

TA-AV571

SERVICE MANUAL

US Model



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

SPECIFICATIONS

Audio power specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads both channels driven, from 70 - 20,000 Hz; rated 100 watts per channel minimum RMS power, with no more than 0.9 % total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Surround mode (8 ohms at 1 kHz, THD 0.9%)
front: 100 W/ch
center: 100 W (only in the PRO LOGIC mode)
rear: 100 W

Inputs

	Sensitivity	Impedance
PHONO	2.5 mV	50 kilohms
CD	400 mV	50 kilohms
TAPE, VIDEO 1, 2, TUNER	250 mV	50 kilohms

Outputs

TAPE, VIDEO 1:
Voltage 250 mV,
Impedance 1 kilohms
HEADPHONES:
Accepts low and high impedance headphones

TONE

±10 dB at 100 Hz and 10 kHz

General

Power requirements	120 V AC, 60 Hz
Power consumption	190 W
AC outlets	3 switched, total 120 W
Dimensions	430 x 160 x 355 mm (16 ¹⁵ / ₁₆ x 6 ⁵ / ₁₆ x 14 inches)
Mass (Approx.)	8.2 kg (18 lb 2 oz)
Supplied accessories	Remote controller (remote) (1) Size AA (R6) batteries (2)

Design and specifications are subject to change without notice.

INTEGRATED AV AMPLIFIER



SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth Ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 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 2V AC range are suitable. (See Fig. A)

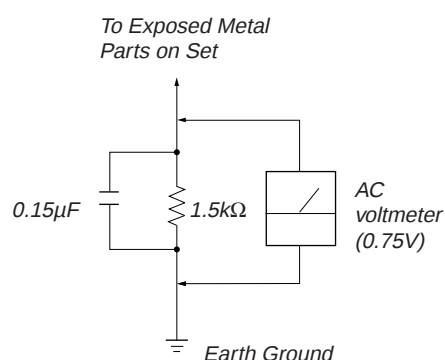


Fig. A. Using an AC voltmeter to check AC leakage.

TABLE OF CONTENTS

1. SERVICING NOTE	3
2. GENERAL	4
3. DIAGRAMS	
3-1. Circuit Boards Location	5
3-2. Waveforms	6
3-3. Schematic Diagram — Main Section —	7
3-4. Printed Wiring Board — Main Section —	11
3-5. Printed Wiring Board — Power Section —	13
3-6. Printed Wiring Board — Display Section —	15
3-7. Schematic Diagram — Display Section —	17
3-8. IC Block Diagrams	19
3-9. IC Pin Function	
• IC401 $\mu PD78042FGF-036-3BP$ (RF System Control)	21
4. EXPLODED VIEWS	
4-1. Case and Back Panel Section	23
4-2. Front Panel Section	24
4-3. Chassis Section	25
5. ELECTRICAL PARTS LIST	26

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.

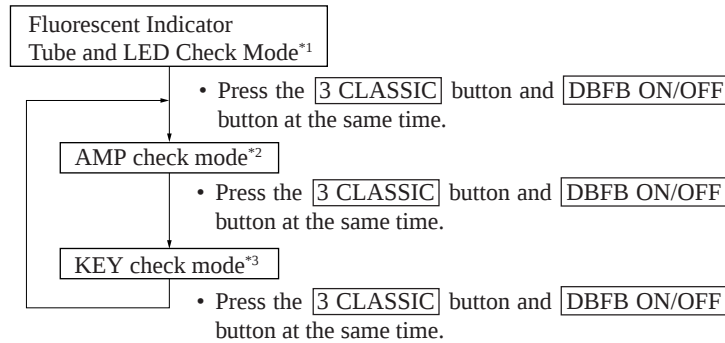
SECTION 1

SERVICING NOTE

[Fluorescent Indicator Tube, LED All Lit, and Key Check Mode]

1. When the plug is inserted into the outlet while pressing the **[3 CLASSIC]** button, the fluorescent indicator tube and LED will light up completely.
2. The mode changes as follows each time the **[3 CLASSIS]** button and **[DBFB ON/OFF]** button are pressed together after 1.

Sequence of Service Modes



*1 For checking if the fluorescent indicator tube and LED are lit completely

*2 When the AMP check mode is set, “AMP” is displayed on the fluorescent indicator tube. As this mode is not used for servicing, perform step 2 to enter the KEY check mode.

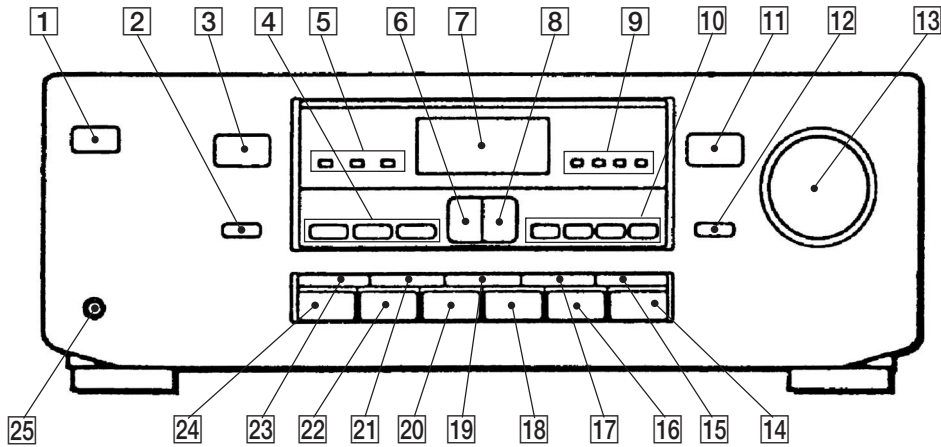
*3 When the KEY check mode is set, “KEY 0” is displayed on the fluorescent indicator tube. Each press of the button is counted. (This excludes the **[POWER]** button)
When all buttons are pressed, the AMP check mode is set.
Buttons pressed once will not be counted when pressed again.

3. To exit the test mode, press the **[POWER]** button.

SECTION 2 GENERAL

LOCATION OF PARTS AND CONTROLS

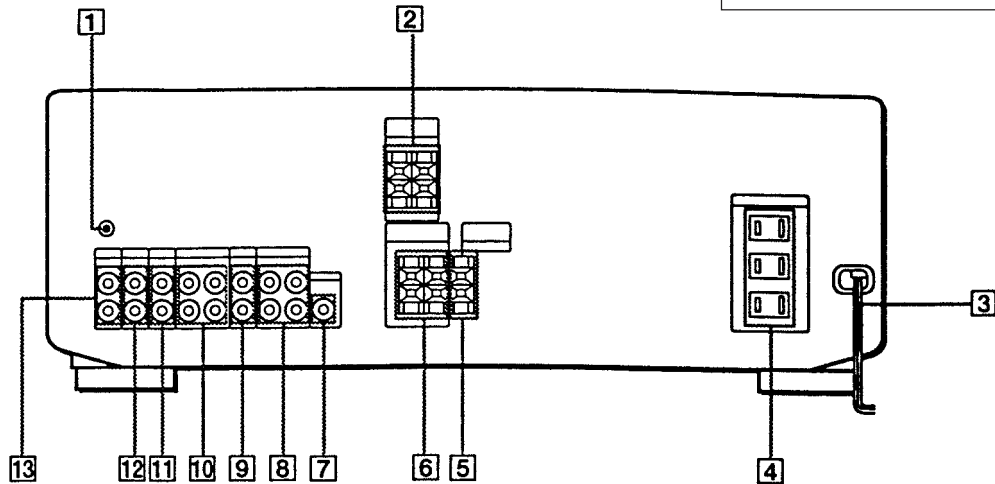
Front Panel



- | | |
|--|-----------------------|
| 1 POWER button | 12 DBFB ON/OFF button |
| 2 CENTER MODE button | 13 MASTER VOLUME Knob |
| 3 DOLBY PRO LOGIC indicator | 14 PHONO button |
| 4 SURROUND MODE buttons
(DOLBY, HALL, SIMULATED) | 15 5 GAME button |
| 5 SURROUND indicators
(DOLBY, HALL, SIMULATED) | 16 TUNER button |
| 6 - button | 17 4 MOVIE button |
| 7 Display window | 18 CD button |
| 8 + button | 19 3 CLASSIC button |
| 9 SOUND CONTROL indicators
(BASS, TREBLE, CENTER, REAR) | 20 TAPE button |
| 10 CONTROL MODE buttons
(BASS, TREBLE, CENTER, REAR) | 21 2 POPS button |
| 11 DBFB indicator | 22 VIDEO 2 button |
| | 23 1 ROCK button |
| | 24 VIDEO 1 button |
| | 25 PHONES jack |

Rear Panel

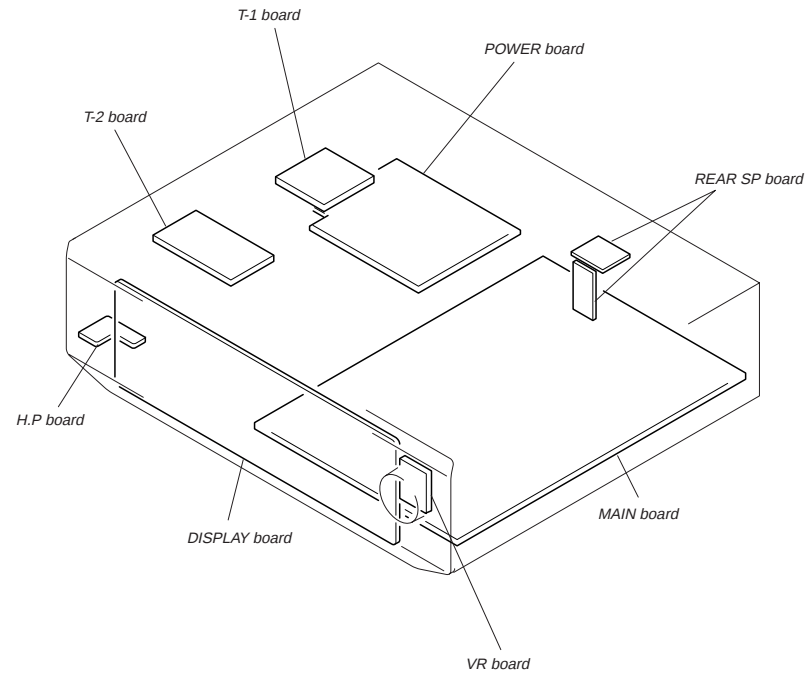
This section is extracted from instruction manual.



- | | | |
|---------------------------------|------------------|----------|
| 1 $\varnothing$ ground terminal | 6 FRONT SPEAKERS | 10 TAPE |
| 2 REAR SPEAKERS | 7 MIX | 11 CD |
| 3 AC power cord | 8 VIDEO 1 | 12 TUNER |
| 4 SWITCHED AC OUTLET | 9 VIDEO 2 | 13 PHONO |
| 5 CENTER SPEAKER | | |

SECTION 3 DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION



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

NOTE

- : parts extracted from the component side.
- : Pattern from the side which enable seeing.

NOTE

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

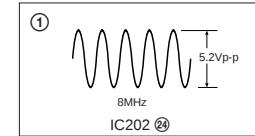
Note:

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

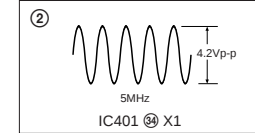
- $\square$ B+ : B+ Line
- $\square$ B- : B- Line
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
no mark : STOP
- Voltages are taken with a VOM (Input impedance 10M Ω).
Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
 $\Rightarrow$: FM

3-2. WAVEFORMS

MAIN SECTION



PANEL SECTION

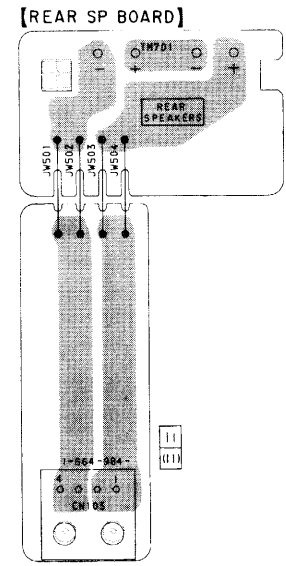
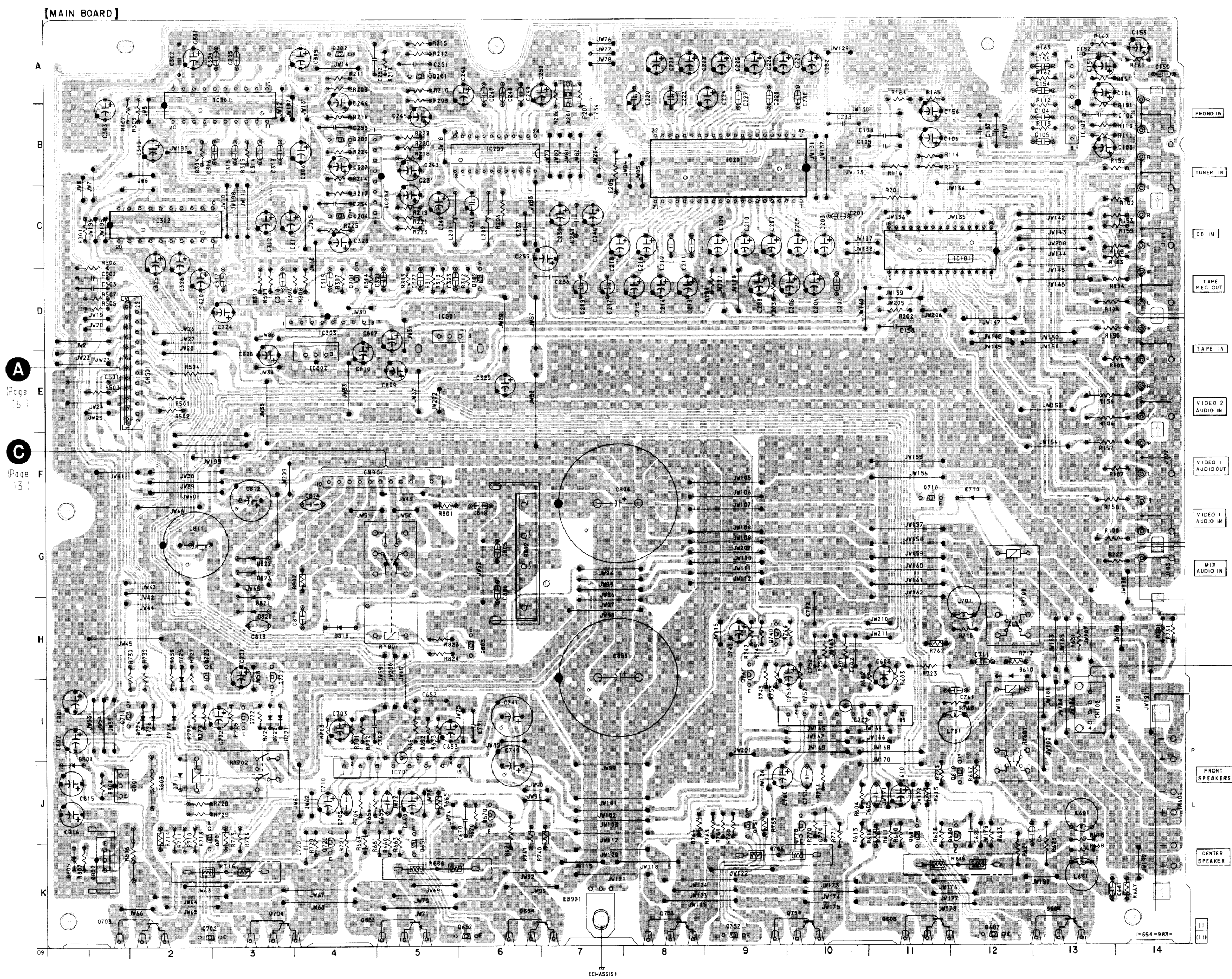




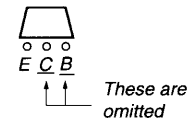


3-4. PRINTED WIRING BOARD — MAIN SECTION —

• See page 5 for Circuit Boards Location.



Indication of transistor

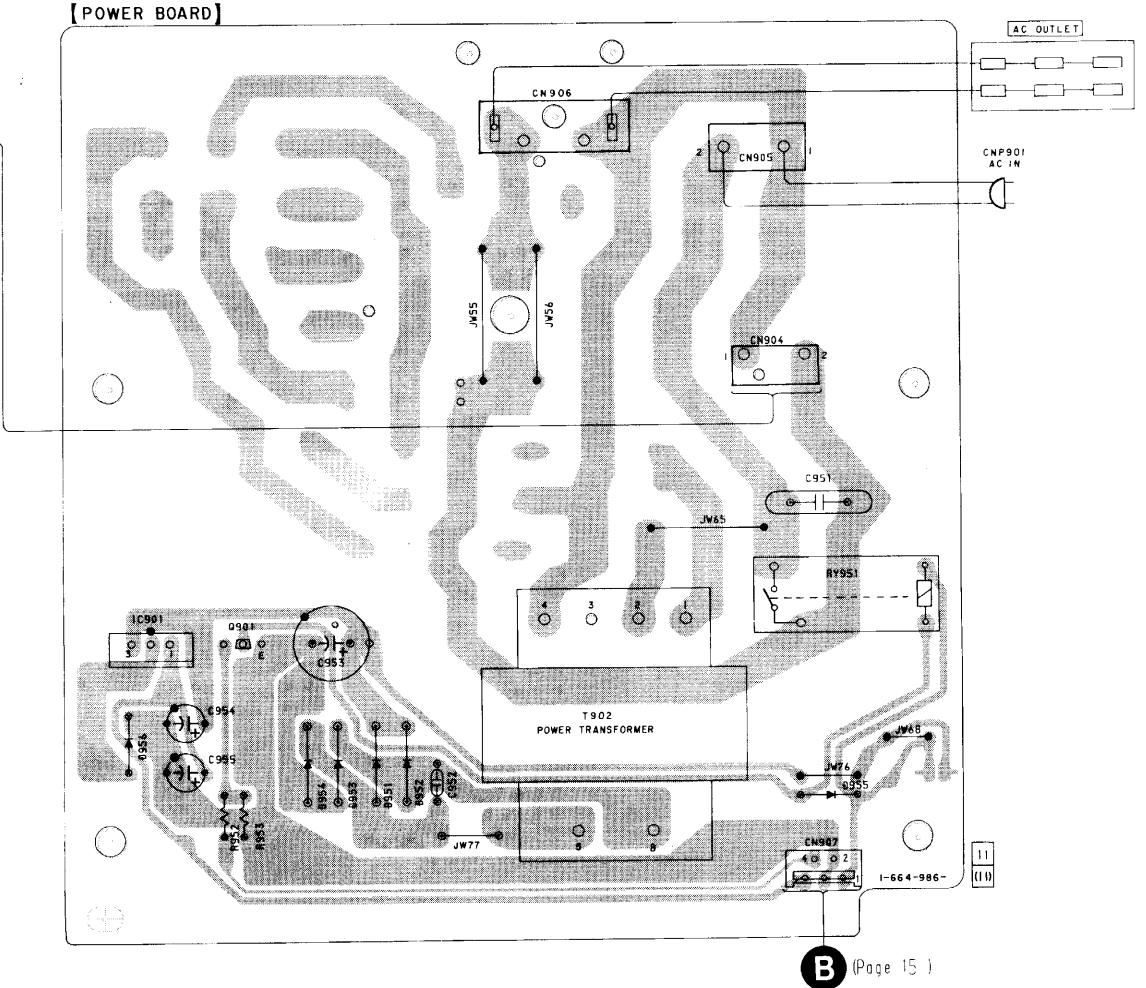
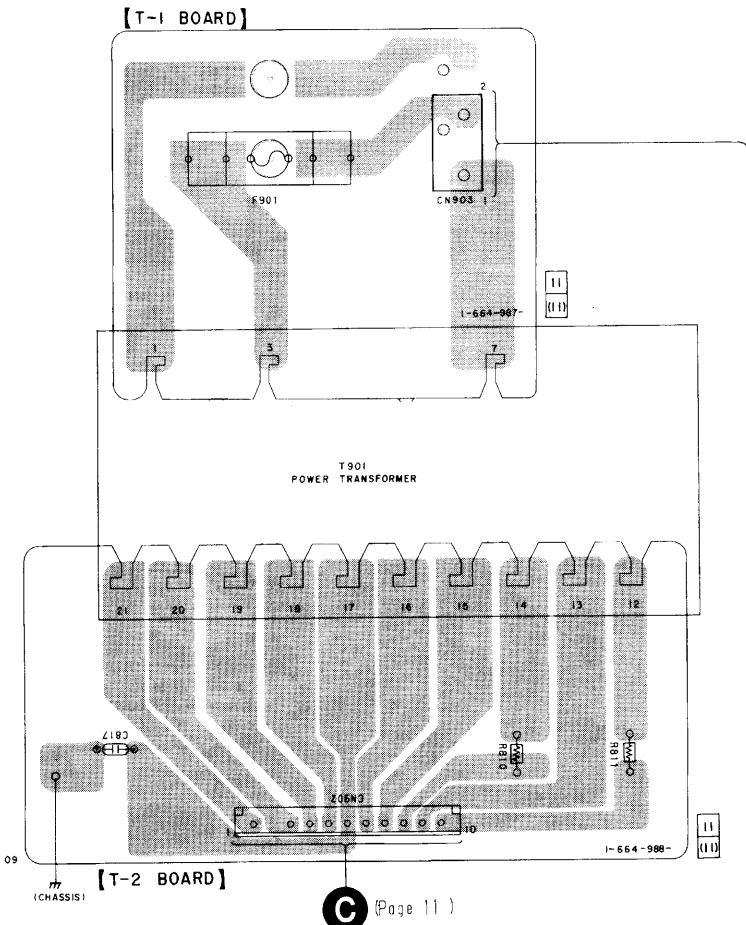


3-5. PRINTED WIRING BOARD — POWER SECTION —
• See page 5 for Circuit Boards Location.

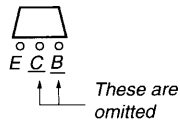
— MAIN Board —

• Semiconductor Location

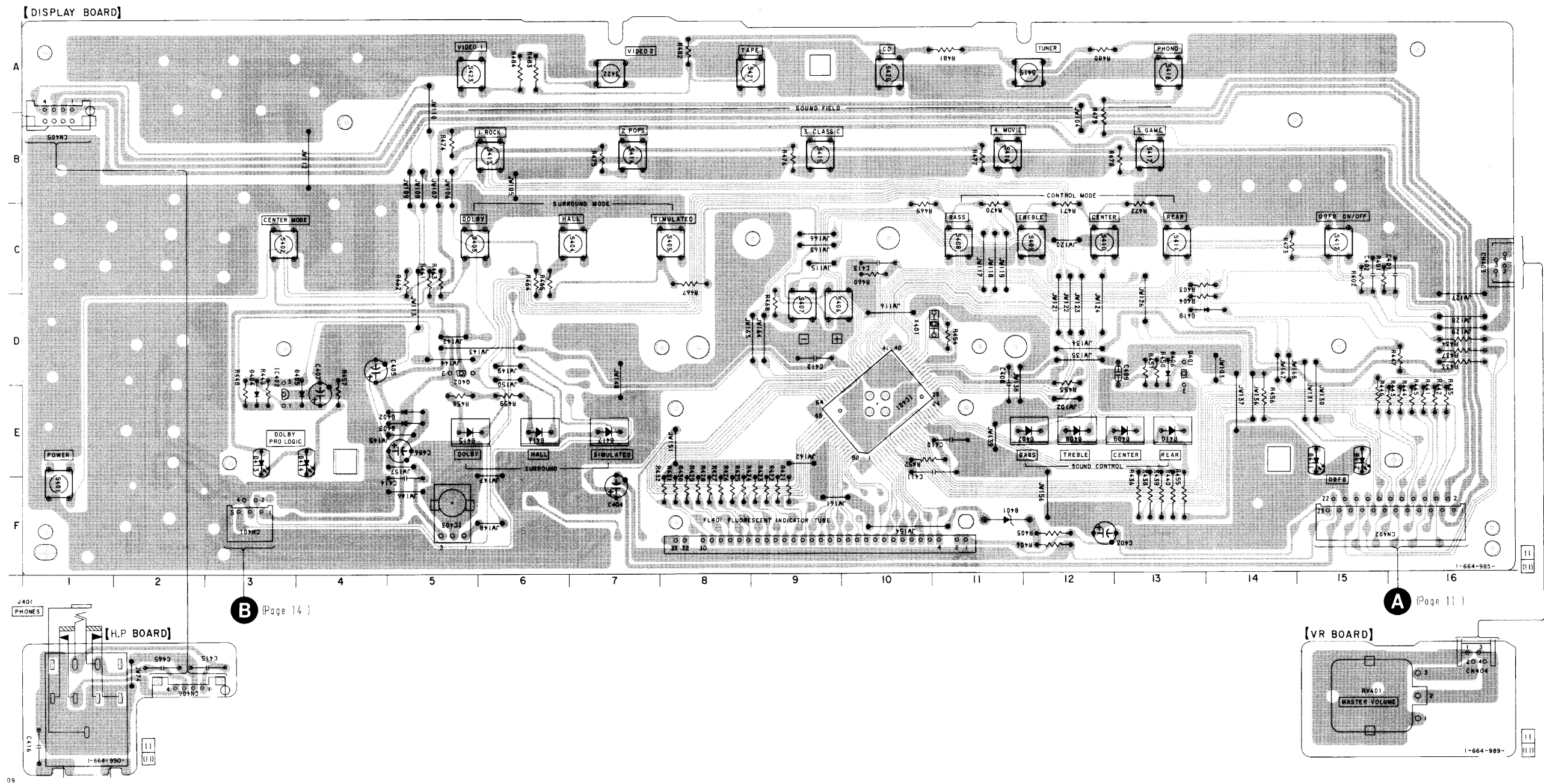
Ref. No.	Location	Ref. No.	Location
D610	H-12	Q204	C-4
D710	F-12	Q301	D-4
D711	J-2	Q302	D-6
D721	I-2	Q601	J-11
D722	I-2	Q602	K-12
D723	I-2	Q603	K-11
D724	I-2	Q604	K-13
D725	H-2	Q610	J-12
D726	I-2	Q620	J-12
D801	I-1	Q651	J-5
D802	G-6	Q652	K-6
D805	K-1	Q653	K-4
D818	H-4	Q654	K-6
D820	H-3	Q670	J-6
D821	H-3	Q701	J-3
D822	G-3	Q702	K-2
D823	G-3	Q703	K-1
		Q704	K-3
IC101	C-12	Q710	F-12
IC102	B-13	Q711	I-1
IC201	B-9	Q720	J-4
IC202	B-6	Q721	H-3
IC203	C-5	Q722	I-3
IC301	A-3	Q723	H-3
IC302	C-2	Q740	H-9
IC303	D-4	Q741	H-9
IC701	J-5	Q751	J-9
IC702	I-10	Q752	K-9
IC801	D-5	Q753	K-8
IC802	E-4	Q754	K-10
		Q770	J-10
Q201	A-5	Q801	J-2
Q202	A-4	Q802	G-6
Q203	B-4	Q803	H-6



Indication of transistor



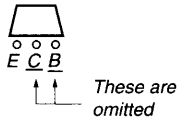
3-6. PRINTED WIRING BOARD — DISPLAY SECTION —
• See page 5 for Circuit Boards Location.



— DISPLAY Board —
• Semiconductor Location

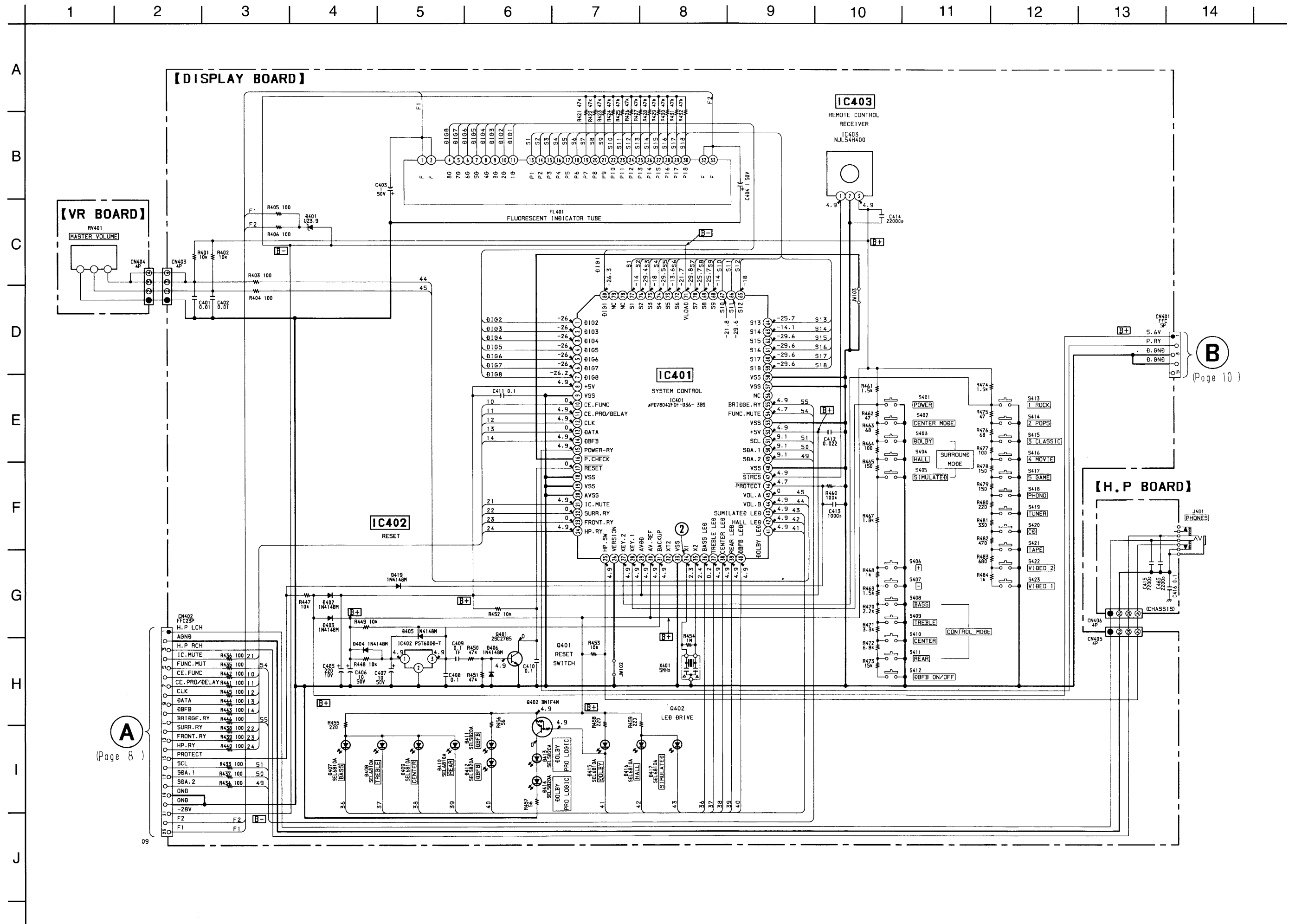
Ref. No.	Location	Ref. No.	Location
D401	F-11	D414	E-4
D402	E-5	D415	E-5
D403	E-5	D416	E-6
D404	D-3	D417	E-7
D405	D-4	D419	D-13
D406	D-13		
D407	E-12	IC401	E-10
D408	E-12	IC402	D-3
D409	E-13	IC403	F-5
D410	E-13		
D411	E-15	Q401	D-13
D412	E-15	Q402	D-5
D413	E-3		

Indication of transistor

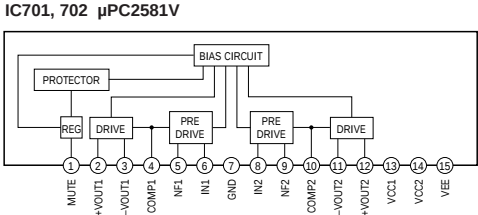
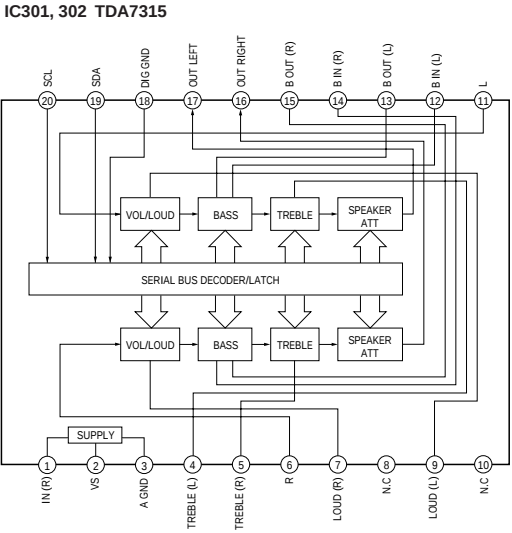
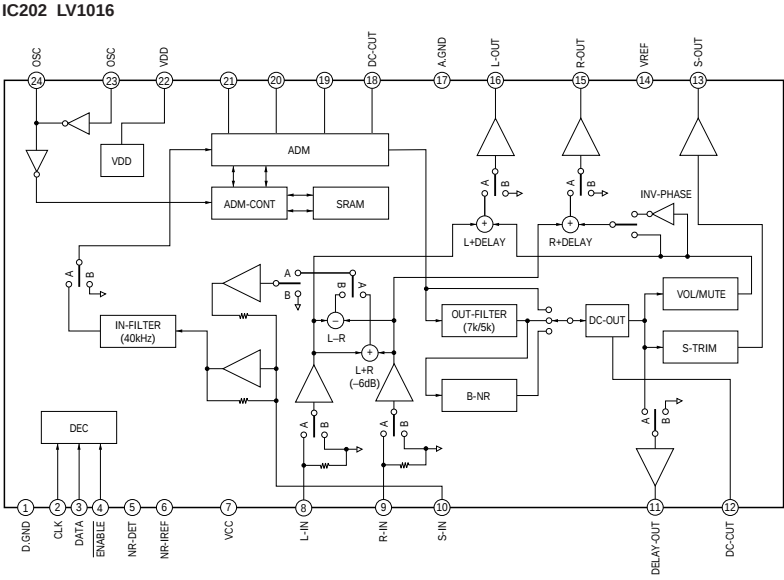
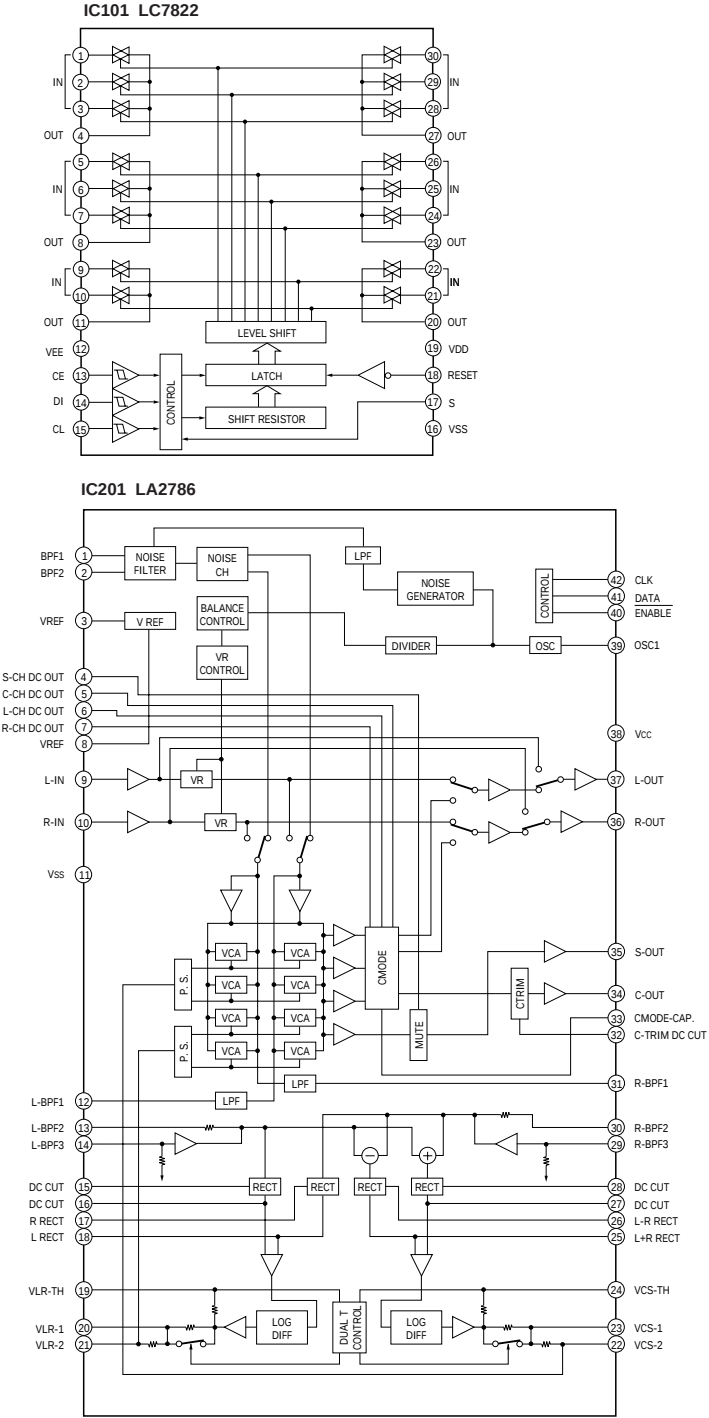


3-7. SCHEMATIC DIAGRAM — DISPLAY SECTION —

- See page 6 for Waveforms.
- See page 21 for IC Pin Functions.



3-8. IC BLOCK DIAGRAMS



3-9. IC PIN FUNCTION

• IC401 RF SYSTEM CONTROL (μPD78042FGF-036-3BP)

Pin No.	Pin Name	I/O	Function
1—7	DIG2—DIG8	O	L segment signal output
8	+5V	—	+5V power supply
9	VSS	—	Ground
10	CE-FUNC	O	Chip enable signal output (for IC101)
11	CE.PRO/DELAY	O	Chip enable signal output (for IC201, 202)
12	CLK	O	Serial clock output
13	DATA	O	Serial data output
14	DBFB	O	DBFB ON/OFF drive signal output
15	POWER-RY	O	Power-relay ON/OFF drive signal output
16	P.CHECK	I	Power check input (Connected to ground)
17	RESET	I	Reset signal input
18	VSS	—	Ground
19	VSS	—	Ground
20	AVSS	—	Ground
21	IC.MUTE	O	Mute control output (for IC701, 702)
22	SURR.RY	O	Surround speaker relay ON/OFF drive signal output
23	FRONT.RY	O	Front speaker relay ON/OFF drive signal output
24	HP.RY	O	Headphone relay ON/OFF drive signal output
25	HP.SW	I	PHONES jack in distinction pin
26	VERSION	I	Destination distinction pin (Connected to ground)
27	KEY.2	I	Key matrix input
28	KEY.1	I	Key matrix input
29	AVDD	—	+5V power supply
30	AV.REF	—	+5V power supply
31	BACKUP	I	Backup signal input
32	XT2	—	Not used
33	VSS	—	Ground
34	X1	I	X'tal (5 MHz)
35	X2	O	X'tal (5 MHz)
36	BASS LED	O	BASS LED drive signal output
37	TREBLE LED	O	TREBLE LED drive signal output
38	CENTER LED	O	CENTER LED drive signal output
39	REAR LED	O	REAR LED drive signal output
40	DBFB LED	O	DBFB LED drive signal output
41	DOLBY LED	O	DOLBY LED drive signal output

Pin No.	Pin Name	I/O	Function
42	HALL LED	O	HALL LED drive signal output
43	SIMULATED LED	O	SIMULATE LED drive signal output
44	VOL.B	I	Volume encoder signal input
45	VOL.A	I	Volume encoder signal input
46	$\overline{\text{PROTECT}}$	I	Protect signal input
47	$\overline{\text{SIRCS}}$	I	SIRCS signal input
48	VSS	—	Ground
49	SDA.2	I/O	Volume IC signal
50	SDA.1	I/O	Volume IC signal
51	SCL	I/O	Volume IC signal
52	+5V	—	+5V power supply
53	VSS	—	Ground
54	FUNC.MUTE	O	Line mute control output
55	BRIDGE.RY	O	Bridge relay drive signal output
56	STANDBY LED	O	STANDBY LED drive signal output
57	VSS	—	Ground
58	VSS	—	Ground
59—70	S18—S7	O	FL segment signal output
71	VLOAD	—	–28V power supply for FLUORESCENT INDICATOR TUBE
72—77	S6—S1	O	FL segment signal output
78	NC	—	Not used
79	NC	—	Not used
80	DIG1	O	FL segment signal output

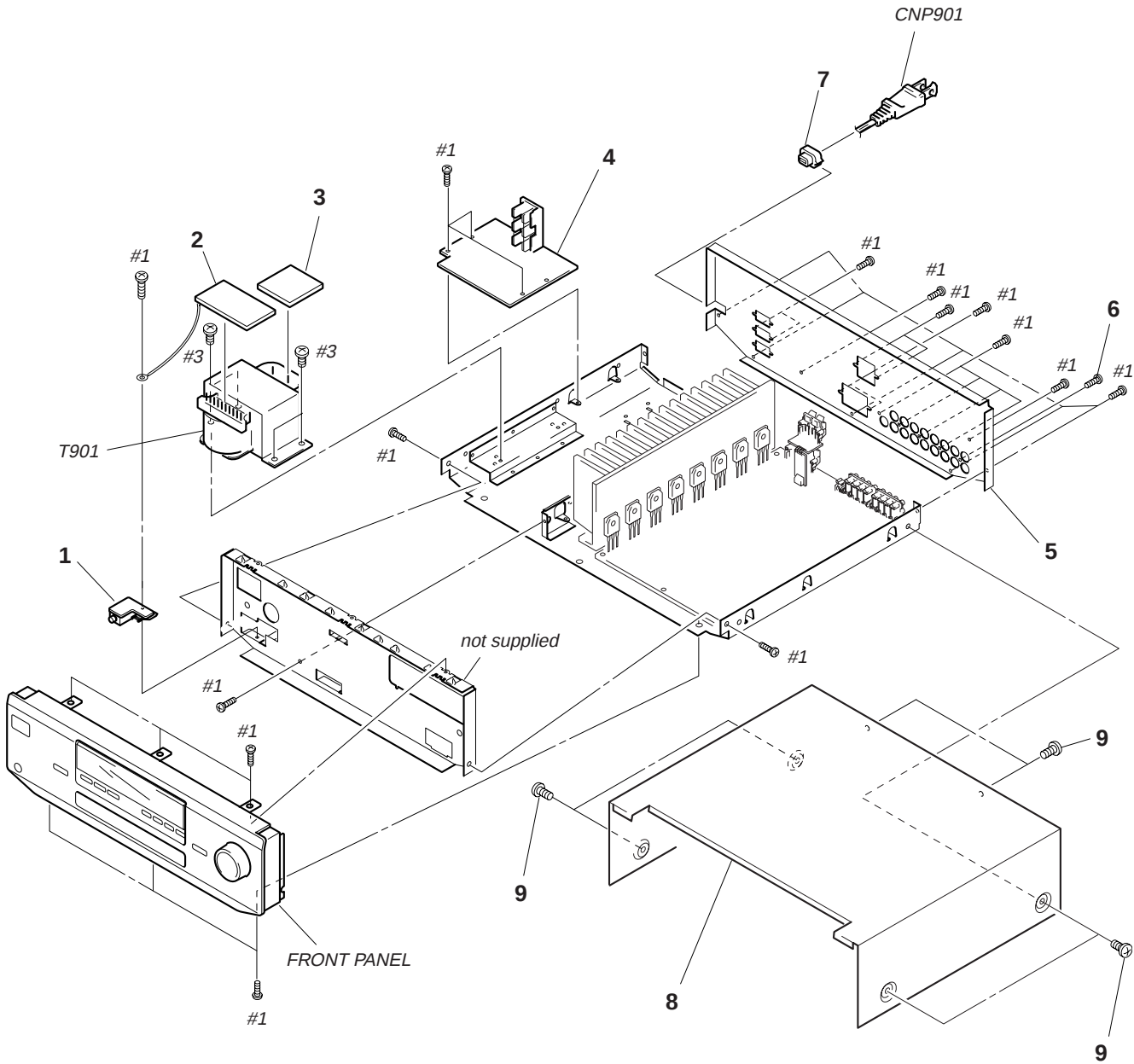
SECTION 4 EXPLODED VIEWS

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.

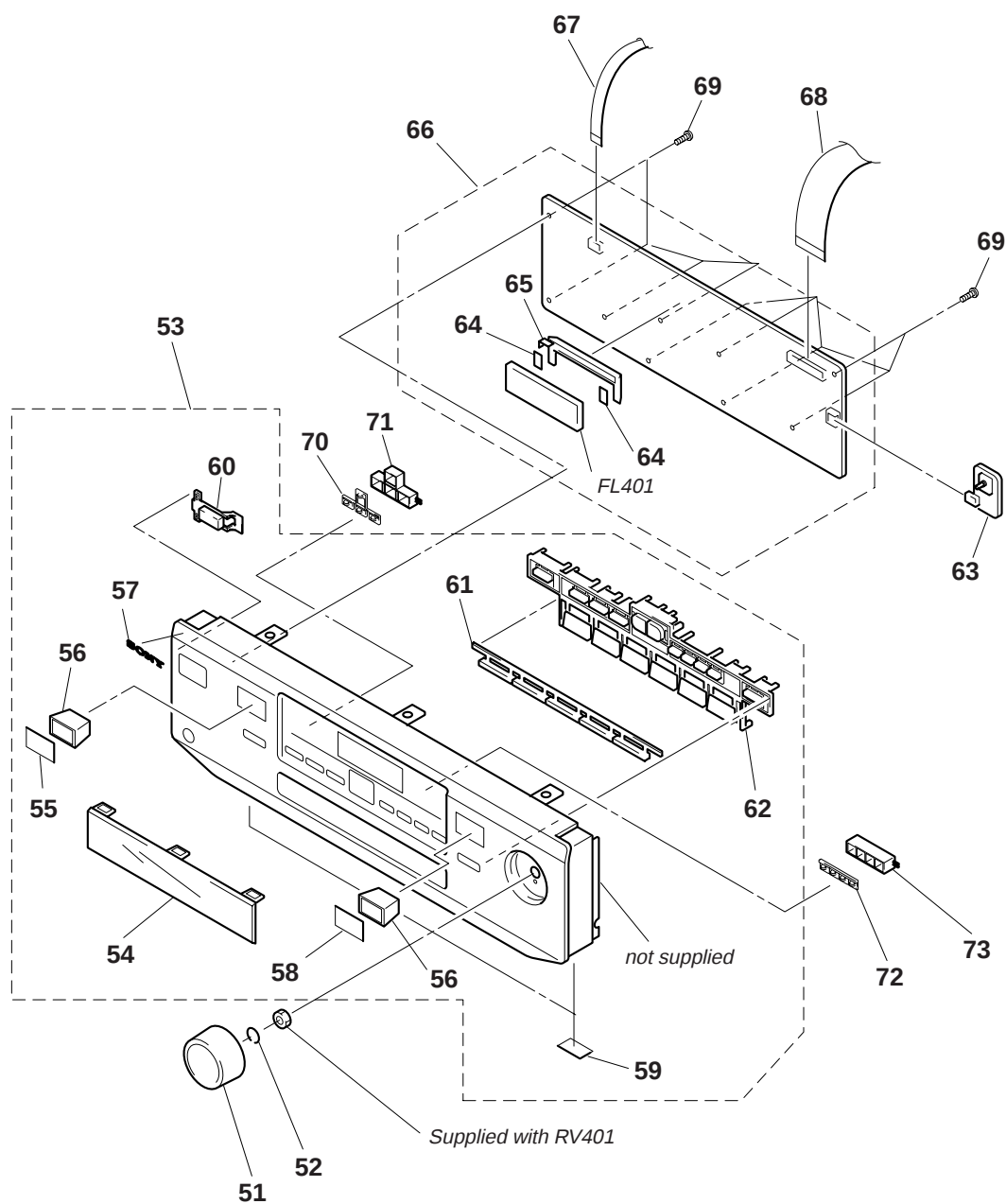
The components identified by mark Δ or dotted line with mark Δ are critical for safety.
Replace only with part number specified.

4-1. CASE AND BACK PANEL SECTION



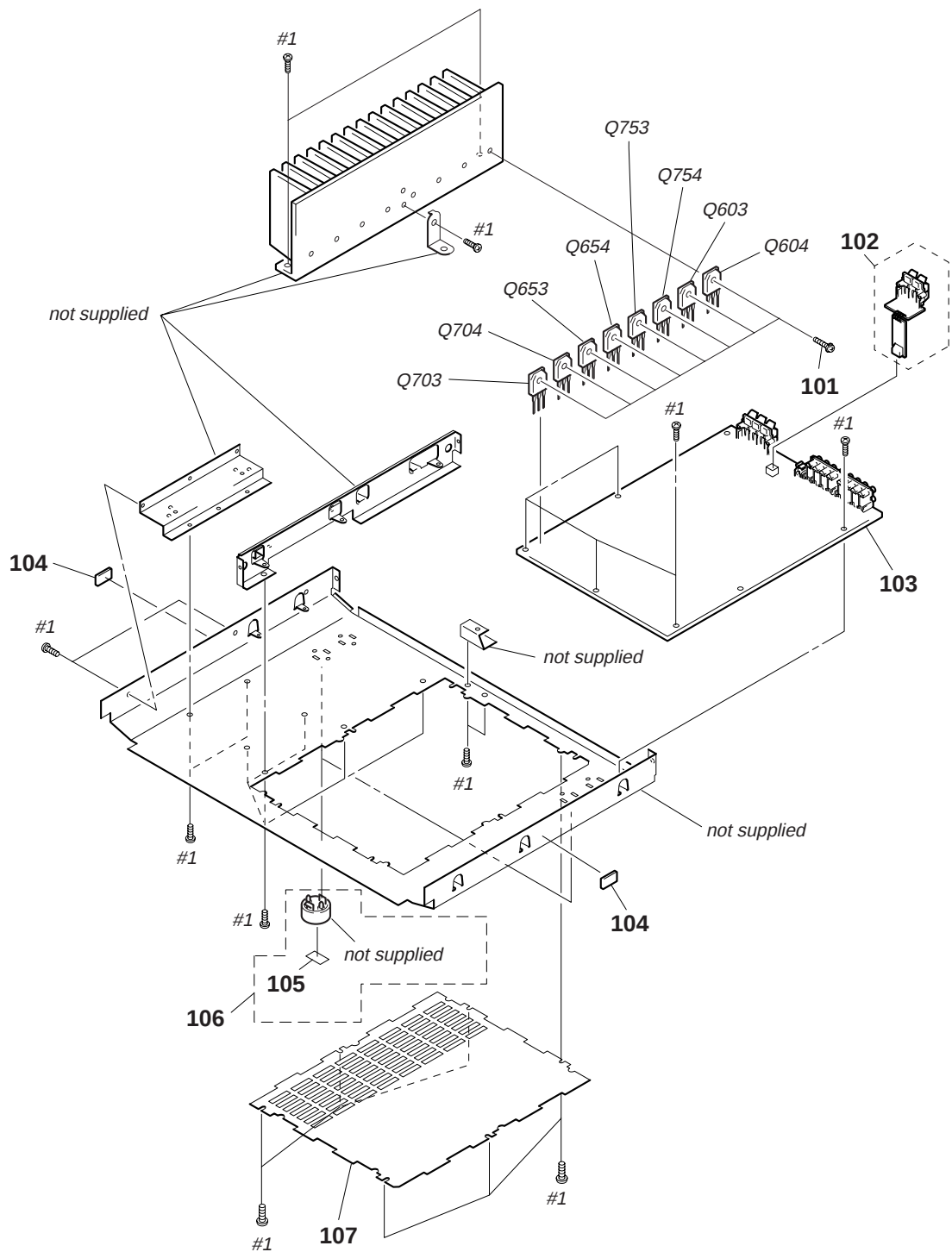
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 1	1-664-990-11	H.P. BOARD		* 7	3-703-244-00	BUSHING (2104), CORD	
* 2	1-664-988-11	T-2 BOARD		* 8	4-979-945-01	CASE (414532)	
* 3	1-664-987-11	T-1 BOARD		9	3-704-366-01	SCREW (CASE) (M3X8)	
* 4	1-664-986-11	POWER BOARD		Δ CNP901	1-690-609-21	CORD, POWER	
* 5	4-979-954-81	PANEL, BACK		Δ T901	1-431-206-11	TRANSFORMER, POWER	
6	3-704-515-01	SCREW (BV/RING)					

4-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	4-980-107-01	KNOB (VOL)		* 63	1-664-989-11	VR BOARD	
52	3-350-426-01	SPRING, RING		* 64	4-921-941-01	CUSHION (FL)	
53	X-4948-432-1	PANEL ASSY, FRONT		* 65	4-979-943-01	HOLDER, FL TUBE	
54	4-979-942-31	WINDOW					
55	4-979-937-01	FILTER		* 66	A-4392-768-A	DISPLAY BOARD, COMPLETE	
* 56	4-982-462-01	HOUSE, LED		67	1-769-867-11	WIRE (FLAT TYPE) (5 CORE)	
57	4-963-404-21	EMBLEM (5-A), SONY		68	1-773-183-11	WIRE (FLAT TYPE) (23 CORE)	
58	4-979-937-21	FILTER		69	4-951-620-01	SCREW (2.6X8), +BVTP	
59	4-977-358-11	CUSHION (8X12.5)		* 70	4-982-814-01	LENS (SUR)	
60	4-979-936-01	BUTTON (P-T)		* 71	4-982-816-01	BOX (SUR), LED	
61	4-979-941-01	BUTTON (SUR)		* 72	4-982-815-01	LENS (CON)	
62	4-979-935-01	BUTTON (F-6)		* 73	4-982-817-01	BOX (CON), LED	
				FL401	1-517-512-11	INDICATOR TUBE, FLUORESCENT	

4-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-905-609-01	SCREW (TRANSISTOR)		Q604	8-749-010-26	TRANSISTOR MP1620-OPY-M	
* 102	1-664-984-11	REAR SP BOARD		Q653	8-749-010-25	TRANSISTOR MN2488-OPY-M	
* 103	A-4392-766-A	MAIN BOARD, COMPLETE					
104	4-985-642-01	CUSHION		Q654	8-749-010-26	TRANSISTOR MP1620-OPY-M	
105	4-977-358-11	CUSHION (8X12.5)		Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
				Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
106	X-3371-405-1	FOOT (SMALL) ASSY		Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
* 107	4-979-946-01	PLATE (432), BOTTOM		Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q603	8-749-010-25	TRANSISTOR MN2488-OPY-M					

DISPLAY

SECTION 5 ELECTRICAL PARTS LIST

Note:

The components identified by mark △ or dotted line with mark △ 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.
- 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-4392-768-A	DISPLAY BOARD, COMPLETE	*****						< FLUORESCENT INDICATOR >				
							FL401	1-517-512-11	INDICATOR TUBE, FLUORESCENT				
									< IC >				
*	4-921-941-01	CUSHION (FL)					IC401	8-759-458-45	IC uPD78042FGF-036-3B9				
*	4-979-943-01	HOLDER, FL TUBE					IC402	8-759-165-81	IC PST600D-T				
							IC403	8-759-373-49	IC NJL54H400				
		< CAPACITOR >							< TRANSISTOR >				
	C401	1-162-306-11 CERAMIC	0.01uF	20%	16V		Q401	8-729-119-78	TRANSISTOR 2SC2785-HFE				
	C402	1-162-306-11 CERAMIC	0.01uF	20%	16V		Q402	8-729-900-63	TRANSISTOR DTA124ES				
	C403	1-124-903-11 ELECT	1uF	20%	50V				< RESISTOR >				
	C404	1-124-903-11 ELECT	1uF	20%	50V		R401	1-249-429-11	CARBON 10K 5% 1/4W				
	C405	1-126-923-11 ELECT	220uF	20%	10V		R402	1-249-429-11	CARBON 10K 5% 1/4W				
							R403	1-247-807-31	CARBON 100 5% 1/4W				
	C406	1-124-907-11 ELECT	10uF	20%	50V		R404	1-247-807-31	CARBON 100 5% 1/4W				
	C407	1-124-907-11 ELECT	10uF	20%	50V		R405	1-247-807-31	CARBON 100 5% 1/4W				
	C408	1-164-159-11 CERAMIC	0.1uF		50V		R406	1-247-807-31	CARBON 100 5% 1/4W				
	C409	1-136-165-00 FILM	0.1uF	5%	50V		R421	1-249-437-11	CARBON 47K 5% 1/4W				
	C410	1-164-159-11 CERAMIC	0.1uF		50V		R422	1-249-437-11	CARBON 47K 5% 1/4W				
							R423	1-249-437-11	CARBON 47K 5% 1/4W				
	C411	1-164-159-11 CERAMIC	0.1uF		50V		R424	1-249-437-11	CARBON 47K 5% 1/4W				
	C412	1-161-494-00 CERAMIC	0.022uF		25V		R425	1-249-437-11	CARBON 47K 5% 1/4W				
	C413	1-162-294-31 CERAMIC	0.001uF	10%	50V		R426	1-249-437-11	CARBON 47K 5% 1/4W				
	C414	1-161-494-00 CERAMIC	0.022uF		25V		R427	1-249-437-11	CARBON 47K 5% 1/4W				
		< CONNECTOR >					R428	1-249-437-11	CARBON 47K 5% 1/4W				
*	CN401	1-568-848-11 SOCKET, CONNECTOR 5P					R429	1-249-437-11	CARBON 47K 5% 1/4W				
*	CN402	1-568-865-11 SOCKET, CONNECTOR 23P					R430	1-249-437-11	CARBON 47K 5% 1/4W				
	CN403	1-750-194-11 CONNECTOR, BOARD TO BOARD 4P					R431	1-249-437-11	CARBON 47K 5% 1/4W				
	CN405	1-770-397-11 HOUSING, CONNECTOR(PC BOARD)4P					R432	1-249-437-11	CARBON 47K 5% 1/4W				
		< DIODE >					R433	1-247-807-31	CARBON 100 5% 1/4W				
	D401	8-719-014-34 DIODE UZP-3.9BA-TP					R434	1-247-807-31	CARBON 100 5% 1/4W				
	D402	8-719-987-63 DIODE 1N4148M					R435	1-247-807-31	CARBON 100 5% 1/4W				
	D403	8-719-987-63 DIODE 1N4148M					R436	1-247-807-31	CARBON 100 5% 1/4W				
	D404	8-719-987-63 DIODE 1N4148M					R437	1-247-807-31	CARBON 100 5% 1/4W				
	D405	8-719-987-63 DIODE 1N4148M					R438	1-247-807-31	CARBON 100 5% 1/4W				
							R439	1-247-807-31	CARBON 100 5% 1/4W				
	D406	8-719-987-63 DIODE 1N4148M					R440	1-247-807-31	CARBON 100 5% 1/4W				
	D407	8-719-313-45 DIODE SEL6810A-TH10 (BASS SOUND)					R441	1-247-807-31	CARBON 100 5% 1/4W				
	D408	8-719-313-45 DIODE SEL6810A-TH10 (TREBLE SOUND)					R442	1-247-807-31	CARBON 100 5% 1/4W				
	D409	8-719-313-45 DIODE SEL6810A-TH10 (CENTER SOUND)					R443	1-247-807-31	CARBON 100 5% 1/4W				
	D410	8-719-313-45 DIODE SEL6810A-TH10 (REAR CONTROL)					R444	1-247-807-31	CARBON 100 5% 1/4W				
							R445	1-247-807-31	CARBON 100 5% 1/4W				
	D411	8-719-032-98 DIODE SEL5820A (DBFB)					R446	1-247-807-31	CARBON 100 5% 1/4W				
	D412	8-719-032-98 DIODE SEL5820A (DBFB)					R447	1-249-429-11	CARBON 10K 5% 1/4W				
	D413	8-719-032-98 DIODE SEL5820A (DOLBY PRO LOGIC)											
	D414	8-719-032-98 DIODE SEL5820A (DOLBY PRO LOGIC)											
	D415	8-719-313-45 DIODE SEL6810A-TH10 (DOLBY SURROUND)											
	D416	8-719-313-45 DIODE SEL6810A-TH10 (HALL SURROUND)											
	D417	8-719-313-45 DIODE SEL6810A-TH10 (SIMULATED SURROUND)											
	D419	8-719-987-63 DIODE 1N4148M											

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R448	1-249-429-11	CARBON	10K	5%	1/4W		S419	1-762-751-11	SWITCH, TACTILE (TUNER)				
R449	1-249-429-11	CARBON	10K	5%	1/4W		S420	1-762-751-11	SWITCH, TACTILE (CD)				
R450	1-249-437-11	CARBON	47K	5%	1/4W		S421	1-762-751-11	SWITCH, TACTILE (TAPE)				
R451	1-249-437-11	CARBON	47K	5%	1/4W		S422	1-762-751-11	SWITCH, TACTILE (VIDEO 2)				
R452	1-249-429-11	CARBON	10K	5%	1/4W		S423	1-762-751-11	SWITCH, TACTILE (VIDEO 1)				
R453	1-249-429-11	CARBON	10K	5%	1/4W		< VIBRATOR >						
R454	1-247-903-00	CARBON	1M	5%	1/4W								
R455	1-249-409-11	CARBON	220	5%	1/4W	F	X401	1-579-233-11	VIBRATOR, CERAMIC (5MHz)				
R456	1-249-402-11	CARBON	56	5%	1/4W	F	*****						
R457	1-249-402-11	CARBON	56	5%	1/4W	F	*	1-664-990-11	H.P BOARD				
R458	1-249-409-11	CARBON	220	5%	1/4W	F			*****				
R459	1-249-409-11	CARBON	220	5%	1/4W	F			< CAPACITOR >				
R460	1-249-441-11	CARBON	100K	5%	1/4W		C415	1-162-302-11	CERAMIC	0.0022uF	30%	16V	
R461	1-249-419-11	CARBON	1.5K	5%	1/4W	F	C416	1-164-159-11	CERAMIC	0.1uF		50V	
R462	1-249-401-11	CARBON	47	5%	1/4W	F	C465	1-162-302-11	CERAMIC	0.0022uF	30%	16V	
R463	1-249-403-11	CARBON	68	5%	1/4W	F	< CONNECTOR >						
R464	1-247-807-31	CARBON	100	5%	1/4W		CN406	1-770-388-11	PIN, CONNECTOR (PC BOARD) 4P				
R465	1-249-407-11	CARBON	150	5%	1/4W	F	< JACK >						
R467	1-249-420-11	CARBON	1.8K	5%	1/4W	F	J401	1-569-113-11	JACK, LARGE TYPE (PHONES)				
R468	1-249-417-11	CARBON	1K	5%	1/4W	F	*****						
R469	1-249-419-11	CARBON	1.5K	5%	1/4W	F	*	A-4392-766-A	MAIN BOARD, COMPLETE				
R470	1-249-421-11	CARBON	2.2K	5%	1/4W	F			*****				
R471	1-247-843-11	CARBON	3.3K	5%	1/4W		7-685-646-01	SCREW +BVTP 3X8 TYPE1					
R472	1-249-427-11	CARBON	6.8K	5%	1/4W	F	< CAPACITOR >						
R473	1-249-431-11	CARBON	15K	5%	1/4W		C101	1-126-963-11	ELECT	4.7uF	20%	50V	
R474	1-249-419-11	CARBON	1.5K	5%	1/4W	F	C102	1-162-282-31	CERAMIC	100PF	10%	50V	
R475	1-249-401-11	CARBON	47	5%	1/4W	F	C103	1-126-964-11	ELECT	10uF	20%	50V	
R476	1-249-403-11	CARBON	68	5%	1/4W	F	C104	1-137-437-11	FILM	0.0056uF	5%	50V	
R477	1-247-807-31	CARBON	100	5%	1/4W		C105	1-137-365-11	FILM	0.0015uF	5%	50V	
R478	1-249-407-11	CARBON	150	5%	1/4W	F	C106	1-126-960-11	ELECT	1uF	20%	50V	
R479	1-249-407-11	CARBON	150	5%	1/4W	F	C107	1-164-159-11	CERAMIC	0.1uF		50V	
R480	1-249-409-11	CARBON	220	5%	1/4W	F	C108	1-164-159-11	CERAMIC	0.1uF		50V	
R481	1-249-411-11	CARBON	330	5%	1/4W		C109	1-162-294-31	CERAMIC	0.001uF	10%	50V	
R482	1-249-413-11	CARBON	470	5%	1/4W	F	C151	1-126-963-11	ELECT	4.7uF	20%	50V	
R483	1-249-415-11	CARBON	680	5%	1/4W	F	C152	1-162-282-31	CERAMIC	100PF	10%	50V	
R484	1-249-417-11	CARBON	1K	5%	1/4W	F	C153	1-126-964-11	ELECT	10uF	20%	50V	
< SWITCH >							C154	1-137-437-11	FILM	0.0056uF	5%	50V	
S401	1-762-751-11	SWITCH, TACTILE (POWER)					C155	1-137-365-11	FILM	0.0015uF	5%	50V	
S402	1-762-751-11	SWITCH, TACTILE (CENTER MODE)					C156	1-126-960-11	ELECT	1uF	20%	50V	
S403	1-762-751-11	SWITCH, TACTILE (DOLBY SURROUND MODE)					C157	1-164-159-11	CERAMIC	0.1uF		50V	
S404	1-762-751-11	SWITCH, TACTILE (HALL SURROUND MODE)					C158	1-162-291-31	CERAMIC	560PF	10%	50V	
S405	1-762-751-11	SWITCH, TACTILE (SIMULATED SURROUND MODE)					C159	1-136-165-00	FILM	0.1uF	5%	50V	
S406	1-762-751-11	SWITCH, TACTILE (+)					C201	1-137-372-11	FILM	0.022uF	5%	50V	
S407	1-762-751-11	SWITCH, TACTILE (-)					C202	1-137-374-11	FILM	0.047uF	5%	50V	
S408	1-762-751-11	SWITCH, TACTILE (BASS CONTROL MODE)					C203	1-126-923-11	ELECT	220uF	20%	10V	
S409	1-762-751-11	SWITCH, TACTILE (TREBLE CONTROL MODE)					C204	1-126-964-11	ELECT	10uF	20%	50V	
S410	1-762-751-11	SWITCH, TACTILE (CENTER CONTROL MODE)					C205	1-126-964-11	ELECT	10uF	20%	50V	
S411	1-762-751-11	SWITCH, TACTILE (REAR CONTROL MODE)					C206	1-126-964-11	ELECT	10uF	20%	50V	
S412	1-762-751-11	SWITCH, TACTILE (DBFB ON/OFF)					C207	1-126-964-11	ELECT	10uF	20%	50V	
S413	1-762-751-11	SWITCH, TACTILE (1 ROCK SOUND FIELD)											
S414	1-762-751-11	SWITCH, TACTILE (2 POPS SOUND FIELD)											
S415	1-762-751-11	SWITCH, TACTILE (3 CLASSIC SOUND FIELD)											
S416	1-762-751-11	SWITCH, TACTILE (4 MOVIE SOUND FIELD)											
S417	1-762-751-11	SWITCH, TACTILE (5 GAME SOUND FIELD)											
S418	1-762-751-11	SWITCH, TACTILE (PHONE)											

MAIN

Ref. No.	Part No.	Description			Remark
C208	1-126-963-11	ELECT	4.7uF	20%	50V
C209	1-126-963-11	ELECT	4.7uF	20%	50V
C210	1-126-923-11	ELECT	220uF	20%	10V
C211	1-136-165-00	FILM	0.1uF	5%	50V
C212	1-136-165-00	FILM	0.1uF	5%	50V
C213	1-126-959-11	ELECT	0.47uF	20%	50V
C214	1-126-963-11	ELECT	4.7uF	20%	50V
C215	1-126-959-11	ELECT	0.47uF	20%	50V
C216	1-126-963-11	ELECT	4.7uF	20%	50V
C217	1-124-250-11	ELECT	0.15uF	20%	50V
C218	1-126-962-11	ELECT	3.3uF	20%	50V
C219	1-124-250-11	ELECT	0.15uF	20%	50V
C220	1-124-250-11	ELECT	0.15uF	20%	50V
C221	1-126-962-11	ELECT	3.3uF	20%	50V
C222	1-124-250-11	ELECT	0.15uF	20%	50V
C223	1-126-963-11	ELECT	4.7uF	20%	50V
C224	1-126-959-11	ELECT	0.47uF	20%	50V
C225	1-126-963-11	ELECT	4.7uF	20%	50V
C226	1-126-959-11	ELECT	0.47uF	20%	50V
C227	1-136-165-00	FILM	0.1uF	5%	50V
C228	1-136-165-00	FILM	0.1uF	5%	50V
C229	1-126-967-11	ELECT	47uF	20%	16V
C230	1-136-173-00	FILM	0.47uF	5%	50V
C231	1-126-963-11	ELECT	4.7uF	20%	50V
C232	1-126-933-11	ELECT	100uF	20%	10V
C233	1-162-292-31	CERAMIC	680PF	10%	50V
C234	1-162-291-31	CERAMIC	560PF	10%	50V
C235	1-126-967-11	ELECT	47uF	20%	50V
C236	1-164-159-11	CERAMIC	0.1uF		50V
C237	1-164-159-11	CERAMIC	0.1uF		50V
C238	1-164-159-11	CERAMIC	0.1uF		50V
C239	1-126-961-11	ELECT	2.2uF	20%	50V
C240	1-126-923-11	ELECT	220uF	20%	10V
C241	1-124-252-00	ELECT	0.33uF	20%	50V
C242	1-126-923-11	ELECT	220uF	20%	10V
C243	1-126-963-11	ELECT	4.7uF	20%	50V
C244	1-126-964-11	ELECT	10uF	20%	50V
C245	1-126-964-11	ELECT	10uF	20%	50V
C246	1-126-959-11	ELECT	0.47uF	20%	50V
C247	1-130-494-11	MYLAR	0.082uF	5%	50V
C248	1-137-367-11	FILM	0.0033uF	5%	50V
C249	1-130-494-11	MYLAR	0.082uF	5%	50V
C250	1-126-923-11	ELECT	220uF	20%	10V
C251	1-164-159-11	CERAMIC	0.1uF		50V
C252	1-164-159-11	CERAMIC	0.1uF		50V
C253	1-164-159-11	CERAMIC	0.1uF		50V
C254	1-164-159-11	CERAMIC	0.1uF		50V
C301	1-126-933-11	ELECT	100uF	20%	10V
C302	1-164-159-11	CERAMIC	0.1uF		50V
C303	1-128-551-11	ELECT	22uF	20%	25V
C304	1-137-367-11	FILM	0.0033uF	5%	50V
C305	1-137-367-11	FILM	0.0033uF	5%	50V
C306	1-126-963-11	ELECT	4.7uF	20%	50V
C309	1-126-963-11	ELECT	4.7uF	20%	50V
C310	1-128-551-11	ELECT	22uF	20%	25V
C311	1-126-963-11	ELECT	4.7uF	20%	50V
C312	1-126-963-11	ELECT	4.7uF	20%	50V

Ref. No.	Part No.	Description			Remark
C313	1-136-165-00	FILM	0.1uF	5%	50V
C314	1-136-165-00	FILM	0.1uF	5%	50V
C315	1-136-165-00	FILM	0.1uF	5%	50V
C316	1-136-165-00	FILM	0.1uF	5%	50V
C317	1-136-169-00	FILM	0.22uF	5%	50V
C318	1-136-169-00	FILM	0.22uF	5%	50V
C319	1-136-169-00	FILM	0.22uF	5%	50V
C320	1-126-959-11	ELECT	0.47uF	20%	50V
C321	1-136-169-00	FILM	0.22uF	5%	50V
C322	1-136-169-00	FILM	0.22uF	5%	50V
C323	1-136-169-00	FILM	0.22uF	5%	50V
C324	1-126-959-11	ELECT	0.47uF	20%	50V
C325	1-126-959-11	ELECT	0.47uF	20%	50V
C326	1-126-959-11	ELECT	0.47uF	20%	50V
C327	1-126-963-11	ELECT	4.7uF	20%	50V
C328	1-126-963-11	ELECT	4.7uF	20%	50V
C329	1-126-967-11	ELECT	47uF	20%	16V
C501	1-164-159-11	CERAMIC	0.1uF		50V
C502	1-162-286-31	CERAMIC	220PF	10%	50V
C503	1-162-286-31	CERAMIC	220PF	10%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-126-933-11	ELECT	100uF	20%	10V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C610	1-126-967-11	ELECT	47uF	20%	16V
C611	1-137-372-11	FILM	0.022uF	5%	50V
C620	1-162-286-31	CERAMIC	220PF	10%	50V
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C653	1-126-933-11	ELECT	100uF	20%	10V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C660	1-126-967-11	ELECT	47uF	20%	16V
C661	1-137-372-11	FILM	0.022uF	5%	50V
C670	1-162-286-31	CERAMIC	220PF	10%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-126-933-11	ELECT	100uF	20%	10V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C710	1-126-967-11	ELECT	47uF	20%	16V
C711	1-137-372-11	FILM	0.022uF	5%	50V
C720	1-162-286-31	CERAMIC	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-965-11	ELECT	22uF	20%	50V
C740	1-128-576-11	ELECT	100uF	20%	63V
C741	1-128-576-11	ELECT	100uF	20%	63V
C742	1-126-923-11	ELECT	220uF	20%	10V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-126-933-11	ELECT	100uF	20%	10V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C760	1-126-967-11	ELECT	47uF	20%	16V
C761	1-137-372-11	FILM	0.022uF	5%	50V
C770	1-162-286-31	CERAMIC	220PF	10%	50V
C771	1-164-159-11	CERAMIC	0.1uF		50V
C772	1-161-494-00	CERAMIC	22000PF	30%	25V
C801	1-126-967-11	ELECT	47uF	20%	50V
C802	1-126-967-11	ELECT	47uF	20%	50V
C803	1-117-781-11	ELECT	8200uF	20%	63V
C804	1-117-781-11	ELECT	8200uF	20%	63V
C805	1-137-397-11	FILM	0.047uF	5%	100V
C806	1-137-397-11	FILM	0.047uF	5%	100V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark
C807	1-126-967-11	ELECT	47uF	20%	16V			< JACK >	
C808	1-126-967-11	ELECT	47uF	20%	16V	J101	1-766-558-41	JACK, PIN 8P	
C809	1-126-960-11	ELECT	1uF	20%	50V			(PHONO, TUNER, CD IN/TAPE REC OUT)	
C810	1-126-960-11	ELECT	1uF	20%	50V	J102	1-766-558-31	JACK, PIN 8P	
C811	1-126-944-11	ELECT	3300uF	20%	25V			(TAPE IN/VIDEO 2, VIDEO 1 AUDIO IN/VIDEO 1 AUDIO OUT)	
C812	1-126-941-11	ELECT	470uF	20%	25V	J103	1-774-785-11	JACK, PIN 1P	
								(MIX AUDIO OUT)	
C813	1-164-088-11	CERAMIC	0.001uF		50V			< COIL >	
C814	1-164-088-11	CERAMIC	0.001uF		50V				
C815	1-126-967-11	ELECT	47uF	20%	50V	L201	1-410-509-11	INDUCTOR 10uH	
C816	1-126-967-11	ELECT	47uF	20%	50V	L202	1-410-509-11	INDUCTOR 10uH	
C818	1-136-165-00	FILM	0.1uF	5%	50V	L601	1-420-872-00	COIL, AIR-CORE	
						L651	1-420-872-00	COIL, AIR-CORE	
C819	1-136-165-00	FILM	0.1uF	5%	50V	L701	1-420-872-00	COIL, AIR-CORE	
		< CONNECTOR >				L751	1-420-872-00	COIL, AIR-CORE	
CN102	1-770-721-11	CONNECTOR, BOARD TO BOARD 4P						< TRANSISTOR >	
* CN501	1-568-839-11	SOCKET, CONNECTOR 23P							
		< DIODE >				Q201	8-729-922-37	TRANSISTOR 2SD2144S	
D610	8-719-987-63	DIODE 1N4148M				Q202	8-729-922-37	TRANSISTOR 2SD2144S	
D710	8-719-987-63	DIODE 1N4148M				Q203	8-729-922-37	TRANSISTOR 2SD2144S	
D711	8-719-987-63	DIODE 1N4148M				Q204	8-729-922-37	TRANSISTOR 2SD2144S	
D721	8-719-815-85	DIODE 1S1585				Q301	8-729-900-36	TRANSISTOR DTC124ES	
D722	8-719-815-85	DIODE 1S1585							
D723	8-719-987-63	DIODE 1N4148M				Q302	8-729-900-36	TRANSISTOR DTC124ES	
D724	8-719-987-63	DIODE 1N4148M				Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D725	8-719-987-63	DIODE 1N4148M				Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
D726	8-719-987-63	DIODE 1N4148M				Q603	8-749-010-25	TRANSISTOR MN2488-OPY-M	
D801	8-719-002-48	DIODE UZL-27H				Q604	8-749-010-26	TRANSISTOR MP1620-OPY-M	
D802	8-719-302-38	DIODE RBV-602-01							
D805	8-719-002-33	DIODE UZL-24L				Q610	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D818	8-719-987-63	DIODE 1N4148M				Q620	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
D820	8-719-024-99	DIODE 11ES2-NTA2B				Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D821	8-719-024-99	DIODE 11ES2-NTA2B				Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
						Q653	8-749-010-25	TRANSISTOR MN2488-OPY-M	
D822	8-719-024-99	DIODE 11ES2-NTA2B							
D823	8-719-024-99	DIODE 11ES2-NTA2B				Q654	8-749-010-26	TRANSISTOR MP1620-OPY-M	
		< GROUND TERMINAL >				Q670	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
* EB901	1-537-738-21	TERMINAL, EARTH				Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
		< IC >				Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
IC101	8-759-805-14	IC LC7822				Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
IC102	8-759-634-50	IC M5218AL				Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
IC201	8-759-442-96	IC LA2786				Q710	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC202	8-759-442-97	IC LV1016				Q711	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC203	8-759-634-50	IC M5218AL				Q720	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
						Q721	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
IC301	8-759-264-31	IC TDA7315							
IC302	8-759-264-31	IC TDA7315				Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
IC303	8-759-634-50	IC M5218AL				Q723	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC701	8-759-326-52	IC uPC2581V				Q740	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
IC702	8-759-326-52	IC uPC2581V				Q741	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
						Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC801	8-759-701-59	IC NJM78M09FA							
IC802	8-759-604-43	IC M5F79M09L				Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
						Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
						Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
						Q770	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
						Q801	8-729-030-19	TRANSISTOR 2SB1640	
						Q802	8-729-209-15	TRANSISTOR 2SD2012	
						Q803	8-729-119-78	TRANSISTOR 2SC2785-HFE	

MAIN

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark	
< RESISTOR >							R225	1-249-421-11	CARBON	2.2K	5%	1/4W	F	
R101	1-249-417-11	CARBON	1K	5%	1/4W	F	R226	1-249-411-11	CARBON	330	5%	1/4W	F	
	1-249-417-11	CARBON	1K	5%	1/4W	F	R227	1-249-417-11	CARBON	1K	5%	1/4W	F	
	1-249-425-11	CARBON	4.7K	5%	1/4W	F	R301	1-249-429-11	CARBON	10K	5%	1/4W		
	1-249-417-11	CARBON	1K	5%	1/4W	F	R302	1-249-429-11	CARBON	10K	5%	1/4W		
	1-249-417-11	CARBON	1K	5%	1/4W	F	R303	1-249-429-11	CARBON	10K	5%	1/4W		
R106	1-249-417-11	CARBON	1K	5%	1/4W	F		R304	1-249-426-11	CARBON	5.6K	5%	1/4W	
R107	1-249-417-11	CARBON	1K	5%	1/4W	F		R305	1-249-426-11	CARBON	5.6K	5%	1/4W	
R108	1-249-417-11	CARBON	1K	5%	1/4W	F		R306	1-249-432-11	CARBON	18K	5%	1/4W	
R109	1-249-427-11	CARBON	6.8K	5%	1/4W	F		R307	1-249-421-11	CARBON	2.2K	5%	1/4W	
R110	1-249-437-11	CARBON	47K	5%	1/4W		R308	1-249-441-11	CARBON	100K	5%	1/4W		
R111	1-249-415-11	CARBON	680	5%	1/4W	F		R309	1-247-883-00	CARBON	150K	5%	1/4W	
	1-247-897-11	CARBON	560K	5%	1/4W			R310	1-249-421-11	CARBON	2.2K	5%	1/4W	
	1-249-437-11	CARBON	47K	5%	1/4W			R311	1-249-432-11	CARBON	18K	5%	1/4W	
	1-249-409-11	CARBON	220	5%	1/4W	F		R312	1-249-421-11	CARBON	2.2K	5%	1/4W	
	1-249-441-11	CARBON	100K	5%	1/4W		R313	1-249-441-11	CARBON	100K	5%	1/4W		
R116	1-249-425-11	CARBON	4.7K	5%	1/4W	F		R314	1-247-883-00	CARBON	150K	5%	1/4W	
	1-249-417-11	CARBON	1K	5%	1/4W	F		R315	1-249-421-11	CARBON	2.2K	5%	1/4W	
	1-249-417-11	CARBON	1K	5%	1/4W	F		R501	1-247-807-31	CARBON	100	5%	1/4W	
	1-249-425-11	CARBON	4.7K	5%	1/4W	F		R502	1-247-807-31	CARBON	100	5%	1/4W	
	1-249-417-11	CARBON	1K	5%	1/4W	F	R503	1-247-807-31	CARBON	100	5%	1/4W		
R155	1-249-417-11	CARBON	1K	5%	1/4W	F		R504	1-249-421-11	CARBON	2.2K	5%	1/4W	F
	1-249-417-11	CARBON	1K	5%	1/4W	F		R505	1-249-418-11	CARBON	1.2K	5%	1/4W	F
	1-249-417-11	CARBON	1K	5%	1/4W	F		R506	1-249-418-11	CARBON	1.2K	5%	1/4W	F
	1-249-417-11	CARBON	1K	5%	1/4W	F		R507	1-249-418-11	CARBON	1.2K	5%	1/4W	F
	1-249-427-11	CARBON	6.8K	5%	1/4W	F	R601	1-249-417-11	CARBON	1K	5%	1/4W	F	
R160	1-249-437-11	CARBON	47K	5%	1/4W			R602	1-249-439-11	CARBON	68K	5%	1/4W	
	1-249-415-11	CARBON	680	5%	1/4W	F		R603	1-249-413-11	CARBON	470	5%	1/4W	F
	1-247-897-11	CARBON	560K	5%	1/4W			R604	1-249-439-11	CARBON	68K	5%	1/4W	
	1-249-437-11	CARBON	47K	5%	1/4W			R610	1-249-421-11	CARBON	2.2K	5%	1/4W	F
	1-249-409-11	CARBON	220	5%	1/4W	F	R611	1-249-437-11	CARBON	47K	5%	1/4W		
R165	1-249-441-11	CARBON	100K	5%	1/4W			R613	1-249-414-11	CARBON	560	5%	1/4W	F
	1-249-417-11	CARBON	1K	5%	1/4W	F		△ R614	1-249-408-11	CARBON	180	5%	1/4W	F
	1-249-417-11	CARBON	1K	5%	1/4W	F		△ R615	1-249-408-11	CARBON	180	5%	1/4W	F
	1-249-417-11	CARBON	1K	5%	1/4W	F		△ R616	1-233-352-41	ENCAPSULATED COMPONENT				
	1-249-427-11	CARBON	6.8K	5%	1/4W	F	△ R617	1-249-393-11	CARBON	10	5%	1/4W	F	
R205	1-249-431-11	CARBON	15K	5%	1/4W		R618	1-249-389-11	CARBON	4.7	5%	1/4W	F	
	1-249-436-11	CARBON	39K	5%	1/4W		R620	1-249-419-11	CARBON	1.5K	5%	1/4W	F	
	1-247-903-00	CARBON	1M	5%	1/4W		R621	1-249-427-11	CARBON	6.8K	5%	1/4W	F	
	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R623	1-249-437-11	CARBON	47K	5%	1/4W		
	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R630	1-249-429-11	CARBON	10K	5%	1/4W		
R210	1-249-437-11	CARBON	47K	5%	1/4W			R631	1-249-433-11	CARBON	22K	5%	1/4W	
	1-249-437-11	CARBON	47K	5%	1/4W			R651	1-249-417-11	CARBON	1K	5%	1/4W	F
	1-249-425-11	CARBON	4.7K	5%	1/4W	F		R652	1-249-439-11	CARBON	68K	5%	1/4W	
	1-249-425-11	CARBON	4.7K	5%	1/4W	F		R653	1-249-413-11	CARBON	470	5%	1/4W	F
	1-249-441-11	CARBON	100K	5%	1/4W		R654	1-249-439-11	CARBON	68K	5%	1/4W		
R215	1-249-441-11	CARBON	100K	5%	1/4W			R660	1-249-421-11	CARBON	2.2K	5%	1/4W	F
	1-249-425-11	CARBON	4.7K	5%	1/4W	F		R661	1-249-437-11	CARBON	47K	5%	1/4W	
	1-249-425-11	CARBON	4.7K	5%	1/4W	F		R663	1-249-414-11	CARBON	560	5%	1/4W	F
	1-249-441-11	CARBON	100K	5%	1/4W			△ R664	1-249-408-11	CARBON	180	5%	1/4W	F
	1-249-441-11	CARBON	100K	5%	1/4W		△ R665	1-249-408-11	CARBON	180	5%	1/4W	F	
R220	1-249-425-11	CARBON	4.7K	5%	1/4W	F	△ R666	1-233-352-41	ENCAPSULATED COMPONENT					
	1-249-425-11	CARBON	4.7K	5%	1/4W	F	△ R667	1-249-393-11	CARBON	10	5%	1/4W	F	
	1-249-429-11	CARBON	10K	5%	1/4W		R668	1-249-389-11	CARBON	4.7	5%	1/4W	F	
	1-249-429-11	CARBON	10K	5%	1/4W		R670	1-249-419-11	CARBON	1.5K	5%	1/4W	F	
	1-249-421-11	CARBON	2.2K	5%	1/4W	F	R671	1-249-427-11	CARBON	6.8K	5%	1/4W	F	
						R673		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.

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

REAR SP

T-1

T-2

VR

Ref. No.	Part No.	Description	Remark
*	1-664-984-11	REAR SP BOARD *****	
		< CONNECTOR >	
CN103	1-770-725-11	CONNECTOR, BOARD TO BOARD 4P	
		< TERMINAL >	
TM701	1-537-240-11	TERMINAL BOARD (CHECKER PIN) (REAR SPEAKERS)	

*	1-664-987-11	T-1 BOARD *****	
	1-533-217-31	HOLDER, FUSE	
	1-533-293-11	FUSE HOLDER	
		< FUSE >	
△ F901	1-576-109-11	FUSE 5A 125V	
		<TRANSFORMER>	
△ T901	1-431-206-11	TRANSFORMER, POWER	

*	1-664-988-11	T-2 BOARD *****	
		< CAPACITOR >	
C817	1-136-165-00	FILM 0.1uF 5% 50V	
		< CONNECTOR >	
CN902	1-691-772-11	PLUG (MICRO CONNECTOR) 10P	
		< RESISTOR >	
△ R810	1-249-447-11	CARBON 1 5% 1/4W	
△ R811	1-249-447-11	CARBON 1 5% 1/4W	

*	1-664-989-11	VR BOARD *****	
		< CONNECTOR >	
CN404	1-750-185-11	CONNECTOR, BOARD TO BOARD 4P	
		< VARIABLE RESISTOR >	
RV401	1-473-392-11	ENCODER, ROTARY (MASTER VOLUME)	

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
67	1-769-867-11	WIRE (FLAT TYPE) (5 CORE)	
68	1-773-183-11	WIRE (FLAT TYPE) (23 CORE)	
△ CNP901	1-690-609-21	CORD, POWER	
FL401	1-517-512-11	INDICATOR TUBE, FLUORESCENT	
Q603	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q604	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q653	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q654	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
△ T901	1-431-206-11	TRANSFORMER, POWER	

		ACCESSORIES & PACKING MATERIALS *****	
	1-475-107-11	REMOTE COMMANDER (RM-U675)	
	3-859-326-11	MANUAL, INSTRUCTION (ENGLISH)	
	4-983-537-01	COVER, BATTERY (for RM-U675)	

		***** HARDWARE LIST *****	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 TT(B)	
#2	7-685-650-91	SCREW +BVTP 3X16 TYPE2 TT(B)	
#3	7-685-880-09	SCREW +BVTT 4X6 (S)	

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