input when this key pressing
67	AUBUS-OUT	O	Audio bus output terminal
68	VERSION IN 1	I	Setting terminal for version 1 input
69	VERSION IN 2	I	Setting terminal for version 2 input
70	VERSION IN 3	I	Setting terminal for version 3 input
71	VERSION IN 4	I	Setting terminal for version 4 input
72	VERSION IN 5	I	Setting terminal for version 5 input
73	VERSION OUT 1	O	Setting terminal for version 1 output
74	VERSION OUT 2	O	Setting terminal for version 2 output
75	JOG-UP	I	Jog dial up input terminal (RV102)
76	JOG-DOWN	I	Jog dial down input terminal (RV102)
77	RESET	I	Reset signal input from the power control (IC1206)
78	FUNCTION UP	I	Function encoder up input terminal (RV101)
79	FUNCTION DOWN	I	Function encoder down input terminal (RV101)
80	NC	—	Not used (fixed at “L”)
81	VSS	—	Ground terminal
82	XO	O	System clock output terminal (16MHz)
83	XI	I	System clock input terminal (16MHz)
84	VCC	—	Power supply terminal (+5V)
85, 86	NC	—	Not used (fixed at “L”)
87	LED CLOCK	I	LED clock signal input from the LED drive (IC106)
88	LED DATA	I	LED data input from the LED drive (IC106)
89	LED CE	I	LED chip enable signal input from the LED drive (IC106)
90	LED CLEAR	I	LED clear signal input from the LED drive (IC106)
91, 92	NC	—	Not used (fixed at “L”)
93	MBUS-V1	I	V1 (M BUS) control signal input from the video select switch (IC253)
94	MBUS-DVD	I	DVD (M BUS) control signal input from the video select switch (IC253)
95	MBUS-TV	I	TV (M BUS) control signal input from the video select switch (IC253)
96	MBUS-STATUS	I	STATUS (M BUS) control signal input from the video select switch (IC253)
97	2WAY	O	Control A1 on/off control for signal output to the SIRCS driver (IC106) (used for STR-DB940 only)

Pin No.	Pin Name	I/O	Description
98	LAT	O	Learning microprocessor latch signal output to the SIRCS driver (IC106) (used for STR-DB940 only)
99	RESET	O	Reset signal output to the SIRCS driver (IC106) (used for STR-DB940 only)
100	OSD LAY	O	Video latch signal output to the video switch (IC2004) (used for STR-DB940 only)

SECTION 5

EXPLODED VIEWS

NOTE:

- Color Indication of Appearance Parts

KNOB, BALANCE (WHITE) . . . (RED)

	Parts Color	Cabinet's Color
1	Black	White
2	Black	White
3	Black	White
4	Black	White
5	Black	White
6	Black	White
7	Black	White
8	Black	White
9	Black	White
10	Black	White
11	Black	White
12	Black	White
13	Black	White
14	Black	White
15	Black	White
16	Black	White
17	Black	White
18	Black	White
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25	Black	White
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27	Black	White
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29	Black	White
30	Black	White
31	Black	White
32	Black	White
33	Black	White
34	Black	White
35	Black	White
36	Black	White
37	Black	White
38	Black	White
39	Black	White
40	Black	White
41	Black	White
42	Black	White
43	Black	White
44	Black	White
45	Black	White
46	Black	White
47	Black	White
48	Black	White
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52	Black	White
53	Black	White
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60	Black	White
61	Black	White
62	Black	White
63	Black	White
64	Black	White
65	Black	White
66	Black	White
67	Black	White
68	Black	White
69	Black	White
70	Black	White
71	Black	White
72	Black	White
73	Black	White
74	Black	White
75	Black	White
76	Black	White
77	Black	White
78	Black	White
79	Black	White
80	Black	White
81	Black	White
82	Black	White
83	Black	White
84	Black	White
85	Black	White
86	Black	White
87	Black	White
88	Black	White
89	Black	White
90	Black	White
91	Black	White
92	Black	White
93	Black	White
94	Black	White
95	Black	White
96	Black	White
97	Black	White
98	Black	White
99	Black	White
100	Black	White

- AUS : Australian model

CND: Canadian model

CND: Canadian model

- The mechanical parts with no reference number in the exploded views are not supplied.

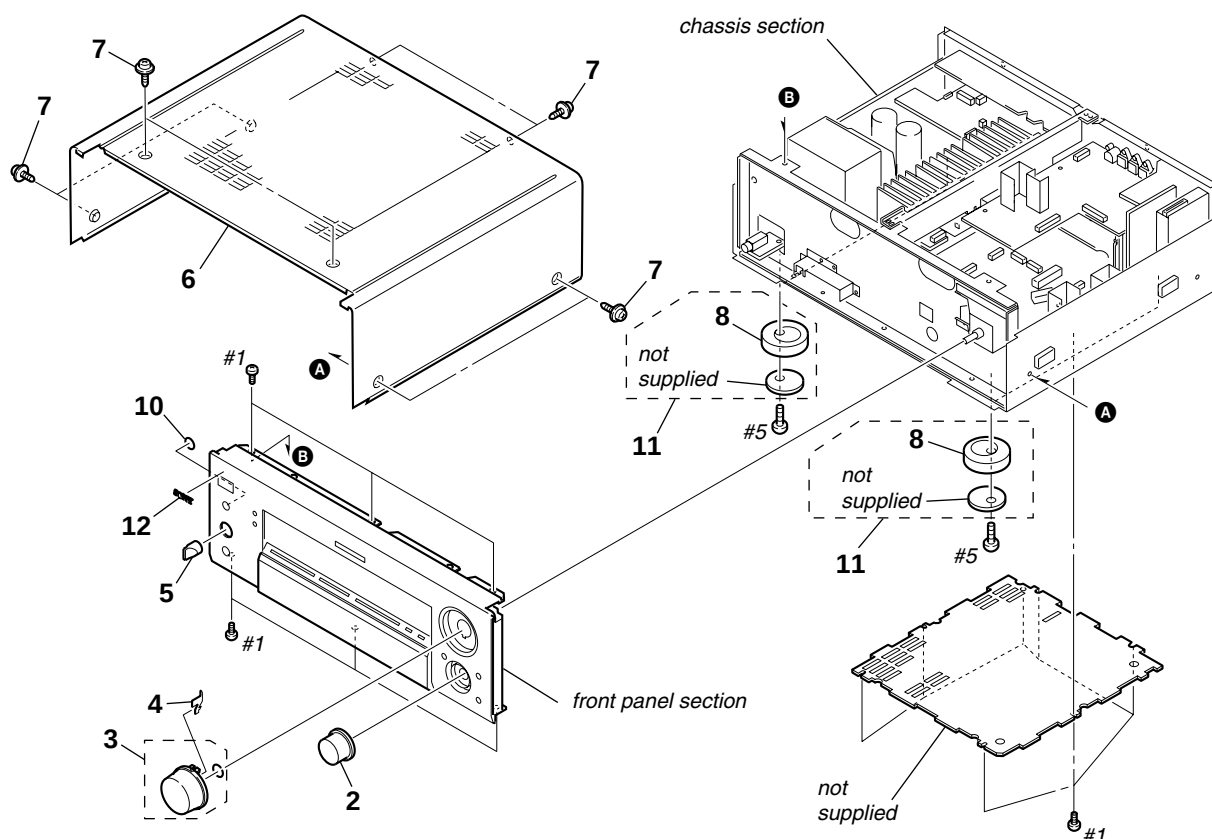
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

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.

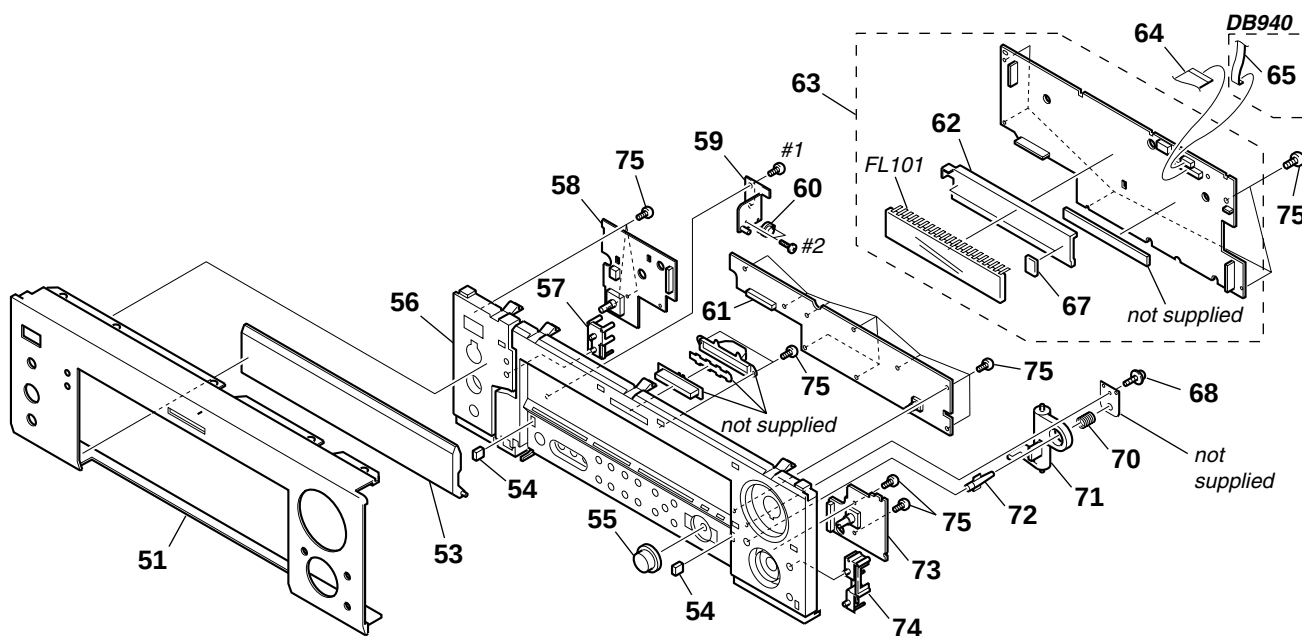
以阴影和 $\triangle$ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

(1) CASE SECTION



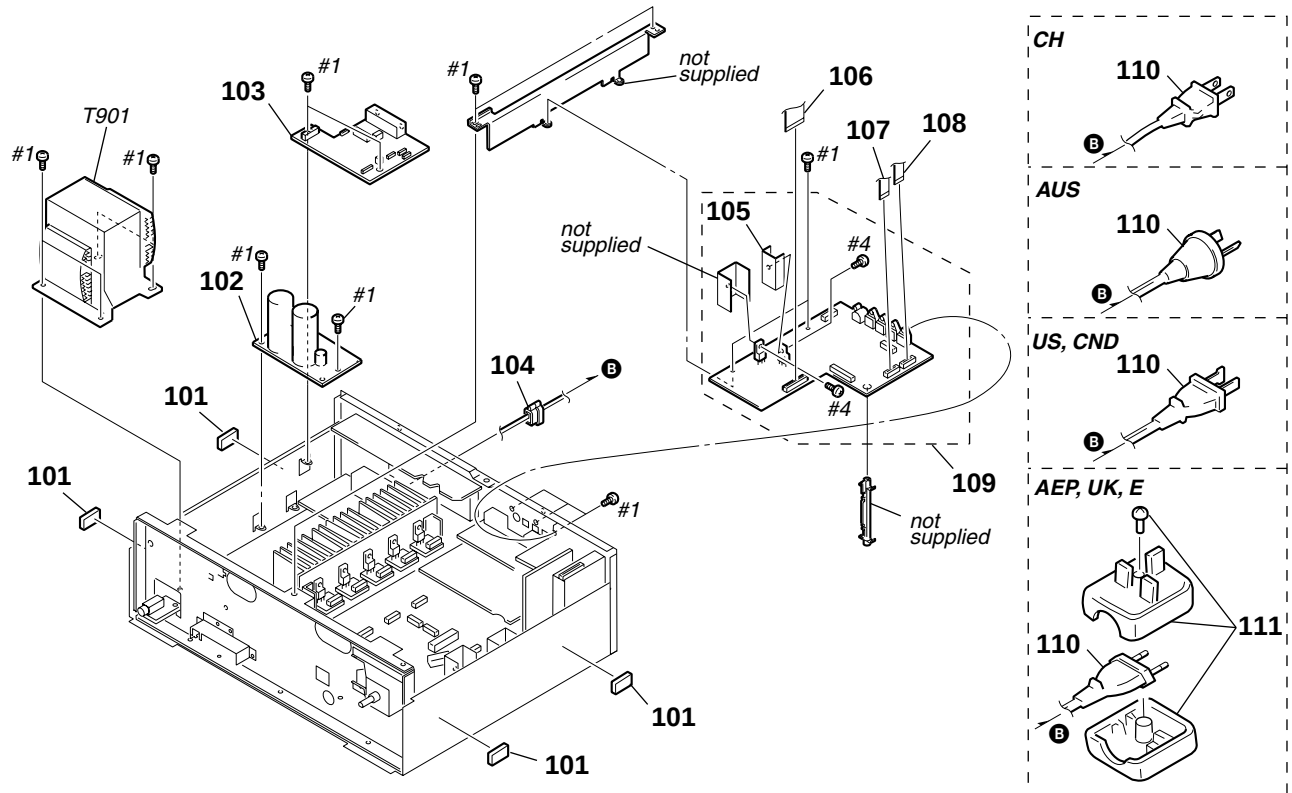
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
2	X-4948-601-1	KNOB (FUNC) ASSY (BLACK) (US, CND, AEP, UK, AUS)		7	4-227-843-01	SCREW (TP), FLAT HEAD (BLACK) (US, CND, AEP, UK, AUS)	
2	X-4948-634-1	KNOB (FUNC) ASSY (E, CH)		7	4-227-843-11	SCREW (TP), FLAT HEAD (SILVER) (AEP, UK, E, AUS, CH)	
2	X-4950-280-1	KNOB (FUNC) ASSY (SILVER) (AEP, UK, AUS)					
3	X-3375-592-1	KNOB (VOL) ASSY (BLACK) (US, CND, AEP, UK, AUS)		8	4-970-123-41	FOOT (F50180S) (US, CND)	
				8	4-970-123-51	FOOT (F50180S) (AEP, UK, AUS)	
3	X-4949-977-1	KNOB (VOL) ASSY (E, CH)		8	4-970-123-61	FOOT (F50180S) (E, CH)	
3	X-4950-340-1	KNOB (VOL) ASSY (SILVER) (AEP, UK, AUS)		10	4-980-776-01	WINDOW, REMOTE CONTROL	
4	4-998-207-11	INDICATOR (VOL)		11	X-4952-818-1	FOOT ASSY (F50180S) (US, CND)	
5	4-957-383-01	KNOB (F14) (BLACK) (US, CND, AEP, UK, AUS)		11	X-4949-523-1	FOOT ASSY (F50180S) (AEP, UK, AUS)	
5	4-957-383-21	KNOB (F14) (E, CH)		11	X-4949-878-1	FOOT ASSY (F50180S) (E, CH)	
5	4-957-383-41	KNOB (F14) (SILVER) (AEP, UK, AUS)		12	4-942-568-41	EMBLEM (NO.5), SONY (BLACK) (US, CND, AEP, UK, AUS)	
* 6	X-4950-431-1	CASE ASSY (BLACK) (US, CND, AEP, UK, AUS)					
* 6	X-4950-432-1	CASE ASSY (SILVER) (AEP, UK, AUS)		12	4-942-568-51	EMBLEM (NO.5), SONY (E, CH)	
* 6	X-4950-437-1	CASE ASSY (CH)		12	4-942-568-61	EMBLEM (NO.5), SONY (SILVER)	
6	X-4952-845-1	CASE ASSY (E)					(AEP, UK, AUS)

(2) FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-227-129-01	PANEL, FRONT (BLACK)		58	1-677-007-11	POWER BOARD	
		(DB940: US, CND, AUS)		59	X-4952-753-1	BRACKET (DAMPER L) ASSY	
51	4-227-129-11	PANEL, FRONT (BLACK) (DB940: AEP, UK)		60	3-973-975-31	DAMPER, OIL	
51	4-227-129-21	PANEL, FRONT (E, CH)		61	1-677-006-11	SW BOARD	
51	4-227-129-41	PANEL, FRONT (DB840: US, CND)		* 62	4-990-797-01	HOLDER (FL)	
51	4-227-129-51	PANEL, FRONT (BLACK) (DB840: AEP, UK)					
				63	A-4428-823-A	DISPLAY BOARD, COMPLETE	
51	4-227-129-61	PANEL, FRONT (SILVER) (DB840: AEP, UK)				(DB840: US, CND)	
51	4-227-129-71	PANEL, FRONT (SILVER) (DB940: AEP, UK)		63	A-4428-824-A	DISPLAY BOARD, COMPLETE	
51	4-227-129-81	PANEL, FRONT (SILVER) (AUS)				(DB840: AEP, UK)	
53	A-4412-120-A	LID ASSY (BLACK) (DB940: US, CND, AUS)		63	A-4428-825-A	DISPLAY BOARD, COMPLETE	
53	A-4412-121-A	LID ASSY (BLACK) (DB940: AEP, UK)				(DB940: US, CND)	
				63	A-4428-826-A	DISPLAY BOARD, COMPLETE (E, AUS, CH)	
53	A-4412-122-A	LID ASSY (E, CH)		63	A-4428-827-A	DISPLAY BOARD, COMPLETE	
53	A-4412-123-A	LID ASSY (BLACK) (DB840: US, CND)				(DB940: AEP, UK)	
53	A-4412-124-A	LID ASSY (BLACK) (DB840: AEP, UK)					
53	A-4412-125-A	LID ASSY (SILVER) (AEP, UK)		64	1-773-185-11	WIRE (FLAT TYPE) (23 CORE) (19cm)	
53	A-4412-240-A	LID ASSY (SILVER) (AUS)				(US, CND, E, AUS, CH)	
				64	1-773-194-11	WIRE (FLAT TYPE) (23 CORE) (29cm)	
						(AEP, UK)	
54	3-736-779-41	MAGNET (BLACK) (US, CND, AEP, UK, AUS)		65	1-590-486-11	WIRE (FLAT TYPE) (7 CORE) (DB940)	
54	3-736-779-71	MAGNET (SILVER) (AEP, UK, AUS)		* 67	4-921-941-01	CUSHION (FL)	
54	3-736-779-81	MAGNET (E, CH)		68	4-917-583-71	BRACKET, YOKE	
55	4-217-729-01	KNOB (JOG) (BLACK)					
		(US, CND, AEP, UK, AUS)		70	4-227-150-01	SPRING, COMPRESSION	
55	4-217-729-11	KNOB (JOG) (E, CH)		71	4-227-143-01	LEVER (OPEN) (BLACK)	
						(US, CND, AEP, UK, AUS)	
55	4-217-729-21	KNOB (JOG) (SILVER) (AEP, UK, AUS)		71	4-227-143-11	LEVER (OPEN) (E, CH)	
56	X-3378-814-1	BASE ASSY, PANEL (SILVER)		71	4-227-143-21	LEVER (OPEN) (SILVER) (AEP, UK, AUS)	
		(DB940: AEP, UK)		72	4-227-142-01	BUTTON (OPEN) (BLACK)	
56	X-4952-698-1	BASE ASSY, PANEL (DB940: US, CND, AUS)				(US, CND, AEP, UK, AUS)	
56	X-4952-699-1	BASE ASSY, PANEL (BLACK) (DB940: AEP, UK)					
56	X-4952-700-1	BASE ASSY, PANEL (E, CH)					
				72	4-227-142-11	BUTTON (OPEN) (E, CH)	
56	X-4952-701-1	BASE ASSY, PANEL (DB840: US, CND)		72	4-227-142-21	BUTTON (OPEN) (SILVER) (AEP, UK, AUS)	
56	X-4952-702-1	BASE ASSY, PANEL (BLACK) (DB840: AEP, UK)		73	1-677-008-11	MUTING BOARD	
56	X-4952-752-1	BASE ASSY, PANEL (SILVER)		74	X-4952-765-1	BUTTON (MUTING) ASSY (BLACK)	
		(DB840: AEP, UK)				(US, CND, AEP, UK, AUS)	
56	X-4952-969-1	BASE ASSY, PANEL (SILVER) (AUS)		74	X-4952-766-1	BUTTON (MUTING) ASSY (E, CH)	
57	4-227-138-01	BUTTON (DISPLAY) (BLACK)					
		(US, CND, AEP, UK, AUS)		74	X-4952-767-1	BUTTON (MUTING) ASSY (SILVER)	
						(AEP, UK, AUS)	
57	4-227-138-11	BUTTON (DISPLAY) (E, CH)		75	4-951-620-01	SCREW (2.6X8), +BVTP	
57	4-227-138-21	BUTTON (DISPLAY) (SILVER) (AEP, UK, AUS)		FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT	

(3) CHASSIS SECTION-1



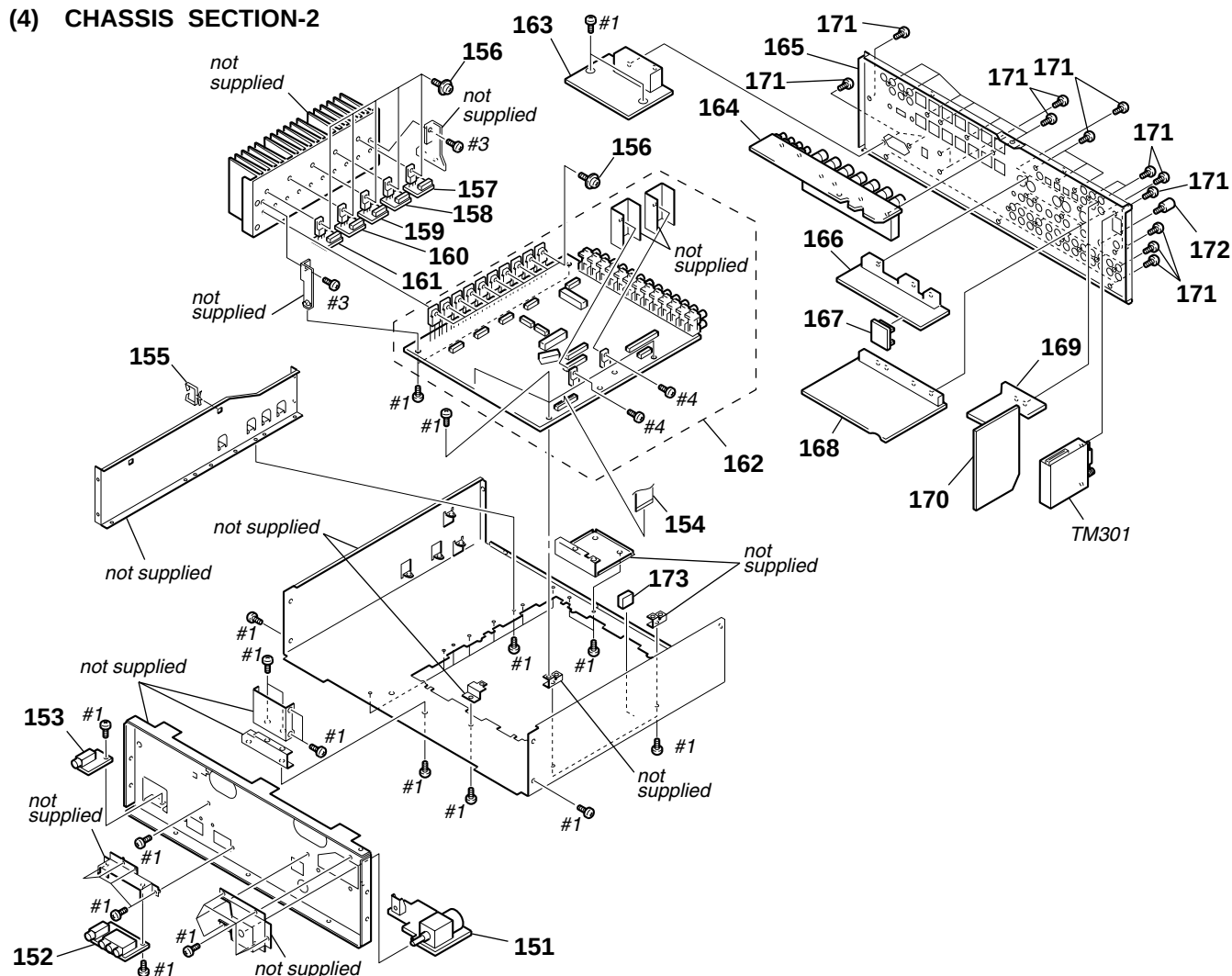
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

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

以阴影和 $\triangle$ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-985-642-01	CUSHION		109	A-4428-864-A	DIGITAL BOARD, COMPLETE (E, AUS, CH)	
102	1-676-988-11	DC (1) BOARD		109	A-4428-865-A	DIGITAL BOARD, COMPLETE (DB940: AEP, UK)	
103	1-676-989-11	DC (2) BOARD		$\triangle$ 110	1-696-847-11	CORD, POWER (AUS)	
* 104	3-703-244-00	BUSHING (2104), CORD		$\triangle$ 110	1-769-743-11	CORD, POWER (CND)	
* 105	3-309-144-21	HEAT SINK		$\triangle$ 110	1-769-744-11	CORD, POWER (AEP, UK, E)	
106	1-773-150-11	WIRE (FLAT TYPE) (21 CORE) (160mm)		$\triangle$ 110	1-782-464-21	CORD, POWER (CH)	
107	1-773-004-11	WIRE (FLAT TYPE) (15 CORE) (100mm)		$\triangle$ 110	1-783-820-11	CORD, POWER (US)	
108	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (70mm)		$\triangle$ 111	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
109	A-4428-861-A	DIGITAL BOARD, COMPLETE		$\triangle$ T901	1-435-423-11	TRANSFORMER, POWER (AUS)	
		(DB840: US, CND)		$\triangle$ T901	1-435-424-11	TRANSFORMER, POWER (AEP, UK, E, CH)	
109	A-4428-862-A	DIGITAL BOARD, COMPLETE (DB840: AEP, UK)		$\triangle$ T901	1-435-425-11	TRANSFORMER, POWER (CND)	
109	A-4428-863-A	DIGITAL BOARD, COMPLETE		$\triangle$ T901	1-435-426-11	TRANSFORMER, POWER (US)	
		(DB940: US, CND)					

(4) CHASSIS SECTION-2



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	1-677-009-11	VOL BOARD		165	4-227-151-71	PANEL, BACK (DB840: US)	
152	1-677-010-11	VIDEO 3 BOARD		165	4-227-151-81	PANEL, BACK (DB840: AEP, UK)	
153	1-677-011-11	H.P BOARD		165	4-227-151-91	PANEL, BACK (DB840: CND)	
154	1-757-016-11	WIRE (FLAT TYPE WITH SHIELD) (23 CORE) (19cm)		166	A-4428-851-A	S-VIDEO BOARD, COMPLETE (DB840: US, CND)	
155	4-309-753-21	HOLDER, WIRE		166	A-4428-852-A	S-VIDEO BOARD, COMPLETE (DB840: AEP, UK)	
156	3-905-609-11	SCREW (TRANSISTOR)		166	A-4428-853-A	S-VIDEO BOARD, COMPLETE (DB940: US, CND)	
157	1-676-983-11	BIAS (L) BOARD		166	A-4428-854-A	S-VIDEO BOARD, COMPLETE (DB940: AEP, UK, E, AUS, CH)	
158	1-676-985-11	BIAS (C) BOARD		167	1-677-040-11	JOINT (1) (Q) BOARD (DB840)	
159	1-676-984-11	BIAS (R) BOARD		167	1-677-043-11	JOINT (2) (Q) BOARD (DB940)	
160	1-676-987-11	BIAS (RS) BOARD		168	A-4428-858-A	OSD BOARD, COMPLETE (DB940: US, CND)	
161	1-676-986-11	BIAS (LS) BOARD		168	A-4428-859-A	OSD BOARD, COMPLETE (DB940: AEP, UK, E, AUS, CH)	
162	A-4428-876-A	MAIN BOARD, COMPLETE (DB840: US)		168	1-676-994-11	VIDEO BOARD (DB840)	
162	A-4428-877-A	MAIN BOARD, COMPLETE (DB840: AEP, UK)		169	1-676-982-11	5.1 IN BOARD	
162	A-4428-878-A	MAIN BOARD, COMPLETE (DB940: US)		170	A-4428-871-A	AU SW BOARD, COMPLETE (DB840)	
162	A-4428-879-A	MAIN BOARD, COMPLETE (DB940: CND)		170	A-4428-872-A	AU SW BOARD, COMPLETE (DB940: US, CND, E, AUS, CH)	
162	A-4428-880-A	MAIN BOARD, COMPLETE (E, AUS, CH)		170	A-4428-873-A	AU SW BOARD, COMPLETE (DB940: AEP, UK)	
162	A-4428-881-A	MAIN BOARD, COMPLETE (DB940: AEP, UK)		171	3-704-515-21	SCREW (BV/RING)	
162	A-4428-936-A	MAIN BOARD, COMPLETE (DB840: CND)		172	4-947-010-01	SCREW (FEEDER FIXED)	
163	1-676-990-11	AC BOARD		173	4-215-971-01	CUSHION (FOOT)	
164	1-676-991-11	SP BOARD		TM301	1-693-407-23	TUNER (US, CND)	
165	4-227-151-01	PANEL, BACK (DB940: US)		TM301	1-693-409-23	TUNER (EXCEPT US, CND)	
165	4-227-151-11	PANEL, BACK (DB940: CND)					
165	4-227-151-21	PANEL, BACK (E)					
165	4-227-151-31	PANEL, BACK (CH)					
165	4-227-151-41	PANEL, BACK (AUS)					
165	4-227-151-51	PANEL, BACK (DB940: AEP, UK)					

5.1 IN **AC**

- 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

63

AU SW

Ref. No.	Part No.	Description	Remark		
	A-4428-871-A	AU SW BOARD, COMPLETE (DB840)			
	A-4428-872-A	AU SW BOARD, COMPLETE (DB940: US, CND, E, AUS, CH)			
	A-4428-873-A	AU SW BOARD, COMPLETE (DB940: AEP, UK)			

< CAPACITOR >					
C1503	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1504	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1505	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1512	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1521	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1524	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1525	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1526	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1527	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1528	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1529	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1530	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1531	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1533	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1535	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1537	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1539	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1540	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1541	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C1543	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1543	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1546	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1546	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1548	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1548	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1550	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1550	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1552	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1552	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1554	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1554	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1560	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1560	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1561	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1561	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1562	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)

Ref. No.	Part No.	Description	Remark		
C1562	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1563	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1563	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1564	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1564	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
C1565	1-119-825-41	ELECT	22uF	20%	50V (DB940: AEP, UK)
C1565	1-128-858-11	ELECT	22uF	20%	50V (EXCEPT DB940: AEP, UK)
< CONNECTOR >					
CNP10	1-784-927-11	PIN, CONNECTOR 12P			
CNP11	1-764-867-41	CONNECTOR, BOARD TO BOARD 20P			
CNP12	1-695-088-11	PIN, CONNECTOR (PC BOARD) 9P			
CNP13	1-784-921-11	PIN, CONNECTOR 4P (DB940)			
< DIODE >					
D1501	8-719-820-05	DIODE	1SS181-TE85L		
D1504	8-719-820-05	DIODE	1SS181-TE85L		
D1505	8-719-820-05	DIODE	1SS181-TE85L		
< IC >					
IC1502	8-759-590-10	IC	TC9273F-012 (EL)		
IC1505	8-759-099-06	IC	M5218AFP-TE1		
IC1506	8-759-099-06	IC	M5218AFP-TE1		
IC1507	8-759-099-06	IC	M5218AFP-TE1		
IC1508	8-759-099-06	IC	M5218AFP-TE1		
IC1509	8-759-099-06	IC	M5218AFP-TE1		
IC1510	8-759-099-06	IC	M5218AFP-TE1		
< TRANSISTOR >					
Q1501	8-729-422-29	TRANSISTOR	2SC3624A-T1L15		
Q1502	8-729-422-29	TRANSISTOR	2SC3624A-T1L15		
Q1503	8-729-422-29	TRANSISTOR	2SC3624A-T1L15		
Q1504	8-729-422-29	TRANSISTOR	2SC3624A-T1L15		
Q1505	8-729-422-29	TRANSISTOR	2SC3624A-T1L15		
Q1506	8-729-422-29	TRANSISTOR	2SC3624A-T1L15		
Q1507	8-729-027-23	TRANSISTOR	RT1P141C-TP-1		
< RESISTOR >					
R1501	1-216-295-00	SHORT	0 (DB840)		
R1502	1-216-295-00	SHORT	0 (DB840)		
R1504	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1505	1-216-295-00	SHORT	0		
R1508	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1509	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1510	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1512	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1513	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1514	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1515	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1516	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1517	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1528	1-216-033-00	METAL CHIP	220	5%	1/10W

AU SW						BIAS (C)		BIAS (L)		BIAS (LS)		BIAS (R)	
Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark				
R1529	1-216-033-00	METAL CHIP	220	5%	1/10W	< RESISTOR >							
R1530	1-216-033-00	METAL CHIP	220	5%	1/10W	R621	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1532	1-216-085-00	METAL CHIP	33K	5%	1/10W	R622	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1533	1-216-089-00	RES-CHIP	47K	5%	1/10W	R623	1-249-442-11	CARBON	510	5%	1/4W		
R1534	1-216-089-00	RES-CHIP	47K	5%	1/10W	*****							
R1535	1-216-089-00	RES-CHIP	47K	5%	1/10W	1-676-983-11 BIAS (L) BOARD							

R1537	1-216-085-00	METAL CHIP	33K	5%	1/10W	< CAPACITOR >							
R1538	1-216-089-00	RES-CHIP	47K	5%	1/10W	C520	1-119-799-11	ELECT	47uF	20%	16V		
R1539	1-216-097-00	RES-CHIP	100K	5%	1/10W							(DB940: AEP, UK)	
R1541	1-216-085-00	METAL CHIP	33K	5%	1/10W	C520	1-128-840-11	ELECT	47uF	20%	16V		
R1542	1-216-089-00	RES-CHIP	47K	5%	1/10W							(EXCEPT DB940: AEP, UK)	
R1543	1-216-081-00	METAL CHIP	22K	5%	1/10W	< TRANSISTOR >							
R1545	1-216-085-00	METAL CHIP	33K	5%	1/10W	Q505	8-729-026-08	TRANSISTOR	2SC4495				
R1546	1-216-089-00	RES-CHIP	47K	5%	1/10W	< RESISTOR >							
R1547	1-216-097-00	RES-CHIP	100K	5%	1/10W	R521	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1549	1-216-085-00	METAL CHIP	33K	5%	1/10W	R522	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1550	1-216-089-00	RES-CHIP	47K	5%	1/10W	R523	1-249-442-11	CARBON	510	5%	1/4W		
R1551	1-216-089-00	RES-CHIP	47K	5%	1/10W	*****							
R1553	1-216-085-00	METAL CHIP	33K	5%	1/10W	1-676-986-11 BIAS (LS) BOARD							
R1554	1-216-089-00	RES-CHIP	47K	5%	1/10W	*****							
R1556	1-216-081-00	METAL CHIP	22K	5%	1/10W	< CAPACITOR >							
R1559	1-216-089-00	RES-CHIP	47K	5%	1/10W	C720	1-119-799-11	ELECT	47uF	20%	16V		
R1560	1-216-097-00	RES-CHIP	100K	5%	1/10W							(DB940: AEP, UK)	
R1561	1-216-097-00	RES-CHIP	100K	5%	1/10W	C720	1-128-840-11	ELECT	47uF	20%	16V		
R1562	1-216-097-00	RES-CHIP	100K	5%	1/10W							(EXCEPT DB940: AEP, UK)	
R1563	1-216-097-00	RES-CHIP	100K	5%	1/10W	< TRANSISTOR >							
R1564	1-216-097-00	RES-CHIP	100K	5%	1/10W	Q705	8-729-026-08	TRANSISTOR	2SC4495				
R1565	1-216-097-00	RES-CHIP	100K	5%	1/10W	< RESISTOR >							
R1567	1-216-097-00	RES-CHIP	100K	5%	1/10W	R721	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1568	1-216-081-00	METAL CHIP	22K	5%	1/10W	R722	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1569	1-216-097-00	RES-CHIP	100K	5%	1/10W	R723	1-249-442-11	CARBON	510	5%	1/4W		
R1578	1-216-033-00	METAL CHIP	220	5%	1/10W	*****							
R1579	1-216-033-00	METAL CHIP	220	5%	1/10W	1-676-984-11 BIAS (R) BOARD							
R1580	1-216-033-00	METAL CHIP	220	5%	1/10W	*****							
R1581	1-216-081-00	METAL CHIP	22K	5%	1/10W	< CAPACITOR >							
R1582	1-216-089-00	RES-CHIP	47K	5%	1/10W	C570	1-119-799-11	ELECT	47uF	20%	16V		
R1583	1-216-097-00	RES-CHIP	100K	5%	1/10W							(DB940: AEP, UK)	
R1584	1-216-089-00	RES-CHIP	47K	5%	1/10W	C570	1-128-840-11	ELECT	47uF	20%	16V		
R1585	1-216-081-00	METAL CHIP	22K	5%	1/10W							(EXCEPT DB940: AEP, UK)	
R1594	1-216-073-00	METAL CHIP	10K	5%	1/10W	< TRANSISTOR >							
R1595	1-216-073-00	METAL CHIP	10K	5%	1/10W	Q555	8-729-026-08	TRANSISTOR	2SC4495				
R1596	1-216-073-00	METAL CHIP	10K	5%	1/10W	< RESISTOR >							
R1597	1-216-073-00	METAL CHIP	10K	5%	1/10W	R571	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1598	1-216-073-00	METAL CHIP	10K	5%	1/10W	R572	1-247-843-11	CARBON	3.3K	5%	1/4W		
R1599	1-216-073-00	METAL CHIP	10K	5%	1/10W	R573	1-249-442-11	CARBON	510	5%	1/4W		
*****						*****							
	1-676-985-11	BIAS (C) BOARD				*****							
						< CAPACITOR >							
C620	1-119-799-11	ELECT	47uF	20%	16V	< TRANSISTOR >							
						(DB940: AEP, UK)							
C620	1-128-840-11	ELECT	47uF	20%	16V	< RESISTOR >							
						(EXCEPT DB940: AEP, UK)							
						R571	1-247-843-11	CARBON	3.3K	5%	1/4W		
						R572	1-247-843-11	CARBON	3.3K	5%	1/4W		
						R573	1-249-442-11	CARBON	510	5%	1/4W		
Q605	8-729-026-08	TRANSISTOR	2SC4495	*****									

BIAS (RS)	DC (1)	DC (2)
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Ref. No.	Part No.	Description	Remark			
	1-676-987-11	BIAS (RS) BOARD *****				
		< CAPACITOR >				
C770	1-119-799-11	ELECT	47uF	20%	16V	(DB940: AEP, UK)
C770	1-128-840-11	ELECT	47uF	20%	16V	(EXCEPT DB940: AEP, UK)
		< TRANSISTOR >				
Q755	8-729-026-08	TRANSISTOR	2SC4495			
		< RESISTOR >				
R771	1-247-843-11	CARBON	3.3K	5%	1/4W	
R772	1-247-843-11	CARBON	3.3K	5%	1/4W	
R773	1-249-442-11	CARBON	510	5%	1/4W	

	1-676-988-11	DC (1) BOARD *****				
	1-533-217-31	HOLDER, FUSE				
		< CAPACITOR >				
C803	1-125-895-11	ELECT	12000uF	20%	71V	(DB840)
C803	1-135-628-11	ELECT (BLOCK)	15000uF	20%	71V	(DB940)
C804	1-125-895-11	ELECT	12000uF	20%	71V	(DB840)
C804	1-135-628-11	ELECT (BLOCK)	15000uF	20%	71V	(DB940)
C805	1-130-781-00	MYLAR	0.22uF	5%	100V	
C806	1-130-781-00	MYLAR	0.22uF	5%	100V	
		< CONNECTOR >				
CNP802	1-785-102-11	PIN, CONNECTOR 4P				
		< DIODE >				
D801	8-719-072-05	DIODE RBV-602LF-A				
		< FUSE >				
△F801	1-533-311-11	FUSE, GLASS CYLINDRICAL (DIA.5)	8A	125V		
△F802	1-533-311-11	FUSE, GLASS CYLINDRICAL (DIA.5)	8A	125V		

	1-676-989-11	DC (2) BOARD *****				
	1-533-217-31	HOLDER, FUSE				
		< CAPACITOR >				
C801	1-104-664-11	ELECT	47uF	20%	25V	
C807	1-107-935-11	ELECT	330uF	20%	100V	
C808	1-126-967-11	ELECT	47uF	20%	50V	
C809	1-126-967-11	ELECT	47uF	20%	50V	

Ref. No.	Part No.	Description	Remark			
C811	1-119-815-21	ELECT	2200uF	20%	35V (DB940)	
C811	1-127-732-51	ELECT MELF	2200uF	20%	35V (DB840)	
C812	1-119-814-21	ELECT	1000uF	20%	35V (DB940)	
C812	1-127-731-51	ELECT MELF	1000uF	20%	35V (DB840)	
C813	1-119-796-21	ELECT	4700uF	20%	16V (DB940)	
C813	1-127-723-51	ELECT MELF	4700uF	20%	16V (DB840)	
C851	1-136-153-00	FILM	0.01uF	5%	50V	
C852	1-136-153-00	FILM	0.01uF	5%	50V	
C853	1-136-153-00	FILM	0.01uF	5%	50V	
C854	1-136-153-00	FILM	0.01uF	5%	50V	
< CONNECTOR >						
CNP803	1-785-103-21	PIN, CONNECTOR 5P				
CNP804	1-785-101-11	PIN, CONNECTOR 3P				
CNP805	1-785-103-11	PIN, CONNECTOR 5P				
CNP807	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P				
* CNP808	1-564-506-11	PLUG, CONNECTOR 3P				
CNP809	1-784-921-11	PIN, CONNECTOR 4P				
* CNP810	1-564-506-11	PLUG, CONNECTOR 3P				
< DIODE >						
D802	8-719-024-99	DIODE	11ES2-NTA2B			
D803	8-719-024-99	DIODE	11ES2-NTA2B			
D804	8-719-024-99	DIODE	11ES2-NTA2B			
D805	8-719-024-99	DIODE	11ES2-NTA2B			
D806	8-719-024-99	DIODE	11ES2-NTA2B			
D807	8-719-024-99	DIODE	11ES2-NTA2B			
D808	8-719-024-99	DIODE	11ES2-NTA2B			
D809	8-719-024-99	DIODE	11ES2-NTA2B			
D810	8-719-982-23	DIODE	MTZJ-T-72-33			
D811	8-719-024-99	DIODE	11ES2-NTA2B			
D812	8-719-024-99	DIODE	11ES2-NTA2B			
D813	8-719-118-63	DIODE	RD5.6F-T7B2			
< FUSE >						
△ F803	1-532-504-51	FUSE	T4AL	250V	(EXCEPT US, CND)	
△ F803	1-533-419-11	FUSE, GLASS CYLINDRICAL	(DIA.5)	4A	125V (US, CND)	
△ F804	1-532-504-51	FUSE	T4AL	250V	(EXCEPT US, CND)	
△ F804	1-533-419-11	FUSE, GLASS CYLINDRICAL	(DIA.5)	4A	125V (US, CND)	
△ F805	1-532-504-51	FUSE	T4AL	250V	(EXCEPT US, CND)	
△ F805	1-533-419-11	FUSE, GLASS CYLINDRICAL	(DIA.5)	4A	125V (US, CND)	
< TRANSISTOR >						
Q801	8-729-051-94	TRANSISTOR	2SD1863TV2			

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.	以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。
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Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
< RESISTOR >							C1157	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1201	1-119-824-11	ELECT MELF	10uF	20%	50V	
△ R801	1-247-727-11	CARBON	10	5%	1/2W	F	C1202	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
△ R802	1-249-401-11	CARBON	47	5%	1/4W	F	C1203	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
R803	1-249-429-11	CARBON	10K	5%	1/4W		C1204	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
R804	1-249-433-11	CARBON	22K	5%	1/4W								
< SWITCH >							C1205	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1206	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
							C1207	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
S801	1-771-876-11	SWITCH, POWER (IMPEDANCE SELECTOR)					C1208	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
*****							C1209	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
	A-4428-861-A	DIGITAL BOARD, COMPLETE					C1210	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
					(DB840: US, CND)		C1211	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
	A-4428-862-A	DIGITAL BOARD, COMPLETE (DB840: AEP, UK)					C1212	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
	A-4428-863-A	DIGITAL BOARD, COMPLETE					C1213	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
					(DB940: US, CND)		C1214	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	
	A-4428-864-A	DIGITAL BOARD, COMPLETE (E, AUS, CH)											
	A-4428-865-A	DIGITAL BOARD, COMPLETE (DB940: AEP, UK)					C1215	1-119-793-11	ELECT	1000uF	20%	16V	
		*****										(DB940)	
							C1215	1-127-720-91	ELECT MELF	470uF	20%	16V	
*	3-309-144-21	HEAT SINK (DB940)										(DB840)	
	7-685-872-09	SCREW +BVTT 3X8 (S)					C1216	1-127-720-91	ELECT MELF	470uF	20%	16V	
												(DB840)	
< CAPACITOR >							C1216	1-131-658-11	ELECT	1000uF	20%	63V	
												(DB940)	
C1	1-163-263-11	CERAMIC CHIP	330PF	5%	50V	(AEP, UK)	C1217	1-126-935-11	ELECT	470uF	20%	16V	
C2	1-119-821-11	ELECT MELF	2.2uF	20%	50V	(AEP, UK)	C1218	1-126-959-11	ELECT	0.47uF	20%	50V	
C3	1-119-824-11	ELECT MELF	10uF	20%	50V	(DB840: AEP, UK)	C1219	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C3	1-119-824-31	ELECT	10uF	20%	50V	(DB940: AEP, UK)	C1220	1-126-957-11	ELECT	0.22uF	20%	50V	
C4	1-165-319-11	CERAMIC CHIP	0.1uF		50V	(AEP, UK)	C1221	1-119-824-11	ELECT MELF	10uF	20%	50V	
							C1222	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C5	1-163-135-00	CERAMIC CHIP	560PF	5%	50V	(AEP, UK)	C1223	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C6	1-163-249-11	CERAMIC CHIP	82PF	5%	50V	(AEP, UK)	C1224	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C7	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	(AEP, UK)	C1225	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1001	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1226	1-126-960-11	ELECT	1uF	20%	50V	
C1002	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1228	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
C1003	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C1004	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C1005	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1229	1-126-935-11	ELECT	470uF	20%	16V	
C1006	1-128-834-11	ELECT	470uF	20%	10V		C1230	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1007	1-128-858-11	ELECT	22uF	20%	50V		C1231	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1008	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1232	1-119-792-21	ELECT	470uF	20%	16V	
C1010	1-163-217-11	CERAMIC CHIP	1PF	0.25PF	50V							(DB940: AEP, UK)	
C1020	1-163-243-11	CERAMIC CHIP	47PF	5%	50V		C1232	1-127-720-91	ELECT MELF	470uF	20%	16V	
C1101	1-165-319-11	CERAMIC CHIP	0.1uF		50V							(EXCEPT DB940: AEP, UK)	
C1102	1-128-840-11	ELECT	47uF	20%	16V								
C1103	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1233	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V	
C1104	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		C1234	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	
C1105	1-128-840-11	ELECT	47uF	20%	16V		C1235	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	100V	
C1106	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1236	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1107	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		C1237	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1108	1-165-319-11	CERAMIC CHIP	0.1uF		50V								
C1109	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		C1238	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1110	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1239	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1111	1-165-319-11	CERAMIC CHIP	0.1uF		50V		C1301	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C1156	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V		C1302	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V	
							C1303	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1304	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1305	1-128-840-11	ELECT	47uF	20%	16V	
							C1306	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	
							C1307	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1309	1-128-832-11	ELECT	220uF	20%	10V	
							C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1311	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
							C1312	1-165-319-11	CERAMIC CHIP	0.1uF		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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

DIGITAL

Ref. No.	Part No.	Description	Remark
C1313	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1314	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1315	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V
C1401	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1402	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1403	1-163-275-11	CERAMIC CHIP 0.001uF 5%	50V
C1404	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1405	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1406	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1407	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1408	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1409	1-128-840-11	ELECT 47uF 20%	16V
C1410	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1411	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1412	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1413	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1414	1-128-840-11	ELECT 47uF 20%	16V
C1416	1-128-840-11	ELECT 47uF 20%	16V
C1417	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1501	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1502	1-131-658-11	ELECT 1000uF 20%	63V (DB940)
C1502	1-127-720-91	ELECT MELF 470uF 20%	16V (DB840)
C1506	1-119-824-11	ELECT MELF 10uF 20%	50V
C1508	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1509	1-119-799-11	ELECT 47uF 20%	16V (DB940: AEP, UK)
C1509	1-128-840-11	ELECT 47uF 20%	16V (EXCEPT DB940: AEP, UK)
C1513	1-119-824-11	ELECT MELF 10uF 20%	50V
C1514	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1515	1-119-824-11	ELECT MELF 10uF 20%	50V (EXCEPT DB940: AEP, UK)
C1515	1-119-824-31	ELECT 10uF 20%	50V (DB940: AEP, UK)
C1516	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1518	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1519	1-164-505-11	CERAMIC CHIP 2.2uF	16V
C1522	1-119-825-41	ELECT 22uF 20%	50V (DB940: AEP, UK)
C1522	1-128-858-11	ELECT 22uF 20%	50V (EXCEPT DB940: AEP, UK)
C1523	1-106-347-00	MYLAR 1500PF 5%	200V
C1544	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1570	1-119-824-11	ELECT MELF 10uF 20%	50V (EXCEPT DB940: AEP, UK)
C1570	1-119-824-31	ELECT 10uF 20%	50V (DB940: AEP, UK)
C1571	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1572	1-119-825-41	ELECT 22uF 20%	50V (DB940: AEP, UK)
C1572	1-128-858-11	ELECT 22uF 20%	50V (EXCEPT DB940: AEP, UK)
C1573	1-106-347-00	MYLAR 1500PF 5%	200V
C3118	1-163-233-11	CERAMIC CHIP 18PF 5%	50V
C3119	1-163-233-11	CERAMIC CHIP 18PF 5%	50V

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNP4	1-784-923-11	PIN, CONNECTOR 7P	
CNP7	1-784-927-11	PIN, CONNECTOR 12P	
		< CONNECTOR >	
CNS1	1-784-776-11	CONNECTOR, FFC 15P	
CNS2	1-784-778-11	CONNECTOR, FFC 17P (E, AUS, CH)	
CNS2	1-784-782-11	CONNECTOR, FFC 21P (US, CND)	
CNS2	1-784-784-11	CONNECTOR, FFC 23P (AEP, UK)	
CNS5	1-784-782-11	CONNECTOR, FFC 21P	
CNS6	1-784-776-11	CONNECTOR, FFC 15P	
		< DIODE >	
D1001	8-719-016-74	DIODE 1SS352-TPH3	
D1101	8-719-016-74	DIODE 1SS352-TPH3	
D1201	8-719-016-74	DIODE 1SS352-TPH3	
D1202	8-719-016-74	DIODE 1SS352-TPH3	
D1203	8-719-016-74	DIODE 1SS352-TPH3	
D1204	8-719-801-78	DIODE 1SS184-TE85L	
D1205	8-719-801-78	DIODE 1SS184-TE85L	
D1206	8-719-016-74	DIODE 1SS352-TPH3	
D1207	8-719-016-74	DIODE 1SS352-TPH3	
D1208	8-719-053-18	DIODE 1SR154-400TE-25	
D1209	8-719-801-78	DIODE 1SS184-TE85L	
D1210	8-719-016-74	DIODE 1SS352-TPH3	
D1211	8-719-053-18	DIODE 1SR154-400TE-25	
D1212	8-719-016-74	DIODE 1SS352-TPH3	
		< FERRITE BEAD >	
FB1	1-469-152-11	FERRITE BEAD (AEP, UK)	
FB1101	1-469-152-11	FERRITE BEAD	
FB1102	1-469-152-11	FERRITE BEAD	
FB1103	1-469-152-11	FERRITE BEAD	
FB1104	1-414-598-11	FERRITE BEAD	
FB1105	1-414-598-11	FERRITE BEAD	
FB1301	1-469-152-11	FERRITE BEAD	
FB1302	1-469-152-11	FERRITE BEAD	
FB1401	1-469-152-11	FERRITE BEAD	
FB1402	1-414-598-11	FERRITE BEAD	
FB1403	1-414-598-11	FERRITE BEAD	
FB1404	1-414-598-11	FERRITE BEAD	
FB1405	1-469-152-11	FERRITE BEAD	
FB1501	1-469-152-11	FERRITE BEAD	
FB1502	1-469-152-11	FERRITE BEAD	
		< IC >	
IC1	8-759-557-36	IC BU1924F-E2 (AEP, UK)	
IC1001	8-749-017-36	IC TORX-179 (DVD/LD IN)	
IC1002	8-749-923-05	IC TORX178A (TV/SAT IN)	
IC1003	8-749-923-05	IC TORX178A (MD/DAT IN)	
IC1004	8-749-923-04	IC TOTX178A (MD/DAT OUT)	
IC1005	8-759-595-15	IC TC74ACT153AF (EL)	
IC1007	8-759-242-70	IC TC7WU04F (TE12R)	
IC1101	8-759-639-35	IC LC89055W-RA8	
IC1201	8-759-680-64	IC MB90573PFV-G-296-BND	
IC1202	8-759-186-30	IC TC74VHC14F (EL)	
IC1203	8-759-445-59	IC BA033T	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark				
IC1204	8-759-231-53	IC M5F7805L				R1104	1-216-022-00	METAL CHIP	75	5%	1/10W		
IC1205	8-759-231-53	IC M5F7805L				R1105	1-216-066-00	METAL CHIP	5.1K	5%	1/10W		
IC1206	8-759-544-04	IC NJM2103M-TE2				R1106	1-216-071-00	METAL CHIP	8.2K	5%	1/10W		
IC1207	8-759-231-53	IC M5F7805L				R1108	1-216-025-00	RES-CHIP	100	5%	1/10W		
IC1208	8-759-231-53	IC M5F7805L				R1110	1-216-049-11	RES-CHIP	1K	5%	1/10W		
IC1301	8-759-643-42	IC CXD9511AQ				R1111	1-216-121-00	RES-CHIP	1M	5%	1/10W		
IC1401	8-752-391-87	IC CXD2712R				R1112	1-216-033-00	METAL CHIP	220	5%	1/10W		
IC1402	8-759-538-16	IC IDT71V016S15PH-AUTL				R1114	1-216-025-00	RES-CHIP	100	5%	1/10W		
IC1403	8-759-524-32	IC TC74VHC367FT (EL)				R1115	1-216-073-00	METAL CHIP	10K	5%	1/10W		
IC1404	8-759-242-70	IC TC7WU04F (TE12R)				R1131	1-216-066-00	METAL CHIP	5.1K	5%	1/10W		
IC1501	8-759-231-53	IC M5F7805L				R1160	1-216-049-11	RES-CHIP	1K	5%	1/10W		
IC1503	8-759-657-47	IC AK4527				R1192	1-216-049-11	RES-CHIP	1K	5%	1/10W		
IC1504	8-759-099-06	IC M5218AFP-TE1				R1201	1-216-097-00	RES-CHIP	100K	5%	1/10W		
IC1511	8-759-231-58	IC M5F7812L				R1202	1-216-049-11	RES-CHIP	1K	5%	1/10W		
IC1554	8-759-099-06	IC M5218AFP-TE1	< JACK >			R1203	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1204	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1205	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1206	1-216-049-11	RES-CHIP	1K	5%	1/10W		
J1001	1-784-689-11	JACK, PIN 1P (COAX) (DB940)	< SHORT >			R1207	1-216-049-11	RES-CHIP	1K	5%	1/10W		
J1001	1-778-228-11	JACK, PIN 1P (COAX) (DB840)											
						R1208	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1209	1-216-049-11	RES-CHIP	1K	5%	1/10W		
JR1	1-216-295-00	SHORT	0 (AEP, UK)			R1210	1-216-049-11	RES-CHIP	1K	5%	1/10W		
JR1001	1-216-296-00	SHORT	0			R1211	1-216-049-11	RES-CHIP	1K	5%	1/10W		
JR1002	1-216-296-00	SHORT	0			R1212	1-216-049-11	RES-CHIP	1K	5%	1/10W		
JR1003	1-216-296-00	SHORT	0			R1213	1-216-049-11	RES-CHIP	1K	5%	1/10W		
JR1004	1-216-296-00	SHORT	0			R1214	1-216-049-11	RES-CHIP	1K	5%	1/10W		
JR1005	1-216-296-00	SHORT	0			R1215	1-216-025-00	RES-CHIP	100	5%	1/10W		
JR1006	1-216-296-00	SHORT	0			R1216	1-216-025-00	RES-CHIP	100	5%	1/10W		
JR1009	1-216-296-00	SHORT	0			R1217	1-216-049-11	RES-CHIP	1K	5%	1/10W		
L1	1-216-295-00	SHORT	0 (AEP, UK)	< TRANSISTOR >		R1218	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1219	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1220	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1221	1-216-073-00	METAL CHIP	10K	5%	1/10W (DB840)		
Q1201	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L			R1222	1-216-073-00	METAL CHIP	10K	5%	1/10W (DB940)		
Q1202	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L										
Q1203	8-729-027-43	TRANSISTOR	RT1N141C-TP-1										
Q1204	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L										
Q1205	8-729-048-78	TRANSISTOR	2SD1733-TL-QR										
< RESISTOR >					R1224	1-216-089-00	RES-CHIP	47K	5%	1/10W			
R1	1-216-025-00	RES-CHIP	100	5%	1/10W (AEP, UK)	R1225	1-216-689-11	METAL CHIP	39K	0.5%	1/10W		
R2	1-216-025-00	RES-CHIP	100	5%	1/10W (AEP, UK)	R1226	1-216-689-11	METAL CHIP	39K	0.5%	1/10W		
R3	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (AEP, UK)	R1227	1-216-073-00	METAL CHIP	10K	5%	1/10W		
R1001	1-216-025-00	RES-CHIP	100	5%	1/10W	R1228	1-216-075-00	METAL CHIP	12K	5%	1/10W		
R1002	1-216-025-00	RES-CHIP	100	5%	1/10W	R1229	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1003	1-216-025-00	RES-CHIP	100	5%	1/10W	R1230	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1004	1-216-025-00	RES-CHIP	100	5%	1/10W	R1231	1-216-073-00	METAL CHIP	10K	5%	1/10W		
R1006	1-216-025-00	RES-CHIP	100	5%	1/10W	R1232	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1007	1-216-025-00	RES-CHIP	100	5%	1/10W	R1233	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1008	1-216-022-00	METAL CHIP	75	5%	1/10W	R1234	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1009	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1235	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1010	1-216-081-00	METAL CHIP	22K	5%	1/10W	R1236	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1011	1-216-025-00	RES-CHIP	100	5%	1/10W	R1237	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1013	1-216-115-00	METAL CHIP	560K	5%	1/10W	R1238	1-216-065-00	RES-CHIP	4.7K	5%	1/10W		
R1101	1-216-073-00	METAL CHIP	10K	5%	1/10W	R1239	1-216-073-00	METAL CHIP	10K	5%	1/10W		
R1102	1-216-073-00	METAL CHIP	10K	5%	1/10W	R1240	1-216-073-00	METAL CHIP	10K	5%	1/10W		
						R1241	1-216-073-00	METAL CHIP	10K	5%	1/10W		
						R1242	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1243	1-216-073-00	METAL CHIP	10K	5%	1/10W		
						R1245	1-216-049-11	RES-CHIP	1K	5%	1/10W		
						R1246	1-216-049-11	RES-CHIP	1K	5%	1/10W		

Ref. No.	Part No.	Description			Remark
R1247	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1248	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1249	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1250	1-216-025-00	RES-CHIP	100	5%	1/10W
R1252	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1253	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1254	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1255	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1256	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1257	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1258	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
△ R1259	1-215-880-00	METAL OXIDE	10	5%	2W F
△ R1260	1-215-884-11	METAL OXIDE	47	5%	2W F
R1261	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1262	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1263	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1264	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1265	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1266	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1267	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1269	1-216-093-11	RES-CHIP	68K	5%	1/10W
R1270	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1271	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1272	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1273	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1274	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1275	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1276	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1277	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1278	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1279	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1280	1-216-081-00	METAL CHIP	22K	5%	1/10W
R1281	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1282	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1283	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1284	1-216-105-00	RES-CHIP	220K	5%	1/10W
R1285	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1286	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1287	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1288	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1289	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1290	1-216-093-11	RES-CHIP	68K	5%	1/10W
R1292	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1293	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1294	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1295	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1296	1-216-295-00	SHORT	0		
R1301	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1302	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1303	1-216-295-00	SHORT	0		
R1304	1-216-295-00	SHORT	0		
R1305	1-216-295-00	SHORT	0		
R1401	1-216-025-00	RES-CHIP	100	5%	1/10W
R1402	1-216-025-00	RES-CHIP	100	5%	1/10W
R1403	1-216-025-00	RES-CHIP	100	5%	1/10W
R1404	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1405	1-216-121-00	RES-CHIP	1M	5%	1/10W
R1406	1-216-073-00	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1407	1-216-025-00	RES-CHIP	100	5%	1/10W
R1408	1-216-025-00	RES-CHIP	100	5%	1/10W
R1409	1-216-025-00	RES-CHIP	100	5%	1/10W
R1410	1-216-295-00	SHORT	0		
R1412	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1413	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1414	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1415	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1416	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1417	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1418	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1419	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1420	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1421	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1422	1-216-025-00	RES-CHIP	100	5%	1/10W
R1450	1-216-295-00	SHORT	0		
R1451	1-216-295-00	SHORT	0		
R1452	1-216-295-00	SHORT	0		
R1503	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1518	1-216-097-00	RES-CHIP	100K	5%	1/10W
R1522	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1523	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1524	1-216-037-00	METAL CHIP	330	5%	1/10W
R1525	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1526	1-216-037-00	METAL CHIP	330	5%	1/10W
R1527	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1558	1-216-025-00	RES-CHIP	100	5%	1/10W
R1570	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1571	1-216-065-00	RES-CHIP	4.7K	5%	1/10W
R1572	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1573	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R1574	1-216-037-00	METAL CHIP	330	5%	1/10W
R1575	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1576	1-216-037-00	METAL CHIP	330	5%	1/10W
R1577	1-216-073-00	METAL CHIP	10K	5%	1/10W
R3121	1-216-043-00	RES-CHIP	560	5%	1/10W
< VIBRATOR >					
X1	1-781-536-11	VIBRATOR, CRYSTAL (4.332MHz) (AEP, UK)			
X1201	1-781-356-21	VIBRATOR, CERAMIC (16MHz)			
X1401	1-781-464-21	VIBRATOR, CERAMIC (10MHz)			
X3501	1-781-465-21	VIBRATOR, CRYSTAL (12.288MHz)			

A-4428-823-A		DISPLAY BOARD, COMPLETE (DB840: US, CND)			
A-4428-824-A		DISPLAY BOARD, COMPLETE (DB840: AEP, UK)			
A-4428-825-A		DISPLAY BOARD, COMPLETE (DB940: US, CND)			
A-4428-826-A		DISPLAY BOARD, COMPLETE (E, AUS, CH)			
A-4428-827-A		DISPLAY BOARD, COMPLETE (DB940: AEP, UK)			

*	4-921-941-01	CUSHION (FL)			
*	4-990-797-01	HOLDER (FL)			

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.

以阴影和 △ 标志来识别的零部件, 在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark				
< CAPACITOR >							D121	8-719-072-82	LED	SELU5E20C-STP15 (MULTI CHANNEL DECODING)				
C102	1-162-306-11	CERAMIC	0.01uF	30%	16V		D130	8-719-911-19	DIODE	1SS133T-72 (AEP, UK)				
C103	1-162-306-11	CERAMIC	0.01uF	30%	16V		D132	8-719-911-19	DIODE	1SS133T-72 (E, AUS, CH)				
C104	1-126-967-11	ELECT	47uF	20%	50V		D134	8-719-911-19	DIODE	1SS133T-72 (DB840)				
C105	1-104-905-11	CAPACITOR	0.22F		5.5V		D135	8-719-911-19	DIODE	1SS133T-72 (DB940)				
C106	1-164-159-11	CERAMIC	0.1uF		50V									
C107	1-164-159-11	CERAMIC	0.1uF		50V		D136	8-719-078-95	LED	SMLU78723CTP15 (VIDEO 1)				
C108	1-164-159-11	CERAMIC	0.1uF		50V		D137	8-719-078-95	LED	SMLU78723CTP15 (VIDEO 2)				
C109	1-164-159-11	CERAMIC	0.1uF		50V		D138	8-719-078-95	LED	SMLU78723CTP15 (VIDEO 3)				
C110	1-164-159-11	CERAMIC	0.1uF		50V		D139	8-719-078-95	LED	SMLU78723CTP15 (DVD/LD)				
C117	1-164-159-11	CERAMIC	0.1uF		50V		D140	8-719-078-95	LED	SMLU78723CTP15 (TV/SAT)				
C118	1-164-159-11	CERAMIC	0.1uF		50V		D141	8-719-046-39	LED	SEL5821A-TP15 (ANLG DIRECT)				
C119	1-162-282-31	CERAMIC	100PF	10%	50V		D147	8-719-313-50	LED	SEL6810A-TH12 (BASS BOOST)				
C120	1-164-159-11	CERAMIC	0.1uF		50V		D148	8-719-046-39	LED	SEL5821A-TP15 (5.1CH INPUT)				
C122	1-135-798-11	CERAMIC	0.22uF		50V		D149	8-719-075-60	LED	SELS5823CTP15 (TAPE)				
C123	1-162-294-31	CERAMIC	0.001uF	10%	50V		D150	8-719-075-60	LED	SELS5823CTP15 (CD) (DB940)				
C124	1-164-159-11	CERAMIC	0.1uF		50V		D151	8-719-075-60	LED	SELS5823CTP15 (MD/DAT)				
C125	1-126-916-11	ELECT	1000uF	20%	6.3V (DB940)		D152	8-719-075-60	LED	SELS5823CTP15 (TUNER)				
C126	1-164-159-11	CERAMIC	0.1uF		50V		D153	8-719-075-60	LED	SELS5823CTP15 (PHONO)				
C128	1-164-159-11	CERAMIC	0.1uF		50V		D154	8-719-046-39	LED	SEL5821A-TP15 (2CH)				
C130	1-162-294-31	CERAMIC	0.001uF	10%	50V		D155	8-719-046-39	LED	SEL5821A-TP15 (MODE)				
C131	1-164-159-11	CERAMIC	0.1uF		50V		D156	8-719-046-39	LED	SEL5821A-TP15 (A.F.D.)				
C132	1-164-159-11	CERAMIC	0.1uF		50V		D157	8-719-075-59	LED	SELS5B23CTP15 (DIGITAL CINEMA SOUND)				
C133	1-164-159-11	CERAMIC	0.1uF		50V		DD11	8-719-911-19	DIODE	1SS133T-72 (DB940)				
C134	1-162-306-11	CERAMIC	0.01uF	30%	16V		DD12	8-719-911-19	DIODE	1SS133T-72 (DB940)				
C135	1-162-306-11	CERAMIC	0.01uF	30%	16V		DD13	8-719-911-19	DIODE	1SS133T-72 (DB940)				
C136	1-104-664-11	ELECT	47uF	20%	16V		DD14	8-719-059-14	LED	SID313BP-TP19 (SIRCS) (DB940)				
CC11	1-164-159-11	CERAMIC	0.1uF		50V (DB940)		DD15	8-719-075-86	LED	SID307BRTP19 (SIRCS) (DB940)				
CC12	1-164-159-11	CERAMIC	0.1uF		50V (DB940)		DD16	8-719-075-86	LED	SID307BRTP19 (SIRCS) (DB940)				
CC13	1-164-159-11	CERAMIC	0.1uF		50V (DB940)		< FLUORESCENT INDICATOR TUBE >							
CC14	1-136-153-00	FILM	0.01uF	5%	50V (DB940)		FL101	1-517-781-21	INDICATOR TUBE, FLUORESCENT					
CC15	1-136-153-00	FILM	0.01uF	5%	50V (DB940)		< IC >							
CC16	1-126-916-11	ELECT	1000uF	20%	6.3V (DB940)		IC11	8-759-916-16	IC	SN74HC08AN (DB940)				
< CONNECTOR >							IC102	8-759-666-30	IC	MB90553ABPF-G-169-BND				
CNP105	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P					IC103	8-759-679-75	IC	ML9261MBZ060				
CNP106	1-770-553-11	CONNECTOR, BOARD TO BOARD 11P					IC105	8-759-962-08	IC	BA6208				
CNP108	1-784-807-11	CONNECTOR, BOARD TO BOARD 13P					IC106	8-759-666-99	IC	TMP87C447U-1F23 (DB940)				
CNS101	1-784-778-11	CONNECTOR, FFC 17P (E, AUS, CH)					IC108	8-759-373-50	IC	NJU3719L				
CNS102	1-568-826-11	CONNECTOR, FFC 7P (DB940)					< TRANSISTOR >							
CNS101	1-784-782-11	CONNECTOR, FFC 21P (US, CND)					Q102	8-729-422-57	TRANSISTOR	BN1A4M-TP				
CNS101	1-784-784-11	CONNECTOR, FFC 23P (AEP, UK)					Q103	8-729-900-80	TRANSISTOR	BA1A4M-TP				
CNS103	1-770-397-11	HOUSING, CONNECTOR PC BOARD) 4P					Q104	8-729-119-79	TRANSISTOR	2SC2785TP-FEK				
< DIODE >							Q129	8-729-801-93	TRANSISTOR	2SD1387-34-TP (DB940)				
D101	8-719-911-19	DIODE	1SS133T-72				Q130	8-729-801-93	TRANSISTOR	2SD1387-34-TP (DB940)				
D102	8-719-024-99	DIODE	11ES2-NTA2B				QQ11	8-729-119-79	TRANSISTOR	2SC2785TP-FEK (DB940)				
D103	8-719-911-19	DIODE	1SS133T-72				< RESISTOR >							
D106	8-719-911-19	DIODE	1SS133T-72				R100	1-249-417-11	CARBON	1K	5%	1/4W (AEP, UK)		
D107	8-719-911-19	DIODE	1SS133T-72				R101	1-249-429-11	CARBON	10K	5%	1/4W		
							R103	1-249-437-11	CARBON	47K	5%	1/4W		
							R104	1-249-425-11	CARBON	4.7K	5%	1/4W		
							R106	1-249-437-11	CARBON	47K	5%	1/4W		

DISPLAY

Ref. No.	Part No.	Description	Remark
△ R107	1-249-385-11	CARBON	2.2 5% 1/6W F
△ R108	1-249-385-11	CARBON	2.2 5% 1/6W F
R109	1-249-429-11	CARBON	10K 5% 1/4W
R110	1-249-429-11	CARBON	10K 5% 1/4W
R111	1-249-425-11	CARBON	4.7K 5% 1/4W
R119	1-249-417-11	CARBON	1K 5% 1/4W
R120	1-249-417-11	CARBON	1K 5% 1/4W
R121	1-249-425-11	CARBON	4.7K 5% 1/4W
R129	1-249-417-11	CARBON	1K 5% 1/4W
R130	1-249-429-11	CARBON	10K 5% 1/4W
R131	1-249-425-11	CARBON	4.7K 5% 1/4W
R136	1-249-437-11	CARBON	47K 5% 1/4W
R137	1-249-437-11	CARBON	47K 5% 1/4W
R138	1-249-393-11	CARBON	10 5% 1/4W
R139	1-249-437-11	CARBON	47K 5% 1/4W
R140	1-249-411-11	CARBON	330 5% 1/4W
R141	1-249-425-11	CARBON	4.7K 5% 1/4W
R146	1-249-409-11	CARBON	220 5% 1/4W
R147	1-249-429-11	CARBON	10K 5% 1/4W
R148	1-249-429-11	CARBON	10K 5% 1/4W
R149	1-249-433-11	CARBON	22K 5% 1/4W
R150	1-249-433-11	CARBON	22K 5% 1/4W
R151	1-249-425-11	CARBON	4.7K 5% 1/4W
R154	1-249-417-11	CARBON	1K 5% 1/4W
R155	1-249-417-11	CARBON	1K 5% 1/4W
R156	1-249-417-11	CARBON	1K 5% 1/4W
R157	1-249-417-11	CARBON	1K 5% 1/4W
R158	1-249-417-11	CARBON	1K 5% 1/4W
R159	1-247-899-11	CARBON	680K 5% 1/4W
R160	1-249-441-11	CARBON	100K 5% 1/4W
R161	1-249-425-11	CARBON	4.7K 5% 1/4W
R165	1-249-417-11	CARBON	1K 5% 1/4W (DB940)
R166	1-249-429-11	CARBON	10K 5% 1/4W
R168	1-249-425-11	CARBON	4.7K 5% 1/4W
R169	1-249-429-11	CARBON	10K 5% 1/4W
R170	1-249-417-11	CARBON	1K 5% 1/4W
R171	1-247-807-31	CARBON	100 5% 1/4W (DB940)
R172	1-249-411-11	CARBON	330 5% 1/4W
R173	1-249-441-11	CARBON	100K 5% 1/4W
R174	1-249-411-11	CARBON	330 5% 1/4W
R175	1-249-417-11	CARBON	1K 5% 1/4W
R176	1-249-409-11	CARBON	220 5% 1/4W
R177	1-247-807-31	CARBON	100 5% 1/4W (DB940)
R178	1-247-807-31	CARBON	100 5% 1/4W (DB940)
R180	1-247-807-31	CARBON	100 5% 1/4W (US, CND)
R181	1-249-437-11	CARBON	47K 5% 1/4W
R182	1-249-429-11	CARBON	10K 5% 1/4W
R183	1-249-429-11	CARBON	10K 5% 1/4W
R184	1-249-411-11	CARBON	330 5% 1/4W
R185	1-249-409-11	CARBON	220 5% 1/4W
R186	1-249-411-11	CARBON	330 5% 1/4W
R187	1-249-411-11	CARBON	330 5% 1/4W
R188	1-249-411-11	CARBON	330 5% 1/4W
R189	1-249-411-11	CARBON	330 5% 1/4W

Ref. No.	Part No.	Description	Remark
R190	1-249-409-11	CARBON	220 5% 1/4W
R191	1-249-409-11	CARBON	220 5% 1/4W
R192	1-249-409-11	CARBON	220 5% 1/4W
R193	1-249-411-11	CARBON	330 5% 1/4W
R194	1-249-441-11	CARBON	100K 5% 1/4W (DB940)
R195	1-249-425-11	CARBON	4.7K 5% 1/4W (DB940)
R196	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
R197	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
R198	1-249-411-11	CARBON	330 5% 1/4W
R199	1-249-411-11	CARBON	330 5% 1/4W
R202	1-247-807-31	CARBON	100 5% 1/4W (US, CND)
R203	1-247-807-31	CARBON	100 5% 1/4W (US, CND)
R204	1-247-807-31	CARBON	100 5% 1/4W (US, CND)
R205	1-249-417-11	CARBON	1K 5% 1/4W
R206	1-249-429-11	CARBON	10K 5% 1/4W
R207	1-249-417-11	CARBON	1K 5% 1/4W
R211	1-249-417-11	CARBON	1K 5% 1/4W
RR11	1-249-429-11	CARBON	10K 5% 1/4W
RR12	1-249-429-11	CARBON	10K 5% 1/4W
RR13	1-249-429-11	CARBON	10K 5% 1/4W
RR14	1-249-429-11	CARBON	10K 5% 1/4W
RR15	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR16	1-249-425-11	CARBON	4.7K 5% 1/4W (DB940)
RR17	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR18	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR19	1-249-385-11	CARBON	2.2 5% 1/6W (DB940)
RR20	1-249-385-11	CARBON	2.2 5% 1/6W (DB940)
RR23	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR24	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR25	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR26	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR27	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR28	1-249-429-11	CARBON	10K 5% 1/4W (DB940)
RR36	1-249-417-11	CARBON	1K 5% 1/4W (DB940)
RR37	1-249-417-11	CARBON	1K 5% 1/4W (DB940)
< VIBRATOR >			
X11	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)	(DB940)

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以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

DISPLAY	H.P	JOINT (1) (Q)	JOINT (2) (Q)	MAIN
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Ref. No.	Part No.	Description	Remark
X101	1-781-356-21	VIBRATOR, CERAMIC (16NHz)	

	1-677-011-11	H.P BOARD	

		< CONNECTOR >	
CNP751	1-779-978-11	PIN, CONNECTOR 3P	
		< EARTH TERMINAL >	
* EB701	1-537-738-21	TERMINAL, EARTH	
		< JACK >	
J701	1-750-735-11	JACK (LARGE TYPE) (PHONES)	

	1-677-040-11	JOINT (1) (Q) BOARD (DB840)	

		< CONNECTOR >	
CNP211	1-695-089-11	PIN, CONNECTOR (PC BOARD) 11P	
CNP212	1-695-089-11	PIN, CONNECTOR (PC BOARD) 11P	

	1-677-043-11	JOINT (2) (Q) BOARD (DB940)	

		< CONNECTOR >	
CNP211	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P	
CNP212	1-695-096-11	SOCKET, CONNECTOR 15P	

	A-4428-876-A	MAIN BOARD, COMPLETE (DB840: US)	
	A-4428-877-A	MAIN BOARD, COMPLETE (DB840: AEP, UK)	
	A-4428-878-A	MAIN BOARD, COMPLETE (DB940: US)	
	A-4428-879-A	MAIN BOARD, COMPLETE (DB940: CND)	
	A-4428-880-A	MAIN BOARD, COMPLETE (E, AUS, CH)	
	A-4428-881-A	MAIN BOARD, COMPLETE (DB940: AEP, UK)	
	A-4428-936-A	MAIN BOARD, COMPLETE (DB840: CND)	

	7-685-872-09	SCREW +BVTT 3X8 (S)	
		< CAPACITOR >	
C301	1-119-821-11	ELECT MELF 2.2uF 20% 50V	
C302	1-128-809-11	CERAMIC 100PF 5% 50V	
		(EXCEPT US, CND)	
C303	1-128-832-11	ELECT 220uF 20% 10V	
C304	1-125-896-91	MYLAR 0.0091uF 5% 50V	
C305	1-136-159-00	MYLAR 0.033uF 5% 50V	
C306	1-119-821-11	ELECT MELF 2.2uF 20% 50V	
C307	1-128-809-11	CERAMIC 100PF 5% 50V	
		(EXCEPT US, CND)	
C308	1-128-813-11	CERAMIC 220PF 5% 50V	
		(EXCEPT US, CND)	
C309	1-128-809-11	CERAMIC 100PF 5% 50V	
		(DB940)	
C311	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	

Ref. No.	Part No.	Description	Remark
C311	1-128-858-11	ELECT 22uF 20% 50V	
		(EXCEPT DB940: AEP, UK)	
C312	1-164-159-11	CERAMIC 0.1uF 50V	
C313	1-164-159-11	CERAMIC 0.1uF 50V	
C314	1-164-159-11	CERAMIC 0.1uF 50V	
		(DB940)	
C315	1-164-159-11	CERAMIC 0.1uF 50V	
C320	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C320	1-128-858-11	ELECT 22uF 20% 50V	
		(DB940: US, CND, E, AUS, CH)	
C330	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C330	1-128-858-11	ELECT 22uF 20% 50V	
		(DB940: US, CND, E, AUS, CH)	
C331	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C331	1-128-858-11	ELECT 22uF 20% 50V	
		(EXCEPT DB940: AEP, UK)	
C340	1-127-880-11	CERAMIC 0.022uF 10% 50V	
		(DB940)	
C350	1-127-880-11	CERAMIC 0.022uF 10% 50V	
		(DB940)	
C351	1-119-821-11	ELECT MELF 2.2uF 20% 50V	
C352	1-128-809-11	CERAMIC 100PF 5% 50V	
		(EXCEPT US, CND)	
C353	1-128-832-11	ELECT 220uF 20% 10V	
C354	1-125-896-91	MYLAR 0.0091uF 5% 50V	
C355	1-136-159-00	MYLAR 0.033uF 5% 50V	
C356	1-119-821-11	ELECT MELF 2.2uF 20% 50V	
C357	1-128-809-11	CERAMIC 100PF 5% 50V	
		(EXCEPT US, CND)	
C358	1-128-813-11	CERAMIC 220PF 5% 50V	
		(EXCEPT US, CND)	
C361	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C361	1-128-858-11	ELECT 22uF 20% 50V	
		(EXCEPT DB940: AEP, UK)	
C370	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C370	1-128-858-11	ELECT 22uF 20% 50V	
		(DB940: US, CND, E, AUS, CH)	
C380	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C380	1-128-858-11	ELECT 22uF 20% 50V	
		(DB940: US, CND, E, AUS, CH)	
C381	1-119-825-41	ELECT 22uF 20% 50V	
		(DB940: AEP, UK)	
C381	1-128-858-11	ELECT 22uF 20% 50V	
		(EXCEPT DB940: AEP, UK)	
C388	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C389	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C392	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C394	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C395	1-128-809-11	CERAMIC 100PF 5% 50V	
C396	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C397	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C398	1-128-809-11	CERAMIC 100PF 5% 50V	
C401	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C402	1-127-880-11	CERAMIC 0.022uF 10% 50V	
C403	1-128-809-11	CERAMIC 100PF 5% 50V	

MAIN

Ref. No.	Part No.	Description	Remark		
C404	1-128-809-11	CERAMIC	100PF	5%	50V
C410	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C410	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C411	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C411	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C412	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C412	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C416	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C416	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C417	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C417	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C418	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C418	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C419	1-128-809-11	CERAMIC	100PF	5%	50V
C421	1-128-809-11	CERAMIC	100PF	5%	50V
C422	1-128-809-11	CERAMIC	100PF	5%	50V
C423	1-128-809-11	CERAMIC	100PF	5%	50V
C460	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C460	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C461	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C461	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C462	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C462	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C466	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C466	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C467	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C467	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C468	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C468	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C471	1-128-809-11	CERAMIC	100PF	5%	50V
C472	1-128-809-11	CERAMIC	100PF	5%	50V
C473	1-128-809-11	CERAMIC	100PF	5%	50V
C481	1-136-173-00	MYLAR	0.47uF	5%	50V
C482	1-136-173-00	MYLAR	0.47uF	5%	50V
C491	1-119-799-11	ELECT	47uF	20%	16V
				(DB940: AEP, UK)	
C491	1-128-840-11	ELECT	47uF	20%	16V
				(EXCEPT DB940: AEP, UK)	

Ref. No.	Part No.	Description	Remark		
C496	1-119-804-21	ELECT	1000uF	20%	25V
				(DB940: AEP, UK)	
C496	1-127-731-51	ELECT MELF	1000uF	20%	25V
				(EXCEPT DB940: AEP, UK)	
C497	1-119-804-21	ELECT	1000uF	20%	25V
				(DB940: AEP, UK)	
C497	1-127-731-51	ELECT MELF	1000uF	20%	25V
				(EXCEPT DB940: AEP, UK)	
C499	1-119-799-11	ELECT	47uF	20%	16V
				(DB940: AEP, UK)	
C499	1-128-840-11	ELECT	47uF	20%	16V
				(EXCEPT DB940: AEP, UK)	
C501	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C501	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C502	1-128-811-11	CERAMIC	150PF	5%	50V
C503	1-102-233-00	CERAMIC	33PF	10%	500V
C505	1-119-779-11	ELECT	220uF	20%	10V
				(DB940: AEP, UK)	
C505	1-128-832-11	ELECT	220uF	20%	10V
				(EXCEPT DB940: AEP, UK)	
C521	1-107-597-11	CERAMIC	22PF	10%	500V
C522	1-107-597-11	CERAMIC	22PF	10%	500V
C523	1-128-813-11	CERAMIC	220PF	5%	50V
C524	1-119-824-11	ELECT MELF	10uF	20%	50V
C525	1-136-157-00	MYLAR	0.022uF	5%	50V
C526	1-136-153-00	FILM	0.01uF	5%	50V
C539	1-128-809-11	CERAMIC	100PF	5%	50V
C551	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C551	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C552	1-128-811-11	CERAMIC	150PF	5%	50V
C553	1-102-233-00	CERAMIC	33PF	10%	500V
C555	1-119-779-11	ELECT	220uF	20%	10V
				(DB940: AEP, UK)	
C555	1-128-832-11	ELECT	220uF	20%	10V
				(EXCEPT DB940: AEP, UK)	
C571	1-107-597-11	CERAMIC	22PF	10%	500V
C572	1-107-597-11	CERAMIC	22PF	10%	500V
C573	1-128-813-11	CERAMIC	220PF	5%	50V
C574	1-119-824-11	ELECT MELF	10uF	20%	50V
C575	1-136-157-00	MYLAR	0.022uF	5%	50V
C576	1-136-153-00	FILM	0.01uF	5%	50V
C589	1-128-809-11	CERAMIC	100PF	5%	50V
C590	1-126-935-11	ELECT	470uF	20%	6.3V
C594	1-119-851-11	ELECT	22uF	20%	100V
				(DB940: AEP, UK)	
C594	1-128-883-11	ELECT	22uF	20%	100V
				(EXCEPT DB940: AEP, UK)	
C595	1-119-851-11	ELECT	22uF	20%	100V
				(DB940: AEP, UK)	
C595	1-128-883-11	ELECT	22uF	20%	100V
				(EXCEPT DB940: AEP, UK)	
C598	1-128-858-11	ELECT	22uF	20%	50V
C601	1-119-825-41	ELECT	22uF	20%	50V
				(DB940: AEP, UK)	
C601	1-128-858-11	ELECT	22uF	20%	50V
				(EXCEPT DB940: AEP, UK)	
C602	1-128-811-11	CERAMIC	150PF	5%	50V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark
C603	1-102-233-00	CERAMIC	33PF	10%	500V	CNP603	1-784-921-11	PIN, CONNECTOR 4P	
C605	1-119-779-11	ELECT	220uF	20%	10V	CNP611	1-784-921-11	PIN, CONNECTOR 4P	
					(DB940: AEP, UK)	CNP711	1-784-921-11	PIN, CONNECTOR 4P	
C605	1-128-832-11	ELECT	220uF	20%	10V	CNP751	1-779-978-21	PIN, CONNECTOR 3P	
					(EXCEPT DB940: AEP, UK)	CNP761	1-784-921-11	PIN, CONNECTOR 4P	
C621	1-107-597-11	CERAMIC	22PF	10%	500V	CNP803	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P	
C622	1-107-597-11	CERAMIC	22PF	10%	500V	CNP811	1-785-102-11	PIN, CONNECTOR 4P	
C623	1-128-813-11	CERAMIC	220PF	5%	50V	CNP812	1-779-977-11	PIN, CONNECTOR 6P	
C624	1-119-824-11	ELECT MELF	10uF	20%	50V	CNS302	1-784-784-11	CONNECTOR, FFC 23P	
C625	1-136-157-00	MYLAR	0.022uF	5%	50V	CNS305	1-779-978-11	PIN, CONNECTOR 3P	
C626	1-136-153-00	FILM	0.01uF	5%	50V				
C639	1-128-809-11	CERAMIC	100PF	5%	50V	CNS306	1-784-782-11	CONNECTOR, FFC 21P	
C651	1-119-825-41	ELECT	22uF	20%	50V			< DIODE >	
					(DB940: AEP, UK)	D301	8-719-911-19	DIODE 1SS133T-72 (DB940)	
C651	1-128-858-11	ELECT	22uF	20%	50V	D501	8-719-911-19	DIODE 1SS133T-72	
					(EXCEPT DB940: AEP, UK)	D502	8-719-109-51	DIODE MTZJ-T-72-2.2	
C652	1-128-858-11	ELECT	22uF	20%	50V	D503	8-719-109-51	DIODE MTZJ-T-72-2.2	
C701	1-119-825-41	ELECT	22uF	20%	50V	D504	8-719-911-19	DIODE 1SS133T-72	
					(DB940: AEP, UK)				
C701	1-128-858-11	ELECT	22uF	20%	50V	D505	8-719-911-19	DIODE 1SS133T-72	
					(EXCEPT DB940: AEP, UK)	D506	8-719-911-19	DIODE 1SS133T-72	
C702	1-128-811-11	CERAMIC	150PF	5%	50V	D545	8-719-911-19	DIODE 1SS133T-72	
C703	1-102-233-00	CERAMIC	33PF	10%	500V	D546	8-719-911-19	DIODE 1SS133T-72	
C705	1-119-779-11	ELECT	220uF	20%	10V	D547	8-719-911-19	DIODE 1SS133T-72	
					(DB940: AEP, UK)				
C705	1-128-832-11	ELECT	220uF	20%	10V	D548	8-719-911-19	DIODE 1SS133T-72	
					(EXCEPT DB940: AEP, UK)	D549	8-719-911-19	DIODE 1SS133T-72	
C721	1-107-597-11	CERAMIC	22PF	10%	500V	D551	8-719-911-19	DIODE 1SS133T-72	
C722	1-107-597-11	CERAMIC	22PF	10%	500V	D552	8-719-109-51	DIODE MTZJ-T-72-2.2	
C723	1-128-813-11	CERAMIC	220PF	5%	50V	D553	8-719-109-51	DIODE MTZJ-T-72-2.2	
C724	1-119-824-11	ELECT MELF	10uF	20%	50V				
C725	1-136-157-00	MYLAR	0.022uF	5%	50V	D554	8-719-911-19	DIODE 1SS133T-72	
C726	1-136-153-00	FILM	0.01uF	5%	50V	D555	8-719-911-19	DIODE 1SS133T-72	
C739	1-128-809-11	CERAMIC	100PF	5%	50V	D556	8-719-911-19	DIODE 1SS133T-72	
C751	1-119-825-41	ELECT	22uF	20%	50V	D598	8-719-911-19	DIODE 1SS133T-72	
					(DB940: AEP, UK)	D599	8-719-911-19	DIODE 1SS133T-72	
C751	1-128-858-11	ELECT	22uF	20%	50V	D601	8-719-911-19	DIODE 1SS133T-72	
					(EXCEPT DB940: AEP, UK)	D602	8-719-109-51	DIODE MTZJ-T-72-2.2	
C752	1-128-811-11	CERAMIC	150PF	5%	50V	D603	8-719-109-51	DIODE MTZJ-T-72-2.2	
C753	1-102-233-00	CERAMIC	33PF	10%	500V	D604	8-719-911-19	DIODE 1SS133T-72	
C755	1-119-779-11	ELECT	220uF	20%	10V	D605	8-719-911-19	DIODE 1SS133T-72	
					(DB940: AEP, UK)	D606	8-719-911-19	DIODE 1SS133T-72	
C755	1-128-832-11	ELECT	220uF	20%	10V	D607	8-719-911-19	DIODE 1SS133T-72	
					(EXCEPT DB940: AEP, UK)	D608	8-719-911-19	DIODE 1SS133T-72	
C771	1-107-597-11	CERAMIC	22PF	10%	500V	D649	8-719-911-19	DIODE 1SS133T-72	
C772	1-107-597-11	CERAMIC	22PF	10%	500V	D671	8-719-911-19	DIODE 1SS133T-72	
C773	1-128-813-11	CERAMIC	220PF	5%	50V	D681	8-719-911-19	DIODE 1SS133T-72	
C775	1-136-157-00	MYLAR	0.022uF	5%	50V	D698	8-719-911-19	DIODE 1SS133T-72	
C789	1-128-809-11	CERAMIC	100PF	5%	50V	D701	8-719-911-19	DIODE 1SS133T-72	
CC14	1-128-809-11	CERAMIC	100PF	5%	50V	D702	8-719-109-51	DIODE MTZJ-T-72-2.2	
					(DB940)	D703	8-719-109-51	DIODE MTZJ-T-72-2.2	
CC64	1-128-809-11	CERAMIC	100PF	5%	50V	D704	8-719-911-19	DIODE 1SS133T-72	
					(DB940)	D705	8-719-911-19	DIODE 1SS133T-72	
		< CONNECTOR >				D706	8-719-911-19	DIODE 1SS133T-72	
CNP301	1-573-852-11	CONNECTOR, BOARD TO BOARD 20P				D749	8-719-911-19	DIODE 1SS133T-72	
CNP511	1-784-921-11	PIN, CONNECTOR 4P				D751	8-719-911-19	DIODE 1SS133T-72	
CNP561	1-784-921-11	PIN, CONNECTOR 4P				D752	8-719-109-51	DIODE MTZJ-T-72-2.2	
CNP601	1-785-104-11	PIN, CONNECTOR 6P				D753	8-719-109-51	DIODE MTZJ-T-72-2.2	
CNP602	1-785-104-11	PIN, CONNECTOR 6P				D754	8-719-911-19	DIODE 1SS133T-72	
						D798	8-719-911-19	DIODE 1SS133T-72	

MAIN

Ref. No.	Part No.	Description	Remark
D799	8-719-911-19	DIODE 1SS133T-72	
< IC >			
IC301	8-759-582-64	IC TC9273N-004	
IC302	8-759-636-74	IC M5218AP-22	
IC303	8-759-582-65	IC TC9273N-014	
IC304	8-759-636-74	IC M5218AP-22	
IC309	8-759-636-74	IC M5218AP-22 (DB940)	
IC330	8-759-582-66	IC TC9273N-013 (DB940)	
IC401	8-759-231-59	IC M5F7815L	
IC402	8-759-245-87	IC M5F7915L	
IC404	8-759-708-05	IC NJM78L05A-T3	
IC405	8-759-245-79	IC M5F7905L	
IC408	8-759-636-74	IC M5218AP-22	
IC409	8-759-636-74	IC M5218AP-22	
IC410	8-759-636-74	IC M5218AP-22	
IC414	8-759-534-63	IC TC9299P	
IC415	8-759-534-63	IC TC9299P	
IC416	8-759-534-63	IC TC9299P	
IC501	8-759-326-52	IC uPC2581V	
IC601	8-759-326-52	IC uPC2581V	
IC651	8-759-636-74	IC M5218AP-22	
IC701	8-759-326-52	IC uPC2581V	
< JACK >			
J301	1-695-188-31	JACK, PIN 4P (PHONO, CD) (DB840)	
J301	1-784-934-11	JACK, PIN 4P (PHONO, CD) (DB940)	
J302	1-695-188-31	JACK, PIN 4P (MD/TAPE) (DB840)	
J302	1-784-934-11	JACK, PIN 4P (MD/DAT) (DB940)	
J303	1-784-934-11	JACK, PIN 4P (TAPE) (DB940)	
J304	1-774-411-11	JACK, PIN 6P (VIDEO 1, VIDEO 2) (DB840)	
J304	1-778-517-11	JACK, PIN 6P (TV/SAT, DVD/LD, VIDEO 2) (DB940)	
J305	1-774-411-11	JACK, PIN 6P (5.1CH INPUT) (DB840)	
J305	1-778-517-11	JACK, PIN 6P (VIDEO 2, VIDEO 1) (DB940)	
J306	1-774-822-21	JACK, PIN 2P (2ND AUDIO OUT) (DB940)	
< COIL >			
L501	1-411-906-11	COIL, AIR-CORE	
L551	1-411-906-11	COIL, AIR-CORE	
< TRANSISTOR/IC >			
Q301	8-729-119-79	TRANSISTOR 2SC2785TP-FEK (DB940)	
Q501	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q503	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q506	8-729-051-92	TRANSISTOR 2SD2560 (DB940)	
Q506	8-749-010-25	IC MN2488-OPY-M (DB840)	
Q507	8-729-051-93	TRANSISTOR 2SB1647 (DB940)	
Q507	8-749-010-26	IC MP1620-OPY-M (DB840)	
Q508	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q509	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q510	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q511	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q546	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q547	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q548	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q549	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q556	8-729-051-92	TRANSISTOR 2SD2560 (DB940)	

Ref. No.	Part No.	Description	Remark
Q556	8-749-010-25	IC MN2488-OPY-M (DB840)	
Q557	8-729-051-93	TRANSISTOR 2SB1647 (DB940)	
Q557	8-749-010-26	IC MP1620-OPY-M (DB840)	
Q558	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q559	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q560	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q561	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q596	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q598	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q599	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q601	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q606	8-729-051-92	TRANSISTOR 2SD2560 (DB940)	
Q606	8-749-010-25	IC MN2488-OPY-M (DB840)	
Q607	8-729-051-93	TRANSISTOR 2SB1647 (DB940)	
Q607	8-749-010-26	IC MP1620-OPY-M (DB840)	
Q608	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q609	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q610	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q611	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q613	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q645	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q671	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q681	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q698	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q706	8-729-051-92	TRANSISTOR 2SD2560 (DB940)	
Q706	8-749-010-25	IC MN2488-OPY-M (DB840)	
Q707	8-729-051-93	TRANSISTOR 2SB1647 (DB940)	
Q707	8-749-010-26	IC MP1620-OPY-M (DB840)	
Q708	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q709	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q710	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q745	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q756	8-729-051-92	TRANSISTOR 2SD2560 (DB940)	
Q756	8-749-010-25	IC MN2488-OPY-M (DB840)	
Q757	8-729-051-93	TRANSISTOR 2SB1647 (DB940)	
Q757	8-749-010-26	IC MP1620-OPY-M (DB840)	
Q758	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q798	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q799	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
< RESISTOR >			
R301	1-249-421-11	CARBON 2.2K 5% 1/4W (EXCEPT US, CND)	
R302	1-249-441-11	CARBON 100K 5% 1/4W	
R303	1-249-440-11	CARBON 82K 5% 1/4W	
R304	1-249-408-11	CARBON 180 5% 1/4W	
R305	1-249-428-11	CARBON 8.2K 5% 1/4W	
R306	1-249-441-11	CARBON 100K 5% 1/4W	
R307	1-247-807-31	CARBON 100 5% 1/4W	
R308	1-249-441-11	CARBON 100K 5% 1/4W	
R309	1-249-413-11	CARBON 470 5% 1/4W	
R310	1-249-417-11	CARBON 1K 5% 1/4W	
R311	1-249-421-11	CARBON 2.2K 5% 1/4W	
R312	1-249-417-11	CARBON 1K 5% 1/4W	
R313	1-249-421-11	CARBON 2.2K 5% 1/4W (DB940)	
R314	1-249-417-11	CARBON 1K 5% 1/4W (DB940)	

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
△ R315	1-249-393-11	CARBON	10	5%	1/4W	F (DB940)	R396	1-249-417-11	CARBON	1K	5%	1/4W	(DB940)
R316	1-249-421-11	CARBON	2.2K	5%	1/4W		R398	1-249-417-11	CARBON	1K	5%	1/4W	
R317	1-249-417-11	CARBON	1K	5%	1/4W		R399	1-249-441-11	CARBON	100K	5%	1/4W	(DB940)
R318	1-249-421-11	CARBON	2.2K	5%	1/4W		R401	1-249-417-11	CARBON	1K	5%	1/4W	
R319	1-249-417-11	CARBON	1K	5%	1/4W		R402	1-249-417-11	CARBON	1K	5%	1/4W	
R320	1-249-417-11	CARBON	1K	5%	1/4W		R403	1-249-417-11	CARBON	1K	5%	1/4W	
R321	1-247-807-31	CARBON	100	5%	1/4W	(DB940)	R404	1-249-417-11	CARBON	1K	5%	1/4W	
R322	1-249-417-11	CARBON	1K	5%	1/4W	(DB940)	R405	1-249-417-11	CARBON	1K	5%	1/4W	
R326	1-249-417-11	CARBON	1K	5%	1/4W		R406	1-249-417-11	CARBON	1K	5%	1/4W	
R330	1-247-887-00	CARBON	220K	5%	1/4W	(DB940)	R407	1-249-417-11	CARBON	1K	5%	1/4W	
R331	1-247-887-00	CARBON	220K	5%	1/4W		R408	1-249-417-11	CARBON	1K	5%	1/4W	
R335	1-247-887-00	CARBON	220K	5%	1/4W		R413	1-249-441-11	CARBON	100K	5%	1/4W	
R336	1-249-429-11	CARBON	10K	5%	1/4W	(DB940)	R414	1-249-441-11	CARBON	100K	5%	1/4W	
R337	1-249-425-11	CARBON	4.7K	5%	1/4W	(DB940)	R415	1-249-441-11	CARBON	100K	5%	1/4W	
R338	1-249-441-11	CARBON	100K	5%	1/4W	(DB940)	R416	1-249-426-11	CARBON	5.6K	5%	1/4W	
R341	1-249-437-11	CARBON	47K	5%	1/4W		R417	1-249-425-11	CARBON	4.7K	5%	1/4W	
R342	1-249-425-11	CARBON	4.7K	5%	1/4W	(DB940)	R418	1-249-425-11	CARBON	4.7K	5%	1/4W	
R349	1-249-441-11	CARBON	100K	5%	1/4W	(DB940)	R419	1-249-437-11	CARBON	47K	5%	1/4W	
R351	1-249-421-11	CARBON	2.2K	5%	1/4W	(EXCEPT US, CND)	R420	1-249-437-11	CARBON	47K	5%	1/4W	
R352	1-249-441-11	CARBON	100K	5%	1/4W		R421	1-249-437-11	CARBON	47K	5%	1/4W	
R353	1-249-440-11	CARBON	82K	5%	1/4W		R430	1-247-887-00	CARBON	220K	5%	1/4W	(DB940)
R354	1-249-408-11	CARBON	180	5%	1/4W		R452	1-249-417-11	CARBON	1K	5%	1/4W	
R355	1-249-428-11	CARBON	8.2K	5%	1/4W		R453	1-249-417-11	CARBON	1K	5%	1/4W	
R356	1-249-441-11	CARBON	100K	5%	1/4W		R454	1-249-417-11	CARBON	1K	5%	1/4W	
R357	1-247-807-31	CARBON	100	5%	1/4W		R463	1-249-441-11	CARBON	100K	5%	1/4W	
R358	1-249-441-11	CARBON	100K	5%	1/4W		R464	1-249-441-11	CARBON	100K	5%	1/4W	
R359	1-249-413-11	CARBON	470	5%	1/4W		R465	1-249-441-11	CARBON	100K	5%	1/4W	
R360	1-249-417-11	CARBON	1K	5%	1/4W		R466	1-249-426-11	CARBON	5.6K	5%	1/4W	
R361	1-249-421-11	CARBON	2.2K	5%	1/4W		R467	1-249-437-11	CARBON	47K	5%	1/4W	
R362	1-249-417-11	CARBON	1K	5%	1/4W		R468	1-249-425-11	CARBON	4.7K	5%	1/4W	
R363	1-249-421-11	CARBON	2.2K	5%	1/4W	(DB940)	R469	1-249-437-11	CARBON	47K	5%	1/4W	
R364	1-249-417-11	CARBON	1K	5%	1/4W	(DB940)	R470	1-249-437-11	CARBON	47K	5%	1/4W	
R366	1-249-421-11	CARBON	2.2K	5%	1/4W		R471	1-249-437-11	CARBON	47K	5%	1/4W	
R367	1-249-417-11	CARBON	1K	5%	1/4W		R480	1-247-887-00	CARBON	220K	5%	1/4W	(DB940)
R368	1-249-421-11	CARBON	2.2K	5%	1/4W		R501	1-249-417-11	CARBON	1K	5%	1/4W	
R369	1-249-417-11	CARBON	1K	5%	1/4W		R502	1-249-439-11	CARBON	68K	5%	1/4W	
R370	1-249-417-11	CARBON	1K	5%	1/4W		R503	1-249-439-11	CARBON	68K	5%	1/4W	
R371	1-247-807-31	CARBON	100	5%	1/4W	(DB940)	R504	1-247-843-11	CARBON	3.3K	5%	1/4W	
R376	1-249-417-11	CARBON	1K	5%	1/4W		R505	1-249-439-11	CARBON	68K	5%	1/4W	
R380	1-247-887-00	CARBON	220K	5%	1/4W	(DB940)	△ R524	1-249-405-11	CARBON	100	5%	1/4W	F
R381	1-247-887-00	CARBON	220K	5%	1/4W		△ R525	1-249-405-11	CARBON	100	5%	1/4W	F
R385	1-247-887-00	CARBON	220K	5%	1/4W		△ R526	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F	
R388	1-249-441-11	CARBON	100K	5%	1/4W	(DB940)	R527	1-240-855-91	CARBON	6.2K	5%	1/4W	
R391	1-249-437-11	CARBON	47K	5%	1/4W		R528	1-249-425-11	CARBON	4.7K	5%	1/4W	
R392	1-249-425-11	CARBON	4.7K	5%	1/4W		R529	1-247-866-11	CARBON	30K	5%	1/4W	
							R530	1-247-843-11	CARBON	3.3K	5%	1/4W	(CND)
							R530	1-249-421-11	CARBON	2.2K	5%	1/4W	(AEP, UK)
							R530	1-249-424-11	CARBON	3.9K	5%	1/4W	(EXCEPT CND, AEP, UK)
							R531	1-249-433-11	CARBON	22K	5%	1/4W	
							R532	1-249-437-11	CARBON	47K	5%	1/4W	
							△ R533	1-249-393-11	CARBON	10	5%	1/4W	F

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以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
△ R534	1-249-389-11	CARBON	4.7 5% 1/4W F	R631	1-249-433-11	CARBON	22K 5% 1/4W
R535	1-249-431-11	CARBON	15K 5% 1/4W	R632	1-249-437-11	CARBON	47K 5% 1/4W
R539	1-249-427-11	CARBON	6.8K 5% 1/4W	△ R633	1-249-393-11	CARBON	10 5% 1/4W F
R540	1-249-417-11	CARBON	1K 5% 1/4W	R634	1-249-441-11	CARBON	100K 5% 1/4W
R541	1-249-436-11	CARBON	39K 5% 1/4W	R635	1-249-431-11	CARBON	15K 5% 1/4W
R542	1-249-429-11	CARBON	10K 5% 1/4W	R636	1-249-433-11	CARBON	22K 5% 1/4W
R547	1-249-425-11	CARBON	4.7K 5% 1/4W	△ R642	1-215-887-00	METAL OXIDE	150 5% 2W F (AEP, UK)
R548	1-249-429-11	CARBON	10K 5% 1/4W	△ R642	1-215-889-00	METAL OXIDE	330 5% 2W F (CND)
△ R549	1-249-393-11	CARBON	10 5% 1/4W F	△ R642	1-216-454-11	METAL OXIDE	390 5% 2W F (EXCEPT CND, AEP, UK)
R551	1-249-417-11	CARBON	1K 5% 1/4W	R643	1-249-433-11	CARBON	22K 5% 1/4W
R552	1-249-439-11	CARBON	68K 5% 1/4W	R647	1-249-429-11	CARBON	10K 5% 1/4W
R553	1-249-439-11	CARBON	68K 5% 1/4W	R648	1-249-425-11	CARBON	4.7K 5% 1/4W
R554	1-247-843-11	CARBON	3.3K 5% 1/4W	△ R649	1-249-393-11	CARBON	10 5% 1/4W F
R555	1-249-439-11	CARBON	68K 5% 1/4W	R650	1-249-425-11	CARBON	4.7K 5% 1/4W
R556	1-249-437-11	CARBON	47K 5% 1/4W	R651	1-249-417-11	CARBON	1K 5% 1/4W
△ R574	1-249-405-11	CARBON	100 5% 1/4W F	R652	1-249-427-11	CARBON	6.8K 5% 1/4W
△ R575	1-249-405-11	CARBON	100 5% 1/4W F	R653	1-249-441-11	CARBON	100K 5% 1/4W
△ R576	1-234-182-11	ENCAPSULATED COMPONENT 0.22	5W F	R654	1-249-439-11	CARBON	68K 5% 1/4W
△ R577	1-240-855-91	CARBON	6.2K 5% 1/4W F	R655	1-249-439-11	CARBON	68K 5% 1/4W
R578	1-249-425-11	CARBON	4.7K 5% 1/4W	R657	1-249-429-11	CARBON	10K 5% 1/4W
R579	1-247-866-11	CARBON	30K 5% 1/4W	△ R658	1-249-393-11	CARBON	10 5% 1/4W F
R580	1-247-843-11	CARBON	3.3K 5% 1/4W	△ R669	1-249-393-11	CARBON	10 5% 1/4W F
R580	1-249-421-11	CARBON	2.2K 5% 1/4W (CND) (AEP, UK)	R670	1-249-429-11	CARBON	10K 5% 1/4W
R580	1-249-424-11	CARBON	3.9K 5% 1/4W (EXCEPT CND, AEP, UK)	R671	1-249-425-11	CARBON	4.7K 5% 1/4W
R581	1-249-433-11	CARBON	22K 5% 1/4W	R680	1-249-429-11	CARBON	10K 5% 1/4W
R582	1-249-437-11	CARBON	47K 5% 1/4W	R681	1-249-425-11	CARBON	4.7K 5% 1/4W
△ R583	1-249-393-11	CARBON	10 5% 1/4W F	△ R682	1-249-393-11	CARBON	10 5% 1/4W F
△ R584	1-249-389-11	CARBON	4.7 5% 1/4W F	R690	1-249-433-11	CARBON	22K 5% 1/4W
R585	1-249-431-11	CARBON	15K 5% 1/4W	R695	1-249-420-11	CARBON	1.8K 5% 1/4W
R586	1-249-429-11	CARBON	10K 5% 1/4W	R696	1-249-431-11	CARBON	15K 5% 1/4W
R587	1-249-425-11	CARBON	4.7K 5% 1/4W	R701	1-249-417-11	CARBON	1K 5% 1/4W
△ R588	1-249-393-11	CARBON	10 5% 1/4W F	R702	1-249-439-11	CARBON	68K 5% 1/4W
R590	1-249-433-11	CARBON	22K 5% 1/4W	R703	1-249-439-11	CARBON	68K 5% 1/4W
△ R592	1-249-381-11	CARBON	1 5% 1/4W F	R704	1-249-418-11	CARBON	1.2K 5% 1/4W
△ R593	1-249-381-11	CARBON	1 5% 1/4W F	R705	1-249-439-11	CARBON	68K 5% 1/4W
R594	1-249-425-11	CARBON	4.7K 5% 1/4W	△ R724	1-249-405-11	CARBON	100 5% 1/4W F
R595	1-249-420-11	CARBON	1.8K 5% 1/4W	△ R725	1-249-405-11	CARBON	100 5% 1/4W F
R596	1-249-431-11	CARBON	15K 5% 1/4W	△ R726	1-234-182-11	ENCAPSULATED COMPONENT 0.22	5W F
R597	1-249-420-11	CARBON	1.8K 5% 1/4W	△ R727	1-240-855-91	CARBON	6.2K 5% 1/4W
R599	1-249-431-11	CARBON	15K 5% 1/4W	R728	1-249-425-11	CARBON	4.7K 5% 1/4W
R601	1-249-417-11	CARBON	1K 5% 1/4W	R729	1-247-866-11	CARBON	30K 5% 1/4W
R602	1-249-439-11	CARBON	68K 5% 1/4W	R730	1-247-843-11	CARBON	3.3K 5% 1/4W (CND)
R603	1-249-439-11	CARBON	68K 5% 1/4W	R730	1-249-421-11	CARBON	2.2K 5% 1/4W (AEP, UK)
R604	1-249-418-11	CARBON	1.2K 5% 1/4W	R730	1-249-424-11	CARBON	3.9K 5% 1/4W (EXCEPT CND, AEP, UK)
△ R624	1-249-405-11	CARBON	100 5% 1/4W F	R731	1-249-433-11	CARBON	22K 5% 1/4W
△ R625	1-249-405-11	CARBON	100 5% 1/4W F	R732	1-249-437-11	CARBON	47K 5% 1/4W
△ R626	1-234-182-11	ENCAPSULATED COMPONENT 0.22	5W F	△ R733	1-249-393-11	CARBON	10 5% 1/4W F
△ R627	1-240-855-91	CARBON	6.2K 5% 1/4W	R735	1-249-431-11	CARBON	15K 5% 1/4W
R628	1-249-425-11	CARBON	4.7K 5% 1/4W	△ R739	1-215-868-00	METAL OXIDE	680 5% 1W F
R629	1-247-866-11	CARBON	30K 5% 1/4W	R747	1-249-429-11	CARBON	10K 5% 1/4W
R630	1-247-843-11	CARBON	3.3K 5% 1/4W (CND)	R748	1-249-425-11	CARBON	4.7K 5% 1/4W
R630	1-249-421-11	CARBON	2.2K 5% 1/4W (AEP, UK)	△ R749	1-249-393-11	CARBON	10 5% 1/4W F
R630	1-249-424-11	CARBON	3.9K 5% 1/4W (EXCEPT CND, AEP, UK)				

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Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark			
R751	1-249-417-11	CARBON	1K	5%	1/4W		A-4428-858-A	OSD BOARD, COMPLETE (DB940: US, CND)				
R752	1-249-439-11	CARBON	68K	5%	1/4W		A-4428-859-A	OSD BOARD, COMPLETE				
R753	1-249-439-11	CARBON	68K	5%	1/4W			(DB940: AEP, UK, E, AUS, CH)				
R754	1-249-418-11	CARBON	1.2K	5%	1/4W			*****				
R755	1-249-439-11	CARBON	68K	5%	1/4W			< CAPACITOR >				
△ R774	1-249-405-11	CARBON	100	5%	1/4W	F	C2001	1-126-925-11	ELECT	470uF	20%	10V
△ R775	1-249-405-11	CARBON	100	5%	1/4W	F	C2002	1-126-925-11	ELECT	470uF	20%	10V
△ R776	1-234-182-11	ENCAPSULATED COMPONENT	0.22	5W	F		C2003	1-164-159-11	CERAMIC	0.1uF		50V
△ R777	1-240-855-91	CARBON	6.2K	5%	1/4W		C2004	1-164-159-11	CERAMIC	0.1uF		50V
R778	1-249-425-11	CARBON	4.7K	5%	1/4W		C2005	1-126-960-11	ELECT	1uF	20%	50V
R782	1-249-437-11	CARBON	47K	5%	1/4W							
△ R783	1-249-393-11	CARBON	10	5%	1/4W	F	C2006	1-104-664-11	ELECT	47uF	20%	16V
△ R789	1-215-868-00	METAL OXIDE	680	5%	1W	F	C2007	1-128-801-11	CERAMIC	22PF	5%	50V
R790	1-249-433-11	CARBON	22K	5%	1/4W							(EXCEPT US, CND)
R791	1-249-431-11	CARBON	15K	5%	1/4W		C2008	1-162-198-31	CERAMIC	8.2PF	10%	50V
												(EXCEPT US, CND)
R795	1-249-420-11	CARBON	1.8K	5%	1/4W		C2009	1-128-801-11	CERAMIC	22PF	5%	50V
R796	1-249-420-11	CARBON	1.8K	5%	1/4W		C2010	1-164-159-11	CERAMIC	0.1uF		50V
R799	1-249-431-11	CARBON	15K	5%	1/4W							
		< RELAY >					C2011	1-162-198-31	CERAMIC	8.2PF	10%	50V
							C2012	1-104-664-11	ELECT	47uF	20%	16V
RY301	1-515-793-11	RELAY (DB940)					C2013	1-164-159-11	CERAMIC	0.1uF		50V
RY501	1-515-920-11	RELAY (24V)					C2014	1-162-199-31	CERAMIC	10PF	5%	50V
RY502	1-515-920-11	RELAY (24V)					C2015	1-128-803-11	CERAMIC	33PF	5%	50V
RY601	1-515-920-11	RELAY (24V)					C2016	1-128-809-11	CERAMIC	100PF	5%	50V
RY602	1-515-793-11	RELAY					C2017	1-104-656-11	ELECT	2200uF	20%	6.3V
							C2018	1-126-964-11	ELECT	10uF	20%	50V
RY671	1-515-793-11	RELAY					C2019	1-164-159-11	CERAMIC	0.1uF		50V
RY681	1-515-793-11	RELAY					C2020	1-126-964-11	ELECT	10uF	20%	50V
RY701	1-515-920-11	RELAY (24V)										
*****						C2021	1-164-159-11	CERAMIC	0.1uF			50V
												(EXCEPT US, CND)
	1-677-008-11	MUTING BOARD					C2022	1-104-664-11	ELECT	47uF	20%	16V
		*****										(EXCEPT US, CND)
		< CAPACITOR >					C2023	1-164-159-11	CERAMIC	0.1uF		50V
							C2024	1-126-964-11	ELECT	10uF	20%	50V
C116	1-164-159-11	CERAMIC	0.1uF		50V		C2025	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >					C2026	1-126-964-11	ELECT	10uF	20%	50V
							C2027	1-126-964-11	ELECT	10uF	20%	50V
CNS105	1-770-404-11	HOUSING, CONNECTOR (PC BOARD)	11P				C2028	1-164-159-11	CERAMIC	0.1uF		50V
		< DIODE >					C2029	1-128-805-11	CERAMIC	47PF	5%	50V
							C2030	1-164-159-11	CERAMIC	0.1uF		50V
D123	8-719-046-39	LED SEL5821A-TP15 (MUTING)					C2031	1-128-805-11	CERAMIC	47PF	5%	50V
		< RESISTOR >					C2032	1-128-805-11	CERAMIC	47PF	5%	50V
							C2033	1-164-159-11	CERAMIC	0.1uF		50V
R102	1-249-411-11	CARBON	330	5%	1/4W		C2034	1-164-159-11	CERAMIC	0.1uF		50V
R164	1-249-411-11	CARBON	330	5%	1/4W		C2035	1-126-964-11	ELECT	10uF	20%	50V
		< ROTARY ENCODER >					C2036	1-104-664-11	ELECT	47uF	20%	16V
							C2037	1-164-159-11	CERAMIC	0.1uF		50V
RV101	1-467-808-21	ENCODER, ROTARY (-/+)					C2038	1-164-159-11	CERAMIC	0.1uF		50V
		< SWITCH >					C2039	1-164-159-11	CERAMIC	0.1uF		50V
							C2040	1-126-916-11	ELECT	1000uF	20%	6.3V
							C2041	1-126-964-11	ELECT	10uF	20%	50V
S163	1-762-875-21	SWITCH, KEYBOARD (MODE)					C2042	1-126-964-11	ELECT	10uF	20%	50V
S164	1-762-875-21	SWITCH, KEYBOARD (MUTING)					C2043	1-164-159-11	CERAMIC	0.1uF		50V
*****						C2044	1-164-159-11	CERAMIC	0.1uF			50V
						C2045	1-164-159-11	CERAMIC	0.1uF			50V
							C2046	1-126-960-11	ELECT	1uF	20%	50V
							C2047	1-126-964-11	ELECT	10uF	20%	50V
							C2048	1-164-159-11	CERAMIC	0.1uF		50V
							C2049	1-104-664-11	ELECT	47uF	20%	16V

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark		
C2050	1-126-916-11	ELECT	1000uF	20%	6.3V
C2051	1-126-964-11	ELECT	10uF	20%	50V
C2052	1-164-159-11	CERAMIC	0.1uF		50V
C2053	1-127-868-11	CERAMIC	2200PF	10%	50V
C2054	1-126-960-11	ELECT	1uF	20%	50V
C2055	1-164-159-11	CERAMIC	0.1uF		50V
C2056	1-164-159-11	CERAMIC	0.1uF		50V
C2057	1-128-805-11	CERAMIC	47PF	5%	50V
C2058	1-128-805-11	CERAMIC	47PF	5%	50V
C2059	1-128-805-11	CERAMIC	47PF	5%	50V
C2060	1-128-805-11	CERAMIC	47PF	5%	50V
C2062	1-128-805-11	CERAMIC	47PF	5%	50V
< CONNECTOR >					
CNP251	1-568-826-11	CONNECTOR, FFC 7P			
CNP252	1-695-091-11	PIN, CONNECTOR (PC BOARD) 15P			
CNP253	1-784-921-11	PIN, CONNECTOR 4P			
< TRIMMER >					
CT2001	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			(EXCEPT US, CND)
CT2002	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
CT2003	1-141-442-91	CAP, CERAMIC TRIMMER 20PF			
< DIODE >					
D2001	8-719-911-19	DIODE 1SS133T-72			
D2002	8-719-911-19	DIODE 1SS133T-72			
D2003	8-719-911-19	DIODE 1SS133T-72			
D2004	8-719-911-19	DIODE 1SS133T-72			
D2005	8-719-911-19	DIODE 1SS133T-72			
< FERRITE BEAD >					
FB2001	1-424-543-11	FERRITE BEAD			
FB2002	1-424-543-11	FERRITE BEAD			
FB2003	1-412-911-11	FERRITE BEAD			
< NOISE FILTER >					
FI2001	1-416-300-21	FILTER, NOISE (EXCEPT US, CND)			
FI2002	1-416-300-21	FILTER, NOISE			
FI2003	1-416-300-21	FILTER, NOISE (EXCEPT US, CND)			
< IC >					
IC2001	8-759-917-18	IC TC74HCU04AP			
IC2002	8-759-666-34	IC BA7622			
IC2003	8-759-232-01	IC TC74HC00AP (EXCEPT US, CND)			
IC2004	8-759-647-08	IC MB90089PF-234-ER			
IC2005	8-759-529-20	IC NJM2296D			
IC2006	8-759-822-05	IC LA7213			
IC2008	8-759-822-05	IC LA7213			
< JACK >					
J2001	1-774-227-21	JACK, PIN 1P (MONITOR)			
J2002	1-770-337-21	JACK, PIN 3P (VIDEO 1, VIDEO 2)			
J2003	1-770-337-21	JACK, PIN 3P (TV/SAT, DVD/LD, VIDEO 2)			
J2004	1-563-330-11	JACK (CONTROL A1 II)			

Ref. No.	Part No.	Description	Remark		
< COIL >					
L2001	1-410-973-11	INDUCTOR	22uH		
< TRANSISTOR >					
Q2001	8-729-119-79	TRANSISTOR	2SC2785TP-FEK		
Q2002	8-729-119-79	TRANSISTOR	2SC2785TP-FEK		
< RESISTOR >					
R2001	1-249-417-11	CARBON	1K	5%	1/4W
R2002	1-247-804-11	CARBON	75	5%	1/4W
R2003	1-249-417-11	CARBON	1K	5%	1/4W
R2004	1-247-903-00	CARBON	1M	5%	1/4W
R2005	1-247-903-00	CARBON	1M	5%	(EXCEPT US, CND) 1/4W
R2006	1-249-417-11	CARBON	1K	5%	1/4W
R2007	1-249-425-11	CARBON	4.7K	5%	1/4W
R2008	1-247-804-11	CARBON	75	5%	1/4W
R2009	1-247-804-11	CARBON	75	5%	1/4W
R2010	1-247-804-11	CARBON	75	5%	1/4W
R2011	1-247-804-11	CARBON	75	5%	1/4W
R2012	1-249-437-11	CARBON	47K	5%	1/4W
R2013	1-247-804-11	CARBON	75	5%	1/4W
R2014	1-247-804-11	CARBON	75	5%	1/4W
R2015	1-249-437-11	CARBON	47K	5%	1/4W
R2016	1-249-437-11	CARBON	47K	5%	1/4W
R2017	1-249-424-11	CARBON	3.9K	5%	1/4W
R2018	1-249-418-11	CARBON	1.2K	5%	1/4W
R2019	1-249-437-11	CARBON	47K	5%	1/4W
R2020	1-249-411-11	CARBON	330	5%	1/4W
R2021	1-249-411-11	CARBON	330	5%	1/4W
R2022	1-247-804-11	CARBON	75	5%	(EXCEPT US, CND) 1/4W
R2023	1-247-883-00	CARBON	150K	5%	1/4W
R2024	1-249-411-11	CARBON	330	5%	1/4W
R2025	1-249-421-11	CARBON	2.2K	5%	1/4W
R2026	1-247-804-11	CARBON	75	5%	1/4W
R2027	1-247-807-31	CARBON	100	5%	(EXCEPT US, CND) 1/4W
R2028	1-247-883-00	CARBON	150K	5%	1/4W
R2029	1-249-411-11	CARBON	330	5%	1/4W
R2030	1-249-393-11	CARBON	10	5%	1/4W
R2031	1-249-393-11	CARBON	10	5%	1/4W
R2032	1-249-393-11	CARBON	10	5%	1/4W
R2033	1-247-804-11	CARBON	75	5%	1/4W
R2034	1-249-417-11	CARBON	1K	5%	(EXCEPT US, CND) 1/4W
R2035	1-247-804-11	CARBON	75	5%	1/4W
R2036	1-247-807-31	CARBON	100	5%	(EXCEPT US, CND) 1/4W
R2037	1-247-807-31	CARBON	100	5%	1/4W
R2038	1-247-804-11	CARBON	75	5%	(US, CND) 1/4W
< VIBRATOR >					
X2001	1-781-820-21	VIBRATOR, CRYSTAL (17.34MHz)			(EXCEPT US, CND)

Ref. No.	Part No.	Description	Remark			
X2002	1-781-821-21	VIBRATOR, CRYSTAL (14MHz)	*****			
	1-677-007-11	POWER BOARD	*****			
		< CAPACITOR >				
C101	1-104-664-11	ELECT	47uF	20%	16V	
C113	1-164-159-11	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
CNS106	1-770-404-11	HOUSING, CONNECTOR (PC BOARD) 11P				
		< DIODE >				
D104	8-719-911-19	DIODE 1SS133T-72				
D105	8-719-911-19	DIODE 1SS133T-72				
		< IC >				
IC101	8-759-459-85	IC NJL63H400A (R)				
		< RESISTOR >				
R105	1-249-393-11	CARBON	10	5%	1/4W	
R135	1-249-411-11	CARBON	330	5%	1/4W	
R208	1-249-429-11	CARBON	10K	5%	1/4W	
		< SWITCH >				
S101	1-762-875-21	SWITCH, KEYBOARD (I/⏻)				
S102	1-762-268-11	SWITCH, ROTARY (SPEAKERS)				
S134	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)				
S135	1-762-875-21	SWITCH, KEYBOARD (DIMMER)				

	1-676-991-11	SP BOARD	*****			
		< CAPACITOR >				
CC41	1-128-809-11	CERAMIC	100PF	5%	50V	
CC42	1-128-809-11	CERAMIC	100PF	5%	50V	
CC43	1-128-809-11	CERAMIC	100PF	5%	50V	
CC46	1-128-809-11	CERAMIC	100PF	5%	50V	
CC47	1-128-809-11	CERAMIC	100PF	5%	50V	
CC48	1-128-817-11	CERAMIC	470PF	5%	50V	
		(EXCEPT US, CND)				
CC49	1-128-817-11	CERAMIC	470PF	5%	50V	
		(EXCEPT US, CND)				
CC96	1-128-809-11	CERAMIC	100PF	5%	50V	
CC97	1-128-809-11	CERAMIC	100PF	5%	50V	
CC98	1-128-817-11	CERAMIC	470PF	5%	50V	
		(EXCEPT US, CND)				
CC99	1-128-817-11	CERAMIC	470PF	5%	50V	
		(EXCEPT US, CND)				
CC152	1-128-809-11	CERAMIC	100PF	5%	50V	
		< JACK >				
JJ101	1-784-935-11	JACK, PIN 6P (FRONT/REAR/SUB WOOFER)				
		(DB840)				
JJ101	1-784-935-21	JACK, PIN 6P (FRONT/REAR/SUB WOOFER)				
		(DB940)				
JJ102	1-774-785-11	JACK, PIN 1P (CENTER) (DB840)				

Ref. No.	Part No.	Description	Remark			
JJ102	1-785-298-11	JACK, PIN 1P (CENTER) (DB940)				
		< COIL >				
L601	1-411-906-11	COIL, AIR-CORE				
L701	1-411-906-11	COIL, AIR-CORE				
L751	1-411-906-11	COIL, AIR-CORE				
		< RESISTOR >				
△R634	1-249-389-11	CARBON	4.7	5%	1/4W	F
△R734	1-249-389-11	CARBON	4.7	5%	1/4W	F
△R784	1-249-389-11	CARBON	4.7	5%	1/4W	F
△RR48	1-249-393-11	CARBON	10	5%	1/4W	F
		(EXCEPT US, CND)				
△RR49	1-249-393-11	CARBON	10	5%	1/4W	F
		(EXCEPT US, CND)				
△RR98	1-249-393-11	CARBON	10	5%	1/4W	F
		(EXCEPT US, CND)				
△RR99	1-249-393-11	CARBON	10	5%	1/4W	F
		(EXCEPT US, CND)				
RR101	1-249-417-11	CARBON	1K	5%	1/4W	
RR102	1-249-417-11	CARBON	1K	5%	1/4W	
RR103	1-249-434-11	CARBON	27K	5%	1/4W	
RR151	1-249-417-11	CARBON	1K	5%	1/4W	
RR152	1-249-417-11	CARBON	1K	5%	1/4W	
RR153	1-249-434-11	CARBON	27K	5%	1/4W	
RR201	1-249-417-11	CARBON	1K	5%	1/4W	
RR202	1-249-417-11	CARBON	1K	5%	1/4W	
RR203	1-249-434-11	CARBON	27K	5%	1/4W	
RR251	1-249-417-11	CARBON	1K	5%	1/4W	
RR301	1-249-417-11	CARBON	1K	5%	1/4W	
RR302	1-249-417-11	CARBON	1K	5%	1/4W	
RR303	1-249-434-11	CARBON	27K	5%	1/4W	
RR351	1-249-417-11	CARBON	1K	5%	1/4W	
RR352	1-249-417-11	CARBON	1K	5%	1/4W	
RR353	1-249-434-11	CARBON	27K	5%	1/4W	
		< TERMINAL BOARD >				
* TM501	1-694-454-21	TERMINAL BOARD (SP) (FRONT SPEAKERS)				
TM701	1-694-432-21	TERMINAL BOARD (SP)				
		(REAR/CENTER SPEAKERS)				

	1-677-006-11	SW BOARD	*****			
		< CAPACITOR >				
C111	1-164-159-11	CERAMIC	0.1uF		50V	
C112	1-164-159-11	CERAMIC	0.1uF		50V	
C114	1-164-159-11	CERAMIC	0.1uF		50V	
C115	1-164-159-11	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
CNS108	1-784-806-11	HOUSING, CONNECTOR (PC BOARD) 13P				
		< DIODE >				
D111	8-719-032-98	LED SEL5820A-TP15 (LEVEL)				
D112	8-719-032-98	LED SEL5820A-TP15 (SUR)				
D113	8-719-032-98	LED SEL5820A-TP15 (EQ)				
D114	8-719-032-98	LED SEL5820A-TP15 (NAME)				

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

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以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remark		
D115	8-719-032-98	LED SEL5820A-TP15 (SET UP)			
		< RESISTOR >			
R112	1-249-411-11	CARBON	330	5%	1/4W
R113	1-249-413-11	CARBON	470	5%	1/4W
R114	1-249-415-11	CARBON	680	5%	1/4W
R115	1-249-417-11	CARBON	1K	5%	1/4W
R116	1-249-419-11	CARBON	1.5K	5%	1/4W
R117	1-249-421-11	CARBON	2.2K	5%	1/4W
R118	1-249-425-11	CARBON	4.7K	5%	1/4W
R122	1-249-411-11	CARBON	330	5%	1/4W
R123	1-249-413-11	CARBON	470	5%	1/4W
R124	1-249-415-11	CARBON	680	5%	1/4W
R125	1-249-417-11	CARBON	1K	5%	1/4W
R126	1-249-419-11	CARBON	1.5K	5%	1/4W
R127	1-249-421-11	CARBON	2.2K	5%	1/4W
R128	1-249-425-11	CARBON	4.7K	5%	1/4W
R132	1-249-411-11	CARBON	330	5%	1/4W
R133	1-249-413-11	CARBON	470	5%	1/4W
R134	1-249-415-11	CARBON	680	5%	1/4W
R142	1-249-417-11	CARBON	1K	5%	1/4W
R143	1-249-419-11	CARBON	1.5K	5%	1/4W
R144	1-249-421-11	CARBON	2.2K	5%	1/4W
R145	1-249-425-11	CARBON	4.7K	5%	1/4W
R152	1-249-411-11	CARBON	330	5%	1/4W
R153	1-249-413-11	CARBON	470	5%	1/4W
R162	1-249-417-11	CARBON	1K	5%	1/4W
R163	1-249-415-11	CARBON	680	5%	1/4W
RR61	1-249-411-11	CARBON	330	5%	1/4W
		< ROTARY ENCODER >			
RV102	1-418-921-11	ENCODER, ROTARY (-/+)			
		< SWITCH >			
S111	1-762-875-21	SWITCH, KEYBOARD (ENTER)			
S112	1-762-875-21	SWITCH, KEYBOARD (>)			
S113	1-762-875-21	SWITCH, KEYBOARD (<)			
S114	1-762-875-21	SWITCH, KEYBOARD (LEVEL)			
S115	1-762-875-21	SWITCH, KEYBOARD (SUR)			
S116	1-762-875-21	SWITCH, KEYBOARD (EQ)			
S117	1-762-875-21	SWITCH, KEYBOARD (NAME)			
S118	1-762-875-21	SWITCH, KEYBOARD (SET UP)			
S121	1-762-875-21	SWITCH, KEYBOARD (EQUALIZER)			
S122	1-762-875-21	SWITCH, KEYBOARD (INPUT MODE)			
S123	1-762-875-21	SWITCH, KEYBOARD (TEST TONE (EXCEPT AEP, UK), RDS EON (AEP, UK))			
S124	1-762-875-21	SWITCH, KEYBOARD (TUNING + (EXCEPT AEP, UK), TUNING/PTY SELECT + (AEP, UK))			
S125	1-762-875-21	SWITCH, KEYBOARD (TUNING - (EXCEPT AEP, UK), TUNING/PTY SELECT - (AEP, UK))			
S126	1-762-875-21	SWITCH, KEYBOARD (SLEEP (EXCEPT AEP, UK), RDS PTY (AEP, UK))			
S127	1-762-875-21	SWITCH, KEYBOARD (FM MODE)			
S128	1-762-875-21	SWITCH, KEYBOARD (MEMORY)			
S131	1-762-875-21	SWITCH, KEYBOARD (FM/AM)			

Ref. No.	Part No.	Description	Remark		
S132	1-762-875-21	SWITCH, KEYBOARD (SHIFT)			
S133	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING -)			
S141	1-762-875-21	SWITCH, KEYBOARD (A)			
S142	1-762-875-21	SWITCH, KEYBOARD (B)			
S143	1-762-875-21	SWITCH, KEYBOARD (C)			
S144	1-762-875-21	SWITCH, KEYBOARD (A.F.D.)			
S145	1-762-875-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S151	1-762-875-21	SWITCH, KEYBOARD (2CH)			
S152	1-762-875-21	SWITCH, KEYBOARD (MODE -)			
S153	1-762-875-21	SWITCH, KEYBOARD (MODE +)			
S161	1-762-875-21	SWITCH, KEYBOARD (ANLG DIRECT)			
S162	1-762-875-21	SWITCH, KEYBOARD (5.1CH INPUT)			

	A-4428-851-A	S-VIDEO BOARD, COMPLETE	(DB840: US, CND)		
	A-4428-852-A	S-VIDEO BOARD, COMPLETE	(DB840: AEP, UK)		
	A-4428-853-A	S-VIDEO BOARD, COMPLETE	(DB940: US, CND)		
	A-4428-854-A	S-VIDEO BOARD, COMPLETE	(DB940: AEP, UK, E, AUS, CH)		

< CAPACITOR >					
C252	1-136-165-00	MYLAR	0.1uF	5%	50V
C253	1-126-964-11	ELECT	10uF	20%	50V
C255	1-136-165-00	MYLAR	0.1uF	5%	50V
C256	1-126-964-11	ELECT	10uF	20%	50V
C257	1-136-165-00	MYLAR	0.1uF	5%	50V
C258	1-126-964-11	ELECT	10uF	20%	50V
C259	1-126-964-11	ELECT	10uF	20%	50V
C260	1-136-165-00	MYLAR	0.1uF	5%	50V
C262	1-164-159-11	CERAMIC	0.1uF		50V
C263	1-164-159-11	CERAMIC	0.1uF		50V
C265	1-164-159-11	CERAMIC	0.1uF		50V
C266	1-164-159-11	CERAMIC	0.1uF		50V
C267	1-128-805-11	CERAMIC	47PF	5%	50V
C268	1-128-805-11	CERAMIC	47PF	5%	50V
C269	1-128-805-11	CERAMIC	47PF	5%	50V
C270	1-128-805-11	CERAMIC	47PF	5%	50V
C271	1-104-664-11	ELECT	47uF	20%	16V
					(US, CND)
C272	1-128-817-11	CERAMIC	470PF	5%	50V
					(US, CND)
C273	1-128-825-11	CERAMIC	2200PF	5%	50V
C274	1-128-825-11	CERAMIC	2200PF	5%	50V
C275	1-128-825-11	CERAMIC	2200PF	5%	50V
C276	1-128-817-11	CERAMIC	470PF	5%	50V
					(US, CND)
< CONNECTOR >					
* CNS210	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CNS211	1-695-094-11	SOCKET, CONNECTOR 11P (DB840)			
CNS211	1-695-096-11	SOCKET, CONNECTOR 15P (DB940)			
CNS215	1-784-776-11	CONNECTOR, FFC 15P			
< DIODE >					
D204	8-719-911-19	DIODE 1SS133T-72			
D205	8-719-911-19	DIODE 1SS133T-72			

S-VIDEO

VIDEO

VIDEO 3

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
< IC >						C202	1-126-964-11	ELECT	10uF	20%	50V
						C203	1-126-964-11	ELECT	10uF	20%	50V
IC251	8-759-529-20	IC NJM2296D				C204	1-126-964-11	ELECT	10uF	20%	50V
IC252	8-759-529-20	IC NJM2296D				C205	1-128-805-11	CERAMIC	47PF	5%	50V
IC253	8-759-666-33	IC NJM2145D (US, CND)				C206	1-128-805-11	CERAMIC	47PF	5%	50V
< JACK >						C207	1-128-805-11	CERAMIC	47PF	5%	50V
J251	1-537-943-11	TERMINAL, S (MONITOR) (DB840)				C208	1-126-964-11	ELECT	10uF	20%	50V
J251	1-779-800-11	TERMINAL, S (MONITOR) (DB940)				C209	1-164-159-11	CERAMIC	0.1uF		50V
J252	1-764-676-11	CONNECTOR (ROUND TYPE) (VIDEO 1) (DB840)				C210	1-164-159-11	CERAMIC	0.1uF		50V
J252	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO 1) (DB940)				C211	1-164-159-11	CERAMIC	0.1uF		50V
J253	1-764-676-11	CONNECTOR (ROUND TYPE) (TV/SAT, DVD/LD) (DB840)				C212	1-164-159-11	CERAMIC	0.1uF		50V
J253	1-779-801-11	CONNECTOR (ROUND TYPE) (TV/SAT, DVD/LD) (DB940)				C213	1-104-664-11	ELECT	47uF	20%	16V
J255	1-563-330-11	JACK (VIDEO 1) (US, CND)				C215	1-164-159-11	CERAMIC	0.1uF		50V
J256	1-563-330-11	JACK (DVD/LD) (US, CND)				C216	1-104-664-11	ELECT	47uF	20%	16V
J257	1-563-330-11	JACK (TV/SAT) (US, CND)				C217	1-164-159-11	CERAMIC	0.1uF		50V
J258	1-563-330-11	JACK (MONITER) (US, CND)				C218	1-164-159-11	CERAMIC	0.1uF		50V
< TRANSISTOR >						C219	1-164-159-11	CERAMIC	0.1uF		50V
Q201	8-729-900-80	TRANSISTOR BA1A4M-TP (US, CND)				< CONNECTOR >					
Q202	8-729-422-57	TRANSISTOR BN1A4M-TP (US, CND)				CNS212	1-695-094-11	SOCKET, CONNECTOR 11P (DB840)			
< RESISTOR >						< DIODE >					
R209	1-247-804-11	CARBON	75	5%	1/4W	D201	8-719-911-19	DIODE 1SS133T-72 (DB840)			
R210	1-247-804-11	CARBON	75	5%	1/4W	D202	8-719-911-19	DIODE 1SS133T-72 (DB840)			
R211	1-249-417-11	CARBON	1K	5%	1/4W (US, CND)	< IC >					
R212	1-249-417-11	CARBON	1K	5%	1/4W (US, CND)	IC201	8-759-529-20	IC NJM2296D			
R213	1-249-417-11	CARBON	1K	5%	1/4W (US, CND)	< JACK >					
R214	1-249-417-11	CARBON	1K	5%	1/4W (US, CND)	J201	1-774-227-11	JACK, PIN 1P (MONITER)			
R215	1-249-429-11	CARBON	10K	5%	1/4W (US, CND)	J202	1-770-337-11	JACK, PIN 3P (VIDEO 1, VIDEO 2)			
R216	1-249-429-11	CARBON	10K	5%	1/4W (US, CND)	J203	1-770-337-11	JACK, PIN 3P (TV/SAT, DVD/LD, VIDEO 2)			
R217	1-249-429-11	CARBON	10K	5%	1/4W (US, CND)	J204	1-563-330-11	JACK (CONTROL A1 II)			
R251	1-247-804-11	CARBON	75	5%	1/4W	< RESISTOR >					
R252	1-247-804-11	CARBON	75	5%	1/4W	R201	1-247-804-11	CARBON	75	5%	1/4W
R253	1-247-804-11	CARBON	75	5%	1/4W	R202	1-247-804-11	CARBON	75	5%	1/4W
R254	1-247-804-11	CARBON	75	5%	1/4W	R203	1-247-804-11	CARBON	75	5%	1/4W
R255	1-247-804-11	CARBON	75	5%	1/4W	R204	1-247-804-11	CARBON	75	5%	1/4W
R257	1-247-804-11	CARBON	75	5%	1/4W	R205	1-247-804-11	CARBON	75	5%	1/4W
R258	1-247-804-11	CARBON	75	5%	1/4W	R206	1-247-804-11	CARBON	75	5%	1/4W
R259	1-247-804-11	CARBON	75	5%	1/4W	R207	1-247-804-11	CARBON	75	5%	1/4W
R260	1-247-804-11	CARBON	75	5%	1/4W	R208	1-247-804-11	CARBON	75	5%	1/4W
R261	1-247-804-11	CARBON	75	5%	1/4W	*****					
*****						1-677-010-11	VIDEO 3 BOARD	*****			
< CAPACITOR >						< CAPACITOR >					
1-676-994-11 VIDEO BOARD (DB840) *****						C299	1-164-159-11	CERAMIC	0.1uF		50V
< CAPACITOR >						C882	1-128-805-11	CERAMIC	47PF	5%	50V
C201	1-126-964-11	ELECT	10uF	20%	50V	C892	1-162-302-11	CERAMIC	0.0022uF	30%	16V
						C893	1-162-302-11	CERAMIC	0.0022uF	30%	16V
						< CONNECTOR >					
						CNP307	1-784-923-11	PIN, CONNECTOR 7P			

Ref. No.	Part No.	Description	Remark
		< EARTH TERMINAL >	
* EB702	1-537-738-21	TERMINAL, EARTH	
		< JACK >	
J809	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT)	
J810	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 INPUT)	
		< RESISTOR >	
R890	1-249-417-11	CARBON 1K 5% 1/4W	
R891	1-249-417-11	CARBON 1K 5% 1/4W	

	1-677-009-11	VOL BOARD	

		< CONNECTOR >	
CNP101	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P	
		< CONNECTOR >	
CNS111	1-784-784-11	CONNECTOR, FFC 23P	
		< VARIABLE RESISTOR >	
RV401	1-225-445-12	RES, VAR, CARBON 100K/100KX5 (MASTER VOLUME)	

		MISCELLANEOUS	

64	1-773-185-11	WIRE (FLAT TYPE) (23 CORE) (19cm) (US, CND, E, AUS, CH)	
64	1-773-194-11	WIRE (FLAT TYPE) (23 CORE) (29cm) (AEP, UK)	
65	1-590-486-11	WIRE (FLAT TYPE) (7 CORE) (DB940)	
106	1-773-150-11	WIRE (FLAT TYPE) (21 CORE) (160mm)	
107	1-773-004-11	WIRE (FLAT TYPE) (15 CORE) (100mm)	
108	1-773-001-11	WIRE (FLAT TYPE) (15 CORE) (70mm)	
△ 110	1-696-847-11	CORD, POWER (AUS)	
△ 110	1-769-743-11	CORD, POWER (CND)	
△ 110	1-769-744-11	CORD, POWER (AEP, UK, E)	
△ 110	1-782-464-21	CORD, POWER (CH)	
△ 110	1-783-820-11	CORD, POWER (US)	
△ 111	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
154	1-757-016-11	WIRE (FLAT TYPE WITH SHIELD) (23 CORE) (19cm)	
△ T901	1-435-423-11	TRANSFORMER, POWER (AUS)	
△ T901	1-435-424-11	TRANSFORMER, POWER (AEP, UK, E, CH)	
△ T901	1-435-425-11	TRANSFORMER, POWER (CND)	
△ T901	1-435-426-11	TRANSFORMER, POWER (US)	
TM301	1-693-407-23	TUNER (US, CND)	
TM301	1-693-409-23	TUNER (EXCEPT US, CND)	

Ref. No.	Part No.	Description	Remark

		HARDWARE LIST	

#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-853-04	SCREW +BVTT 2X6 (S)	
#3	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3	
#4	7-685-872-09	SCREW +BVTT 3X8 (S)	
#5	7-685-885-09	SCREW +BVTT 4X16 (S)	

		ACCESSORIES & PACKING MATERIALS	

1-418-866-11		REMOTE COMMANDER RM-LJ304 (DB940)	
1-418-875-11		REMOTE COMMANDER RM-LP204 (DB840: US, CND)	
1-501-594-11		ANTENNA (FM) (AEP, UK, E, AU, CH)	
1-501-721-11		ANTENNA (LOOP)	
1-776-258-11		CORD, AVC CONNECTION (US, CND)	
1-777-172-11		CORD, CONNECTION (US, CND)	
1-793-184-21		CONNECTOR (F TYPE ADAPTOR) (US, CND)	
4-210-990-01		LID, BATTERY CASE (for RM-LJ304, LP204)	
4-227-692-11		MANUAL, INSTRUCTION (ENGLISH) (for RM-PP404)	
4-227-692-21		MANUAL, INSTRUCTION (FRENCH, SPANISH) (for RM-PP404)	
4-227-692-41		MANUAL, INSTRUCTION (ENGLISH, POLISH, RUSSIAN) (for RM-PP404)	
4-227-692-51		MANUAL, INSTRUCTION (DANISH, FINNISH) (for RM-PP404)	
4-227-692-61		MANUAL, INSTRUCTION (DUTCH, SWEDISH, GERMAN, ITALIAN, PORTUGUESE) (for RM-PP404)	
4-227-692-71		MANUAL, INSTRUCTION (GREEK, TURKISH) (for RM-PP404)	
4-227-952-11		MANUAL, INSTRUCTION (ENGLISH) (for RM-LJ304)	
4-227-952-21		MANUAL, INSTRUCTION (FRENCH, SPANISH) (for RM-LJ304)	
4-227-952-31		MANUAL, INSTRUCTION (CHINESE) (for RM-LJ304)	
4-227-952-41		MANUAL, INSTRUCTION (DUTCH, SWEDISH, GERMAN, ITALIAN, PORTUGUESE) (for RM-LJ304)	
4-227-952-51		MANUAL, INSTRUCTION (DANISH, FINNISH) (for RM-LJ304)	
4-227-953-12		MANUAL, INSTRUCTION (ENGLISH) (for RM-LP204)	
4-227-953-21		MANUAL, INSTRUCTION (FRENCH, SPANISH) (for RM-LP204)	
4-229-127-11		MANUAL, INSTRUCTION (ENGLISH) (US, CND, UK, E, AU, CH)	
4-229-127-21		MANUAL, INSTRUCTION (FRENCH) (CND)	
4-229-127-31		MANUAL, INSTRUCTION (SPANISH, CHINESE) (E)	
4-229-127-41		MANUAL, INSTRUCTION (CHINESE) (CH)	
4-229-127-51		MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, DUTCH)(AEP)	
4-229-127-61		MANUAL, INSTRUCTION (SWEDISH, GERMAN, ITALIAN, PORTUGUESE) (AEP)	
4-229-127-71		MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP)	

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.

以阴影和 △ 标志来识别的零部件，在安全方面具有关键性。因此只能以规定号码的零部件来更换。

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
	4-978-977-01	LID, BATTERY CASE (for RM-PP404)	
	8-917-423-90	REMOTE COMMANDER RM-PP404 (DB840: AEP, UK)	

