

STR-DB725/DB825

SERVICE MANUAL

AEP Model
UK Model

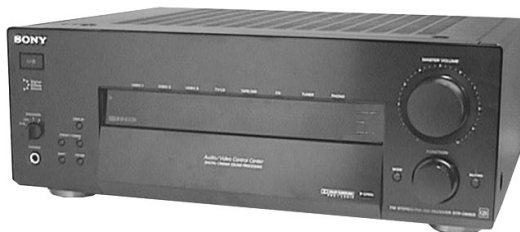


Photo: STR-DB825

This receiver incorporates the Dolby* Pro Logic Surround system.

* Manufactured under license from Dolby Laboratories Licensing Corporation. DOLBY, the double-D symbol , "PRO LOGIC," and Dolby Digital (AC-3) are trademarks of Dolby Laboratories Licensing Corporation.

Amplifier section

POWER OUTPUT

Stereo mode (DIN 1 kHz, 4 ohms)
STR-DB825: 100 W + 100 W
STR-DB725: 80 W + 80 W

Surround mode

(DIN 1 kHz, 4 ohms)
STR-DB825:
Front: 100 W + 100 W
Center^{a)}: 100 W
Rear^{a)}: 100 W + 100 W
STR-DB725:
Front: 80 W + 80 W
Center^{a)}: 80 W
Rear^{a)}: 80 W + 80 W

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

5.1/DVD mode (DIN 1 kHz, 4 ohms)

STR-DB825:
Front: 100 W + 100 W
Center^{a)}: 100 W
Rear^{a)}: 100 W + 100 W
STR-DB725:
Front: 80 W + 80 W
Center^{a)}: 80 W
Rear^{a)}: 80 W + 80 W

Frequency response

PHONO: RIAA equalization curve
±0.5 dB

SPECIFICATIONS

Inputs

CD, TAPE/MD,
VIDEO 1/2/3:
10 Hz - 50 kHz +0.5/
-2 dB (with sound
field, tone, and bass
booster bypassed)

PHONO:
Sensitivity: 1.5 mV
Impedance:
50 kilohms
S/N^{b)}: 75 dB (A,
2.5 mV^{c)})

CD:
Sensitivity: 150 mV
Impedance:
50 kilohms
S/N^{b)}: 82 dB (A,
150 mV^{c)})

TAPE/MD, VIDEO 1/
2/3, TV/LD:
Sensitivity: 150 mV
Impedance:
50 kilohms
S/N^{b)}: 82 dB (A,
150 mV^{c)})

5.1/DVD INPUT
Sensitivity: 150 mV
Impedance:
50 kilohms
S/N^{b)}: 82 dB (A,
150 mV^{c)})

b) 78' IHF

c) Weighted network, input level

Outputs

AUDIO OUT:
Voltage: 150 mV
Impedance:
10 kilohms
WOOFER:
Voltage: 2 V
Impedance:
1 kilohm
PHONES:
Accepts low- and
high-impedance
headphones

BASS BOOST +10 dB at 70 Hz

TONE ±8 dB at 100 Hz and
10 kHz

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals

75 ohms, unbalanced

Sensitivity Mono: 18.3 dBf, 4.5 µV
Stereo: 38.3 dBf, 45 µV

Usable sensitivity

11.2 dBf, 1 µV (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

— Continued on next page —

FM STEREO/FM-AM RECEIVER



SONY®

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	531-1,602 kHz (with 9-kHz tuning scale)
Antenna	Loop antenna
Usable sensitivity	
50 dB/m (at 999 kHz)	
S/N	54 dB (at 50 mV/m)
Harmonic distortion	
0.5 % (50 mV/m, 400 Hz)	
Selectivity	35 dB
Video section	
Inputs	1 Vp-p 75 ohms
Outputs	1 Vp-p 75 ohms
General	
System	Tuner section:
	PLL quartz-locked digital synthesizer system
	Preamplifier section:
	Low-noise NF type equalizer
Power amplifier section:	Power amplifier section:
	Pure-complementary SEPP
Power requirements	
230 V AC, 50/60 Hz	
Power consumption	
STR-DB825: 220 W	
STR-DB725: 200 W	
AC outlet	100 W maximum, switched
Dimensions	430 × 160 × 410 mm including projecting parts and controls
Mass (approx.)	
STR-DB825: 12.5 kg	
STR-DB725: 10.9 kg	

Supplied accessories

Check that you received the following items with the receiver:

- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander (remote) (1)

Model	Remote
STR-DB825	RM-LJ301
STR-DB725	RM-PP401

- LR6 (size AA) alkaline batteries (3) (STR-DB825)
- R6 (size AA) batteries (2) (STR-DB725)
- Operating Instructions of the remote

Design and specifications are subject to change without notice.

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4. EXPLODED VIEWS

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5. ELECTRICAL PARTS LIST

Notes on chip component replacement

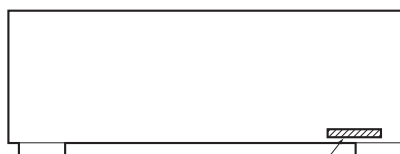
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY-RELATED COMPONENT WARNING !!

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

MODEL IDENTIFICATION

— BACK PANEL —



Parts No.

PARTS No.	MODEL
4-900-493-0□	DB725
4-900-493-1□	DB825

SECTION 1 SERVICING NOTE

FACTORY SET

Mode which sets the preset settings of the unit to that at shipment.

Procedure:

While pressing the [◀] button and [BASS BOOST] button together, press the [I/⏻] button to turn on the power. “FACTORY” will be displayed and factory settings executed.

INITIALIZATION

Mode which erases all the preset settings of the unit.

Use this mode when returning the unit to the customer.

Procedure:

While pressing the [MEMORY] button and [MUTING] button together, press the [I/⏻] button to turn on the power. “ALL CLEAR” will be displayed and initialization executed.

FLUORESCENT INDICATOR TUBE AND LED LIGHTING CHECK

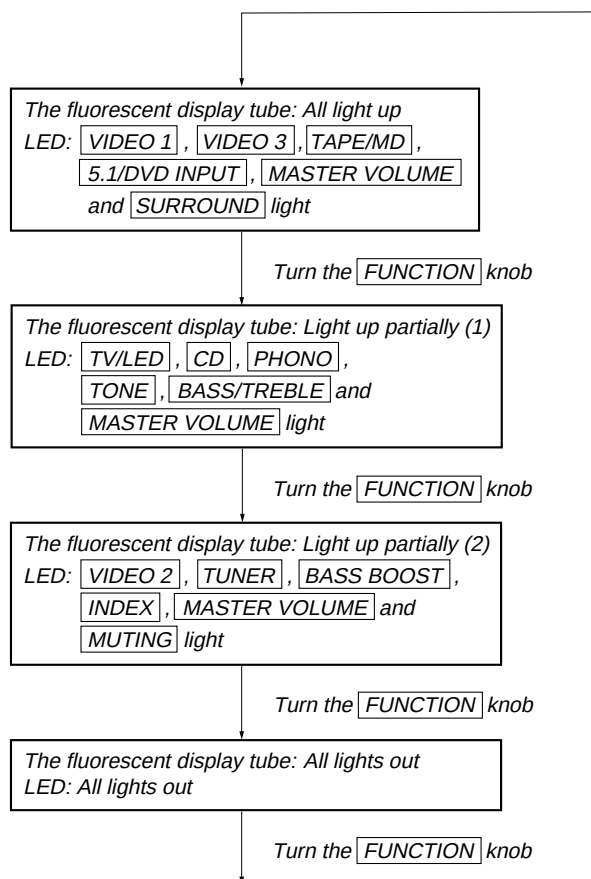
Mode which lights up the whole fluorescent indicator tube or partially.

Procedure:

While pressing the [✓] button and [BASS BOOST] button together, press the [I/⏻] button to turn on the power.

The whole fluorescent display tube lights up.

The fluorescent display tube and LED light up in the following sequence each time the [FUNCTION] knob is rotated.



KEY CHECK

Mode for checking key input.

Procedure:

Turn on the power by pressing the [I/⏻] button while pressing the [△] button and the [BASS BOOST] button. “REST 25 KEY” is displayed.

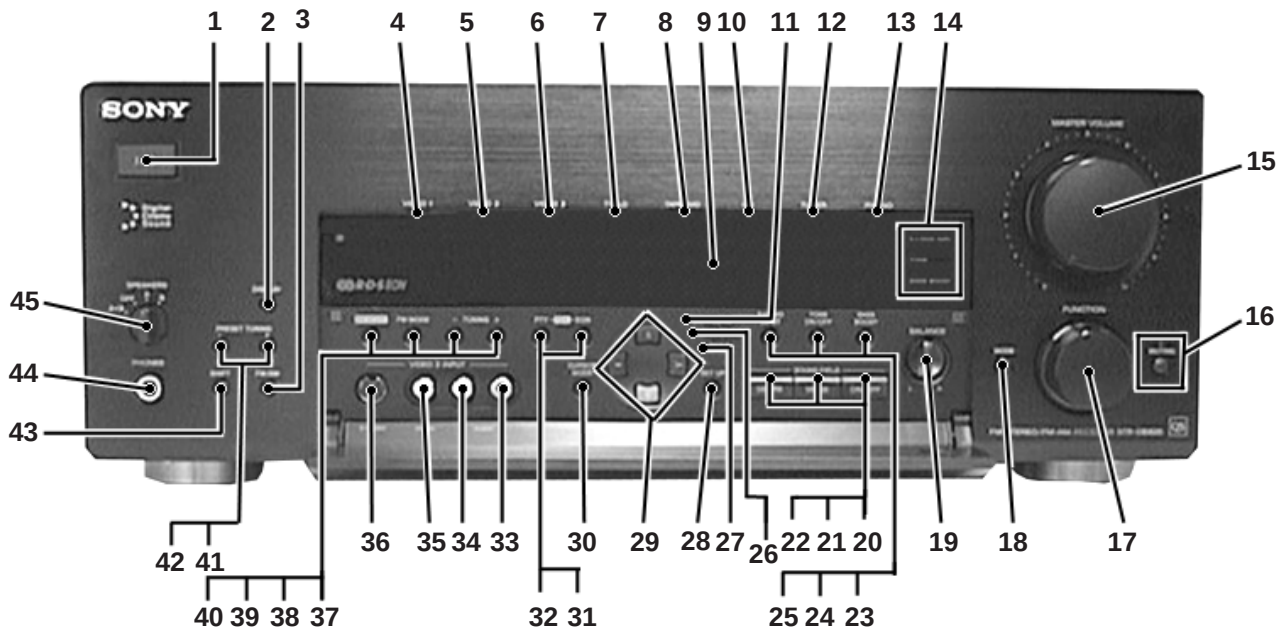
The count decreases each time the button is pressed.

Buttons counted once will not be counted again.

“REST 00 KEY” is displayed when all the buttons are pressed.

SECTION 2 GENERAL

Front Panel Descriptions

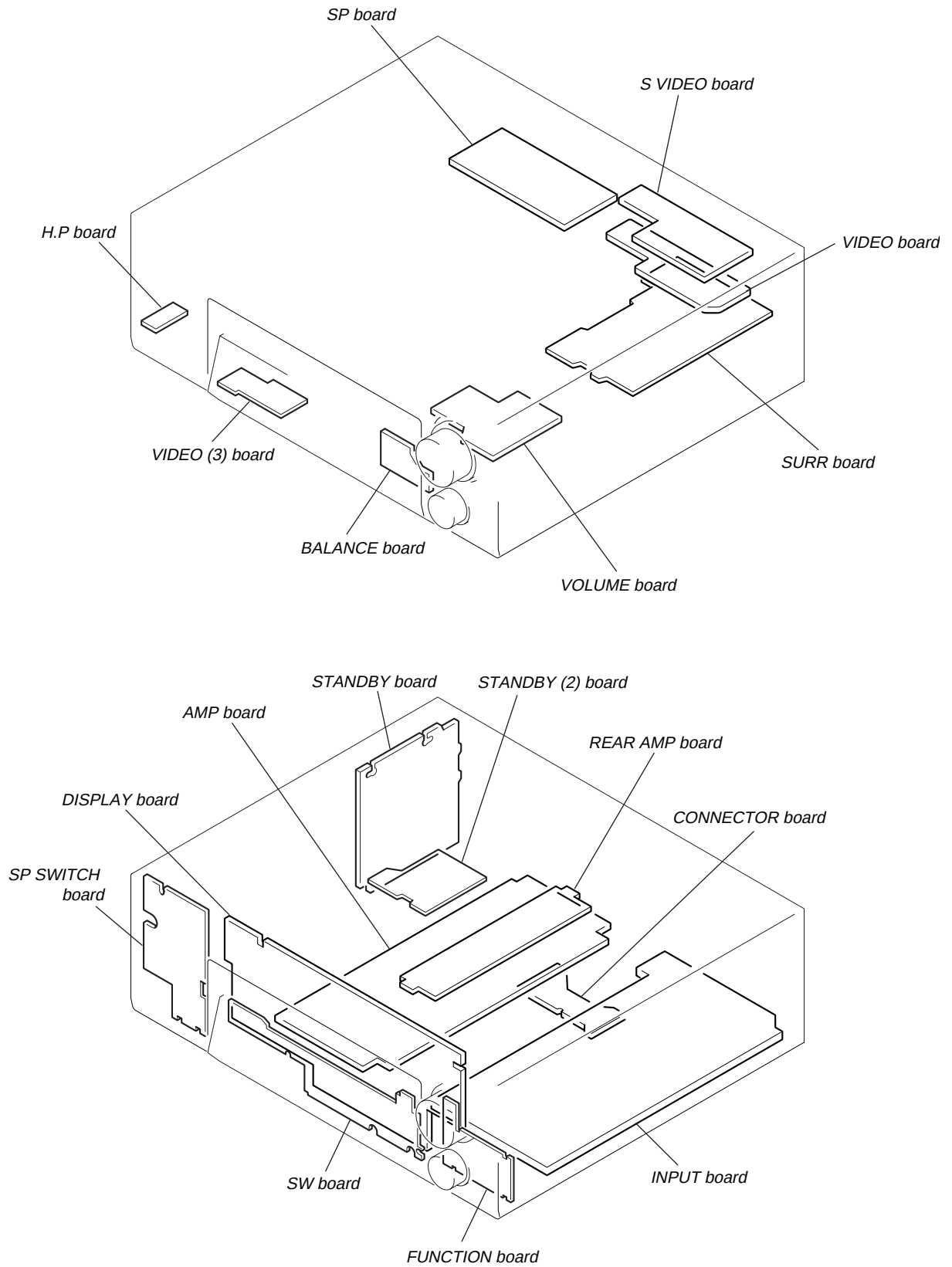


LOCATION OF PARTS AND CONTROLS

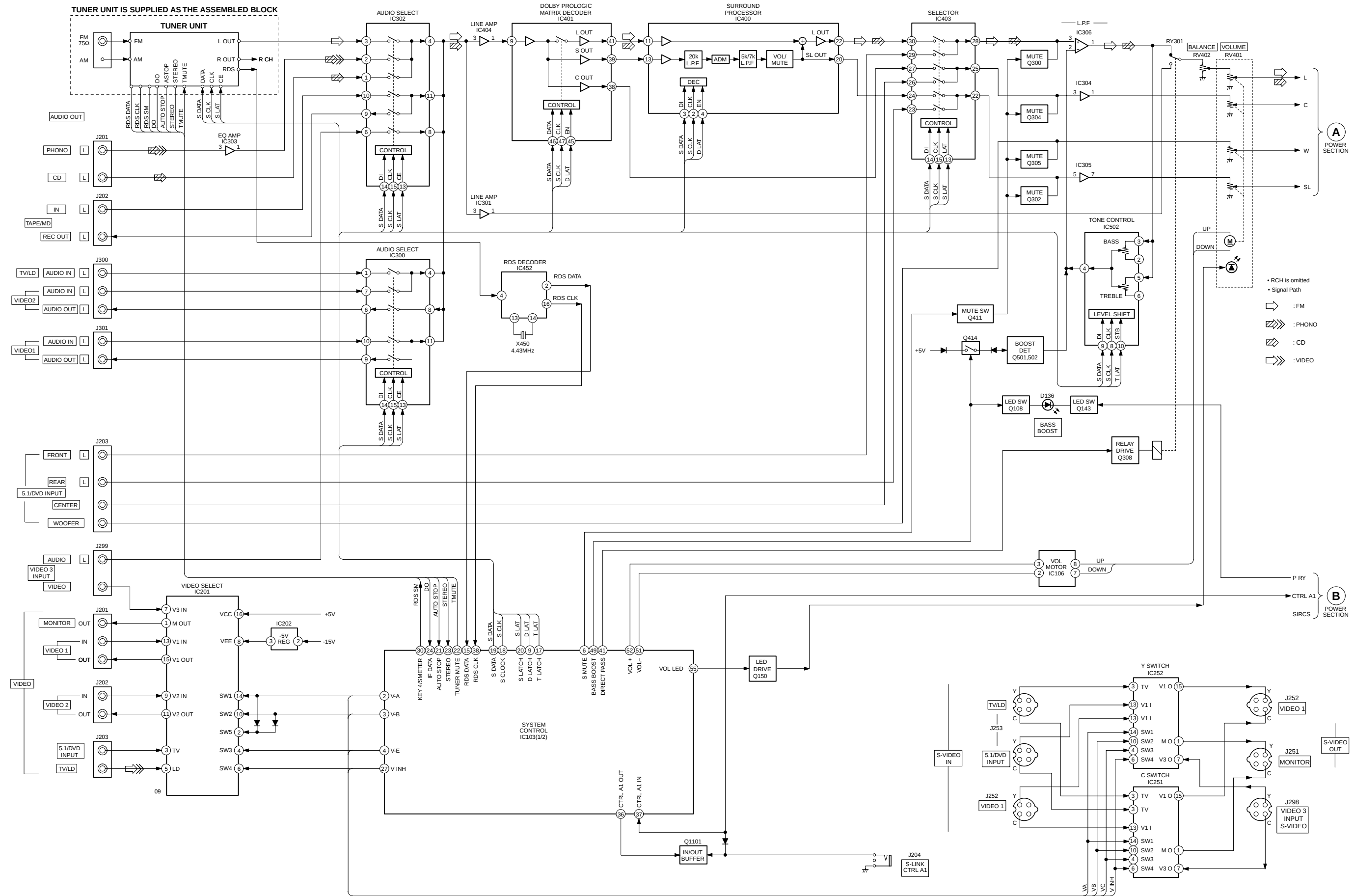
- | | |
|---------------------------------------|--|
| 1 I/⏻ (power) switch | 23 BASS BOOST button |
| 2 DISPLAY button | 24 TONE ON/OFF button |
| 3 FM/AM button | 25 5.1/DVD INPUT button |
| 4 VIDEO 1 indicator | 26 BASS/TREBLE indicator |
| 5 VIDEO 2 indicator | 27 INDEX indicator |
| 6 VIDEO 3 indicator | 28 SET UP button |
| 7 TV/LD indicator | 29 Digital Processing Controls |
| 8 TAPE/MD indicator | 30 CURSOR MODE button |
| 9 Display window | 31 RDS EON button |
| 10 CD indicator | 32 RDS PTY button |
| 11 SURROUND indicator | 33 VIDEO 3 INPUT AUDIO R connecot |
| 12 TUNER indicator | 34 VIDEO 3 INPUT AUDIO L connecot |
| 13 PHONO indicator | 35 VIDEO 3 INPUT VIDEO connecot |
| 14 5.1/DVD INPUT indicator | 36 VIDEO 3 INPUT S-VIDEO connecot |
| TONE indicator | 37 TUNING + button |
| BASS BOOST indicator | 38 TUNING – button |
| 15 MASTER VOLUME knob | 39 FM MODE button |
| 16 MUTING button and indicator | 40 MEMORY button |
| 17 FUNCTION knob | 41 PRESET TUNING + button |
| 18 MODE switch | 42 PRESET TUNING – button |
| 19 BALANCE knob | 43 SHIFT button |
| 20 SOUND FIELD ON/OFF button | 44 PHONES jack |
| 21 SOUND FIELD MODE button | 45 SPEAKERS selector switch |
| 22 SOUND FIELD GENRE button | |

SECTION 3 DIAGRAMS

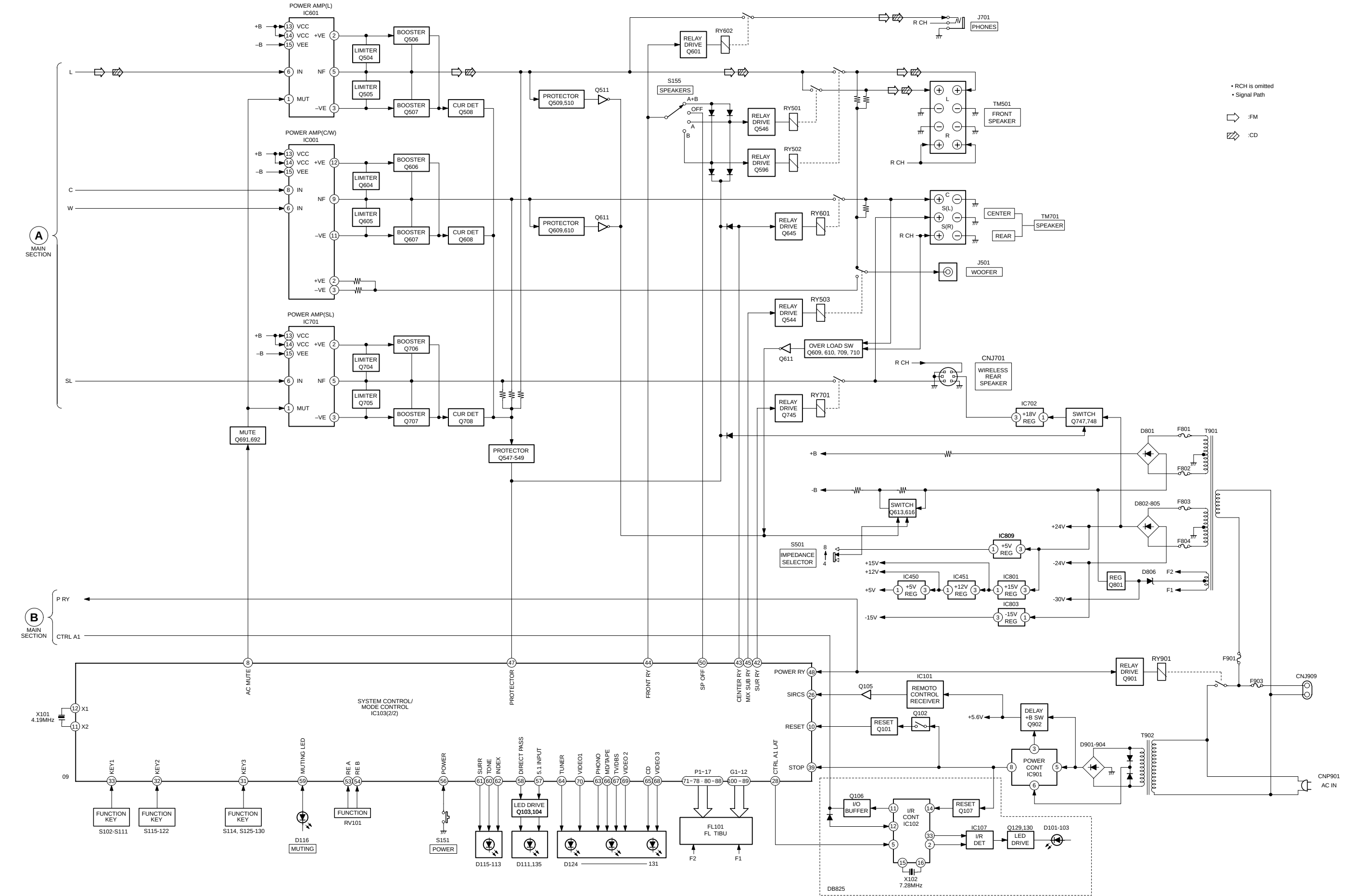
3-1. CIRCUIT BOARDS LOCATION



3-2. BLOCK DIAGRAMS - MAIN SECTION -



– POWER SECTION –



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

For schematic diagrams.

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- $\triangle$: internal component.
-  : nonflammable resistor.
-  : panel designation.

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

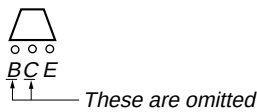
-  : B+ Line.
-  : B- Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : FM
- Voltages are taken with a VOM (Input impedance 10 M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 -  : FM
 -  : AUDIO
 -  : VIDEO
 -  : SURROUND
 -  : PB (TAPE/MD)
 -  : REC (TAPE/MD)
 -  : Y
 -  : CHROMA
 -  : CD
 -  : PHONO

For printed wiring boards.

Note:

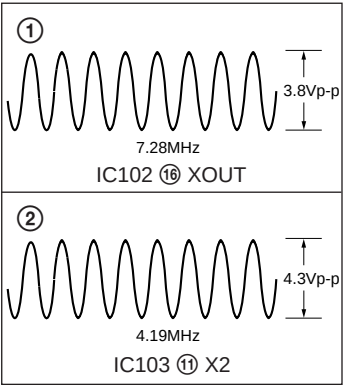
-  : parts extracted from the component side.
-  : parts extracted from the conductor side.
-  : parts mounted on the conductor side.
- $\triangle$: internal component.
-  : Pattern from the side which enables seeing.

• Indication of transistor

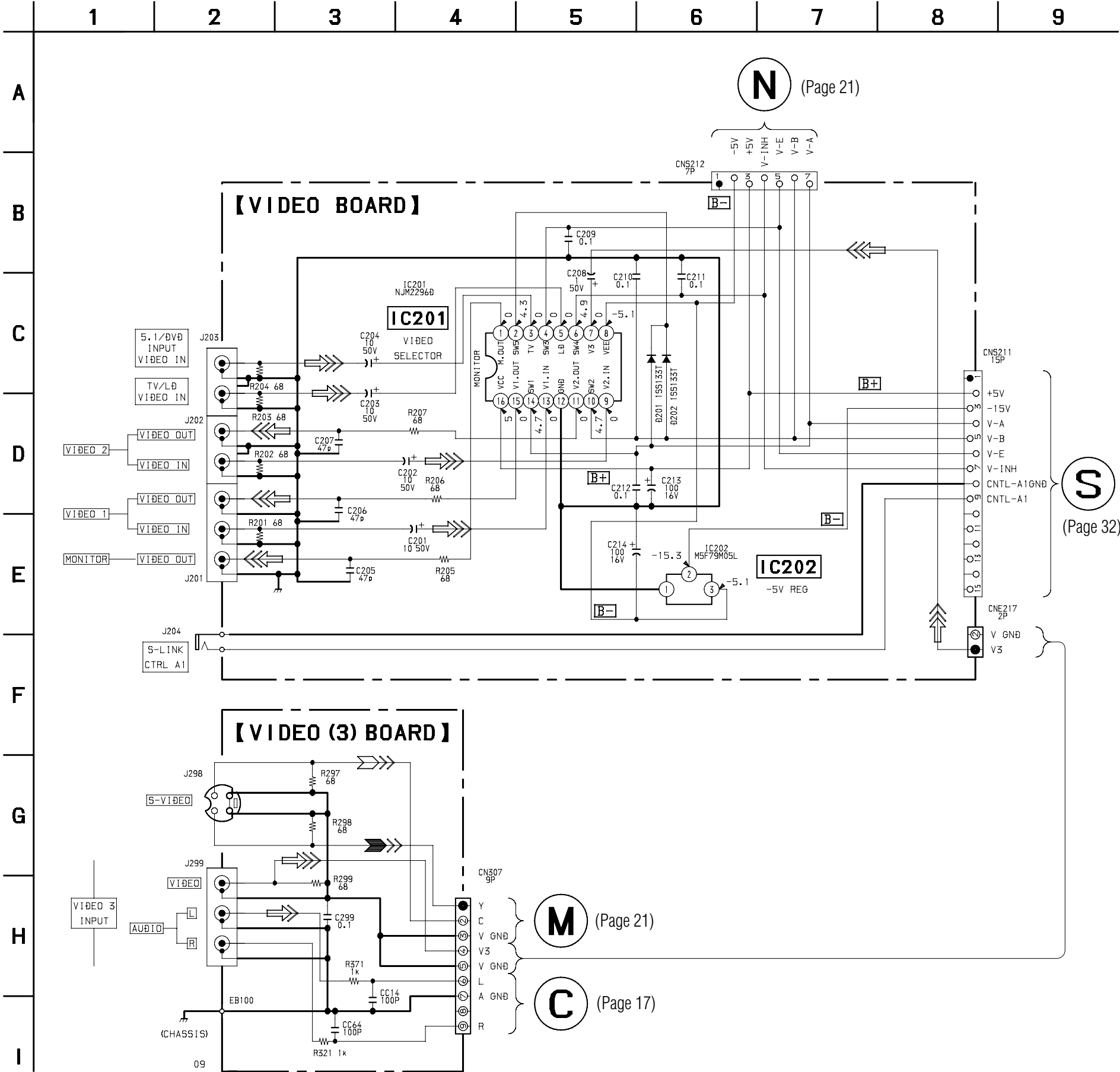


WAVEFORMS

– DISPLAY SECTION –



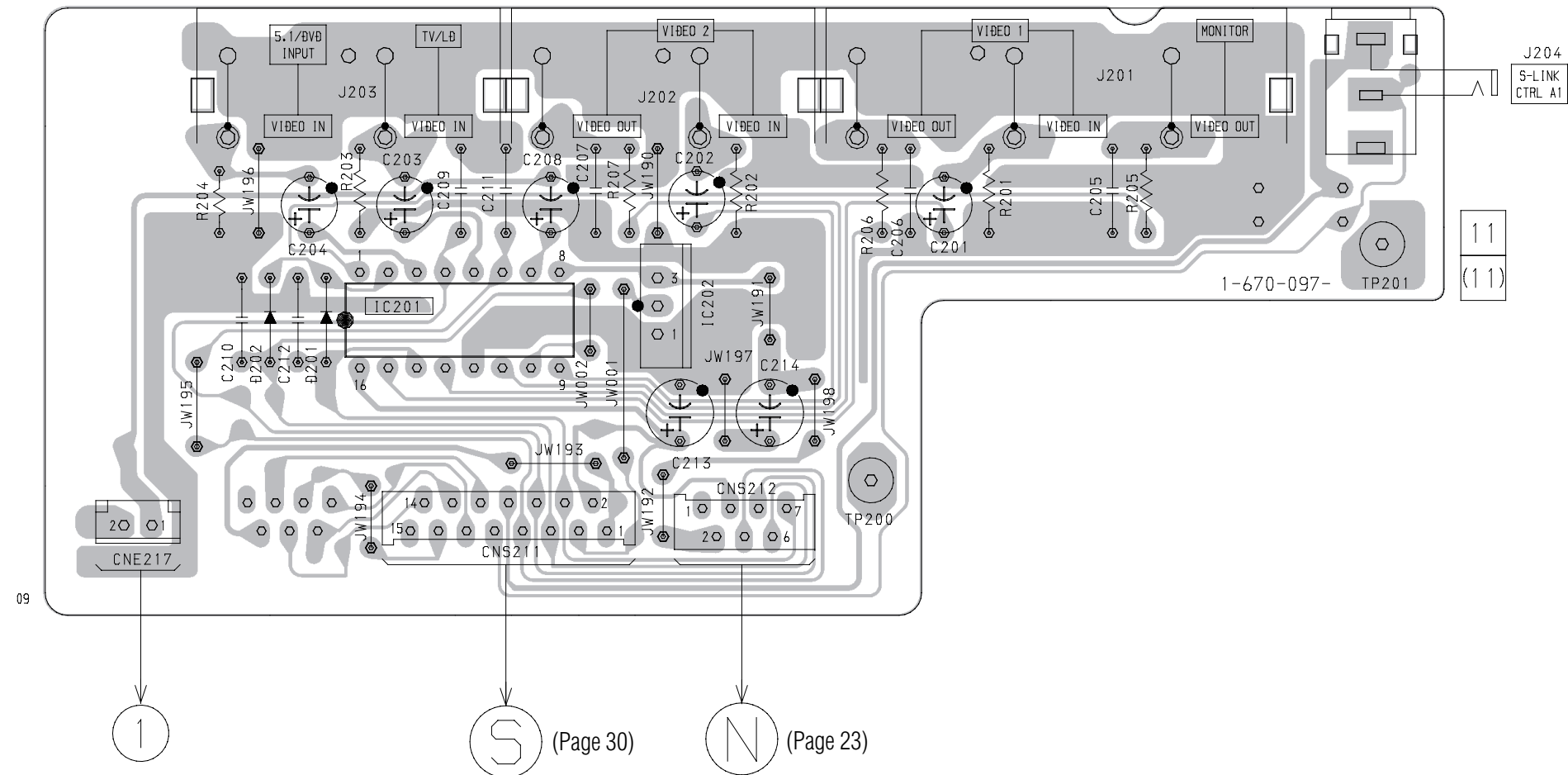
3-3. SCHEMATIC DIAGRAM – VIDEO INPUT SECTION –
• See page 43 for IC Block Diagrams.



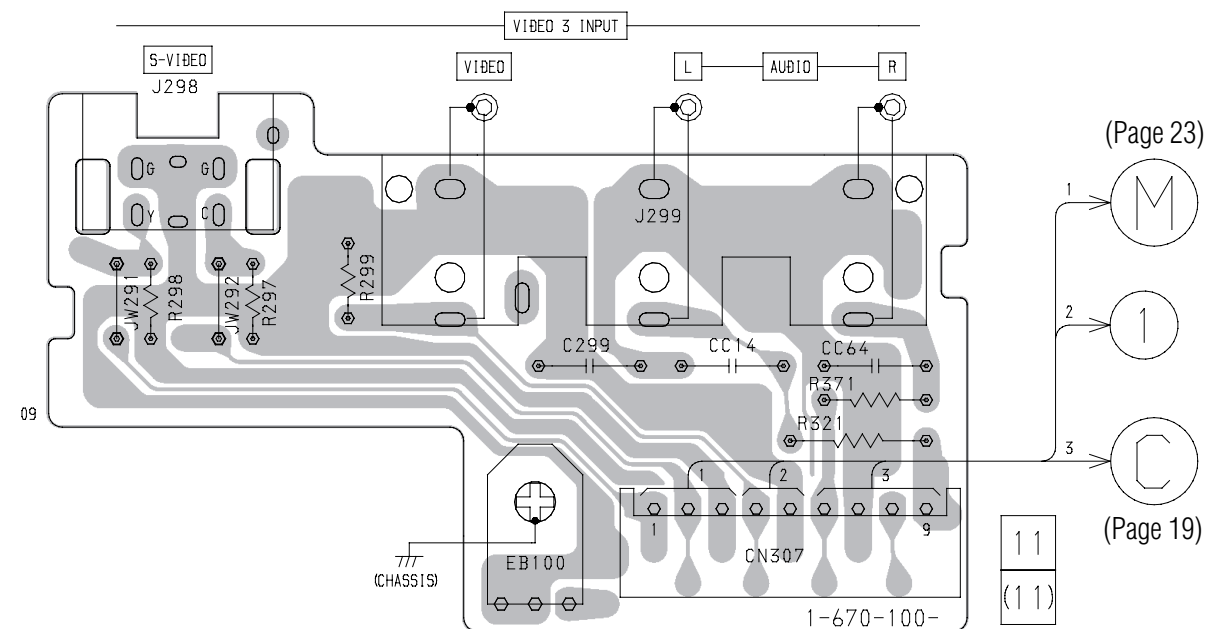
3-4. PRINTED WIRING BOARD – VIDEO INPUT SECTION –

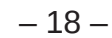
- See page 5 for Circuit Boards Location.

【VIDEO BOARD】

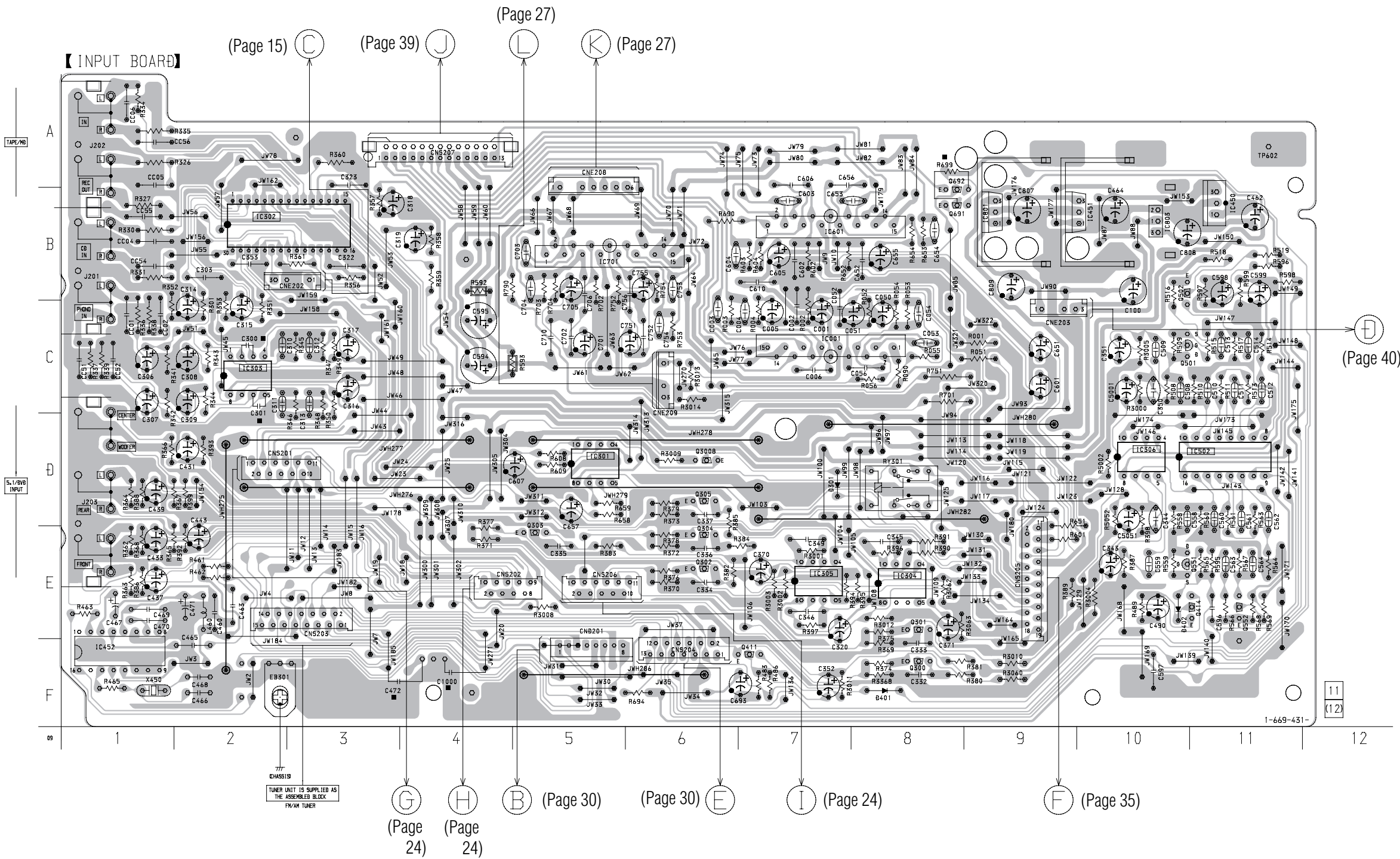


【 VIDEO (3) BOARD 】





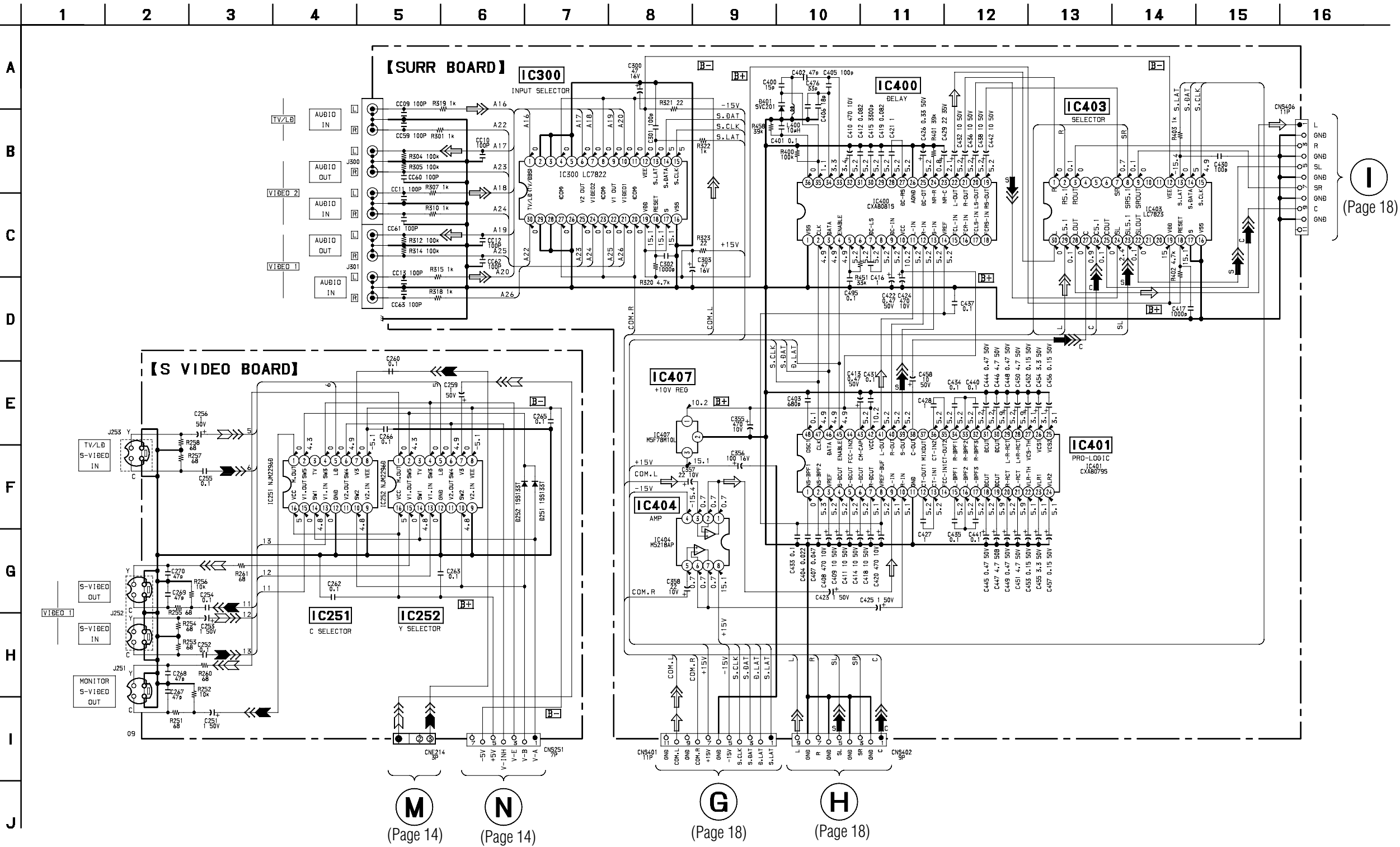
3-6. PRINTED WIRING BOARD – INPUT SECTION –
• See page 5 for Circuit Boards Location.



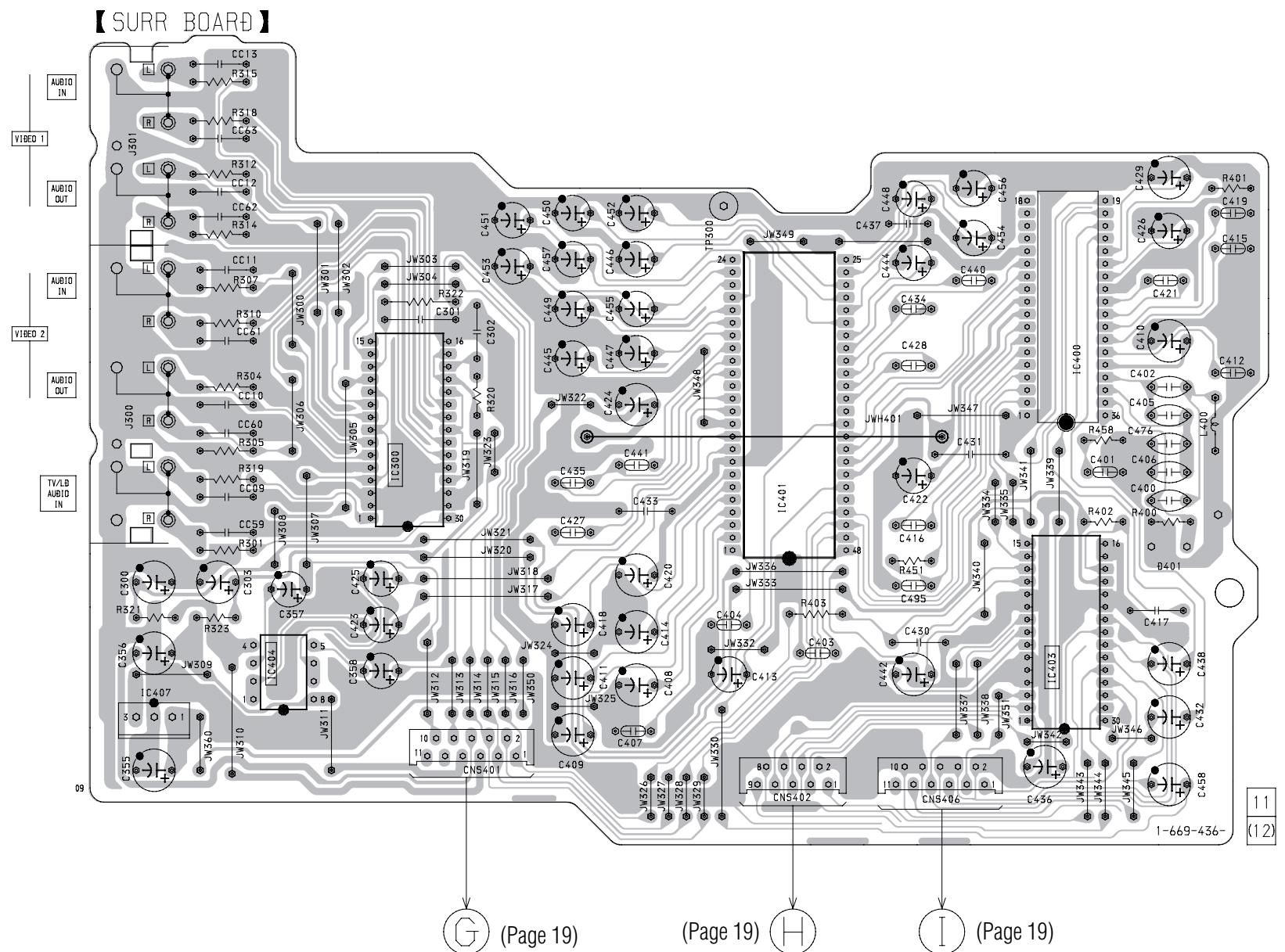
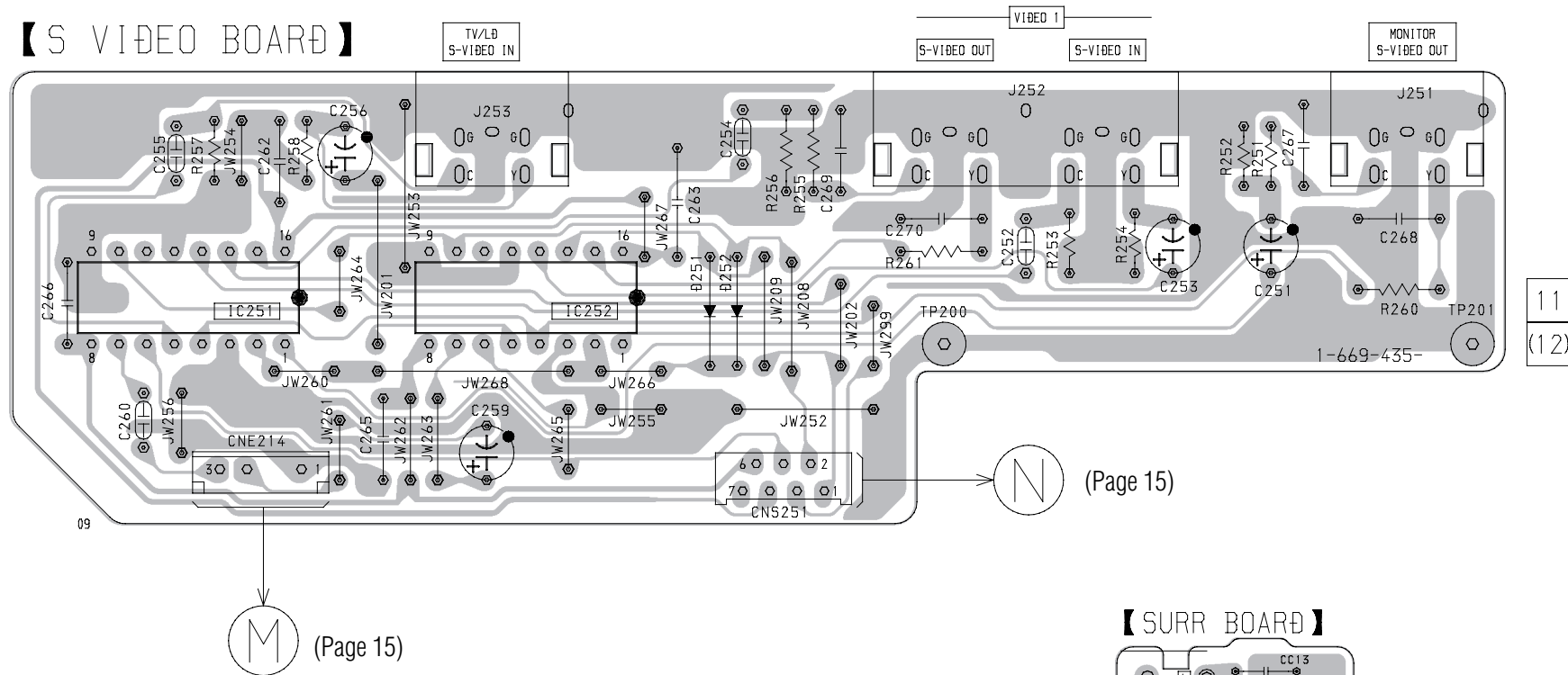
• Semiconductor Location

Ref. No.	Location
D301	D-7
D401	F-8
D402	E-10
IC001	C-7
IC301	D-5
IC302	B-2
IC303	C-2
IC304	E-8
IC305	E-7
IC306	D-10
IC450	B-11
IC451	B-10
IC452	F-1
IC502	D-11
IC601	B-7
IC701	B-5
IC801	B-9
IC803	B-10
Q300	F-8
Q301	E-8
Q302	E-6
Q303	E-5
Q304	E-6
Q305	D-6
Q411	F-7
Q414	E-11
Q501	C-10
Q502	B-10
Q551	E-10
Q552	E-11
Q691	B-8
Q692	B-8
Q3008	D-6

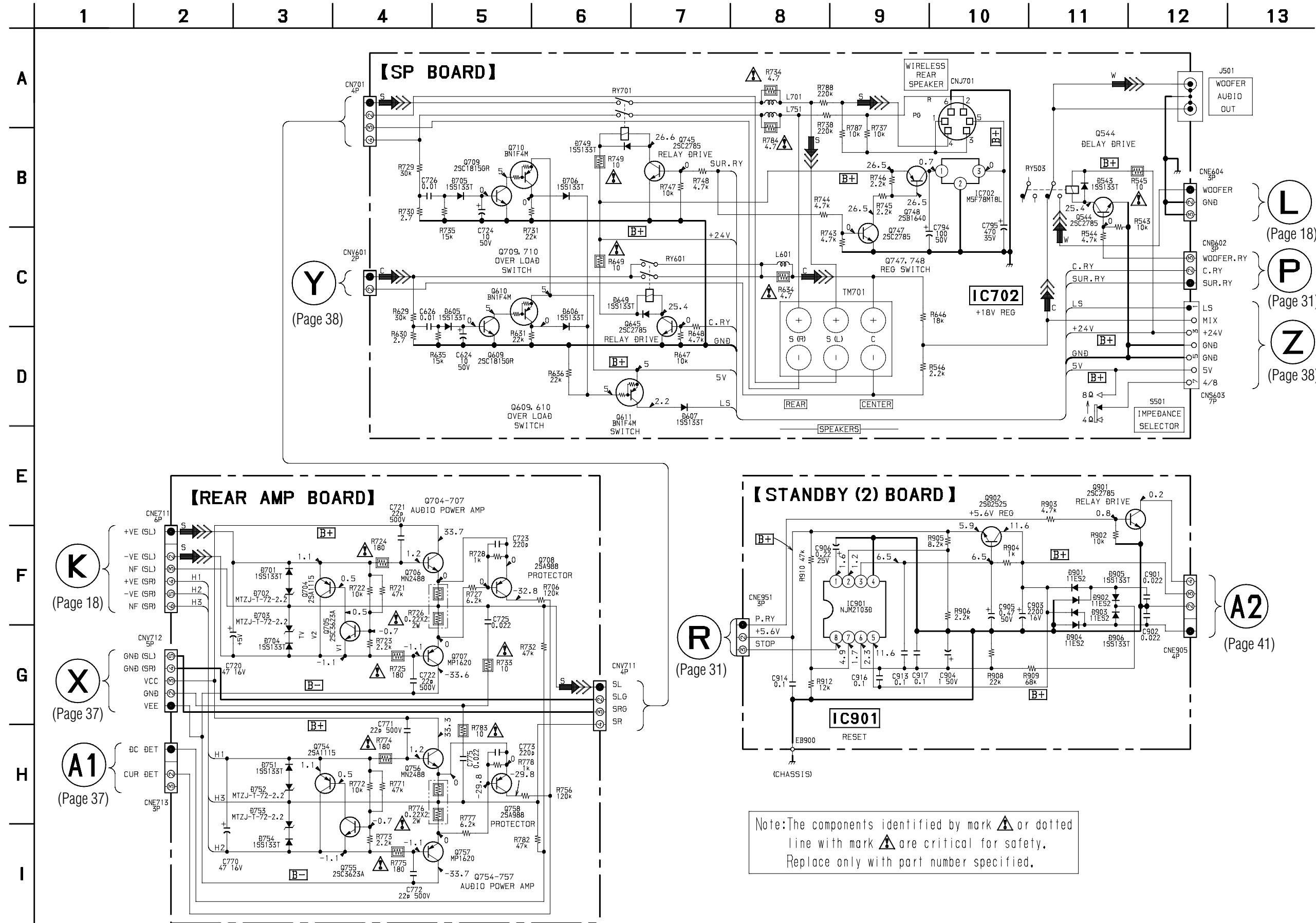
3-7. SCHEMATIC DIAGRAM – S-VIDEO SECTION –
• See page 43 for IC Block Diagrams.



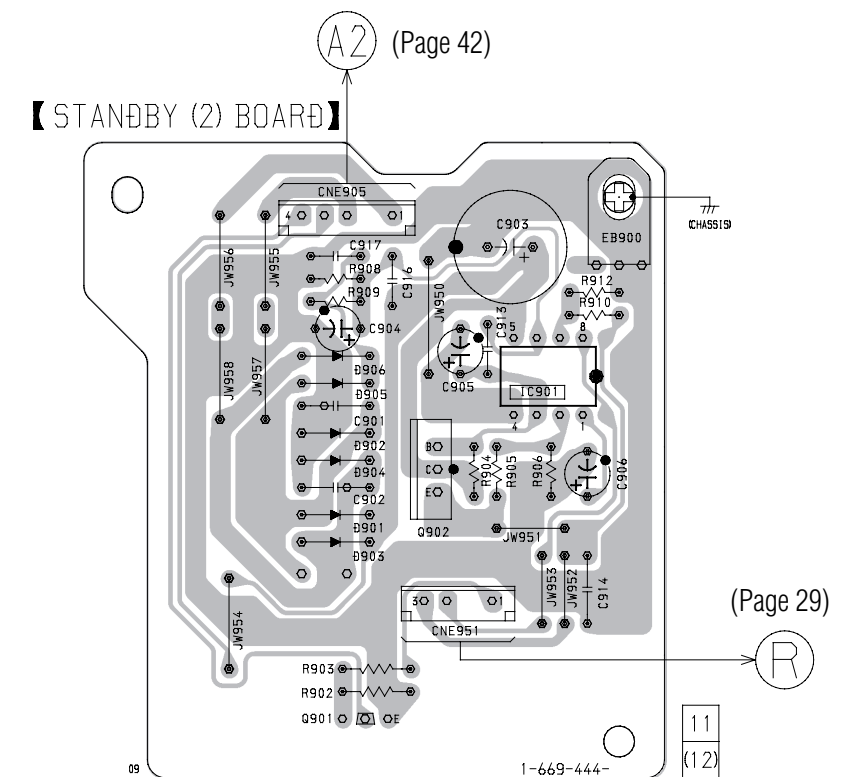
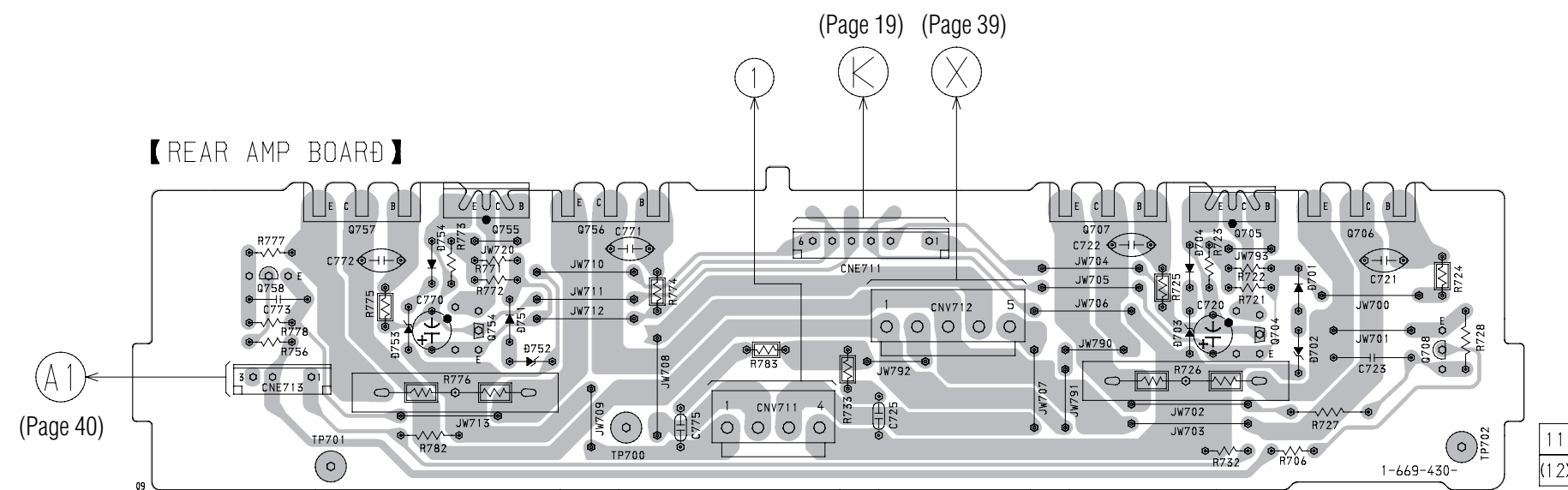
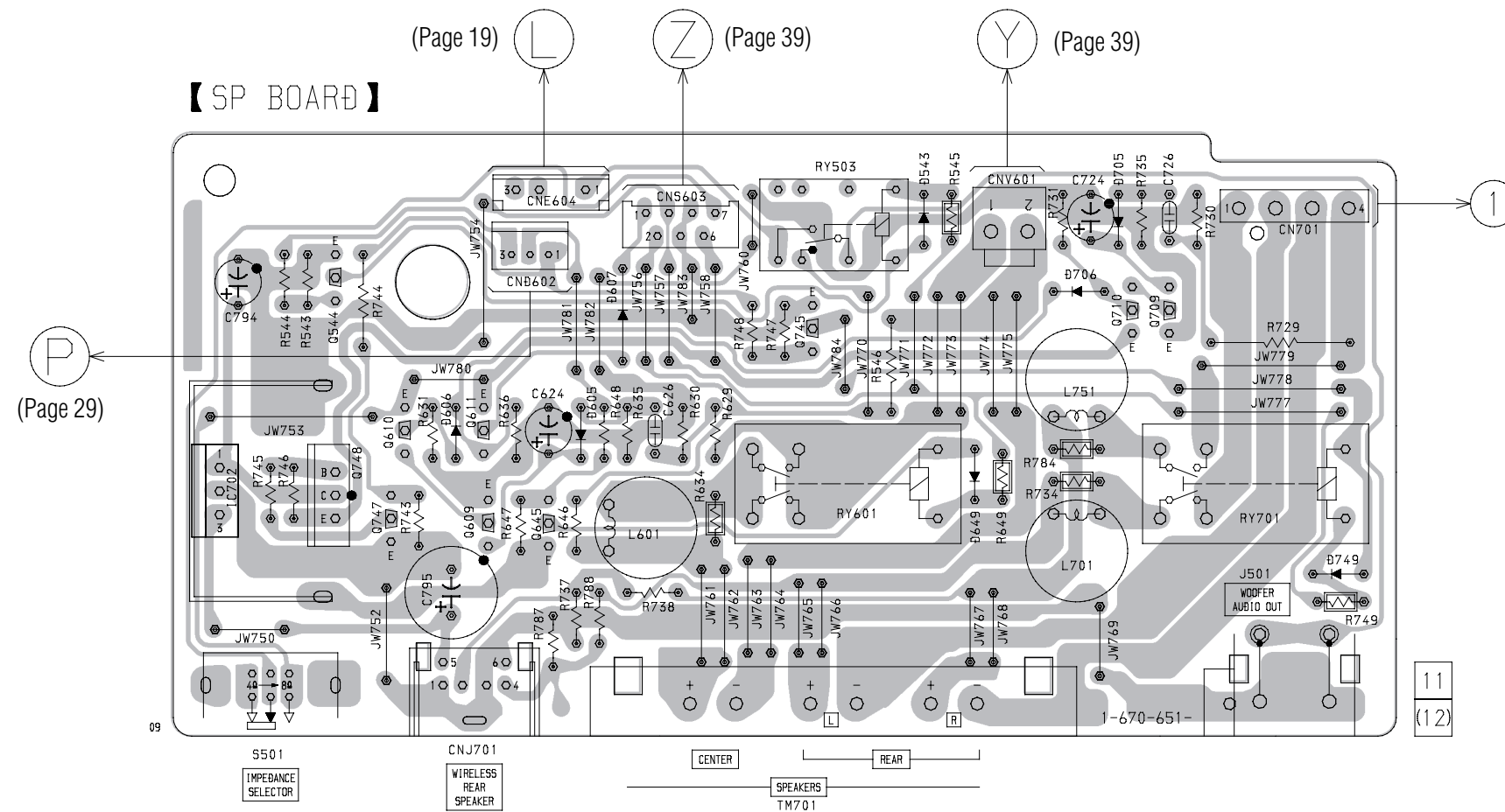
3-8. PRINTED WIRING BOARD – S-VIDEO SECTION –
• See page 5 for Circuit Boards Location.



3-9. SCHEMATIC DIAGRAM – SPEAKER SECTION –
• See page 43 for IC Block Diagrams.



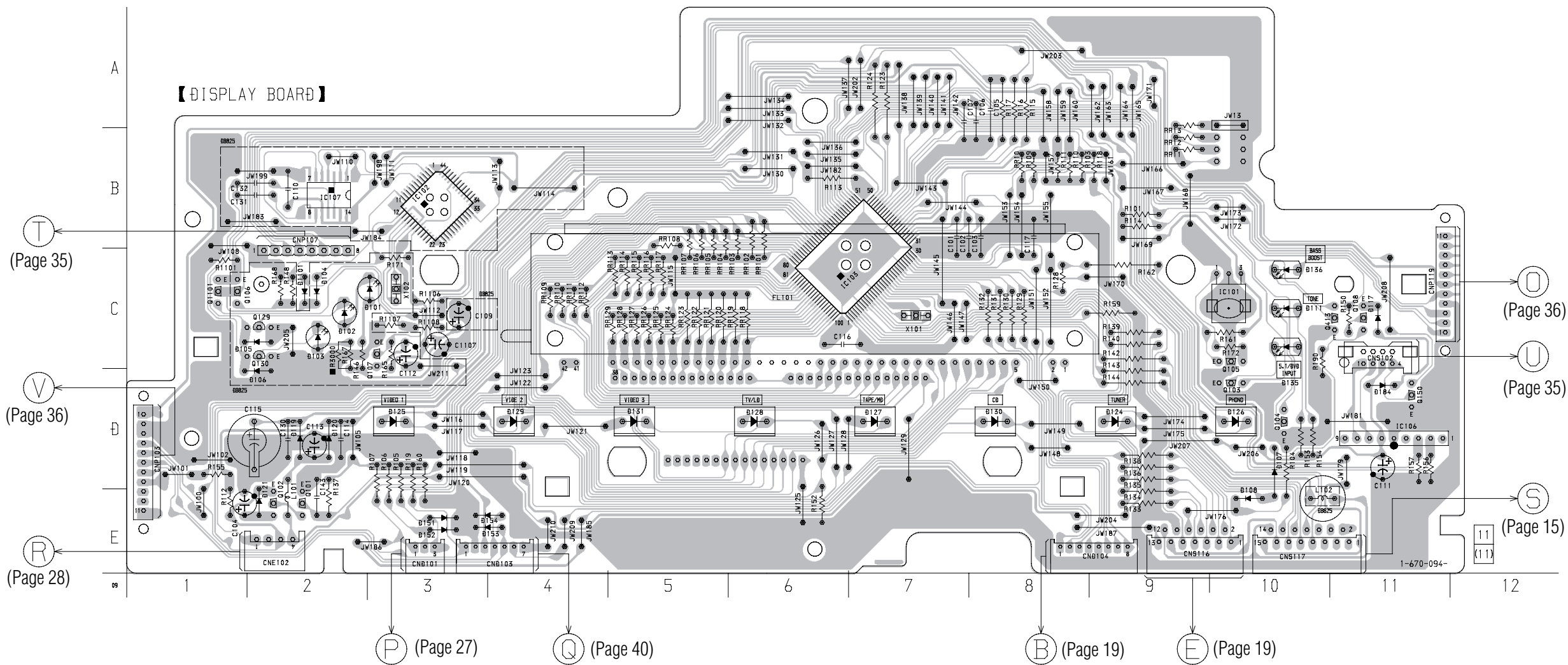
3-10. PRINTED WIRING BOARD – SPEAKER SECTION –
• See page 5 for Circuit Boards Location.



• Semiconductor
Location

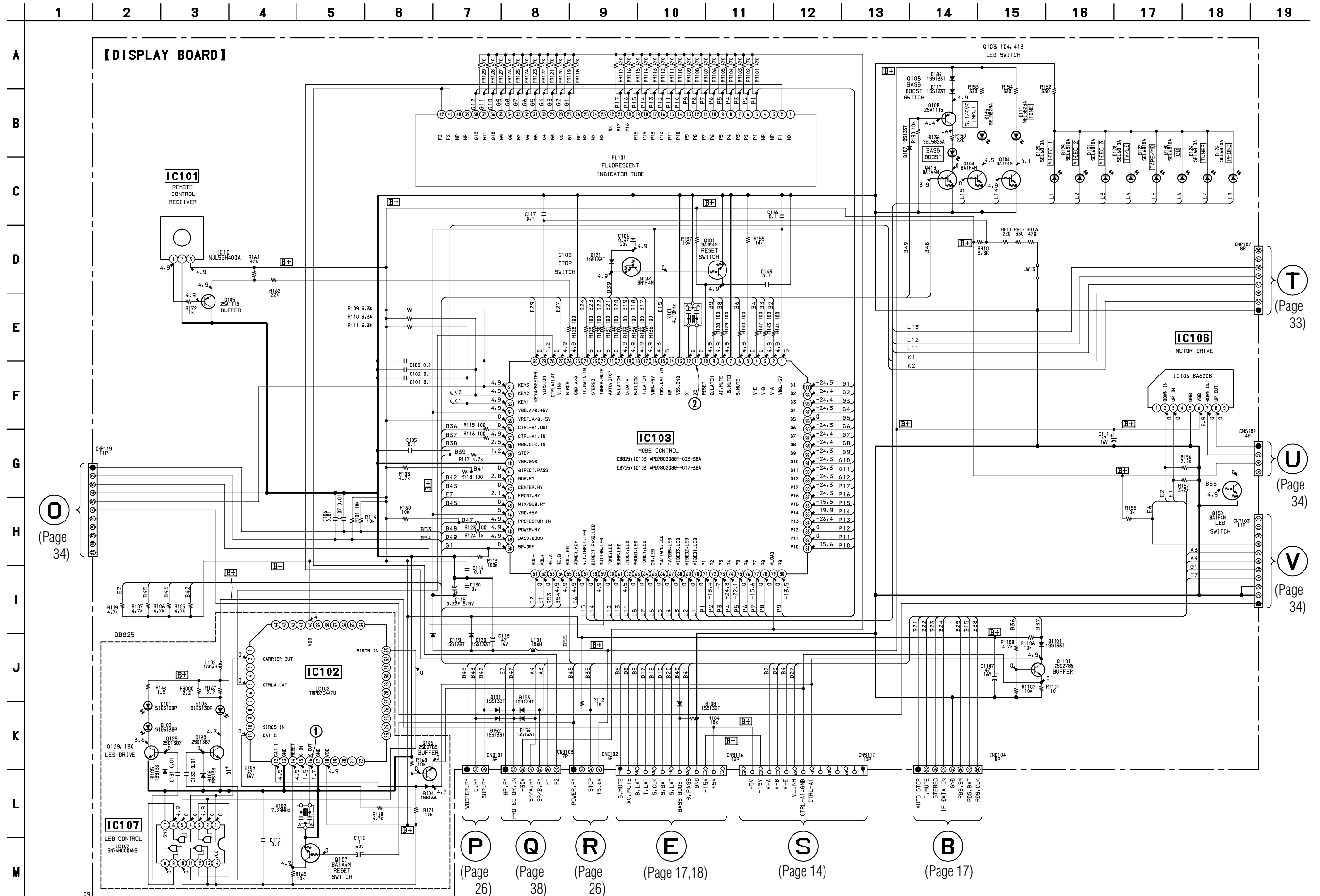
Ref. No.	Location
D101	C-3
D102	C-2
D103	C-2
D104	C-2
D105	C-2
D106	D-2
D107	D-10
D108	E-10
D111	C-10
D117	C-11
D119	D-2
D120	D-2
D121	E-2
D124	D-9
D125	D-3
D126	D-10
D127	D-7
D128	D-6
D129	D-4
D130	D-8
D131	D-5
D135	C-10
D136	C-10
D151	E-3
D152	E-3
D153	E-4
D154	E-4
D184	D-11
D1101	C-2
IC101	C-10
IC102	B-3
IC103	C-7
IC106	D-11
IC107	B-2
Q101	E-2
Q102	E-2
Q103	D-10
Q104	D-10
Q105	C-10
Q106	C-1
Q107	C-3
Q108	C-11
Q129	C-2
Q130	C-2
Q150	D-11
Q413	C-11
Q1101	C-1

3-11. PRINTED WIRING BOARD – DISPLAY SECTION –
• See page 5 for Circuit Boards Location.

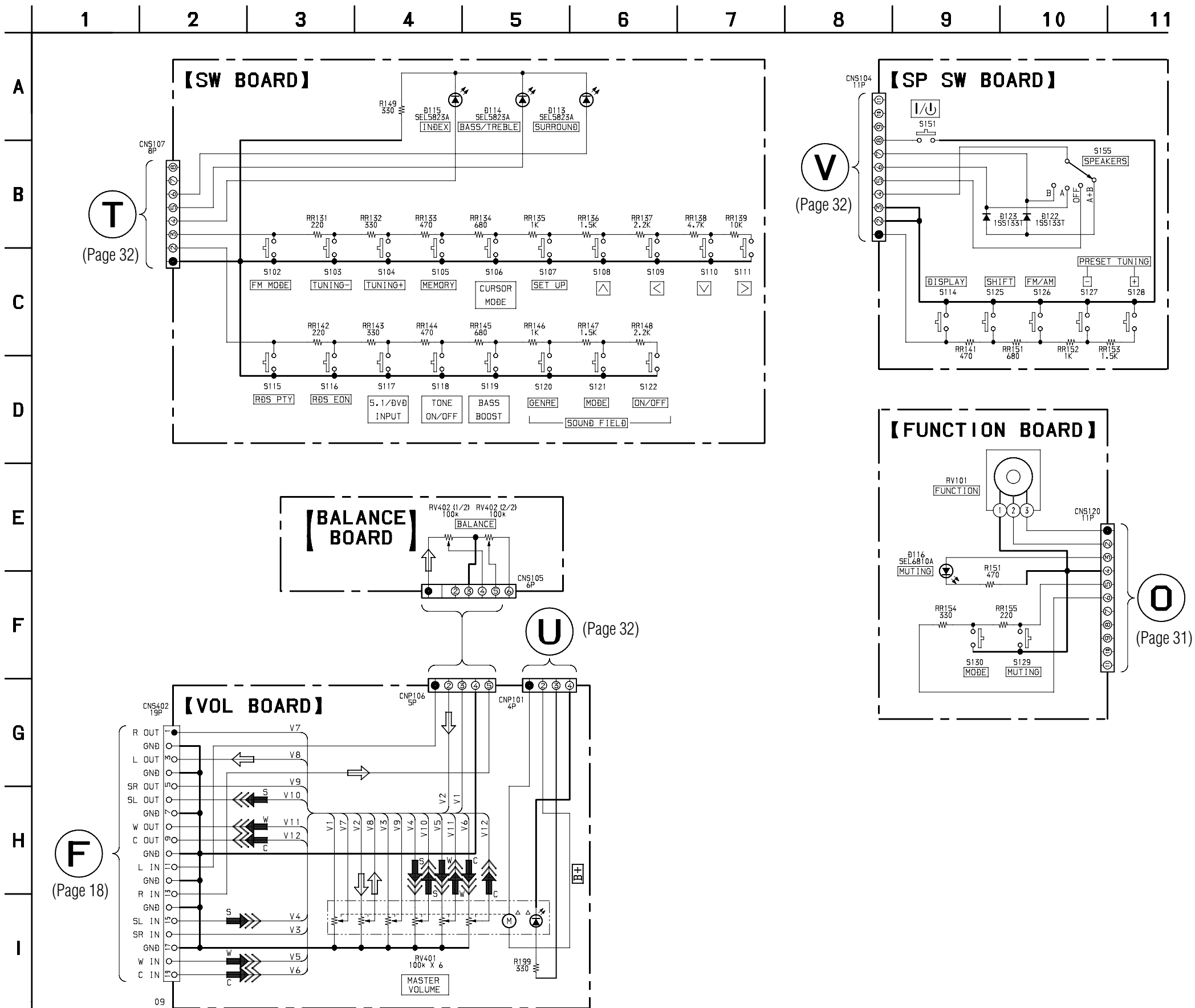


3-12. SCHEMATIC DIAGRAM – DISPLAY SECTION –

- See page 11 for Waveforms.
- See page 46 for IC Pin Function.

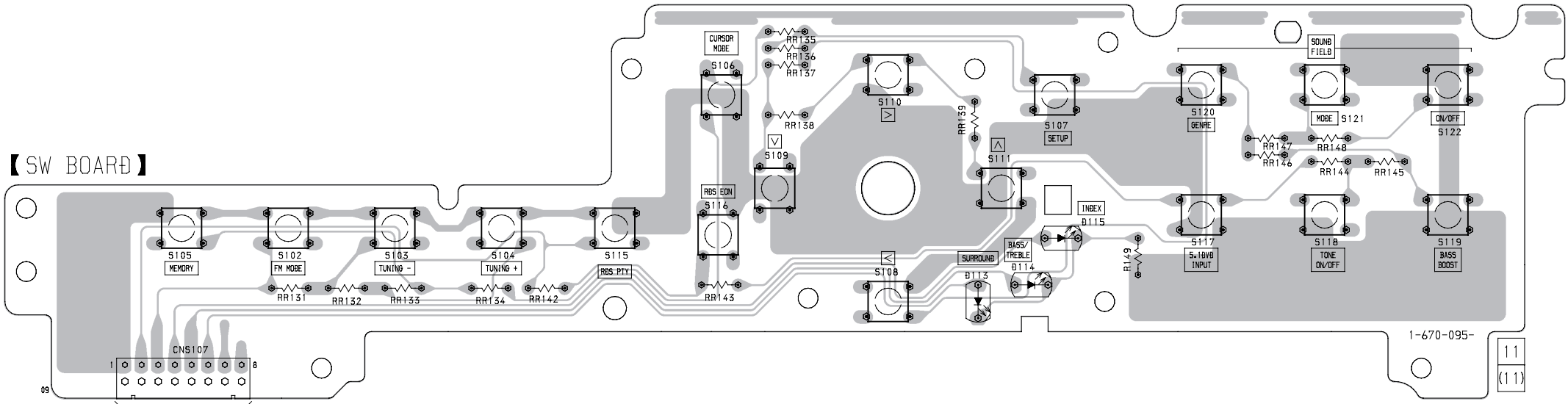


3-13. SCHEMATIC DIAGRAM – FRONT PANEL SECTION –

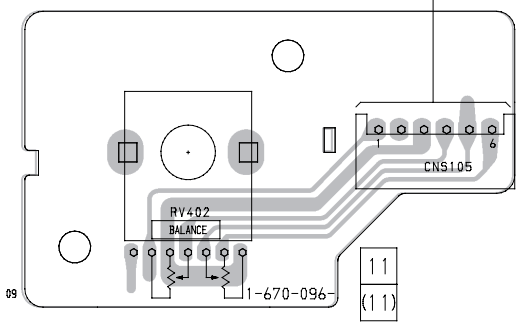


3-14. PRINTED WIRING BOARD – FRONT PANEL SECTION –

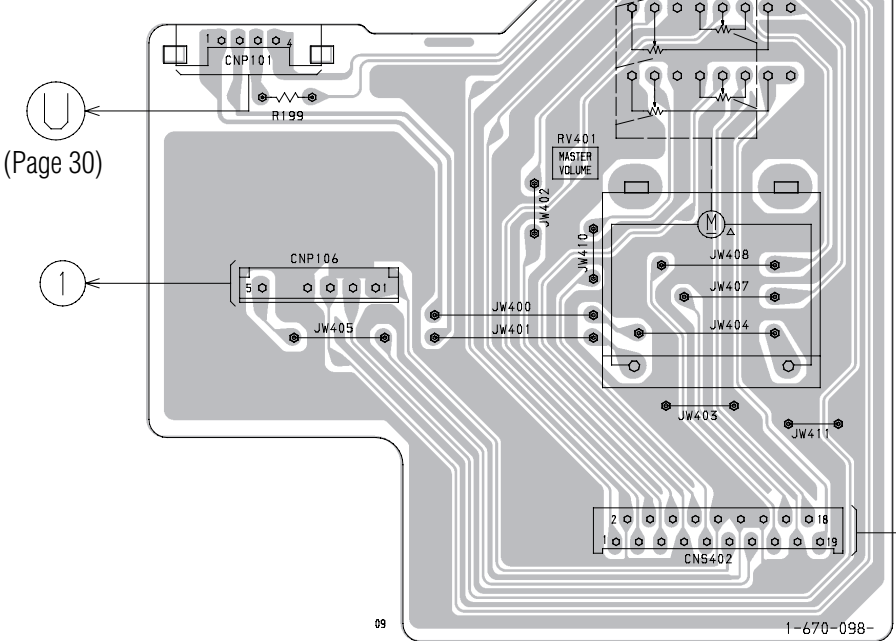
• See page 5 for Circuit Boards Location.



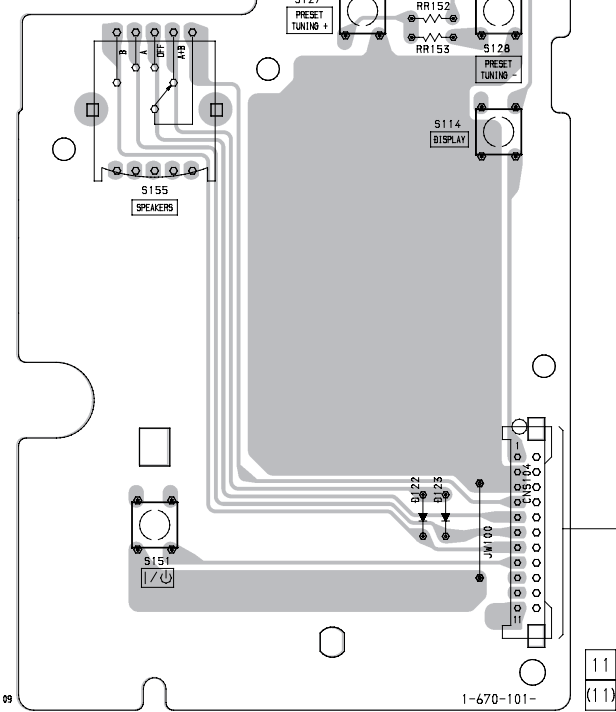
【BALANCE BOARD】



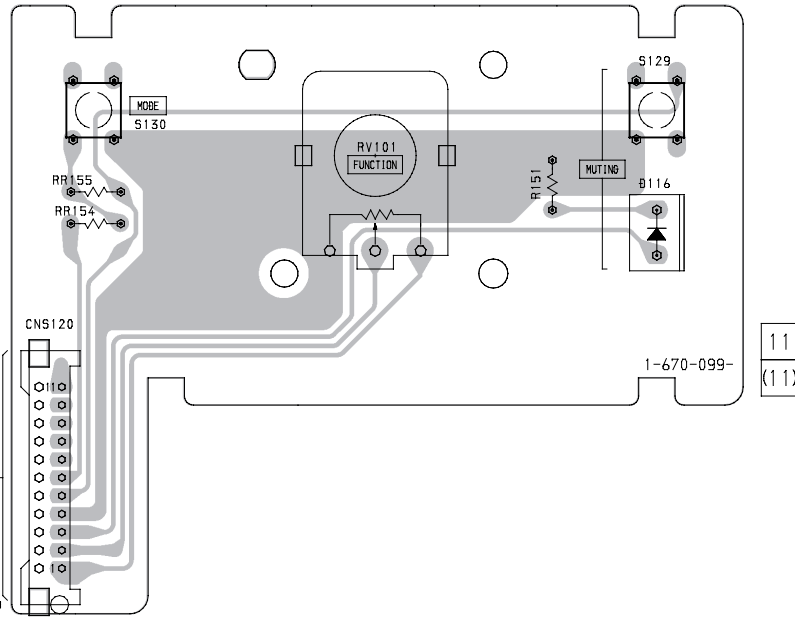
【VOL BOARD】



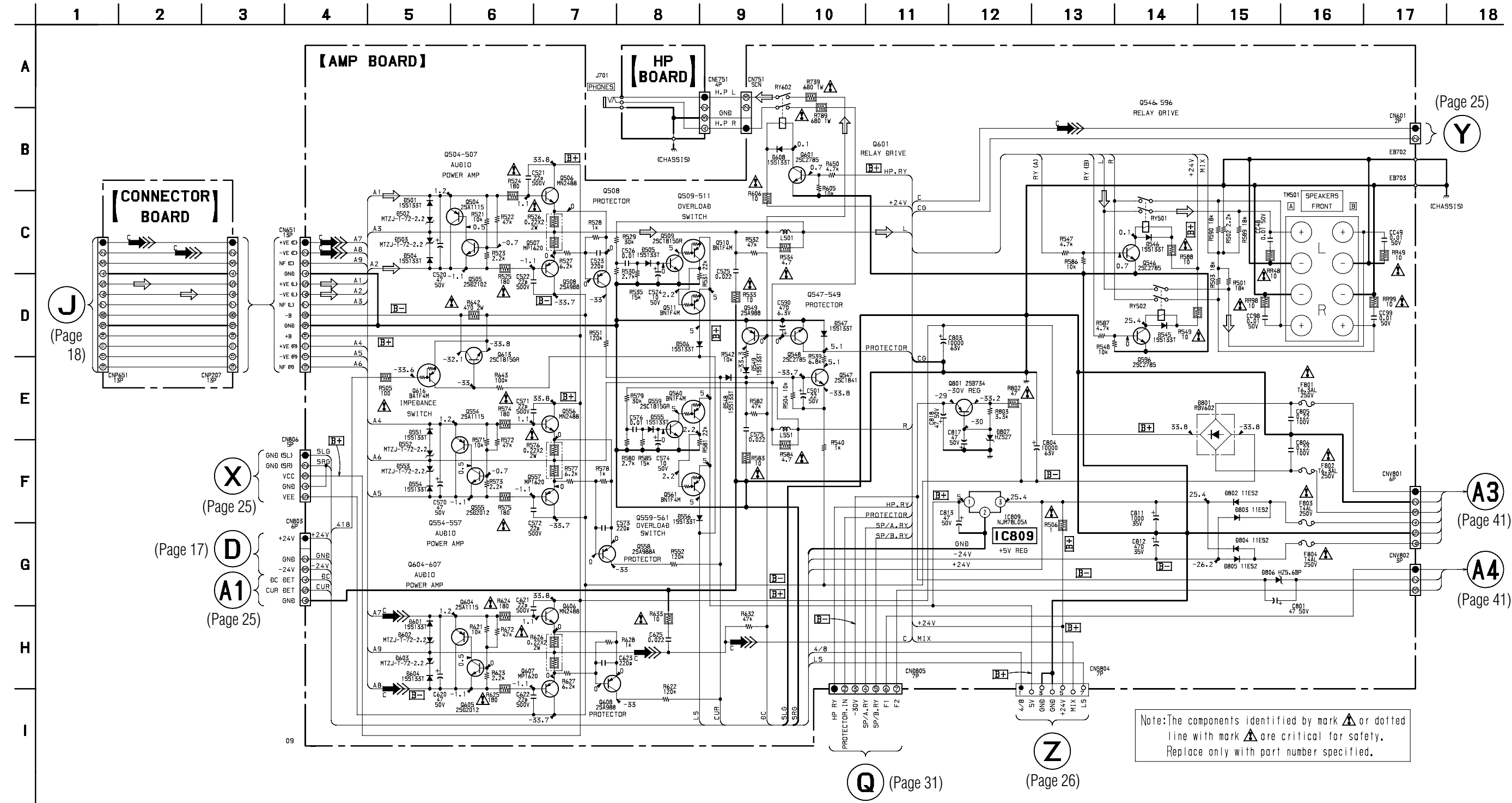
【SP SW BOARD】



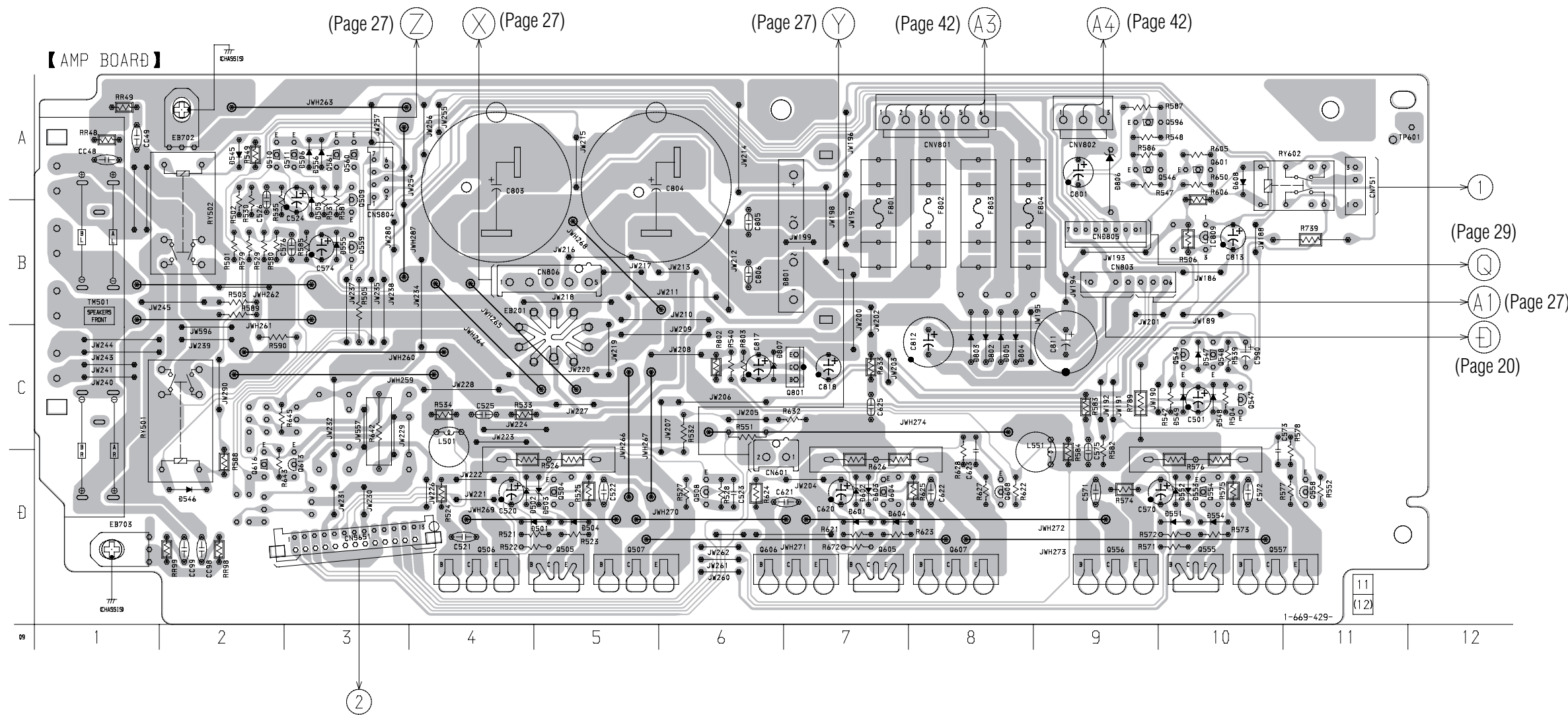
【FUNCTION BOARD】



3-15. SCHEMATIC DIAGRAM – POWER AMP SECTION –

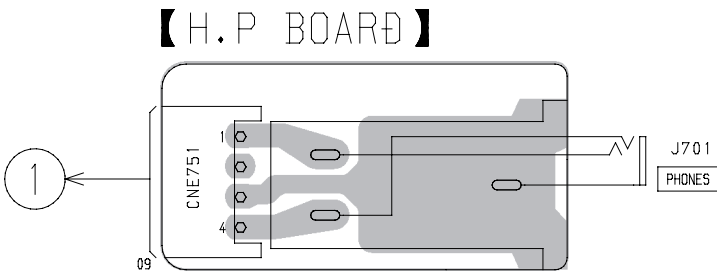
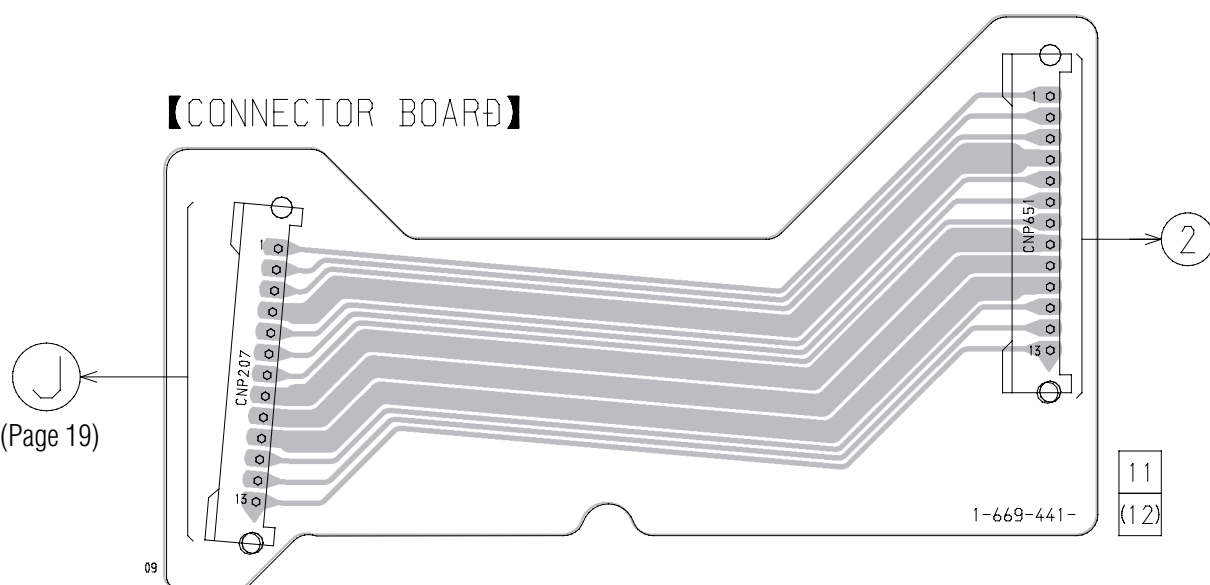


3-16. PRINTED WIRING BOARD – POWER AMP SECTION –
• See page 5 for Circuit Boards Location.

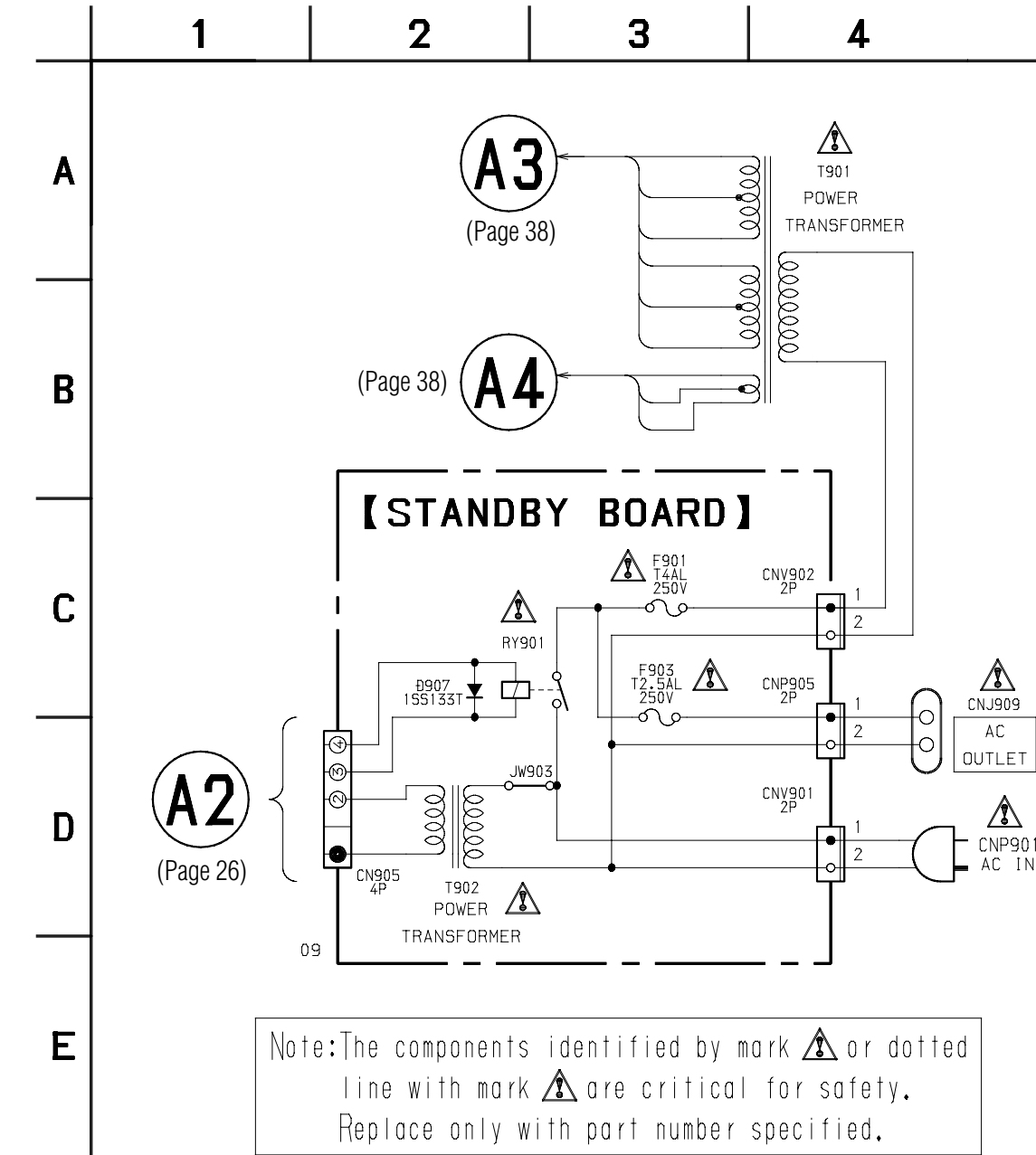


• Semiconductor Location

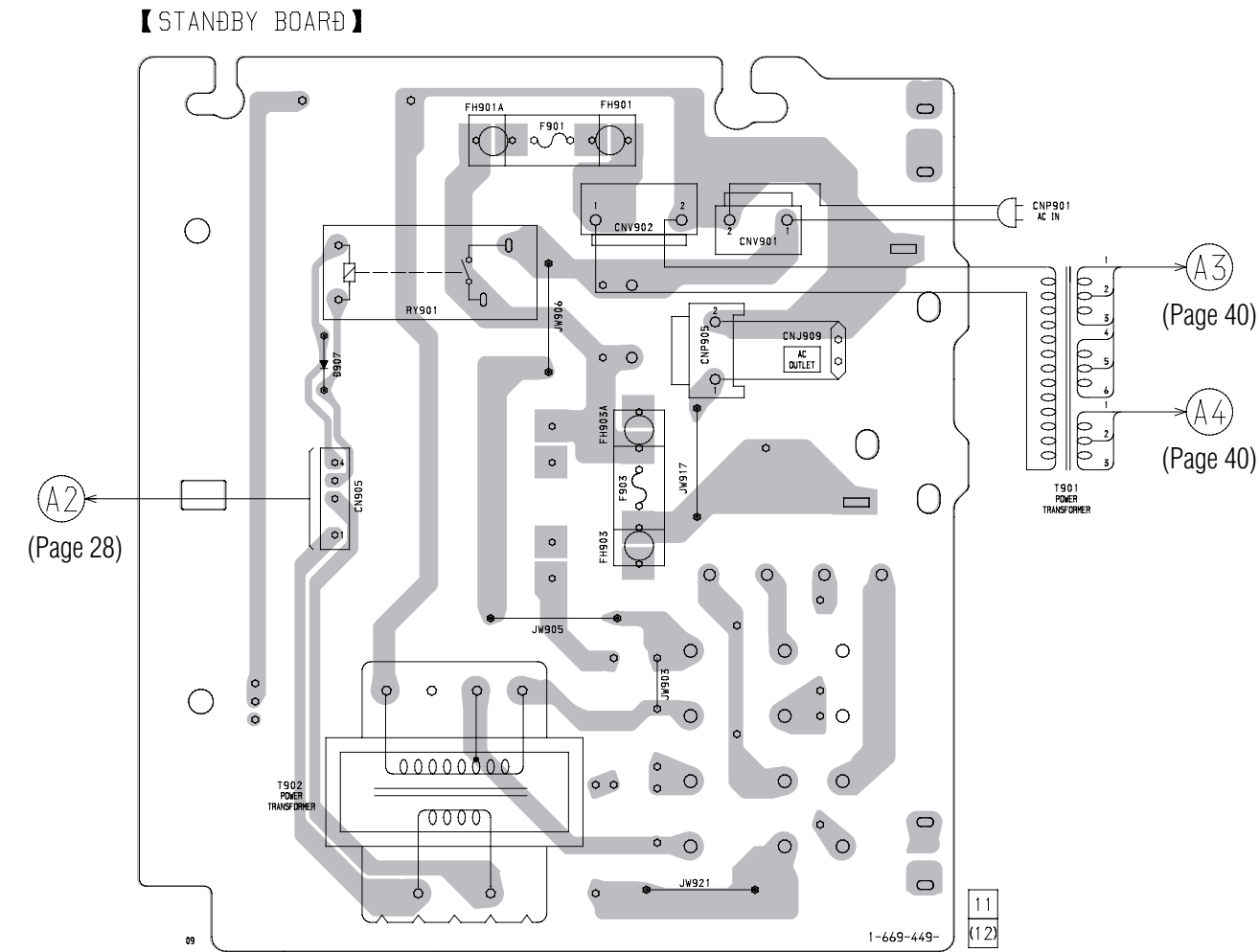
Ref. No.	Location
D501	D-5
D502	D-4
D503	D-5
D504	D-5
D505	B-3
D506	A-3
D545	A-2
D546	D-2
D547	C-10
D548	C-10
D549	C-10
D551	D-10
D552	D-10
D553	D-10
D554	D-10
D555	B-3
D556	A-3
D601	D-7
D602	D-7
D603	D-7
D604	D-7
D608	A-10
D801	B-7
D802	C-8
D803	C-8
D804	C-8
D805	C-8
D806	A-9
D807	C-6
IC809	B-10
Q504	D-5
Q505	D-5
Q506	D-4
Q507	D-5
Q508	D-6
Q509	B-3
Q510	A-2
Q511	A-3
Q546	A-9
Q547	C-10
Q548	C-10
Q549	C-10
Q554	D-10
Q555	D-10
Q556	D-9
Q557	D-10
Q558	D-11
Q559	B-3
Q560	A-3
Q561	A-3
Q596	A-9
Q601	A-10
Q604	D-7
Q605	D-7
Q606	D-8
Q607	D-7
Q608	D-8
Q613	D-3
Q616	D-2
Q801	C-7



3-17. SCHEMATIC DIAGRAM – TRANS SECTION –

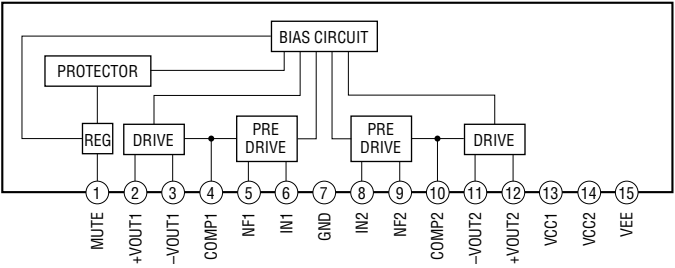


3-18. PRINTED WIRING BOARD – TRANS SECTION –
• See page 5 for Circuit Boards Location.

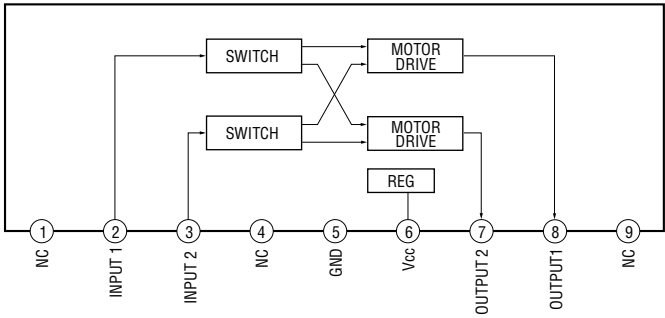


3-19. IC BLOCK DIAGRAMS

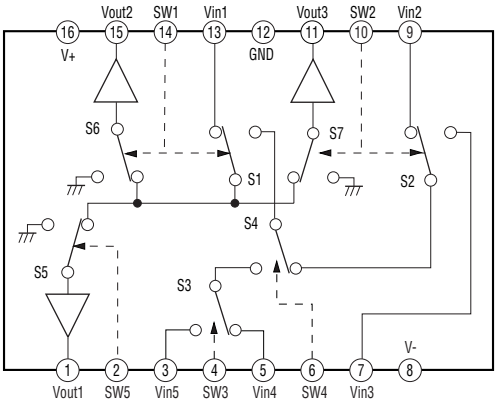
IC001, 601, 701 uPC2581V



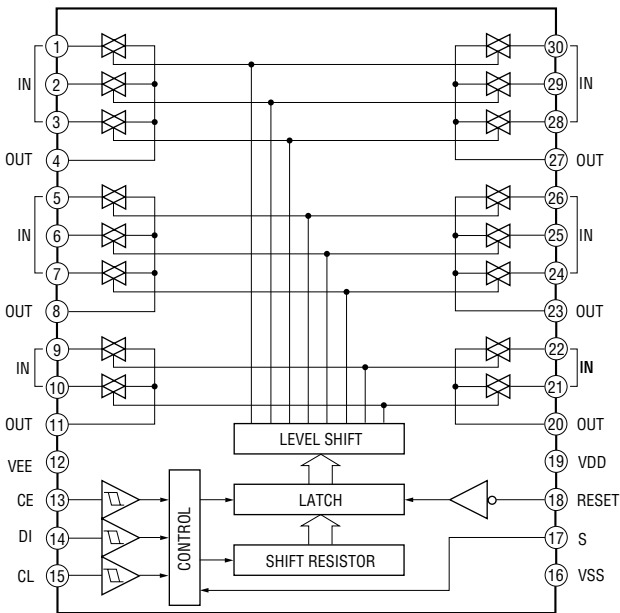
IC106 BA6208



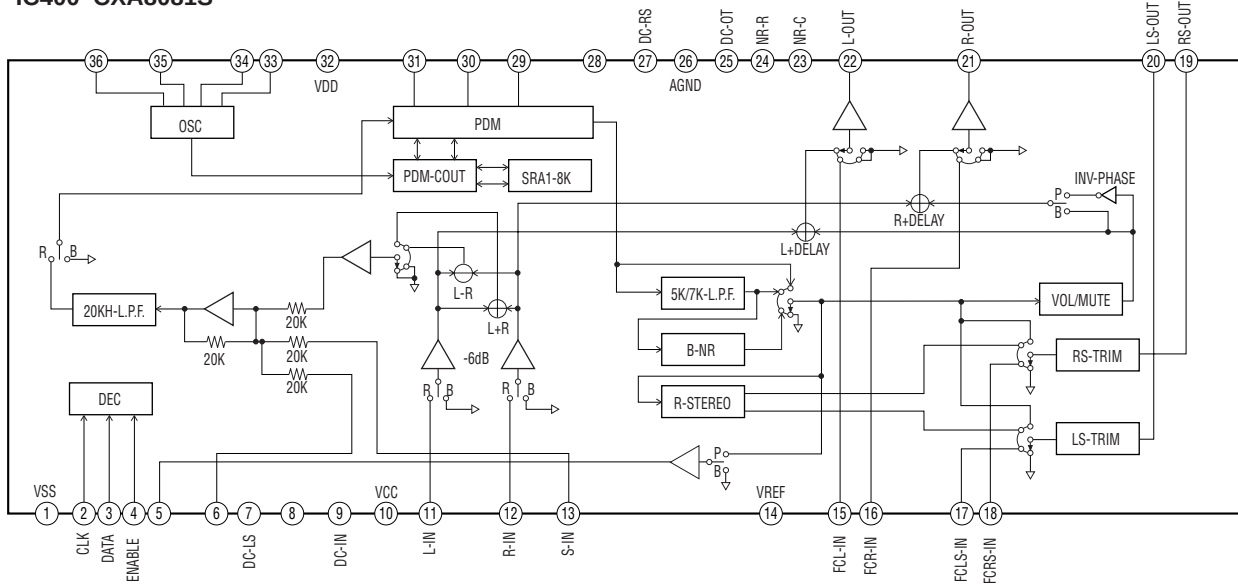
IC251 NJM2296D



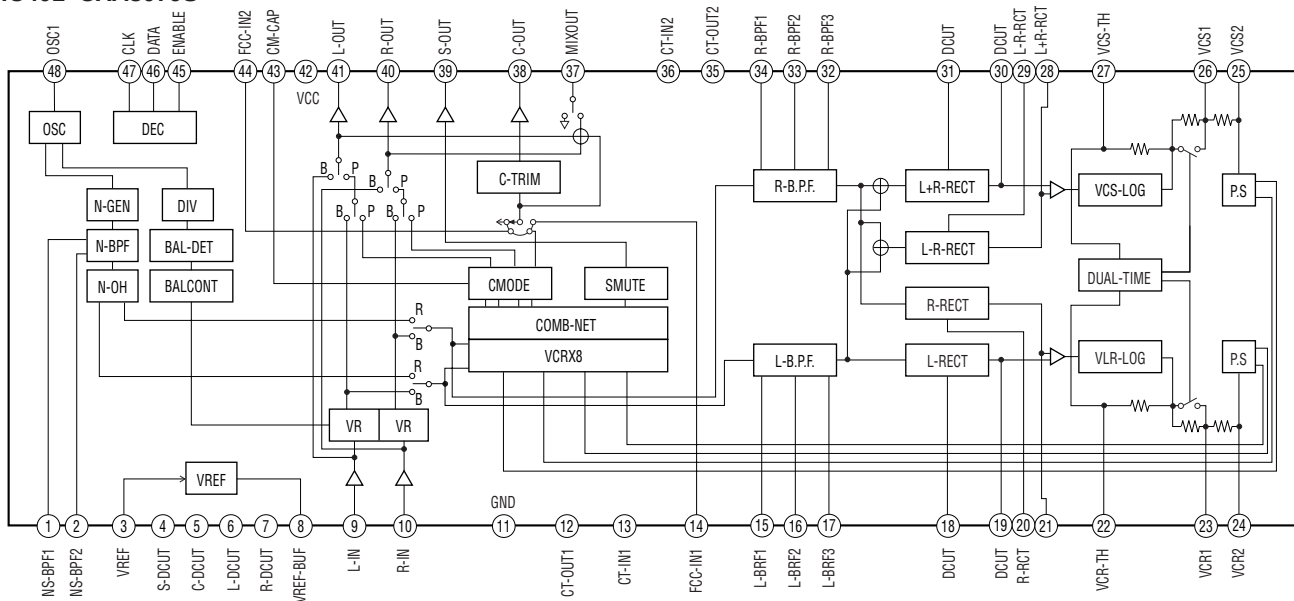
IC302 LC7822



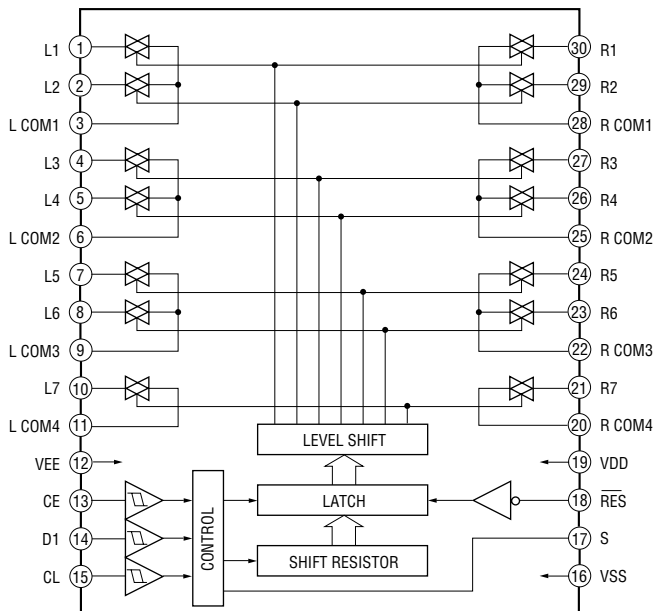
IC400 CXA8081S



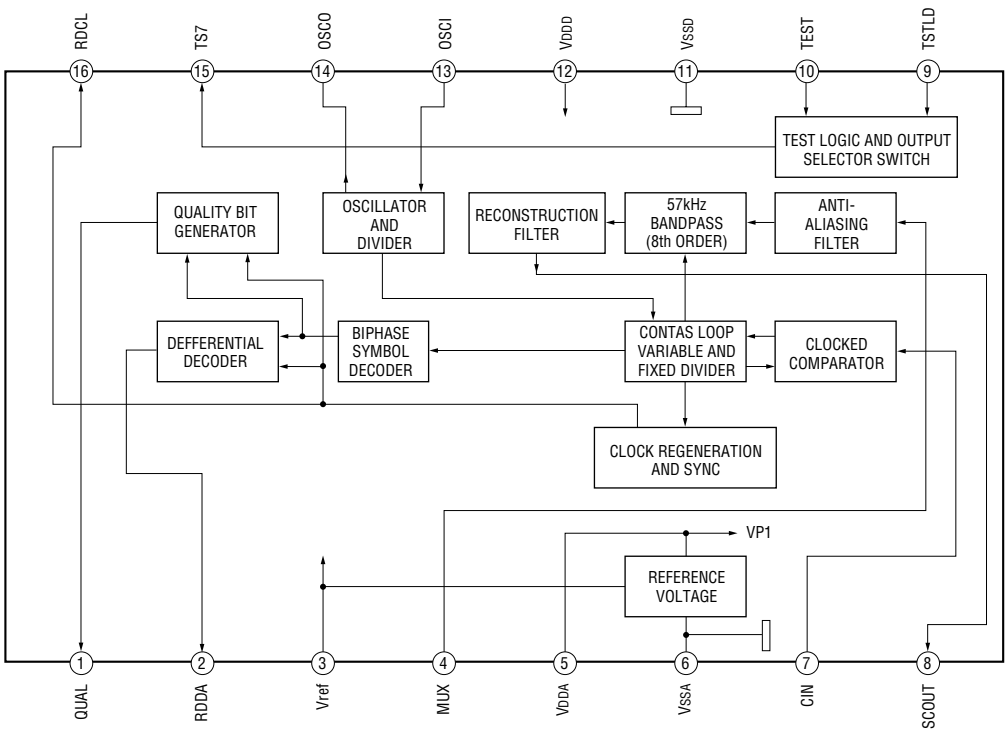
IC401 CXA8079S



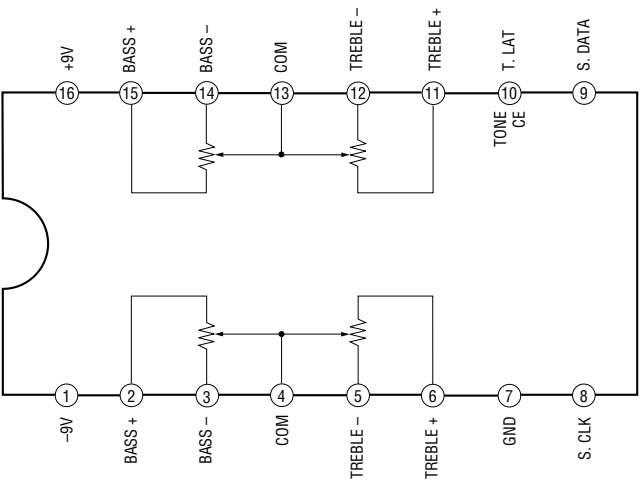
IC403 LC7823



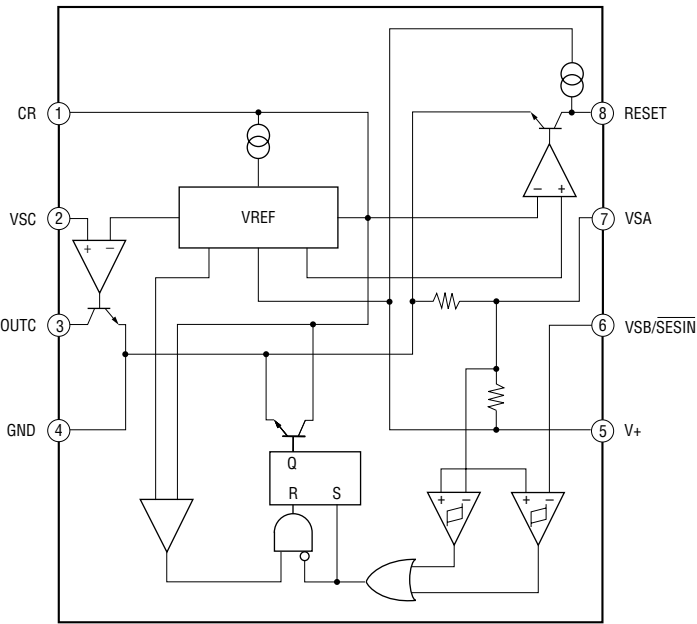
IC452 BU1922



IC502 TC9184P



IC901 NJM2103D



3-20. IC PIN FUNCTIONS

• IC103 uPD780208GF (DISPLAY BOARD)

Pin No.	Pin Name	I/O	Function
1	VDD.+5V	—	Power Supply (+5 V)
2	V-A	O	Video IC SW1
3	V-B	O	Video IC SW2
4	V-E	O	Video IC SW3
5	—	O	Ground through resister
6	S.MUTE	O	S Mute
7	(S.MUTE)	I	Not used (Connected to ground)
8	AC.MUTE	O	A-class mute
9	D.LATCH	O	Dolby latch
10	RESET	I	System reset
11	X2	—	System clock (4.19 MHz)
12	X1	I	System clock (4.19 MHz)
13	VSS.GND	—	Ground
14	NP	—	Not used
15	RDS.DAT.IN	I	RDS data input
16	VDD.+5V	—	+5 V
17	T.LATCH	O	Tone latch
18	S.CLOCK	O	Serial clock
19	S.DATA	O	Serial data
20	S.LATCH	O	Serial latch
21	AUTO.STOP	I	Auto stop
22	TUNER MUTE	O	Tuner mute
23	STEREO	I	Stereo
24	IF.DATA.IN	I	Tuner data in
25	GND.A/D	—	A/D ground (0 V)
26	SIRCS	I	SIRCS input
27	V INH	O	Video IC SW4
28	CTRLA1LAT	O	S-LINK CONTROL A1 latch
29	VERSION	I	Version
30	KEY4/SMETER	I	A/D key 4
31	KEY3	I	A/D key 3
32	KEY2	I	A/D key 2
33	KEY1	I	A/D key 1
34	VDD.A/D.+5V	—	A/D power supply (+5 V)
35	VREF.A/D.+5V	I	A/D reference voltage (+5 V)
36	CTRL-A1.OUT	O	S-LINK CONTROL A1 data output
37	CTRL-A1.IN	I	S-LINK CONTROL A1 data input
38	RDS.CLK.IN	I	RDS clock input
39	STOP	I	STOP
40	VSS.GND	—	Ground

Pin No.	Pin Name	I/O	Function
41	DIRECT.PASS	O	Direct pass relay
42	SUR.RY	O	Surround relay
43	CENTER.RY	O	Center relay
44	FRONT.RY	O	Front relay
45	MIX/SUB.RY	O	Mix/sub relay
46	VDD.+5V	—	+5 V
47	PROTECTOR.IN	I	Protector in
48	POWER.RY	O	Power relay
49	BASS.BOOST	O	Bass boost
50	S.OFF	I	Speaker off
51	VOL–	O	Volume –
52	VOL+	O	Volume +
53	RE.A	I	Function control A
54	RE.B	I	Function control B
55	VOL LED	O	Volume LED
56	POWER.KEY	I	Power switch in
57	5.1.INPUT. LED	O	5.1/DVD input LED
58	DIRECT.PASS.LED	O	Direct pass LED
59	MUTING.LED	O	Muting LED
60	TONE.LED	O	Tone LED
61	SURR.LED	O	Surround LED
62	INDEX.LED	O	Index LED
63	PHONO.LED	O	PHONO LED
64	TUNER.LED	O	TUNER LED
65	CD.LED	O	CD LED
66	MD/TAPE.LED	O	TAPE/MD LED
67	TV/DBS.LED	O	TV/LD LED
68	VIDEO3.LED	O	VIDEO 3 LED
69	VIDEO2.LED	O	VIDEO 2 LED
70	VIDEO1.LED	O	VIDEO 1 LED
71 to 78	P1 to P8	O	FL segment signal output
79	VLOAD	—	FIP pull down (–35 V)
80 to 88	P9 to P17	O	FL segment signal output
89 to 100	G12 to G1	O	FL gride signal output

- Abbreviation

FL : Fluorescent indicator tube

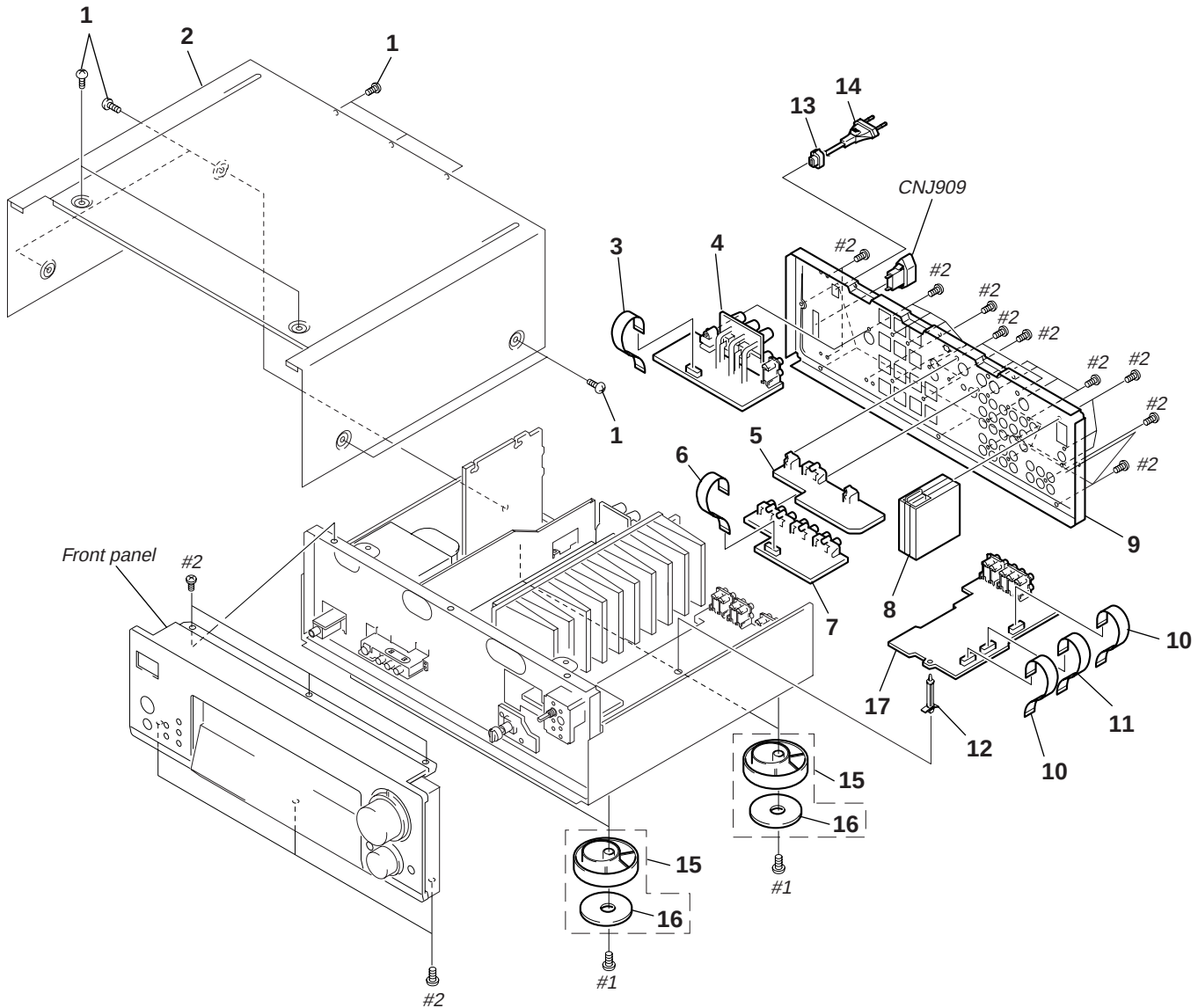
SECTION 4 EXPLODED VIEWS

NOTE:

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

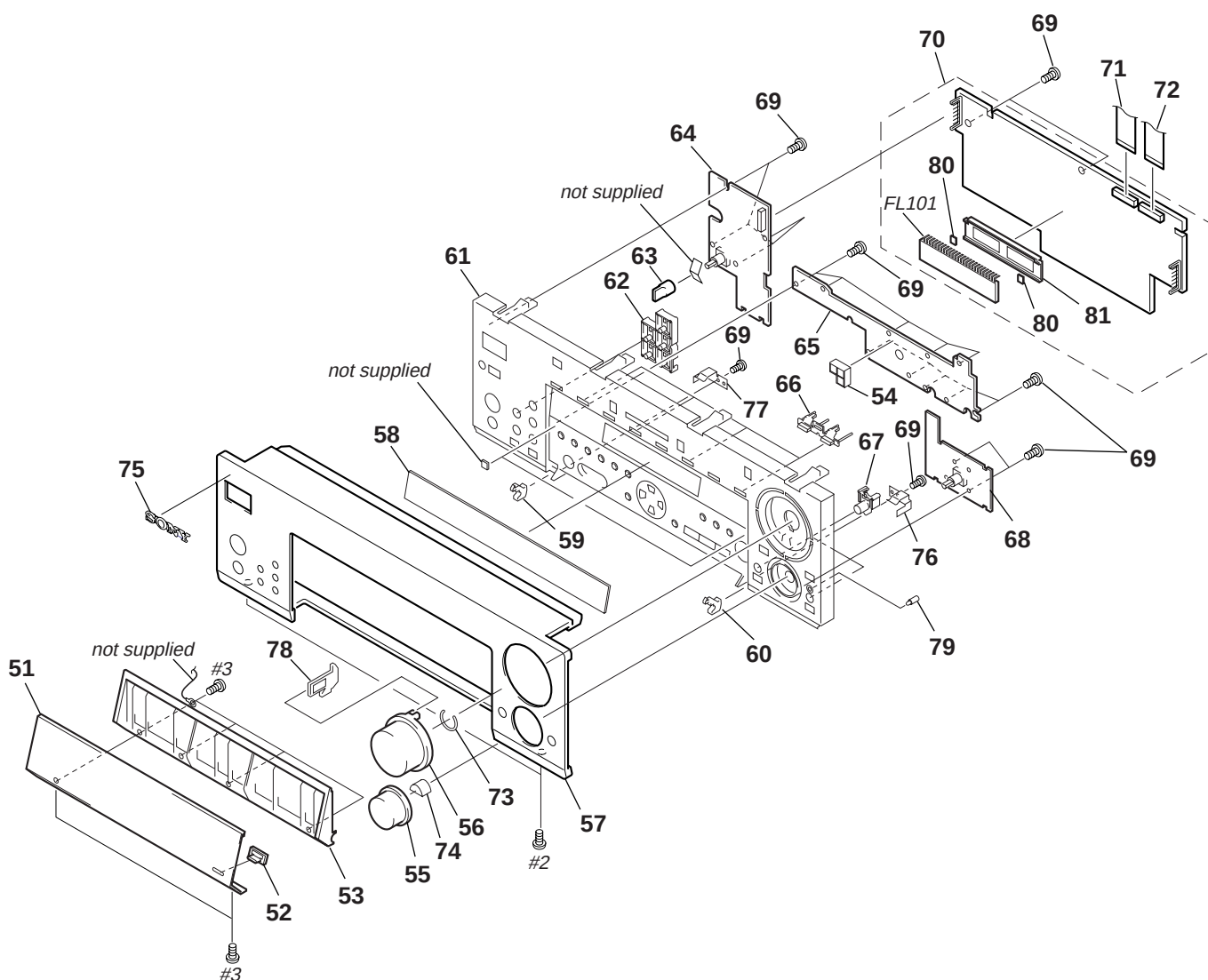
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

4-1. CASE AND BACK PANEL SECTION



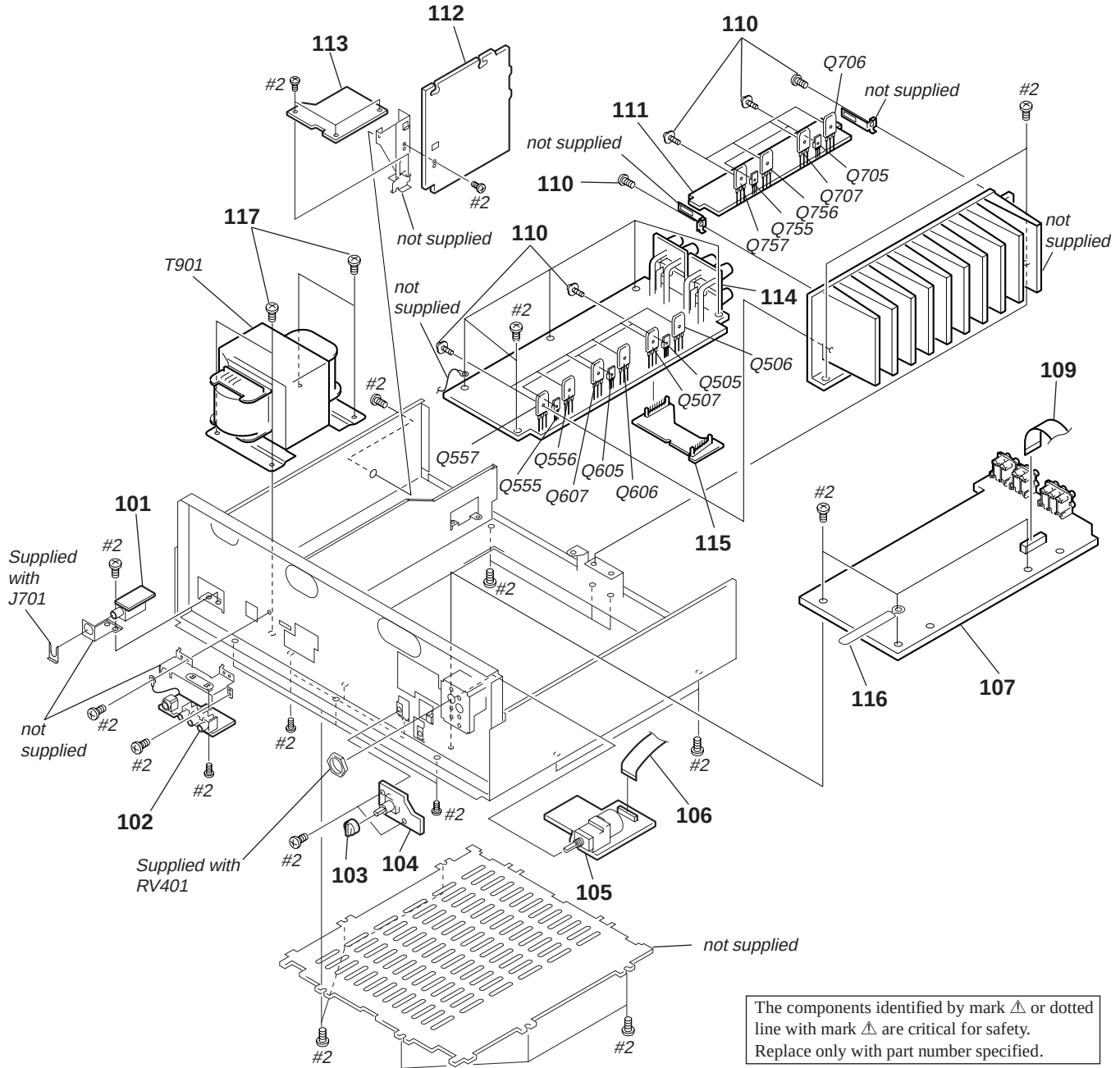
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	4-210-291-01	SCREW, TAPPING		* 9	4-900-493-11	PANEL, BACK (DB825)	
* 2	4-900-512-01	CASE (DB725)		10	1-769-941-11	WIRE (FLAT TYPE)(11 CORE)	
* 2	X-4950-431-1	CASE ASSY (DB825)		11	1-769-908-11	WIRE (FLAT TYPE)(9 CORE)	
3	1-769-877-11	WIRE (FLAT TYPE)(7 CORE)(90mm)		* 12	4-924-098-31	HOLDER, PC BOARD	
* 4	A-4417-192-A	SP BOARD, COMPLETE		* 13	3-703-244-00	BUSHING (2104), CORD	
* 5	A-4407-581-A	S VIDEO BOARD, COMPLETE		$\triangle$ 14	1-769-744-11	CORD, POWER	
6	1-769-875-11	WIRE (FLAT TYPE)(7 CORE)(70mm)		15	X-4949-523-1	FOOT ASSY (F50180S)	
* 7	1-670-097-11	VIDEO BOARD		16	4-970-124-01	CUSHION (F50180S)	
8	1-693-409-11	TUNER		* 17	A-4407-575-A	SURR BOARD, COMPLETE	
* 9	4-900-493-01	PANEL, BACK (DB725)		$\triangle$ CNJ909	1-526-794-11	OUTLET, AC (AC OUTLET)	

4-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-900-570-11	ESCUTCHEON (A-LID)		67	4-900-491-01	BUTTON (MUTE)	
52	4-900-492-01	KNOB (LID)		* 68	1-670-099-11	FUNCTION BOARD	
* 53	4-900-569-01	ESCUTCHEON (M-LID)		69	4-951-620-01	SCREW (2.6X8), +BVTP	
* 54	4-900-579-01	COVER (STI)		* 70	A-4414-144-A	DISPLAY BOARD, COMPLETE (DB725)	
55	X-4948-601-1	KNOB (FUNC) ASSY		* 70	A-4414-171-A	DISPLAY BOARD, COMPLETE (DB825)	
56	X-3375-592-1	KNOB (VOL) ASSY		71	1-783-777-11	WIRE (FLAT TYPE)(13 CORE)	
57	4-900-568-11	PANEL, FRONT (DB725)		72	1-773-024-11	WIRE (FLAT TYPE)(15 CORE)(320mm)	
57	4-900-568-21	PANEL, FRONT (DB825)		73	3-350-426-01	SPRING, RING	
58	4-900-566-11	WINDOW		74	3-703-466-00	SPRING (6600)	
59	4-900-572-01	FULCRUM (L)		75	4-942-568-41	EMBLEM (NO.5), SONY	
60	4-900-571-01	FULCRUM (R)		76	4-900-577-01	SPRING (1)(R)	
61	X-3375-589-1	BASE ASSY, PANEL		77	4-900-576-01	SPRING (1)(L)	
62	4-900-563-01	BUTTON (5)		78	4-998-207-11	INDICATOR (VOL)	
63	4-957-383-01	KNOB (F14)		79	4-999-431-01	LENS, LED	
* 64	1-670-101-11	SP SWITCH BOARD		* 80	4-921-941-01	CUSHION (FL)	
* 65	1-670-095-11	SW BOARD		* 81	3-386-245-11	HOLDER (FL)	
66	4-900-565-01	INDICATOR (2)		FL101	1-517-770-11	INDICATOR TUBE, FLUORESCENT	

4-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 101	1-669-443-11	H.P BOARD		Q505	8-729-209-15	TRANSISTOR 2SD2012	
* 102	1-670-100-11	VIDEO (3) BOARD		Q506	8-749-010-25	IC MN2488-OPY-M	
103	4-900-500-01	KNOB (BAL)		Q507	8-749-010-26	IC MP1620-OPY-M	
* 104	1-670-096-11	BALANCE BOARD					
* 105	1-670-098-11	VOLUME BOARD		Q555	8-729-209-15	TRANSISTOR 2SD2012	
106	1-773-110-11	WIRE (FLAT TYPE)(19 CORE)		Q556	8-749-010-25	IC MN2488-OPY-M	
* 107	A-4414-176-A	INPUT BOARD, COMPLETE		Q557	8-749-010-26	IC MP1620-OPY-M	
109	1-773-008-11	WIRE (FLAT TYPE)(15 CORE)(140mm)		Q605	8-729-209-15	TRANSISTOR 2SD2012	
110	3-905-609-11	SCREW (TRANSISTOR)		Q606	8-749-010-25	IC MN2488-OPY-M	
* 111	A-4414-843-A	REAR AMP BOARD, COMPLETE		Q607	8-749-010-26	IC MP1620-OPY-M	
* 112	1-669-449-11	STANDBY BOARD		Q705	8-729-209-15	TRANSISTOR 2SD2012	
* 113	A-4407-589-A	STANDBY (2) BOARD, COMPLETE		Q706	8-749-010-25	IC MN2488-OPY-M	
* 114	A-4414-175-A	AMP BOARD, COMPLETE (DB825)		Q707	8-749-010-26	IC MP1620-OPY-M	
* 114	A-4417-193-A	AMP BOARD, COMPLETE (DB725)		Q755	8-729-209-15	TRANSISTOR 2SD2012	
* 115	1-669-441-11	CONNECTOR BOARD		Q756	8-749-010-25	IC MN2488-OPY-M	
116	3-703-397-01	STOPPER, WIRING		Q757	8-749-010-26	IC MP1620-OPY-M	
117	4-900-386-01	SCREW		Δ T901	1-431-811-11	TRANSFORMER, POWER	

SECTION 5 ELECTRICAL PARTS LIST

AMP

Note:

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

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

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4414-175-A	AMP BOARD, COMPLETE (DB825) *****		* CNV802	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P	
						< DIODE >	
*	A-4417-193-A	AMP BOARD, COMPLETE (DB725) *****		D501	8-719-911-19	DIODE 1SS119-25	
		< CAPACITOR >		D502	8-719-109-51	DIODE RD2.0ES-B2	
				D503	8-719-109-51	DIODE RD2.0ES-B2	
C501	1-126-965-11	ELECT 22uF 20% 50V		D504	8-719-911-19	DIODE 1SS119-25	
C520	1-126-967-11	ELECT 47uF 20% 50V		D505	8-719-911-19	DIODE 1SS119-25	
C521	1-107-597-11	CERAMIC 22PF 10% 500V		D506	8-719-911-19	DIODE 1SS119-25	
C522	1-107-597-11	CERAMIC 22PF 10% 500V		D545	8-719-911-19	DIODE 1SS119-25	
C523	1-162-286-31	CERAMIC 220PF 10% 50V		D546	8-719-911-19	DIODE 1SS119-25	
				D547	8-719-911-19	DIODE 1SS119-25	
C524	1-126-964-11	ELECT 10uF 20% 50V		D548	8-719-911-19	DIODE 1SS119-25	
C525	1-136-157-00	FILM 0.022uF 5% 50V		D549	8-719-911-19	DIODE 1SS119-25	
C526	1-136-153-00	FILM 0.01uF 5% 50V		D551	8-719-911-19	DIODE 1SS119-25	
C570	1-126-967-11	ELECT 47uF 20% 50V		D552	8-719-109-51	DIODE RD2.0ES-B2	
C571	1-107-597-11	CERAMIC 22PF 10% 500V		D553	8-719-109-51	DIODE RD2.0ES-B2	
				D554	8-719-911-19	DIODE 1SS119-25	
C572	1-107-597-11	CERAMIC 22PF 10% 500V		D555	8-719-911-19	DIODE 1SS119-25	
C573	1-162-286-31	CERAMIC 220PF 10% 50V		D556	8-719-911-19	DIODE 1SS119-25	
C574	1-126-964-11	ELECT 10uF 20% 50V		D601	8-719-911-19	DIODE 1SS119-25	
C575	1-136-157-00	FILM 0.022uF 5% 50V		D602	8-719-109-51	DIODE RD2.0ES-B2	
C576	1-136-153-00	FILM 0.01uF 5% 50V		D603	8-719-109-51	DIODE RD2.0ES-B2	
				D604	8-719-911-19	DIODE 1SS119-25	
C590	1-126-935-11	ELECT 470uF 20% 6.3V		D608	8-719-911-19	DIODE 1SS119-25	
C620	1-126-967-11	ELECT 47uF 20% 50V		D801	8-719-302-38	DIODE RBV-602-01	
C621	1-107-597-11	CERAMIC 22PF 10% 500V		D802	8-719-200-82	DIODE 11ES2	
C622	1-107-597-11	CERAMIC 22PF 10% 500V		D803	8-719-200-82	DIODE 11ES2	
C623	1-162-286-31	CERAMIC 220PF 10% 50V		D804	8-719-200-82	DIODE 11ES2	
				D805	8-719-200-82	DIODE 11ES2	
C625	1-136-157-00	FILM 0.022uF 5% 50V		D806	8-719-068-24	DIODE HZ5.6BP-TK	
C801	1-126-967-11	ELECT 47uF 20% 50V		D807	8-719-934-21	DIODE HZS30-1L	
C803	1-117-950-11	ELECT 10000uF 20% 63V				< GROUND TERMINAL >	
C804	1-117-950-11	ELECT 10000uF 20% 63V		* EB702	1-537-738-21	TERMINAL, EARTH	
C805	1-130-781-00	FILM 0.22uF 10% 100V		* EB703	1-537-738-21	TERMINAL, EARTH	
						< FUSE, FUSE HOLDER >	
C806	1-130-781-00	FILM 0.22uF 10% 100V		Δ F801	1-532-506-51	FUSE (T6.3AL/250V)	
C811	1-126-952-11	ELECT 1000uF 20% 35V		F801	1-533-223-11	HOLDER, FUSE	
C812	1-126-951-11	ELECT 470uF 20% 35V		Δ F802	1-532-506-51	FUSE (T6.3AL/250V)	
C813	1-126-967-11	ELECT 47uF 20% 50V		F802	1-533-223-11	HOLDER, FUSE	
C817	1-126-967-11	ELECT 47uF 20% 50V		Δ F803	1-532-504-51	FUSE (T4AL/250V)	
				F803	1-533-223-11	HOLDER, FUSE	
C818	1-126-967-11	ELECT 47uF 20% 50V		Δ F804	1-532-504-51	FUSE (T4AL/250V)	
CC48	1-136-153-00	CERAMIC 5% 50V		F804	1-533-223-11	HOLDER, FUSE	
CC49	1-136-153-00	CERAMIC 5% 50V					
CC98	1-136-153-00	CERAMIC 5% 50V					
CC99	1-136-153-00	CERAMIC 5% 50V					
		< CONNECTOR >					
* CND805	1-564-341-11	PIN, CONNECTOR 7P					
CNS651	1-784-806-11	HOUSING, CONNECTOR (PC BOARD) 13P					
CNS804	1-568-439-11	SOCKET, CONNECTOR 7P					
* CNV801	1-564-243-11	PIN, CONNECTOR 6P					

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
< IC >				R532	1-249-437-11	CARBON	47K 5% 1/4W
IC809	8-759-708-05	IC NJM78L05A		△ R533	1-249-393-11	CARBON	10 5% 1/4W F
< COIL >				△ R534	1-249-389-11	CARBON	4.7 5% 1/4W F
L501	1-411-906-11	COIL, AIR-CORE		R535	1-249-431-11	CARBON	15K 5% 1/4W
L551	1-411-906-11	COIL, AIR-CORE		R539	1-249-427-11	CARBON	6.8K 5% 1/4W F
< TRANSISTOR >				R540	1-249-417-11	CARBON	1K 5% 1/4W F
Q504	8-729-119-76	TRANSISTOR 2SA1175-HFE		R542	1-249-429-11	CARBON	10K 5% 1/4W
Q505	8-729-209-15	TRANSISTOR 2SD2012		R547	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q506	8-749-010-25	IC MN2488-OPY-M		R548	1-249-429-11	CARBON	10K 5% 1/4W
Q507	8-749-010-26	IC MP1620-OPY-M		△ R549	1-249-393-11	CARBON	10 5% 1/4W F
Q508	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R551	1-247-881-00	CARBON	120K 5% 1/4W
Q509	8-729-281-53	TRANSISTOR 2SC1815-GR		R552	1-247-881-00	CARBON	120K 5% 1/4W
Q510	8-729-900-63	TRANSISTOR DTA124ES		R571	1-249-429-11	CARBON	10K 5% 1/4W
Q511	8-729-900-63	TRANSISTOR DTA124ES		R572	1-249-437-11	CARBON	47K 5% 1/4W F
Q546	8-729-119-79	TRANSISTOR 2SC2785-FEK		R573	1-249-421-11	CARBON	2.2K 5% 1/4W F
Q547	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		△ R574	1-249-408-11	CARBON	180 5% 1/4W F
Q548	8-729-119-79	TRANSISTOR 2SC2785-FEK		△ R575	1-249-408-11	CARBON	180 5% 1/4W F
Q549	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R576	1-233-352-41	ENCAPSULATED COMPONENT	
Q554	8-729-119-76	TRANSISTOR 2SA1175-HFE		R577	1-247-850-11	CARBON	6.2K 5% 1/4W
Q555	8-729-209-15	TRANSISTOR 2SD2012		R578	1-249-417-11	CARBON	1K 5% 1/4W F
Q556	8-749-010-25	IC MN2488-OPY-M		R579	1-247-866-11	CARBON	30K 5% 1/4W
Q557	8-749-010-26	IC MP1620-OPY-M		R580	1-249-422-11	CARBON	2.7K 5% 1/4W F
Q558	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R581	1-249-433-11	CARBON	22K 5% 1/4W
Q559	8-729-281-53	TRANSISTOR 2SC1815-GR		R582	1-249-437-11	CARBON	47K 5% 1/4W
Q560	8-729-900-63	TRANSISTOR DTA124ES		△ R583	1-249-393-11	CARBON	10 5% 1/4W F
Q561	8-729-900-63	TRANSISTOR DTA124ES		△ R584	1-249-389-11	CARBON	4.7 5% 1/4W F
Q596	8-729-119-79	TRANSISTOR 2SC2785-FEK		R585	1-249-431-11	CARBON	15K 5% 1/4W
Q601	8-729-119-79	TRANSISTOR 2SC2785-FEK		R586	1-249-429-11	CARBON	10K 5% 1/4W
Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE		R587	1-249-425-11	CARBON	4.7K 5% 1/4W F
Q605	8-729-209-15	TRANSISTOR 2SD2012		△ R588	1-249-393-11	CARBON	10 5% 1/4W F
Q606	8-749-010-25	IC MN2488-OPY-M		R589	1-249-432-11	CARBON	18K 5% 1/4W
Q607	8-749-010-26	IC MP1620-OPY-M		R590	1-249-432-11	CARBON	18K 5% 1/4W
Q608	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		R605	1-249-429-11	CARBON	10K 5% 1/4W
Q613	8-729-281-53	TRANSISTOR 2SC1815-GR		△ R606	1-249-393-11	CARBON	10 5% 1/4W F
Q616	8-729-900-36	TRANSISTOR DTC124ES		R621	1-249-429-11	CARBON	10K 5% 1/4W
Q801	8-729-140-97	TRANSISTOR 2SB734-34		R622	1-247-881-00	CARBON	120K 5% 1/4W
< RESISTOR >				R623	1-249-421-11	CARBON	2.2K 5% 1/4W F
R501	1-249-432-11	CARBON	18K 5% 1/4W	△ R624	1-249-408-11	CARBON	180 5% 1/4W F
R502	1-249-421-11	CARBON	2.2K 5% 1/4W F	△ R625	1-249-408-11	CARBON	180 5% 1/4W F
R503	1-249-432-11	CARBON	18K 5% 1/4W	△ R626	1-233-352-41	ENCAPSULATED COMPONENT	
R504	1-249-429-11	CARBON	10K 5% 1/4W	R627	1-247-850-11	CARBON	6.2K 5% 1/4W
△ R505	1-249-405-11	CARBON	100 5% 1/4W F	R628	1-249-417-11	CARBON	1K 5% 1/4W F
△ R506	1-249-381-11	CARBON	1 5% 1/4W F	R632	1-249-437-11	CARBON	47K 5% 1/4W
R521	1-249-429-11	CARBON	10K 5% 1/4W	△ R633	1-249-393-11	CARBON	10 5% 1/4W F
R522	1-249-437-11	CARBON	47K 5% 1/4W F	△ R642	1-215-890-11	METAL OXIDE	470 5% 2W F
R523	1-249-421-11	CARBON	2.2K 5% 1/4W F	R643	1-249-441-11	CARBON	100K 5% 1/4W F
△ R524	1-249-408-11	CARBON	180 5% 1/4W F	R650	1-249-425-11	CARBON	4.7K 5% 1/4W F
△ R525	1-249-408-11	CARBON	180 5% 1/4W F	R672	1-249-437-11	CARBON	47K 5% 1/4W F
△ R526	1-233-352-41	ENCAPSULATED COMPONENT		△ R739	1-215-868-00	METAL OXIDE	680 5% 1W F
R527	1-247-850-11	CARBON	6.2K 5% 1/4W	△ R789	1-215-868-00	METAL OXIDE	680 5% 1W F
R528	1-249-417-11	CARBON	1K 5% 1/4W F	△ R802	1-249-401-11	CARBON	47 5% 1/4W F
R529	1-247-866-11	CARBON	30K 5% 1/4W	R803	1-247-843-11	CARBON	3.3K 5% 1/4W
R530	1-249-422-11	CARBON	2.7K 5% 1/4W F	△ RR48	1-249-393-11	CARBON	10 5% 1/4W F
R531	1-249-433-11	CARBON	22K 5% 1/4W	△ RR49	1-249-393-11	CARBON	10 5% 1/4W F
				△ RR98	1-249-393-11	CARBON	10 5% 1/4W F
				△ RR99	1-249-393-11	CARBON	10 5% 1/4W F

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

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DISPLAY

Ref. No.	Part No.	Description	Remark
IC107	8-759-267-86	IC SN74HC00ANS-E20 (DB825)	
		< COIL >	
L101	1-410-509-11	INDUCTOR 10uH	
L102	1-408-080-00	INDUCTOR 100uH (DB825)	
		< TRANSISTOR >	
Q101	8-729-900-36	TRANSISTOR DTC124ES	
Q102	8-729-900-63	TRANSISTOR DTA124ES	
Q103	8-729-900-36	TRANSISTOR DTC124ES	
Q104	8-729-900-36	TRANSISTOR DTC124ES	
Q105	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q106	8-729-119-79	TRANSISTOR 2SC2785-FEK (DB825)	
Q107	8-729-900-80	TRANSISTOR DTC114ES (DB825)	
Q108	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q129	8-729-801-93	TRANSISTOR 2SD1387 (DB825)	
Q130	8-729-801-93	TRANSISTOR 2SD1387 (DB825)	
Q150	8-729-900-36	TRANSISTOR DTC124ES	
Q413	8-729-900-80	TRANSISTOR DTC114ES	
Q1101	8-729-119-79	TRANSISTOR 2SC2785-FEK	
		< RESISTOR >	
R101	1-249-429-11	CARBON 10K 5%	1/4W
R103	1-249-425-11	CARBON 4.7K 5%	1/4W F
R104	1-249-429-11	CARBON 10K 5%	1/4W
R105	1-249-425-11	CARBON 4.7K 5%	1/4W F
R106	1-249-425-11	CARBON 4.7K 5%	1/4W F
R107	1-249-425-11	CARBON 4.7K 5%	1/4W F
R109	1-247-843-11	CARBON 3.3K 5%	1/4W
R110	1-247-843-11	CARBON 3.3K 5%	1/4W
R111	1-247-843-11	CARBON 3.3K 5%	1/4W
R112	1-249-417-11	CARBON 1K 5%	1/4W F
R113	1-249-441-11	CARBON 100K 5%	1/4W
R114	1-249-429-11	CARBON 10K 5%	1/4W
R115	1-247-807-31	CARBON 100 5%	1/4W
R116	1-247-807-31	CARBON 100 5%	1/4W
R117	1-249-425-11	CARBON 4.7K 5%	1/4W F
R118	1-247-807-31	CARBON 100 5%	1/4W
R119	1-249-425-11	CARBON 4.7K 5%	1/4W F
R123	1-247-807-31	CARBON 100 5%	1/4W
R124	1-249-417-11	CARBON 1K 5%	1/4W F
R128	1-247-807-31	CARBON 100 5%	1/4W
R129	1-247-807-31	CARBON 100 5%	1/4W
R130	1-247-807-31	CARBON 100 5%	1/4W
R131	1-247-807-31	CARBON 100 5%	1/4W
R132	1-247-807-31	CARBON 100 5%	1/4W
R133	1-247-807-31	CARBON 100 5%	1/4W
R134	1-247-807-31	CARBON 100 5%	1/4W
R135	1-247-807-31	CARBON 100 5%	1/4W
R136	1-247-807-31	CARBON 100 5%	1/4W
R137	1-249-429-11	CARBON 10K 5%	1/4W
R138	1-247-807-31	CARBON 100 5%	1/4W
R139	1-247-807-31	CARBON 100 5%	1/4W
R140	1-247-807-31	CARBON 100 5%	1/4W
R142	1-247-807-31	CARBON 100 5%	1/4W
R143	1-247-807-31	CARBON 100 5%	1/4W
R144	1-247-807-31	CARBON 100 5%	1/4W

Ref. No.	Part No.	Description	Remark
R146	1-249-383-11	CARBON 1.5 5%	1/6W F (DB825)
R148	1-249-425-11	CARBON 4.7K 5%	1/4W F (DB825)
R150	1-249-409-11	CARBON 220 5%	1/4W
R152	1-249-411-11	CARBON 330 5%	1/4W
R153	1-249-411-11	CARBON 330 5%	1/4W
R154	1-249-411-11	CARBON 330 5%	1/4W
R155	1-249-429-11	CARBON 10K 5%	1/4W
R156	1-249-421-11	CARBON 2.2K 5%	1/4W F
R157	1-249-421-11	CARBON 2.2K 5%	1/4W F
R159	1-249-429-11	CARBON 10K 5%	1/4W
R160	1-249-429-11	CARBON 10K 5%	1/4W
R161	1-249-437-11	CARBON 47K 5%	1/4W
R162	1-249-433-11	CARBON 22K 5%	1/4W
R165	1-249-429-11	CARBON 10K 5%	1/4W (DB825)
R167	1-249-385-00	CARBON 2.2 5%	1/4W F (DB825)
R168	1-249-429-11	CARBON 10K 5%	1/4W (DB825)
R171	1-249-429-11	CARBON 10K 5%	1/4W (DB825)
R172	1-249-417-11	CARBON 1K 5%	1/4W F
R190	1-249-429-11	CARBON 10K 5%	1/4W
R1101	1-249-393-11	CARBON 10 5%	1/4W F
R1106	1-249-429-11	CARBON 10K 5%	1/4W
R1107	1-249-429-11	CARBON 10K 5%	1/4W
R1108	1-249-425-11	CARBON 4.7K 5%	1/4W F
R3000	1-249-385-11	CARBON 2.2 5%	1/4W F
RR10	1-247-843-11	CARBON 3.3K 5%	1/4W
RR11	1-249-409-11	CARBON 220 5%	1/4W F
RR12	1-249-411-11	CARBON 330 5%	1/4W
RR13	1-249-413-11	CARBON 470 5%	1/4W F
RR101	1-249-437-11	CARBON 47K 5%	1/4W
RR102	1-249-437-11	CARBON 47K 5%	1/4W
RR103	1-249-437-11	CARBON 47K 5%	1/4W
RR104	1-249-437-11	CARBON 47K 5%	1/4W
RR105	1-249-437-11	CARBON 47K 5%	1/4W
RR106	1-249-437-11	CARBON 47K 5%	1/4W
RR107	1-249-437-11	CARBON 47K 5%	1/4W
RR108	1-249-437-11	CARBON 47K 5%	1/4W
RR109	1-249-437-11	CARBON 47K 5%	1/4W
RR110	1-249-437-11	CARBON 47K 5%	1/4W
RR111	1-249-437-11	CARBON 47K 5%	1/4W
RR112	1-249-437-11	CARBON 47K 5%	1/4W
RR113	1-249-437-11	CARBON 47K 5%	1/4W
RR114	1-249-437-11	CARBON 47K 5%	1/4W
RR115	1-249-437-11	CARBON 47K 5%	1/4W
RR116	1-249-437-11	CARBON 47K 5%	1/4W
RR117	1-249-437-11	CARBON 47K 5%	1/4W
RR118	1-249-437-11	CARBON 47K 5%	1/4W
RR119	1-249-437-11	CARBON 47K 5%	1/4W
RR120	1-249-437-11	CARBON 47K 5%	1/4W
RR121	1-249-437-11	CARBON 47K 5%	1/4W
RR122	1-249-437-11	CARBON 47K 5%	1/4W
RR123	1-249-437-11	CARBON 47K 5%	1/4W
RR124	1-249-437-11	CARBON 47K 5%	1/4W
RR125	1-249-437-11	CARBON 47K 5%	1/4W

DISPLAY
FUNCTION
H.P
INPUT

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
RR126	1-249-437-11	CARBON	47K	5%	1/4W	C054	1-107-584-11	CERAMIC	4PF	0.25PF	500V
RR127	1-249-437-11	CARBON	47K	5%	1/4W	C056	1-162-282-31	CERAMIC	100PF	10%	50V
						C100	1-126-948-11	ELECT	100uF	20%	35V
RR128	1-249-437-11	CARBON	47K	5%	1/4W	C300	1-162-283-31	CERAMIC	120PF	10%	50V
RR129	1-249-437-11	CARBON	47K	5%	1/4W	C301	1-162-283-31	CERAMIC	120PF	10%	50V
< VIBRATOR >						C303	1-162-306-11	CERAMIC	0.01uF	20%	16V
X101	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)				C303	1-162-306-11	CERAMIC	0.01uF	20%	16V
X102	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)(DB825)				C306	1-126-961-11	ELECT	2.2uF	20%	50V
*****						C307	1-126-961-11	ELECT	2.2uF	20%	50V
*****						C308	1-126-934-11	ELECT	220uF	20%	10V
*****						C309	1-126-934-11	ELECT	220uF	20%	10V
*	1-670-099-11	FUNCTION BOARD				C310	1-125-896-91	MYLAR	0.0091uF	5%	50V
*****						C311	1-125-896-91	MYLAR	0.0091uF	5%	50V
< CONNECTOR >						C312	1-136-159-00	FILM	0.033uF	5%	50V
CNS120	1-770-404-11	HOUSING,CONNECTOR(PC BOARD)11P				C313	1-136-159-00	FILM	0.033uF	5%	50V
< DIODE >						C314	1-126-961-11	ELECT	2.2uF	20%	50V
D116	8-719-313-45	DIODE SEL6810A-TH10 (TUNING)				C315	1-126-961-11	ELECT	2.2uF	20%	50V
< RESISTOR >						C316	1-126-933-11	ELECT	100uF	20%	16V
R151	1-249-413-11	CARBON	470	5%	1/4W	C317	1-126-933-11	ELECT	100uF	20%	16V
RR154	1-249-411-11	CARBON	330	5%	1/4W	C318	1-104-664-11	ELECT	47uF	20%	16V
RR155	1-249-409-11	CARBON	220	5%	1/4W F	C319	1-104-664-11	ELECT	47uF	20%	16V
< VARIABLE RESISTOR >						C320	1-126-965-11	ELECT	22uF	20%	50V
RV101	1-467-808-11	ENCODER, ROTARY (FUNCTION)				C322	1-162-294-31	CERAMIC	0.001uF	10%	50V
< SWITCH >						C323	1-162-282-31	CERAMIC	100PF	10%	50V
S129	1-762-751-11	SWITCH, TACTILE (MUTING)				C332	1-164-159-11	CERAMIC	0.1uF		50V
S130	1-762-751-11	SWITCH, TACTILE (MODE)				C333	1-164-159-11	CERAMIC	0.1uF		50V
*****						C334	1-164-159-11	CERAMIC	0.1uF		50V
*****						C335	1-164-159-11	CERAMIC	0.1uF		50V
*	1-669-443-11	H.P BOARD				C336	1-164-159-11	CERAMIC	0.1uF		50V
*****						C337	1-164-159-11	CERAMIC	0.1uF		50V
< JACK >						C343	1-126-966-11	ELECT	33uF	20%	50V
J701	1-568-519-41	JACK, LARGE TYPE (PHONES)				C344	1-102-508-91	CERAMIC	10PF	0.5PF	50V
*****						C345	1-162-199-31	CERAMIC	10PF	5%	50V
*****						C346	1-162-199-31	CERAMIC	10PF	5%	50V
*****						C349	1-162-199-31	CERAMIC	10PF	5%	50V
*****						C350	1-102-508-91	CERAMIC	10PF	0.5PF	50V
*****						C351	1-126-966-11	ELECT	33uF	20%	50V
*****						C352	1-126-965-11	ELECT	22uF	20%	50V
*****						C353	1-162-306-11	CERAMIC	0.01uF	20%	16V
*****						C370	1-126-965-11	ELECT	22uF	20%	50V
*****						C371	1-126-966-11	ELECT	33uF	20%	50V
*****						C431	1-126-960-11	ELECT	1uF	20%	50V
*****						C433	1-126-960-11	ELECT	1uF	20%	50V
*****						C437	1-126-960-11	ELECT	1uF	20%	50V
*****						C439	1-126-960-11	ELECT	1uF	20%	50V
*****						C443	1-126-960-11	ELECT	1uF	20%	50V
*****						C460	1-164-159-11	CERAMIC	0.1uF		50V
*****						C462	1-126-934-11	ELECT	220uF	20%	16V
*****						C463	1-164-159-11	CERAMIC	0.1uF		50V
*****						C464	1-126-934-11	ELECT	220uF	20%	16V
*****						C465	1-162-207-31	CERAMIC	22PF	5%	50V
*****						C466	1-102-527-11	CERAMIC	82PF	5%	50V
*****						C467	1-126-961-11	ELECT	2.2uF	20%	50V
*****						C468	1-102-852-91	CERAMIC	47PF	5%	50V
*****						C469	1-162-306-11	CERAMIC	0.01uF	20%	16V
*****						C470	1-162-291-31	CERAMIC	560PF	10%	50V
*****						C471	1-126-960-11	ELECT	1uF	20%	50V
*****						C472	1-164-159-11	CERAMIC	0.1uF		50V

INPUT

Ref. No.	Part No.	Description			Remark
C490	1-126-963-11	ELECT	4.7uF	20%	50V
C508	1-136-495-11	FILM	0.068uF	5%	50V
C509	1-136-153-00	FILM	0.01uF	5%	50V
C510	1-110-335-11	MYLAR	100PF	5%	50V
C511	1-130-476-00	MYLAR	0.0027uF	5%	50V
C512	1-136-157-00	FILM	0.022uF	5%	50V
C513	1-136-171-00	FILM	0.33uF	5%	50V
C514	1-136-159-00	FILM	0.033uF	5%	50V
C558	1-136-495-11	FILM	0.068uF	5%	50V
C559	1-136-153-00	FILM	0.01uF	5%	50V
C560	1-110-335-11	MYLAR	100PF	5%	50V
C561	1-130-476-00	MYLAR	0.0027uF	5%	50V
C562	1-136-157-00	FILM	0.022uF	5%	50V
C563	1-136-171-00	FILM	0.33uF	5%	50V
C564	1-136-159-00	FILM	0.033uF	5%	50V
C594	1-128-560-11	ELECT	22uF	20%	100V
C595	1-128-560-11	ELECT	22uF	20%	100V
C596	1-164-159-11	CERAMIC	0.1uF		50V
C597	1-162-282-31	CERAMIC	100PF	10%	50V
C598	1-104-664-11	ELECT	47uF	20%	16V
C599	1-104-664-11	ELECT	47uF	20%	16V
C601	1-126-966-11	ELECT	33uF	20%	50V
C602	1-162-284-31	CERAMIC	150PF	10%	50V
C603	1-102-233-00	CERAMIC	33PF	10%	500V
C604	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C605	1-126-934-11	ELECT	220uF	20%	10V
C606	1-162-282-31	CERAMIC	100PF	10%	50V
C607	1-126-966-11	ELECT	33uF	20%	50V
C610	1-162-282-31	CERAMIC	100PF	10%	50V
C651	1-126-966-11	ELECT	33uF	20%	50V
C652	1-162-284-31	CERAMIC	150PF	10%	50V
C653	1-102-233-00	CERAMIC	33PF	10%	500V
C654	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C655	1-126-934-11	ELECT	220uF	20%	10V
C656	1-162-282-31	CERAMIC	100PF	10%	50V
C657	1-126-966-11	ELECT	33uF	20%	50V
C693	1-126-934-11	ELECT	220uF	20%	10V
C701	1-126-966-11	ELECT	33uF	20%	50V
C702	1-162-284-31	CERAMIC	150PF	10%	50V
C703	1-102-233-00	CERAMIC	33PF	10%	500V
C704	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C705	1-126-934-11	ELECT	220uF	20%	10V
C706	1-162-282-31	CERAMIC	100PF	10%	50V
C710	1-162-282-31	CERAMIC	100PF	10%	50V
C751	1-126-966-11	ELECT	33uF	20%	50V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-102-233-00	CERAMIC	33PF	10%	500V
C754	1-107-584-11	CERAMIC	4PF	0.25PF	500V
C755	1-126-934-11	ELECT	220uF	20%	10V
C756	1-162-282-31	CERAMIC	100PF	10%	50V
C807	1-126-934-11	ELECT	220uF	20%	16V
C808	1-126-934-11	ELECT	220uF	20%	16V
C809	1-126-948-11	ELECT	100uF	20%	35V
C1000	1-161-494-11	CERAMIC	0.022uF	30%	25V
C5001	1-126-966-11	ELECT	33uF	20%	50V
C5051	1-126-966-11	ELECT	33uF	20%	50V
CC01	1-162-282-31	CERAMIC	100PF	10%	50V

Ref. No.	Part No.	Description			Remark
CC02	1-162-286-31	CERAMIC	220PF	10%	50V
CC04	1-162-282-31	CERAMIC	100PF	10%	50V
CC05	1-162-282-31	CERAMIC	100PF	10%	50V
CC06	1-162-282-31	CERAMIC	100PF	10%	50V
CC51	1-162-282-31	CERAMIC	100PF	10%	50V
CC52	1-162-286-31	CERAMIC	220PF	10%	50V
CC54	1-162-282-31	CERAMIC	100PF	10%	50V
CC55	1-162-282-31	CERAMIC	100PF	10%	50V
CC56	1-162-282-31	CERAMIC	100PF	10%	50V
< CONNECTOR >					
* CND201	1-564-342-11	PIN, CONNECTOR 8P			
CNE202	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNE203	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNE208	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CNE209	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNS201	1-569-060-11	SOCKET, CONNECTOR 11P			
CNS202	1-568-442-11	SOCKET, CONNECTOR 9P			
CNS203	1-569-321-11	SOCKET, CONNECTOR 15P			
CNS204	1-568-443-11	SOCKET, CONNECTOR 13P			
CNS205	1-569-323-11	SOCKET, CONNECTOR 19P			
CNS206	1-569-060-11	SOCKET, CONNECTOR 11P			
CNS207	1-784-806-11	HOUSING, CONNECTOR (PC BOARD) 13P			
< DIODE >					
D301	8-719-911-19	DIODE 1SS119-25			
D401	8-719-911-19	DIODE 1SS119-25			
D402	8-719-911-19	DIODE 1SS119-25			
< GROUND TERMINAL >					
* EB301	1-537-738-21	TERMINAL, EARTH			
< IC >					
IC001	8-759-326-52	IC uPC2581V			
IC301	8-759-634-51	IC M5218AP			
IC302	8-759-805-14	IC LC7822			
IC303	8-759-636-74	IC M5218AP-22			
IC304	8-759-634-51	IC M5218AP			
IC305	8-759-634-51	IC M5218AP			
IC306	8-759-634-51	IC M5218AP			
IC450	8-759-604-35	IC M5F78M05L			
IC451	8-759-391-87	IC BA78M12P			
IC452	8-759-450-86	IC BU1922			
IC502	8-759-462-99	IC TC9184AP			
IC601	8-759-326-52	IC uPC2581V			
IC701	8-759-326-52	IC uPC2581V			
IC801	8-759-604-40	IC M5F78M15L			
IC803	8-759-604-46	IC M5F79M15L			
< JACK >					
J201	1-695-188-31	JACK, PIN 4P (PHONO IN, CD IN)			
J202	1-573-028-31	JACK, PIN 4P (TAPE/MD REC OUT/IN)			
J203	1-785-009-11	JACK, PIN 6P (5.1/DVD INPUT)			
< COIL >					
L460	1-410-521-11	INDUCTOR 100uH			

Ref. No.	Part No.	Description	Remark				Ref. No.	Part No.	Description	Remark			
< TRANSISTOR >							R361	1-249-441-11	CARBON	100K	5%	1/4W	
Q300	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R362	1-249-417-11	CARBON	1K	5%	1/4W	F
Q301	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R363	1-249-417-11	CARBON	1K	5%	1/4W	F
Q302	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R364	1-249-429-11	CARBON	10K	5%	1/4W	
Q303	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R365	1-249-429-11	CARBON	10K	5%	1/4W	
Q304	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R366	1-249-429-11	CARBON	10K	5%	1/4W	
							R367	1-249-417-11	CARBON	1K	5%	1/4W	F
Q305	8-729-922-37	TRANSISTOR	2SD2144S-UVW				R368	1-249-441-11	CARBON	100K	5%	1/4W	
Q411	8-729-900-63	TRANSISTOR	DTA124ES				R369	1-247-903-00	CARBON	1M	5%	1/4W	
Q414	8-729-119-76	TRANSISTOR	2SA1175-HFE				R370	1-247-903-00	CARBON	1M	5%	1/4W	
Q501	8-729-202-67	TRANSISTOR	2SK246-GR3										
Q502	8-729-141-30	TRANSISTOR	2SC3623A-LK				R371	1-247-903-00	CARBON	1M	5%	1/4W	
							R372	1-247-903-00	CARBON	1M	5%	1/4W	
Q551	8-729-202-67	TRANSISTOR	2SK246-GR3				R373	1-247-903-00	CARBON	1M	5%	1/4W	
Q552	8-729-141-30	TRANSISTOR	2SC3623A-LK				R374	1-249-419-11	CARBON	1.5K	5%	1/4W	F
Q691	8-729-900-80	TRANSISTOR	DTC114ES				R375	1-249-419-11	CARBON	1.5K	5%	1/4W	F
Q692	8-729-422-57	TRANSISTOR	UN4111										
Q3008	8-729-620-05	TRANSISTOR	2SC2603-EF				R376	1-249-419-11	CARBON	1.5K	5%	1/4W	F
							R377	1-249-419-11	CARBON	1.5K	5%	1/4W	F
< RESISTOR >							R378	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R001	1-249-417-11	CARBON	1K	5%	1/4W	F	R379	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R002	1-249-439-11	CARBON	68K	5%	1/4W		R380	1-249-417-11	CARBON	1K	5%	1/4W	F
R003	1-247-876-11	CARBON	75K	5%	1/4W		R381	1-249-417-11	CARBON	1K	5%	1/4W	F
R004	1-249-413-11	CARBON	470	5%	1/4W	F	R382	1-249-417-11	CARBON	1K	5%	1/4W	F
R051	1-249-417-11	CARBON	1K	5%	1/4W	F	R383	1-249-417-11	CARBON	1K	5%	1/4W	F
							R384	1-249-417-11	CARBON	1K	5%	1/4W	F
R052	1-249-439-11	CARBON	68K	5%	1/4W		R385	1-249-417-11	CARBON	1K	5%	1/4W	F
R053	1-249-433-11	CARBON	22K	5%	1/4W								
R054	1-249-417-11	CARBON	1K	5%	1/4W	F	R386	1-249-441-11	CARBON	100K	5%	1/4W	
R055	1-249-409-11	CARBON	220	5%	1/4W	F	R387	1-249-440-11	CARBON	82K	5%	1/4W	
R056	1-249-409-11	CARBON	220	5%	1/4W	F	R388	1-249-425-11	CARBON	4.7K	5%	1/4W	F
							R389	1-249-429-11	CARBON	10K	5%	1/4W	
R090	1-249-433-11	CARBON	22K	5%	1/4W		R390	1-249-441-11	CARBON	100K	5%	1/4W	
R301	1-249-413-11	CARBON	470	5%	1/4W	F							
R326	1-249-417-11	CARBON	1K	5%	1/4W	F	R391	1-249-429-11	CARBON	10K	5%	1/4W	
R327	1-249-417-11	CARBON	1K	5%	1/4W	F	R392	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R330	1-249-417-11	CARBON	1K	5%	1/4W	F	R393	1-249-425-11	CARBON	4.7K	5%	1/4W	F
							R394	1-249-441-11	CARBON	100K	5%	1/4W	
R331	1-249-417-11	CARBON	1K	5%	1/4W	F	R395	1-249-429-11	CARBON	10K	5%	1/4W	
R334	1-249-417-11	CARBON	1K	5%	1/4W	F							
R335	1-249-417-11	CARBON	1K	5%	1/4W	F	R396	1-249-433-11	CARBON	22K	5%	1/4W	
R336	1-247-847-11	CARBON	4.7K	5%	1/4W	F	R397	1-249-433-11	CARBON	22K	5%	1/4W	
R337	1-247-847-11	CARBON	4.7K	5%	1/4W	F	R398	1-247-895-00	CARBON	470K	5%	1/4W	
							R399	1-249-441-11	CARBON	100K	5%	1/4W	
R338	1-249-441-11	CARBON	100K	5%	1/4W		R461	1-249-436-11	CARBON	39K	5%	1/4W	
R339	1-249-441-11	CARBON	100K	5%	1/4W								
R341	1-249-440-11	CARBON	82K	5%	1/4W		R462	1-249-436-11	CARBON	39K	5%	1/4W	
R342	1-249-440-11	CARBON	82K	5%	1/4W		R463	1-247-807-31	CARBON	100	5%	1/4W	
R343	1-249-408-11	CARBON	180	5%	1/4W	F	R464	1-247-807-31	CARBON	100	5%	1/4W	
							R465	1-249-421-11	CARBON	2.2K	5%	1/6W	F
R344	1-249-408-11	CARBON	180	5%	1/4W	F	R483	1-249-429-11	CARBON	10K	5%	1/4W	
R345	1-249-428-11	CARBON	8.2K	5%	1/4W	F							
R346	1-249-428-11	CARBON	8.2K	5%	1/4W	F	R486	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R347	1-249-441-11	CARBON	100K	5%	1/4W		R489	1-249-437-11	CARBON	47K	5%	1/4W	
R348	1-249-441-11	CARBON	100K	5%	1/4W		R508	1-249-441-11	CARBON	100K	5%	1/4W	
							R509	1-247-903-00	CARBON	1M	5%	1/4W	
R349	1-247-807-31	CARBON	100	5%	1/4W		R510	1-249-426-11	CARBON	5.6K	5%	1/4W	
R350	1-247-807-31	CARBON	100	5%	1/4W								
R351	1-249-413-11	CARBON	470	5%	1/4W	F	R511	1-249-434-11	CARBON	27K	5%	1/4W	
R352	1-249-441-11	CARBON	100K	5%	1/4W		R513	1-249-426-11	CARBON	5.6K	5%	1/4W	
R353	1-249-441-11	CARBON	100K	5%	1/4W		R514	1-249-418-11	CARBON	1.2K	5%	1/4W	F
							R515	1-249-441-11	CARBON	100K	5%	1/4W	
R356	1-249-425-11	CARBON	4.7K	5%	1/4W	F	R516	1-247-843-11	CARBON	3.3K	5%	1/4W	
R357	1-247-807-31	CARBON	100	5%	1/4W								
R358	1-247-807-31	CARBON	100	5%	1/4W		R517	1-247-883-00	CARBON	150K	5%	1/4W	
R359	1-249-417-11	CARBON	1K	5%	1/4W	F	R518	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R360	1-249-441-11	CARBON	100K	5%	1/4W		R519	1-249-413-11	CARBON	470	5%	1/4W	F

INPUT

REAR AMP

Ref. No.	Part No.	Description	Remark
R558	1-249-441-11	CARBON 100K 5%	1/4W
R559	1-247-903-00	CARBON 1M 5%	1/4W
R560	1-249-426-11	CARBON 5.6K 5%	1/4W
R561	1-249-434-11	CARBON 27K 5%	1/4W
R563	1-249-426-11	CARBON 5.6K 5%	1/4W
R564	1-249-418-11	CARBON 1.2K 5%	1/4W F
R565	1-249-441-11	CARBON 100K 5%	1/4W
R566	1-247-843-11	CARBON 3.3K 5%	1/4W
R567	1-247-883-00	CARBON 150K 5%	1/4W
R568	1-249-427-11	CARBON 6.8K 5%	1/4W F
R569	1-249-413-11	CARBON 470 5%	1/4W F
△ R592	1-249-381-11	CARBON 1 5%	1/4W F
△ R593	1-249-381-11	CARBON 1 5%	1/4W F
R595	1-247-903-00	CARBON 1M 5%	1/4W
R596	1-249-421-11	CARBON 2.2K 5%	1/4W F
R597	1-247-843-11	CARBON 3.3K 5%	1/4W
R598	1-249-421-11	CARBON 2.2K 5%	1/4W F
R599	1-247-843-11	CARBON 3.3K 5%	1/4W
R601	1-249-417-11	CARBON 1K 5%	1/4W F
R602	1-249-439-11	CARBON 68K 5%	1/4W
R603	1-249-437-11	CARBON 47K 5%	1/4W
R604	1-249-417-11	CARBON 1K 5%	1/4W F
R608	1-249-429-11	CARBON 10K 5%	1/4W
R609	1-249-434-11	CARBON 27K 5%	1/4W
R651	1-249-417-11	CARBON 1K 5%	1/4W F
R652	1-249-439-11	CARBON 68K 5%	1/4W
R653	1-249-437-11	CARBON 47K 5%	1/4W
R654	1-249-417-11	CARBON 1K 5%	1/4W F
R658	1-249-429-11	CARBON 10K 5%	1/4W
R659	1-249-434-11	CARBON 27K 5%	1/4W
R690	1-249-433-11	CARBON 22K 5%	1/4W
R694	1-249-425-11	CARBON 4.7K 5%	1/4W F
R699	1-249-437-11	CARBON 47K 5%	1/4W
R701	1-249-417-11	CARBON 1K 5%	1/4W F
R702	1-249-439-11	CARBON 68K 5%	1/4W
R703	1-247-876-11	CARBON 75K 5%	1/4W
R704	1-249-413-11	CARBON 470 5%	1/4W F
R751	1-249-417-11	CARBON 1K 5%	1/4W F
R752	1-249-439-11	CARBON 68K 5%	1/4W
R753	1-247-876-11	CARBON 75K 5%	1/4W
R754	1-249-413-11	CARBON 470 5%	1/4W F
R790	1-249-433-11	CARBON 22K 5%	1/4W
R3000	1-247-895-00	CARBON 470K 5%	1/4W
R3001	1-249-433-11	CARBON 22K 5%	1/4W
R3002	1-249-441-11	CARBON 100K 5%	1/4W
R3003	1-249-429-11	CARBON 10K 5%	1/4W
R3004	1-249-429-11	CARBON 10K 5%	1/4W
R3005	1-249-440-11	CARBON 82K 5%	1/4W
R3008	1-249-425-11	CARBON 4.7K 5%	1/4W F
R3009	1-249-441-11	CARBON 100K 5%	1/4W
R3010	1-247-852-11	CARBON 7.5K 5%	1/4W
R3011	1-249-413-11	CARBON 470 5%	1/4W F
R3012	1-249-429-11	CARBON 10K 5%	1/4W
R3013	1-249-429-11	CARBON 10K 5%	1/4W
R3014	1-249-429-11	CARBON 10K 5%	1/4W
R3060	1-247-852-11	CARBON 7.5K 5%	1/4W
R3062	1-249-429-11	CARBON 10K 5%	1/4W

Ref. No.	Part No.	Description	Remark
R3063	1-249-429-11	CARBON 10K 5%	1/4W
R3368	1-247-903-00	CARBON 1M 5%	1/4W
R5002	1-249-429-11	CARBON 10K 5%	1/4W
R5052	1-249-429-11	CARBON 10K 5%	1/4W
< RELAY >			
RY301	1-515-614-11	RELAY	
< VIBRATOR >			
X450	1-579-900-21	VIBRATOR, CRYSTAL (4.33MHz)	

*	A-4414-843-A	REAR AMP BOARD, COMPLETE	

< CAPACITOR >			
C720	1-104-664-11	ELECT 47uF 20%	16V
C721	1-107-597-11	CERAMIC 22PF 10%	500V
C722	1-107-597-11	CERAMIC 22PF 10%	500V
C723	1-162-286-31	CERAMIC 220PF 10%	50V
C725	1-136-157-00	FILM 0.022uF 5%	50V
C770	1-104-664-11	ELECT 47uF 20%	16V
C771	1-107-597-11	CERAMIC 22PF 10%	500V
C772	1-107-597-11	CERAMIC 22PF 10%	500V
C773	1-162-286-31	CERAMIC 220PF 10%	50V
C775	1-136-157-00	FILM 0.022uF 5%	50V
< CONNECTOR >			
CNE711	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
CNE713	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
* CNV711	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P	
* CNV712	1-564-242-00	PIN, CONNECTOR 5P	
< DIODE >			
D701	8-719-911-19	DIODE 1SS119-25	
D702	8-719-109-51	DIODE RD2.0ES-B2	
D703	8-719-109-51	DIODE RD2.0ES-B2	
D704	8-719-911-19	DIODE 1SS119-25	
D751	8-719-911-19	DIODE 1SS119-25	
D752	8-719-109-51	DIODE RD2.0ES-B2	
D753	8-719-109-51	DIODE RD2.0ES-B2	
D754	8-719-911-19	DIODE 1SS119-25	
< TRANSISTOR >			
Q704	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q705	8-729-209-15	TRANSISTOR 2SD2012	
Q706	8-749-010-25	IC MN2488-OPY-M	
Q707	8-749-010-26	IC MP1620-OPY-M	
Q708	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q754	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q755	8-729-209-15	TRANSISTOR 2SD2012	
Q756	8-749-010-25	IC MN2488-OPY-M	
Q757	8-749-010-26	IC MP1620-OPY-M	
Q758	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
< RESISTOR >			
R706	1-247-881-00	CARBON 120K 5%	1/4W
R721	1-249-437-11	CARBON 47K 5%	1/4W

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

REAR AMP

S VIDEO

SP

Ref. No.	Part No.	Description			Remark
R722	1-249-429-11	CARBON	10K	5%	1/4W
R723	1-249-421-11	CARBON	2.2K	5%	1/4W
△ R724	1-249-408-11	CARBON	180	5%	1/4W
△ R725	1-249-408-11	CARBON	180	5%	1/4W
△ R726	1-233-352-41	ENCAPSULATED COMPONENT			
R727	1-247-850-11	CARBON	6.2K	5%	1/4W
R728	1-249-417-11	CARBON	1K	5%	1/4W
R732	1-249-437-11	CARBON	47K	5%	1/4W
△ R733	1-249-393-11	CARBON	10	5%	1/4W
R756	1-247-881-00	CARBON	120K	5%	1/4W
R771	1-249-437-11	CARBON	47K	5%	1/4W
R772	1-249-429-11	CARBON	10K	5%	1/4W
R773	1-249-421-11	CARBON	2.2K	5%	1/4W
△ R774	1-249-408-11	CARBON	180	5%	1/4W
△ R775	1-249-408-11	CARBON	180	5%	1/4W
△ R776	1-233-352-41	ENCAPSULATED COMPONENT			
R777	1-247-850-11	CARBON	6.2K	5%	1/4W
R778	1-249-417-11	CARBON	1K	5%	1/4W
R782	1-249-437-11	CARBON	47K	5%	1/4W
△ R783	1-249-393-11	CARBON	10	5%	1/4W

*	A-4407-581-A	S VIDEO BOARD, COMPLETE			

< CAPACITOR >					
C251	1-126-960-11	ELECT	1uF	20%	50V
C252	1-136-165-00	FILM	0.1uF	5%	50V
C253	1-126-960-11	ELECT	1uF	20%	50V
C254	1-136-165-00	FILM	0.1uF	5%	50V
C255	1-136-165-00	FILM	0.1uF	5%	50V
C256	1-126-960-11	ELECT	1uF	20%	50V
C259	1-126-960-11	ELECT	1uF	20%	50V
C260	1-136-165-00	FILM	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	1-162-215-31	CERAMIC	47PF	5%	50V
C268	1-162-215-31	CERAMIC	47PF	5%	50V
C269	1-162-215-31	CERAMIC	47PF	5%	50V
C270	1-162-215-31	CERAMIC	47PF	5%	50V
< CONNECTOR >					
CNE214	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
< DIODE >					
D251	8-719-911-19	DIODE	1SS119-25		
D252	8-719-911-19	DIODE	1SS119-25		
< IC >					
IC251	8-759-529-20	IC	NJM2296D		
IC252	8-759-529-20	IC	NJM2296D		
< JACK >					
J251	1-537-943-11	TERMINAL. S (MONITOR S-VIDEO OUT)			

Ref. No.	Part No.	Description	Remark		
J252	1-764-676-11	CONNECTOR (ROUND TYPE)			
		(VIDEO 1 S-VIDEO OUT/IN)			
J253	1-537-943-11	TERMINAL, S (TV/LD S-VIDEO IN)			
< RESISTOR >					
R251	1-249-403-11	CARBON	68	5%	1/4W F
R252	1-249-429-11	CARBON	10K	5%	1/4W
R253	1-249-403-11	CARBON	68	5%	1/4W F
R254	1-249-403-11	CARBON	68	5%	1/4W F
R255	1-249-403-11	CARBON	68	5%	1/4W F
R256	1-249-429-11	CARBON	10K	5%	1/4W
R257	1-249-403-11	CARBON	68	5%	1/4W F
R258	1-249-403-11	CARBON	68	5%	1/4W F
R260	1-249-403-11	CARBON	68	5%	1/4W F
R261	1-249-403-11	CARBON	68	5%	1/4W F

*	A-4417-192-A	SP BOARD, COMPLETE			

< CAPACITOR >					
C624	1-126-964-11	ELECT	10uF	20%	50V
C626	1-136-153-00	FILM	0.01uF	5%	50V
C724	1-126-964-11	ELECT	10uF	20%	50V
C726	1-136-153-00	FILM	0.01uF	5%	50V
C794	1-126-968-11	ELECT	100uF	20%	50V
C795	1-126-951-11	ELECT	470uF	20%	35V
< CONNECTOR >					
* CND602	1-564-337-00	PIN, CONNECTOR 3P			
CNE604	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNJ701	1-774-136-11	CONNECTOR, ROUND TYPE 6P			
		(WIRELESS REAR SPEAKER)			
CNS603	1-568-439-11	SOCKET, CONNECTOR 7P			
CNV601	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
< DIODE >					
D543	8-719-911-19	DIODE 1SS119-25			
D605	8-719-911-19	DIODE 1SS119-25			
D606	8-719-911-19	DIODE 1SS119-25			
D607	8-719-911-19	DIODE 1SS119-25			
D649	8-719-911-19	DIODE 1SS119-25			
D705	8-719-911-19	DIODE 1SS119-25			
D706	8-719-911-19	DIODE 1SS119-25			
D749	8-719-911-19	DIODE 1SS119-25			
< IC >					
IC702	8-759-605-01	IC M5F78M18L			
< JACK >					
J501	1-770-157-21	JACK, PIN 2P (WOOFER AUDIO OUT)			
< 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			

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

SP	SP SWITCH	STANDBY
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Ref. No.	Part No.	Description	Remark
< TRANSISTOR >			
Q544	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q609	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q610	8-729-900-63	TRANSISTOR DTA124ES	
Q611	8-729-900-63	TRANSISTOR DTA124ES	
Q645	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q709	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q710	8-729-900-63	TRANSISTOR DTA124ES	
Q745	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q747	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q748	8-729-030-19	TRANSISTOR 2SB1640	
< RESISTOR >			
R543	1-249-429-11	CARBON 10K 5%	1/4W
R544	1-249-425-11	CARBON 4.7K 5%	1/4W F
△ R545	1-249-393-11	CARBON 10 5%	1/4W F
R546	1-249-421-11	CARBON 2.2K 5%	1/4W F
R629	1-247-866-11	CARBON 30K 5%	1/4W
R630	1-249-386-11	CARBON 2.7 5%	1/6W F
R631	1-249-433-11	CARBON 22K 5%	1/4W
△ R634	1-249-389-11	CARBON 4.7 5%	1/4W F
R635	1-249-431-11	CARBON 15K 5%	1/4W
R636	1-249-433-11	CARBON 22K 5%	1/4W
R646	1-249-432-11	CARBON 18K 5%	1/4W
R647	1-249-429-11	CARBON 10K 5%	1/4W
R648	1-249-425-11	CARBON 4.7K 5%	1/4W F
△ R649	1-249-393-11	CARBON 10 5%	1/4W F
R729	1-247-866-11	CARBON 30K 5%	1/4W
R730	1-249-386-11	CARBON 2.7 5%	1/6W F
R731	1-249-433-11	CARBON 22K 5%	1/4W
△ R734	1-249-389-11	CARBON 4.7 5%	1/4W F
R735	1-249-431-11	CARBON 15K 5%	1/4W
R737	1-249-429-11	CARBON 10K 5%	1/4W
R738	1-247-887-00	CARBON 220K 5%	1/4W
R743	1-249-425-11	CARBON 4.7K 5%	1/4W F
R744	1-249-425-11	CARBON 4.7K 5%	1/4W F
R745	1-249-421-11	CARBON 2.2K 5%	1/4W F
R746	1-249-421-11	CARBON 2.2K 5%	1/4W F
R747	1-249-429-11	CARBON 10K 5%	1/4W
R748	1-249-425-11	CARBON 4.7K 5%	1/4W F
△ R749	1-249-393-11	CARBON 10 5%	1/4W F
△ R784	1-249-389-11	CARBON 4.7 5%	1/4W F
R787	1-249-429-11	CARBON 10K 5%	1/4W
R788	1-247-887-00	CARBON 220K 5%	1/4W
< RELAY >			
RY503	1-515-793-11	RELAY	
RY601	1-515-920-11	RELAY (24V)	
RY701	1-515-920-11	RELAY (24V)	
RY901	1-515-999-11	RELAY, POWER	
< TRANSFORMER >			
△ T902	1-450-358-11	TRANSFORMER, POWER	

Ref. No.	Part No.	Description	Remark
*	1-670-101-11	SP SWITCH BOARD *****	
< CONNECTOR >			
CNS104	1-770-404-11	HOUSING, CONNECTOR (PC BOARD) 11P	
< DIODE >			
D122	8-719-911-19	DIODE 1SS119-25	
D123	8-719-911-19	DIODE 1SS119-25	
< RESISTOR >			
RR141	1-249-413-11	CARBON 470 5%	1/4W F
RR151	1-249-415-11	CARBON 680 5%	1/4W F
RR152	1-249-417-11	CARBON 1K 5%	1/4W F
RR153	1-249-419-11	CARBON 1.5K 5%	1/4W F
< SWITCH >			
S114	1-762-751-11	SWITCH, TACTILE (DISPLAY)	
S125	1-762-751-11	SWITCH, TACTILE (SHIFT)	
S126	1-762-751-11	SWITCH, TACTILE (FM/AM)	
S127	1-762-751-11	SWITCH, TACTILE (PRESET TUNING -)	
S128	1-762-751-11	SWITCH, TACTILE (PRESET TUNING +)	
S151	1-762-751-11	SWITCH, TACTILE (I/⏻)	
S155	1-762-268-11	SWITCH, ROTARY (SPEAKERS)	

*	1-669-449-11	STANDBY BOARD *****	
< CONNECTOR >			
* CNP905	1-580-230-21	PIN, CONNECTOR (PC BOARD) 2P	
CNV901	1-564-321-00	PIN, CONNECTOR 2P	
* CNV902	1-565-792-11	PIN, CONNECTOR 2P	
< DIODE >			
D907	8-719-911-19	DIODE 1SS119-25	
< FUSE >			
△ F901	1-532-504-51	FUSE (T4AL/250V)	
△ F903	1-532-464-51	FUSE (T2.5AL/250V)	
< FUSE HOLDER >			
FH901	1-533-223-11	HOLDER, FUSE	
FH902	1-533-223-11	HOLDER, FUSE	
FH903	1-533-223-11	HOLDER, FUSE	
FH951	1-533-223-11	HOLDER, FUSE	
FH952	1-533-223-11	HOLDER, FUSE	
FH953	1-533-223-11	HOLDER, FUSE	
< SWITCH >			
S501	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)	
< TERMINAL >			
TM701	1-694-431-21	TERMINAL BOARD (SP) (SPEAKERS REAR, CENTER)	

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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-4407-589-A	STANDBY (2) BOARD, COMPLETE *****		C355	1-126-925-11	ELECT 470uF 20% 10V	
		< CAPACITOR >		C356	1-126-933-11	ELECT 100uF 20% 16V	
C901	1-136-157-00	FILM 0.022uF 5% 50V		C357	1-126-514-11	ELECT 22uF 20% 10V	
C902	1-136-157-00	FILM 0.022uF 5% 50V		C358	1-126-514-11	ELECT 22uF 20% 10V	
C903	1-126-768-11	ELECT 2200uF 20% 16V		C400	1-102-951-00	CERAMIC 15PF 5% 50V	
C904	1-126-960-11	ELECT 1uF 20% 50V		C401	1-136-165-00	FILM 0.1uF 5% 50V	
C905	1-126-959-11	ELECT 0.47uF 20% 50V		C402	1-102-852-91	CERAMIC 47PF 5% 50V	
C906	1-124-464-11	ELECT 0.22uF 20% 50V		C403	1-130-469-00	MYLAR 680PF 5% 50V	
C913	1-164-159-11	CERAMIC 0.1uF 50V		C404	1-136-157-00	FILM 0.022uF 5% 50V	
C914	1-164-159-11	CERAMIC 0.1uF 50V		C405	1-102-973-00	CERAMIC 100PF 5% 50V	
C916	1-164-159-11	CERAMIC 0.1uF 50V		C406	1-102-953-00	CERAMIC 18PF 5% 50V	
C917	1-164-159-11	CERAMIC 0.1uF 50V		C407	1-136-161-00	FILM 0.047uF 5% 50V	
		< CONNECTOR >		C408	1-126-925-11	ELECT 470uF 20% 10V	
CNE905	1-691-766-11	PLUG (MICRO CONNECTOR) 4P		C409	1-124-261-00	ELECT 10uF 20% 50V	
CNE951	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		C410	1-126-925-11	ELECT 470uF 20% 10V	
		< DIODE >		C411	1-124-261-00	ELECT 10uF 20% 50V	
D901	8-719-200-82	DIODE 11ES2		C412	1-136-164-00	FILM 0.082uF 5% 50V	
D902	8-719-200-82	DIODE 11ES2		C413	1-124-465-00	ELECT 0.47uF 20% 50V	
D903	8-719-200-82	DIODE 11ES2		C414	1-124-261-00	ELECT 10uF 20% 50V	
D904	8-719-200-82	DIODE 11ES2		C415	1-130-477-00	MYLAR 0.0033uF 5% 50V	
D905	8-719-911-19	DIODE 1SS119-25		C416	1-136-177-00	FILM 1uF 5% 50V	
D906	8-719-911-19	DIODE 1SS119-25		C417	1-162-294-31	CERAMIC 0.001uF 10% 50V	
		< GROUND TERMINAL >		C418	1-124-261-00	ELECT 10uF 20% 50V	
* EB900	1-537-738-21	TERMINAL, EARTH		C419	1-136-164-00	FILM 0.082uF 5% 50V	
		< IC >		C420	1-126-925-11	ELECT 470uF 20% 10V	
IC901	8-759-333-83	IC NJM2103D		C421	1-136-177-00	FILM 1uF 5% 50V	
		< TRANSISTOR >		C422	1-124-465-00	ELECT 0.47uF 20% 50V	
Q901	8-729-119-79	TRANSISTOR 2SC2785-FEK		C423	1-126-301-11	ELECT 1uF 20% 50V	
Q902	8-729-026-68	TRANSISTOR 2SD2525(TP)		C424	1-126-925-11	ELECT 470uF 20% 10V	
		< RESISTOR >		C425	1-126-301-11	ELECT 1uF 20% 50V	
R902	1-249-429-11	CARBON 10K 5% 1/4W		C426	1-124-252-00	ELECT 0.33uF 20% 50V	
R903	1-249-425-11	CARBON 4.7K 5% 1/4W F		C427	1-136-177-00	FILM 1uF 5% 50V	
R904	1-249-417-11	CARBON 1K 5% 1/4W F		C428	1-136-177-00	FILM 1uF 5% 50V	
R905	1-249-428-11	CARBON 8.2K 5% 1/4W F		C429	1-128-551-11	ELECT 22uF 20% 35V	
R906	1-249-421-11	CARBON 2.2K 5% 1/4W F		C430	1-162-282-31	CERAMIC 100PF 10% 50V	
R908	1-249-433-11	CARBON 22K 5% 1/4W		C431	1-164-159-11	CERAMIC 0.1uF 50V	
R909	1-249-439-11	CARBON 68K 5% 1/4W		C432	1-124-261-00	ELECT 10uF 20% 50V	
R910	1-249-437-11	CARBON 47K 5% 1/4W		C433	1-164-159-11	CERAMIC 0.1uF 50V	
R912	1-249-430-11	CARBON 12K 5% 1/4W		C434	1-136-165-00	FILM 0.1uF 5% 50V	
		*****		C435	1-136-165-00	FILM 0.1uF 5% 50V	
*	A-4407-575-A	SURR BOARD, COMPLETE *****		C436	1-124-261-00	ELECT 10uF 20% 50V	
		< CAPACITOR >		C437	1-164-159-11	CERAMIC 0.1uF 50V	
C300	1-124-589-11	ELECT 47uF 20% 16V		C438	1-124-261-00	ELECT 10uF 20% 50V	
C301	1-162-282-31	CERAMIC 100PF 10% 50V		C440	1-136-165-00	FILM 0.1uF 5% 50V	
C302	1-162-294-31	CERAMIC 0.001uF 10% 50V		C441	1-136-165-00	FILM 0.1uF 5% 50V	
C303	1-124-589-11	ELECT 47uF 20% 16V		C442	1-124-261-00	ELECT 10uF 20% 50V	
		*****		C444	1-124-465-00	ELECT 0.47uF 20% 50V	
		< CAPACITOR >		C445	1-124-465-00	ELECT 0.47uF 20% 50V	
C300	1-124-589-11	ELECT 47uF 20% 16V		C446	1-126-163-11	ELECT 4.7uF 20% 50V	
C301	1-162-282-31	CERAMIC 100PF 10% 50V		C447	1-126-163-11	ELECT 4.7uF 20% 50V	
C302	1-162-294-31	CERAMIC 0.001uF 10% 50V		C448	1-124-465-00	ELECT 0.47uF 20% 50V	
C303	1-124-589-11	ELECT 47uF 20% 16V		C449	1-124-465-00	ELECT 0.47uF 20% 50V	
		*****		C450	1-126-163-11	ELECT 4.7uF 20% 50V	
		< CAPACITOR >		C451	1-126-163-11	ELECT 4.7uF 20% 50V	
C300	1-124-589-11	ELECT 47uF 20% 16V		C452	1-124-250-11	ELECT 0.15uF 20% 50V	
C301	1-162-282-31	CERAMIC 100PF 10% 50V		C453	1-124-250-11	ELECT 0.15uF 20% 50V	
C302	1-162-294-31	CERAMIC 0.001uF 10% 50V		C454	1-126-162-11	ELECT 3.3uF 20% 50V	
C303	1-124-589-11	ELECT 47uF 20% 16V					

Ref. No.	Part No.	Description	Remark		
C455	1-126-162-11	ELECT	3.3uF	20%	50V
C456	1-124-250-11	ELECT	0.15uF	20%	50V
C457	1-124-250-11	ELECT	0.15uF	20%	50V
C458	1-124-261-00	ELECT	10uF	20%	50V
C476	1-102-518-11	CERAMIC	33PF	5%	50V
C495	1-136-165-00	FILM	0.1uF	5%	50V
CC09	1-162-282-31	CERAMIC	100PF	10%	50V
CC10	1-162-282-31	CERAMIC	100PF	10%	50V
CC11	1-162-282-31	CERAMIC	100PF	10%	50V
CC12	1-162-282-31	CERAMIC	100PF	10%	50V
CC13	1-162-282-31	CERAMIC	100PF	10%	50V
CC59	1-162-282-31	CERAMIC	100PF	10%	50V
CC60	1-162-282-31	CERAMIC	100PF	10%	50V
CC61	1-162-282-31	CERAMIC	100PF	10%	50V
CC62	1-162-282-31	CERAMIC	100PF	10%	50V
CC63	1-162-282-31	CERAMIC	100PF	10%	50V
< CONNECTOR >					
* CNP702	1-564-519-11	PLUG, CONNECTOR 4P			
CNS211	1-568-439-11	SOCKET, CONNECTOR 7P			
CNS401	1-569-060-11	SOCKET, CONNECTOR 11P			
CNS402	1-568-442-11	SOCKET, CONNECTOR 9P			
CNS406	1-569-060-11	SOCKET, CONNECTOR 11P			
< DIODE >					
D401	8-719-070-77	DIODE SVC201SPA-M1-AC			
< IC >					
IC300	8-759-805-14	IC LC7822			
IC400	8-759-528-36	IC CXA8081S			
IC401	8-759-528-35	IC CXA8079S			
IC403	8-759-805-15	IC LC7823			
IC404	8-759-634-51	IC M5218AP			
IC407	8-759-604-38	IC M5F78M10L			
< JACK >					
J300	1-774-411-11	JACK, PIN 6P (TV/LD AUDIO IN, VIDEO 2 AUDIO OUT/IN)			
J301	1-573-028-31	JACK, PIN 4P (VIDEO 1 AUDIO OUT/IN)			
< COIL >					
L400	1-410-509-11	INDUCTOR 10uH			
< RESISTOR >					
R301	1-249-417-11	CARBON	1K	5%	1/4W F
R304	1-249-441-11	CARBON	100K	5%	1/4W
R305	1-249-441-11	CARBON	100K	5%	1/4W
R307	1-249-417-11	CARBON	1K	5%	1/4W F
R310	1-249-417-11	CARBON	1K	5%	1/4W F
R312	1-249-441-11	CARBON	100K	5%	1/4W
R314	1-249-441-11	CARBON	100K	5%	1/4W
R315	1-249-417-11	CARBON	1K	5%	1/4W F
R318	1-249-417-11	CARBON	1K	5%	1/4W F
R319	1-249-417-11	CARBON	1K	5%	1/4W F
R320	1-249-425-11	CARBON	4.7K	5%	1/4W F
R321	1-249-397-11	CARBON	22	5%	1/4W F
R322	1-249-417-11	CARBON	1K	5%	1/4W F

Ref. No.	Part No.	Description	Remark		
R323	1-249-397-11	CARBON	22	5%	1/4W F
R400	1-249-441-11	CARBON	100K	5%	1/4W
R401	1-249-436-11	CARBON	39K	5%	1/4W
R402	1-249-425-11	CARBON	4.7K	5%	1/4W F
R403	1-249-417-11	CARBON	1K	5%	1/4W F
R451	1-249-435-11	CARBON	33K	5%	1/4W
R458	1-249-436-11	CARBON	39K	5%	1/4W

*	1-670-095-11	SW BOARD			

< CONNECTOR >					
* CNS107	1-695-808-11	CONNECTOR, PC BOARD 8P			
< DIODE >					
D113	8-719-058-64	DIODE SEL5823A-TP15 (SURROUND)			
D114	8-719-058-64	DIODE SEL5823A-TP15 (BASS/TREBLE)			
D115	8-719-058-64	DIODE SEL5823A-TP15 (INDEX)			
< RESISTOR >					
R149	1-249-411-11	CARBON	330	5%	1/4W
RR131	1-249-409-11	CARBON	220	5%	1/4W F
RR132	1-249-411-11	CARBON	330	5%	1/4W
RR133	1-249-413-11	CARBON	470	5%	1/4W F
RR134	1-249-415-11	CARBON	680	5%	1/4W F
RR135	1-249-417-11	CARBON	1K	5%	1/4W F
RR136	1-249-419-11	CARBON	1.5K	5%	1/4W F
RR137	1-249-421-11	CARBON	2.2K	5%	1/4W F
RR138	1-249-425-11	CARBON	4.7K	5%	1/4W F
RR139	1-249-429-11	CARBON	10K	5%	1/4W
RR142	1-249-409-11	CARBON	220	5%	1/4W F
RR143	1-249-411-11	CARBON	330	5%	1/4W
RR144	1-249-413-11	CARBON	470	5%	1/4W F
RR145	1-249-415-11	CARBON	680	5%	1/4W F
RR146	1-249-417-11	CARBON	1K	5%	1/4W F
RR147	1-249-419-11	CARBON	1.5K	5%	1/4W F
RR148	1-249-421-11	CARBON	2.2K	5%	1/4W F
< SWITCH >					
S102	1-762-751-11	SWITCH, TACTILE (FM MODE)			
S103	1-762-751-11	SWITCH, TACTILE (TUNING -)			
S104	1-762-751-11	SWITCH, TACTILE (TUNING +)			
S105	1-762-751-11	SWITCH, TACTILE (MEMORY)			
S106	1-762-751-11	SWITCH, TACTILE (CURSOR MODE)			
S107	1-762-751-11	SWITCH, TACTILE (SET UP)			
S108	1-762-751-11	SWITCH, TACTILE (∧)			
S109	1-762-751-11	SWITCH, TACTILE (<)			
S110	1-762-751-11	SWITCH, TACTILE (∨)			
S111	1-762-751-11	SWITCH, TACTILE (>)			
S115	1-762-751-11	SWITCH, TACTILE (RDS PTY)			
S116	1-762-751-11	SWITCH, TACTILE (RDS EON)			
S117	1-762-751-11	SWITCH, TACTILE (5.1/DVD INPUT)			
S118	1-762-751-11	SWITCH, TACTILE (TONE ON/OFF)			
S119	1-762-751-11	SWITCH, TACTILE (BASS BOOST)			
S120	1-762-751-11	SWITCH, TACTILE (SOUND FIELD GENRE)			
S121	1-762-751-11	SWITCH, TACTILE (SOUND FIELD MODE)			

Ref. No.	Part No.	Description	Remark			
S122	1-762-751-11	SWITCH, TACTILE (SOUND FIELD ON/OFF)				

*	1-670-097-11	VIDEO BOARD				

< CAPACITOR >						
C201	1-126-964-11	ELECT	10uF	20%	50V	
C202	1-126-964-11	ELECT	10uF	20%	50V	
C203	1-126-964-11	ELECT	10uF	20%	50V	
C204	1-126-964-11	ELECT	10uF	20%	50V	
C205	1-162-215-31	CERAMIC	47PF	5%	50V	
C206	1-162-215-31	CERAMIC	47PF	5%	50V	
C207	1-162-215-31	CERAMIC	47PF	5%	50V	
C208	1-126-960-11	ELECT	1uF	20%	50V	
C209	1-164-159-11	CERAMIC	0.1uF		50V	
C210	1-164-159-11	CERAMIC	0.1uF		50V	
C211	1-164-159-11	CERAMIC	0.1uF		50V	
C212	1-164-159-11	CERAMIC	0.1uF		50V	
C213	1-126-933-11	ELECT	100uF	20%	16V	
C214	1-126-933-11	ELECT	100uF	20%	16V	
< CONNECTOR >						
CNE217	1-564-505-11	PLUG, CONNECTOR 2P				
CNS211	1-569-321-11	SOCKET, CONNECTOR 15P				
CNS212	1-568-439-11	SOCKET, CONNECTOR 7P				
< DIODE >						
D201	8-719-911-19	DIODE 1SS119-25				
D202	8-719-911-19	DIODE 1SS119-25				
< IC >						
IC201	8-759-529-20	IC NJM2296D				
IC202	8-759-701-65	IC NJM79M05FA				
< JACK >						
J201	1-770-337-11	JACK, PIN 3P (VIDEO 1 VIDEO OUT/IN, MONITOR VIDEO OUT)				
J202	1-695-317-21	JACK, PIN 2P (VIDEO 2 VIDEO OUT/IN)				
J203	1-695-317-21	JACK, PIN 2P (5.1/DVD INPUT, TV/LD VIDEO IN)				
J204	1-563-330-11	JACK (S-LINK CTRL A1)				
< RESISTOR >						
R201	1-249-403-11	CARBON	68	5%	1/4W	F
R202	1-249-403-11	CARBON	68	5%	1/4W	F
R203	1-249-403-11	CARBON	68	5%	1/4W	F
R204	1-249-403-11	CARBON	68	5%	1/4W	F
R205	1-249-403-11	CARBON	68	5%	1/4W	F
R206	1-249-403-11	CARBON	68	5%	1/4W	F
R207	1-249-403-11	CARBON	68	5%	1/4W	F

SW	VIDEO	VIDEO (3)	VOLUME
Ref. No.	Part No.	Description	Remark
*	1-670-100-11	VIDEO (3) BOARD	

< CAPACITOR >			
C299	1-164-159-11	CERAMIC	0.1uF 50V
CC14	1-162-282-31	CERAMIC	100PF 10% 50V
CC64	1-162-282-31	CERAMIC	100PF 10% 50V
< CONNECTOR >			
CN307	1-564-524-11	PLUG, CONNECTOR 9P	
< GROUND TERMINAL >			
EB100	1-537-738-21	TERMINAL, EARTH	
< JACK >			
J298	1-784-808-11	TERMINAL, S (VIDEO 3 INPUT S-VIDEO)	
J299	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 3 INPUT VIDEO/AUDIO)	
< RESISTOR >			
R297	1-249-403-11	CARBON	68 5% 1/4W F
R298	1-249-403-11	CARBON	68 5% 1/4W F
R299	1-249-403-11	CARBON	68 5% 1/4W F
R321	1-249-417-11	CARBON	1K 5% 1/4W F
R371	1-249-417-11	CARBON	1K 5% 1/4W F

*	1-670-098-11	VOLUME BOARD	

< CONNECTOR >			
CNP101	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P	
CNP106	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
CNS402	1-569-323-11	SOCKET, CONNECTOR 19P	
< RESISTOR >			
R199	1-249-411-11	CARBON	330 5% 1/4W
< VARIABLE RESISTOR >			
RV401	1-225-445-11	RES, VAR, CARBON 100KX6 (MASTER VOLUME)	

MISCELLANEOUS			

3	1-769-877-11	WIRE (FLAT TYPE)(7 CORE)(90mm)	
6	1-769-875-11	WIRE (FLAT TYPE)(7 CORE)(70mm)	
8	1-693-409-11	TUNER	
10	1-769-941-11	WIRE (FLAT TYPE)(11 CORE)	
11	1-769-908-11	WIRE (FLAT TYPE)(9 CORE)	
△14	1-769-744-11	CORD, POWER	
71	1-783-777-11	WIRE (FLAT TYPE)(13 CORE)	
72	1-773-024-11	WIRE (FLAT TYPE)(15 CORE)(320mm)	
106	1-773-110-11	WIRE (FLAT TYPE)(19 CORE)	
109	1-773-008-11	WIRE (FLAT TYPE)(15 CORE)(140mm)	
△CNJ909	1-526-794-11	OUTLET, AC (AC OUTLET)	
FL101	1-517-770-11	INDICATOR TUBE, FLUORESCENT	

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

Ref. No.	Part No.	Description	Remark
Q505	8-729-209-15	TRANSISTOR 2SD2012	
Q506	8-749-010-25	IC MN2488-OPY-M	
Q507	8-749-010-26	IC MP1620-OPY-M	
Q555	8-729-209-15	TRANSISTOR 2SD2012	
Q556	8-749-010-25	IC MN2488-OPY-M	
Q557	8-749-010-26	IC MP1620-OPY-M	
Q605	8-729-209-15	TRANSISTOR 2SD2012	
Q606	8-749-010-25	IC MN2488-OPY-M	
Q607	8-749-010-26	IC MP1620-OPY-M	
Q705	8-729-209-15	TRANSISTOR 2SD2012	
Q706	8-749-010-25	IC MN2488-OPY-M	
Q707	8-749-010-26	IC MP1620-OPY-M	
Q755	8-729-209-15	TRANSISTOR 2SD2012	
Q756	8-749-010-25	IC MN2488-OPY-M	
Q757	8-749-010-26	IC MP1620-OPY-M	
△ T901	1-431-811-11	TRANSFORMER, POWER	

ACCESSORIES & PACKING MATERIALS

- 1-475-726-11 REMOTE COMMANDER (RM-LJ301)(DB825)
- 1-501-374-11 ANTENNA, LOOP
- 3-810-765-21 MANUAL,COMMONNESS INSTRUCTION
(FOR CONTROL A1)
(ENGLISH,FRENCH,GERMAN,SPANISH,DUTCH,
SWEDISH,ITALIAN,PORTUGUESE,CHINESE)(DB825)
- 3-864-029-61 MANUAL, INSTRUCTION
(ENGLISH,FRENCH,DUTCH,SWEDISH)
- 3-864-029-71 MANUAL, INSTRUCTION
(GERMAN,SPANISH,ITALIAN,PORTUGUESE)
- 3-864-230-11 MANUAL, INSTRUCTION (RM-PP401)
(ENGLISH)(DB725)
- 3-864-230-21 MANUAL, INSTRUCTION (RM-PP401)
(FRENCH,SPANISH)(DB725)
- 3-864-230-31 MANUAL, INSTRUCTION (RM-PP401)
(DUTCH,SWEDISH,GERMAN,ITALIAN,PORTUGUESE)(DB725)
- 3-864-441-11 MANUAL, INSTRUCTION (RM-LJ301)
(ENGLISH)(DB825)
- 3-864-441-21 MANUAL, INSTRUCTION (RM-LJ301)
(FRENCH,SPANISH)(DB825)
- 3-864-441-41 MANUAL, INSTRUCTION (RM-LJ301)
(DUTCH,SWEDISH,GERMAN,ITALIAN,PORTUGUESE)
(DB825)
- 4-212-261-01 COVER (FRONT)(FOR RM-LJ301)(DB825)
- 4-210-990-01 LID (RM-LJ301), BATTERY CASE (DB825)
- 4-978-977-01 LID (RM-PP401), BATTERY CASE
- 8-917-634-90 REMOTE COMMADER RM-PP401 (DB725)
- X-4950-287-1 LID ASSY (FRONT)(FOR RM-PP401)(DB725)

HARDWARE LIST

- #1 7-685-885-09 SCREW +BVTT 4X16 (S)
- #2 7-685-646-79 SCREW +BVTP 3X8 TYPE2 IT-3
- #3 7-685-132-19 SCREW +BTP 2.6X5 TYPE2 N-S

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