

TA-FB740R

SERVICE MANUAL

AEP Model
UK Model
E Model
Australian Model



SPECIFICATIONS

Amplifier section

DIN power output

100 W + 100 W (4 Ω at 1 kHz)
60 W + 60 W (8 Ω at 1 kHz)

Total harmonic distortion

Less than 0.008% (at 10 W output 1 kHz)

Frequency response

PHONO (20 Hz - 20 kHz): RIAA equalization curve
 ± 0.5 dB
TUNER, SACD/CD, AUX, TAPE1/DAT, TAPE2/MD:
7 Hz - 300 kHz ± 3 dB

S/N (network A)

PHONO
90 dB
TUNER, SACD/CD, AUX, TAPE1/DAT, TAPE2/MD:
105 dB

Output voltage/impedance

REC OUT 1, 2: 150 mV, 1 k Ω
PHONES: 10 mW (at 8 Ω)

Speakers impedance

4 - 16 Ω , 8 - 16 Ω (SPEAKERS A+B)

Damping factor

500 (8 Ω , 1 kHz)

General

System

Power amplifier: Pure-complementary SEPP OCL
power amplifier with all stages directly coupled
Preamplifier: Low-noise, equalizer amplifier

Power requirements

230 V AC, 50/60 Hz

Power consumption

180 W

Dimensions (approx.) (w/h/d)

430 $\times$ 150 $\times$ 420 mm
incl. projecting parts and controls

Mass (approx.)

8.6 kg

Supplied accessories

- Remote commander (remote) (1) RM-S336
- Sony batteries R6 (size-AA) (2)

Design and specifications are subject to change without notice.

INTEGRATED STEREO AMPLIFIER

SONY®

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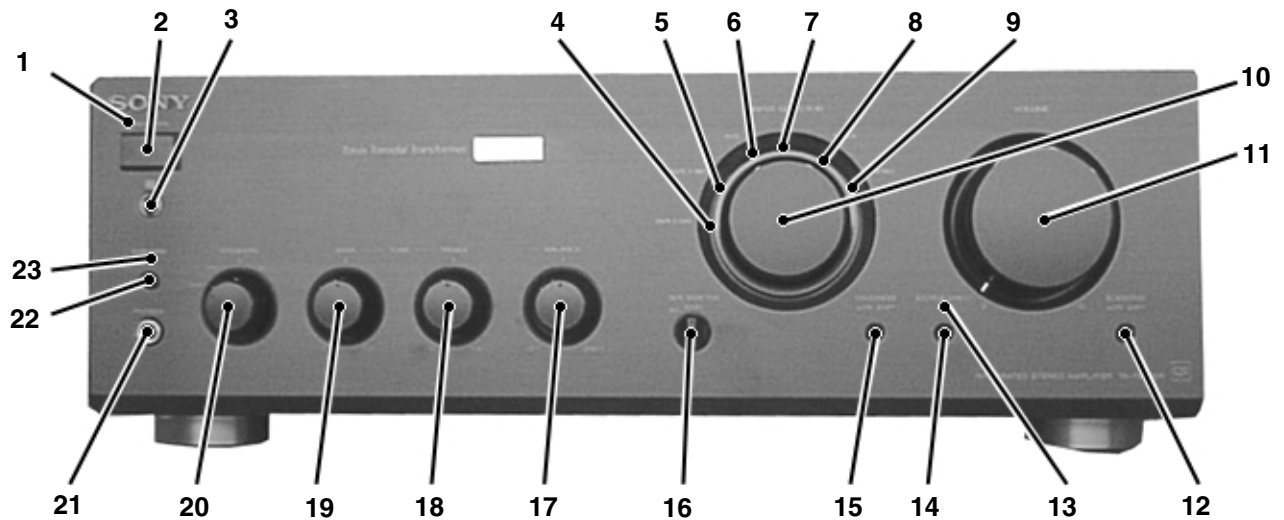
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SAFETY-RELATED COMPONENT WARNING !!

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.

SECTION 1 GENERAL

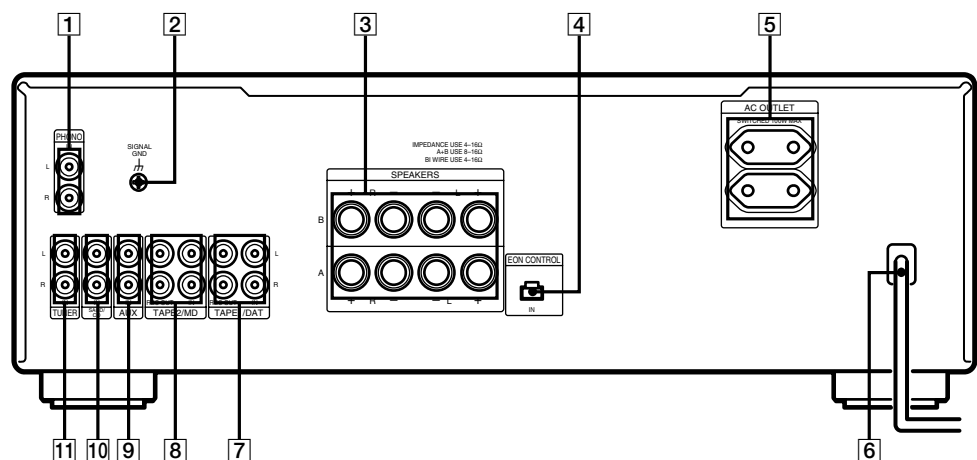
Front Panel Descriptions



- | | |
|------------------------|---------------------------------------|
| 1 PROTECTION indicator | 13 SOURCE indicator |
| 2 POWER button | 14 SOURCE DIRECT button and indicator |
| 3 Remote sensor | 15 LOUDNESS button |
| 4 TAPE 1/DAT indicator | 16 TAPE MONITOR knob |
| 5 TAPE 2/MD indicator | 17 BALANCE knob |
| 6 AUX indicator | 18 TREBLE knob |
| 7 CD indicator | 19 BASS knob |
| 8 TUNER indicator | 20 SPEAKERS knob |
| 9 PHONO indicator | 21 PHONE jack |
| 10 INPUT SELECTOR knob | 22 EON LINK button |
| 11 VOLUME knob | 23 EON LINK indicator |
| 12 SUBSONIC button | |

This section is extracted from instruction manual.

Rear Panel Descriptions



- | | | | |
|------------------------|----------------------------------|--------------|------------|
| 1 PHONO | 4 EON CONTROL IN | 6 Mains lead | 9 AUX |
| 2 $\hbar$ (SIGNAL GND) | 5 AC OUTLET | 7 TAPE1/DAT | 10 SACD/CD |
| 3 SPEAKERS A/B | (Except UK, Singapore, Malaysia) | 8 TAPE2/MD | 11 TUNER |

SECTION 2 ELECTRICAL ADJUSTMENT

Bias Adjustment

NOTE:

1. Perform the adjustment after the unit has warmed up sufficiently.
2. Perform the bias adjustment if the power transistor has been replaced.

Procedure:

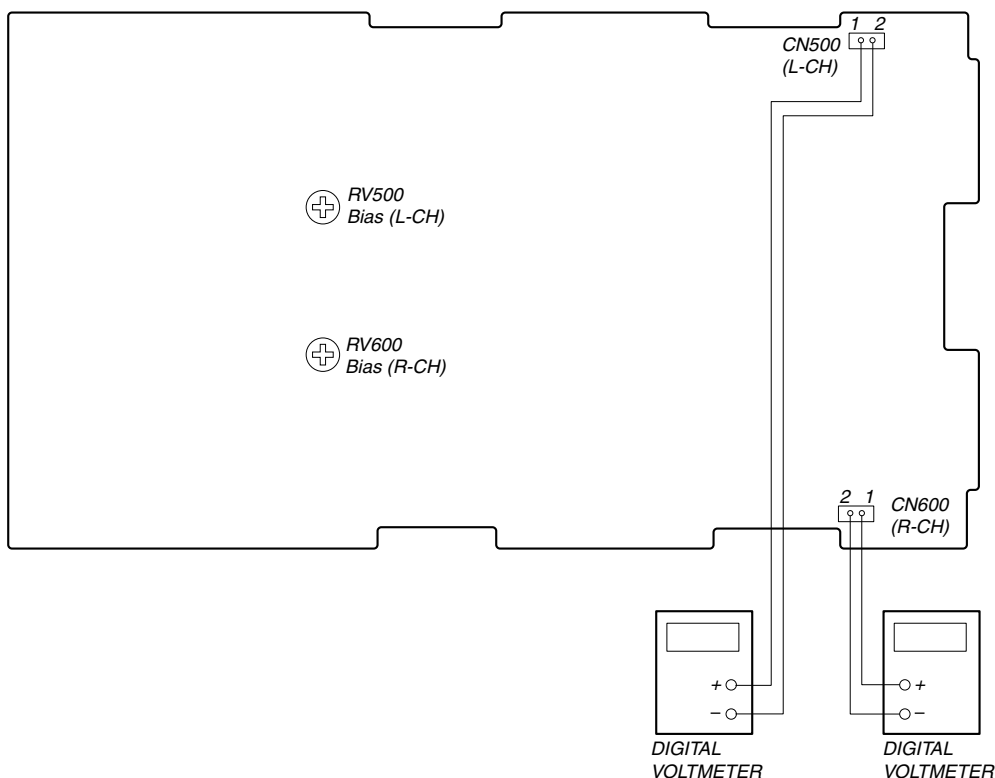
1. Rotate fully the bias adjusting semi-fixed resistors (RV500, RV600) to the MIN position (counterclockwise).
2. Connect a digital voltmeter to the CN500 and CN600.

	1 pin	2 pin
CN500 (L-CH)	+	-
CN600(R-CH)	+	-

3. Set the slide regulator to 0V, and press the **POWER** button (ON) on the set.
4. Raise gradually the slide regulator voltage up to the rated voltage.
5. At this time, confirm that the SP relay is turned on (it will click).
6. Adjust the RV500 and RV600 so that a reading of digital voltmeter is 7 ± 1 mV.
7. Return the slidack to 0 V, and press the **POWER** button (OFF) on the set.

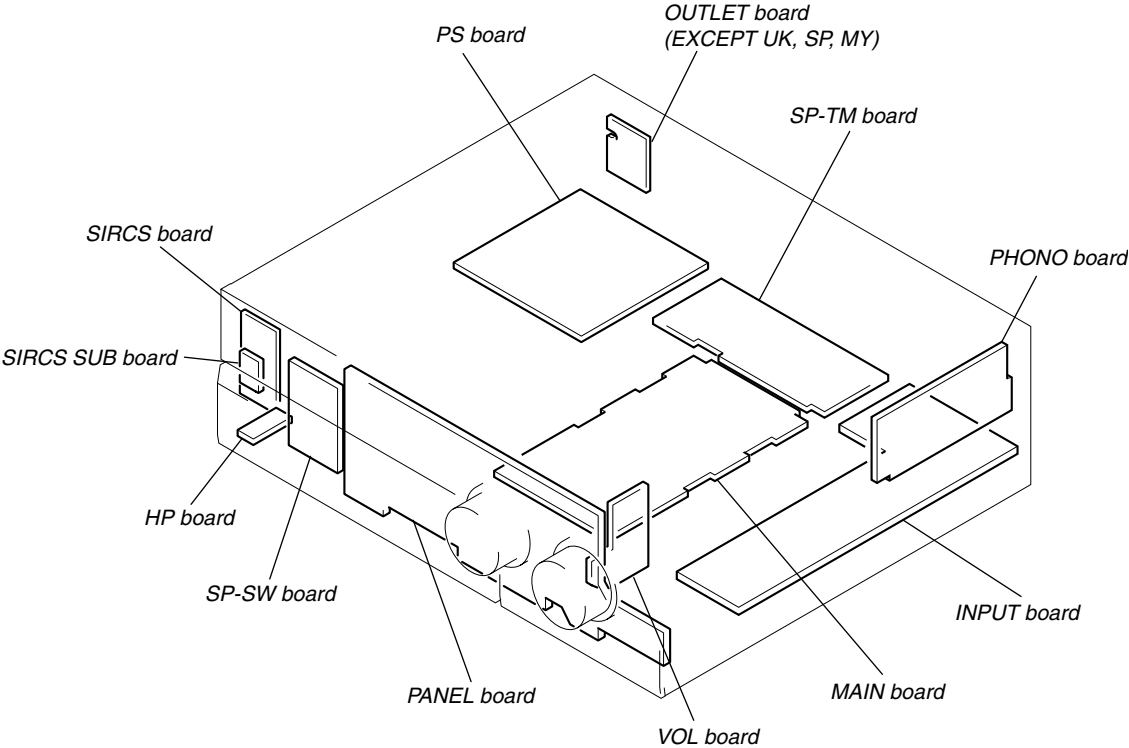
Adjustment Location :

[MAIN BOARD] – COMPONENT SIDE –



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.)

For schematic diagrams.

Note:

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

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

-  : B+ Line.
-  : B- Line.
-  : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
no mark : POWER ON
- 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.
 : TUNER

For printed wiring boards.

Note:

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

Indication of transistor

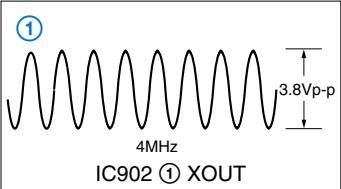


These are omitted

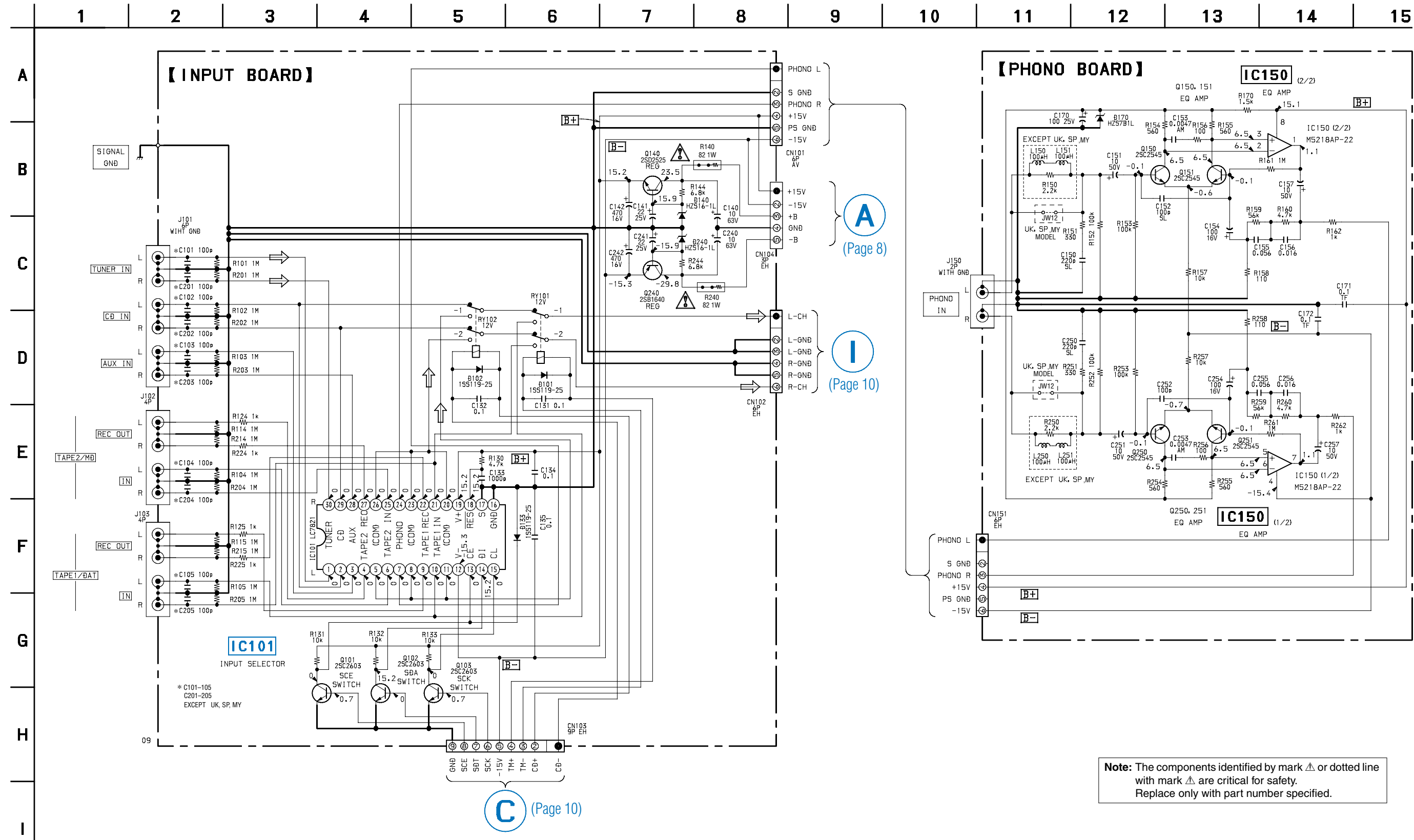
Abbreviation

- G : German model
- SP : Singapore model
- MY : Malaysia model
- AUS : Australian model
- EE : East European model

WAVEFORM



3-2. SCHEMATIC DIAGRAM – INPUT SECTION – • See Page 14 for IC Block Diagrams.

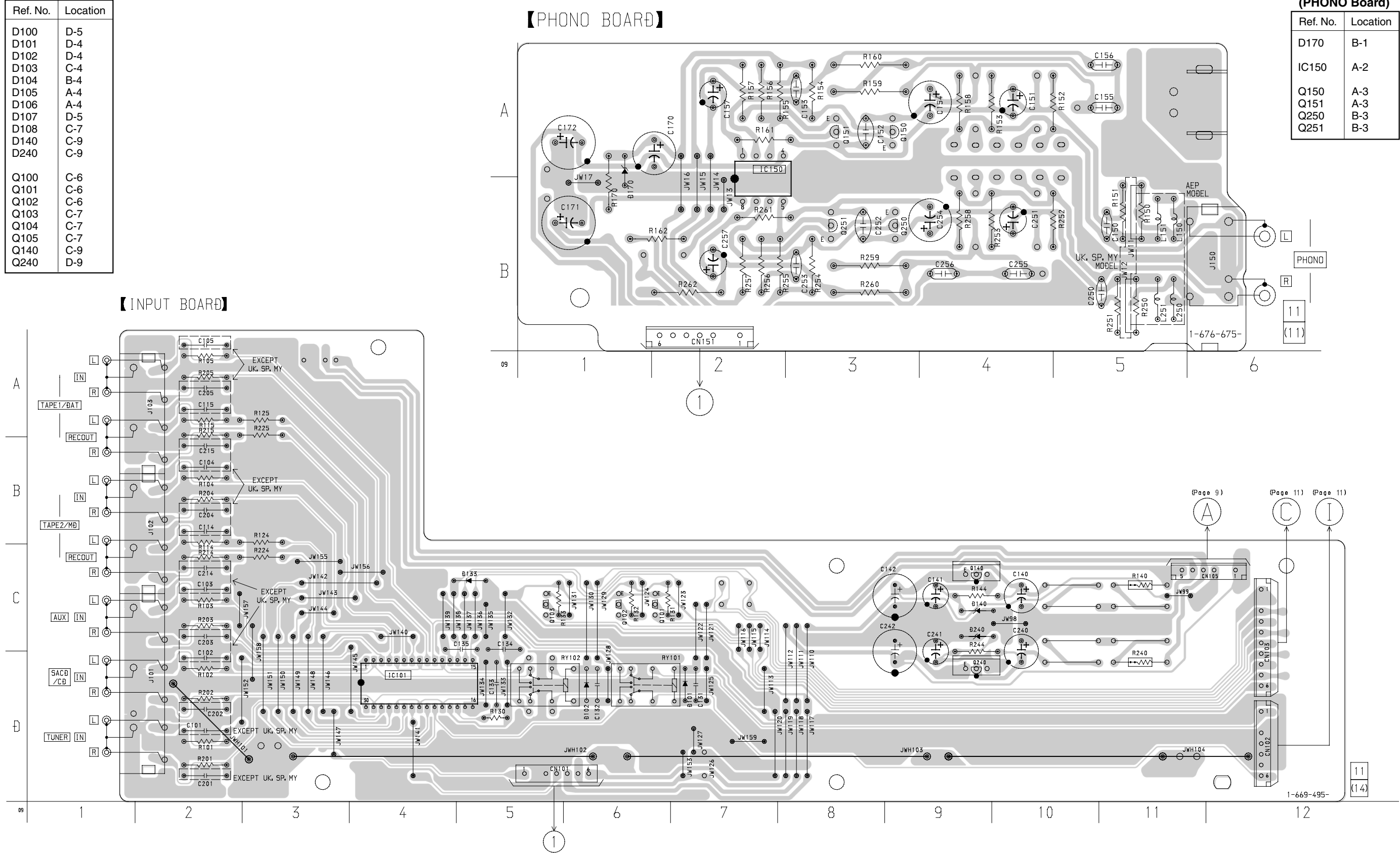


- **Semiconductor Location (INPUT Board)**

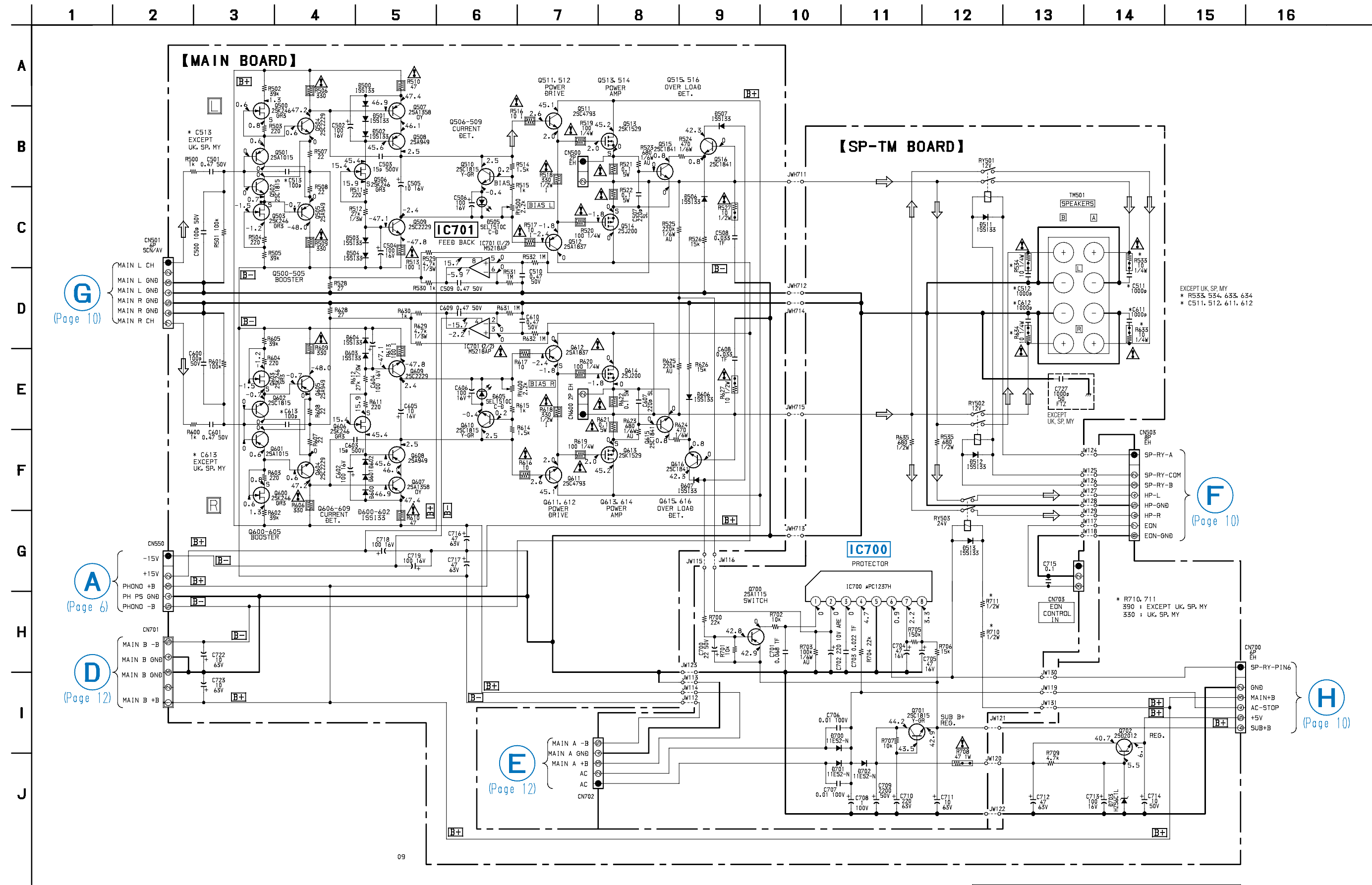
Ref. No.	Location
D100	D-5
D101	D-4
D102	D-4
D103	C-4
D104	B-4
D105	A-4
D106	A-4
D107	D-5
D108	C-7
D140	C-9
D240	C-9
Q100	C-6
Q101	C-6
Q102	C-6
Q103	C-7
Q104	C-7
Q105	C-7
Q140	C-9
Q240	D-9

**Semiconductor
Location
(PHONO Board)**

Ref. No.	Location
D170	B-1
IC150	A-2
Q150	A-3
Q151	A-3
Q250	B-3
Q251	B-3

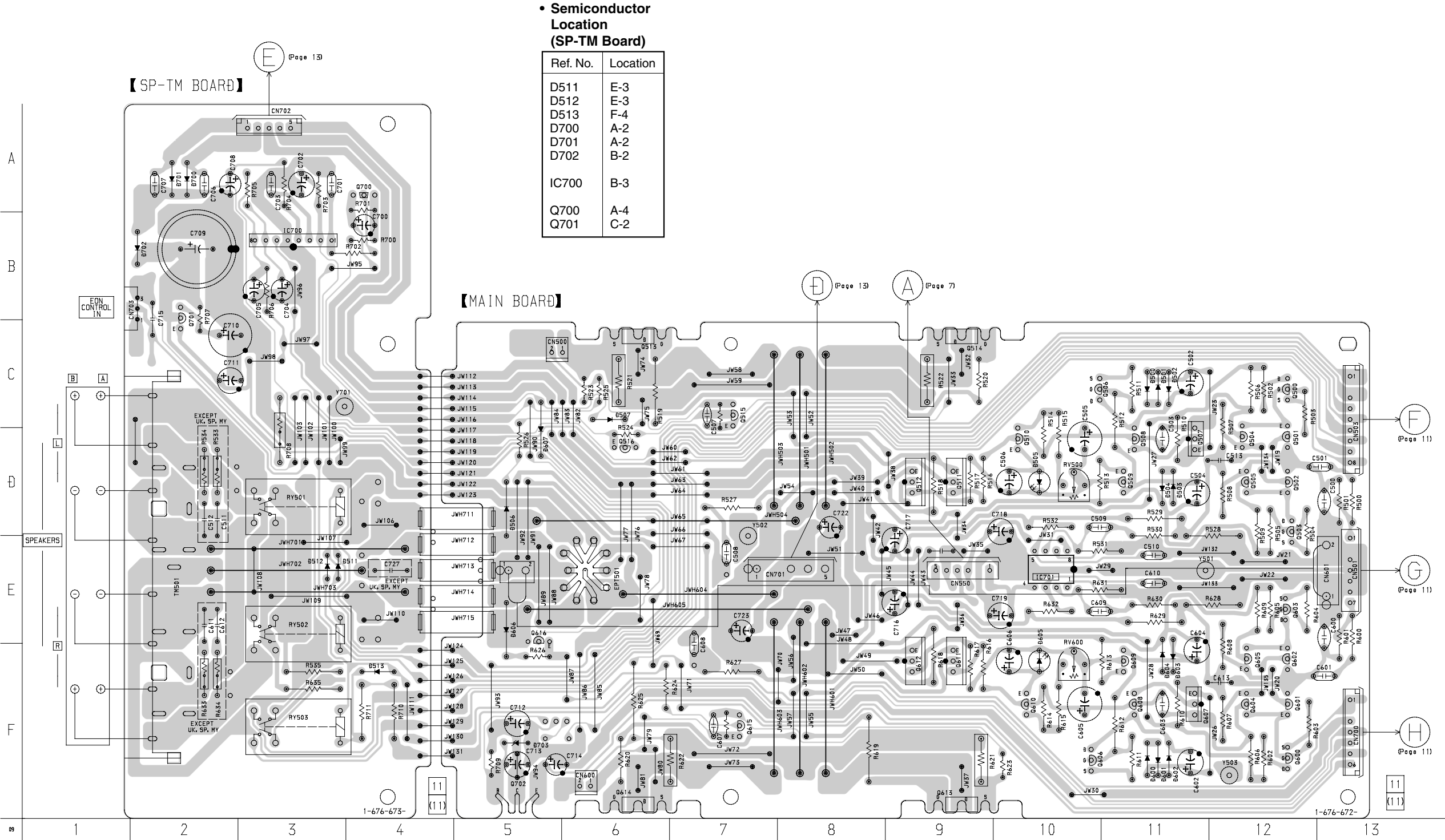


3-4. SCHEMATIC DIAGRAM – MAIN SECTION – • See page 14 for IC Block Diagrams.

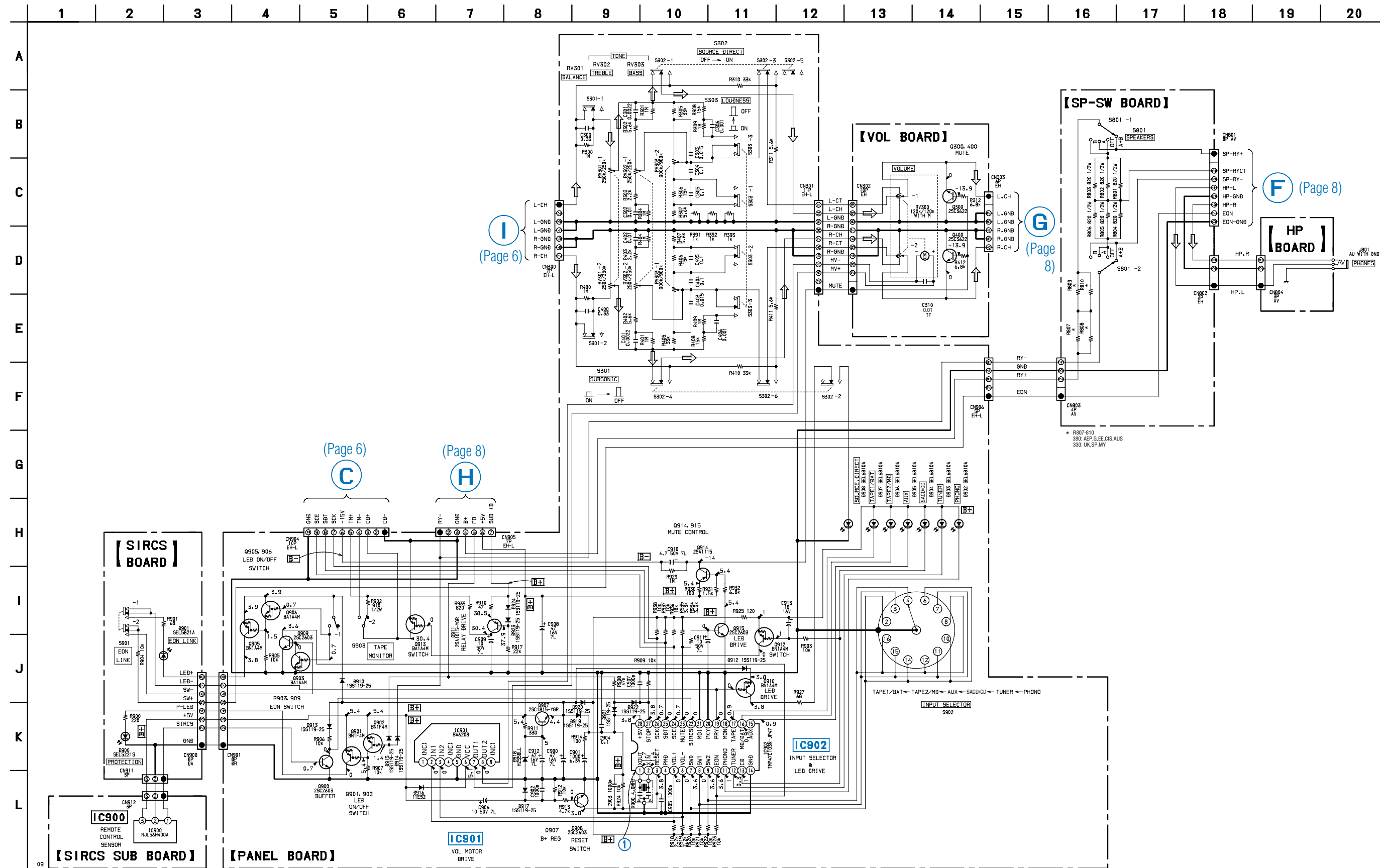


Note: The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

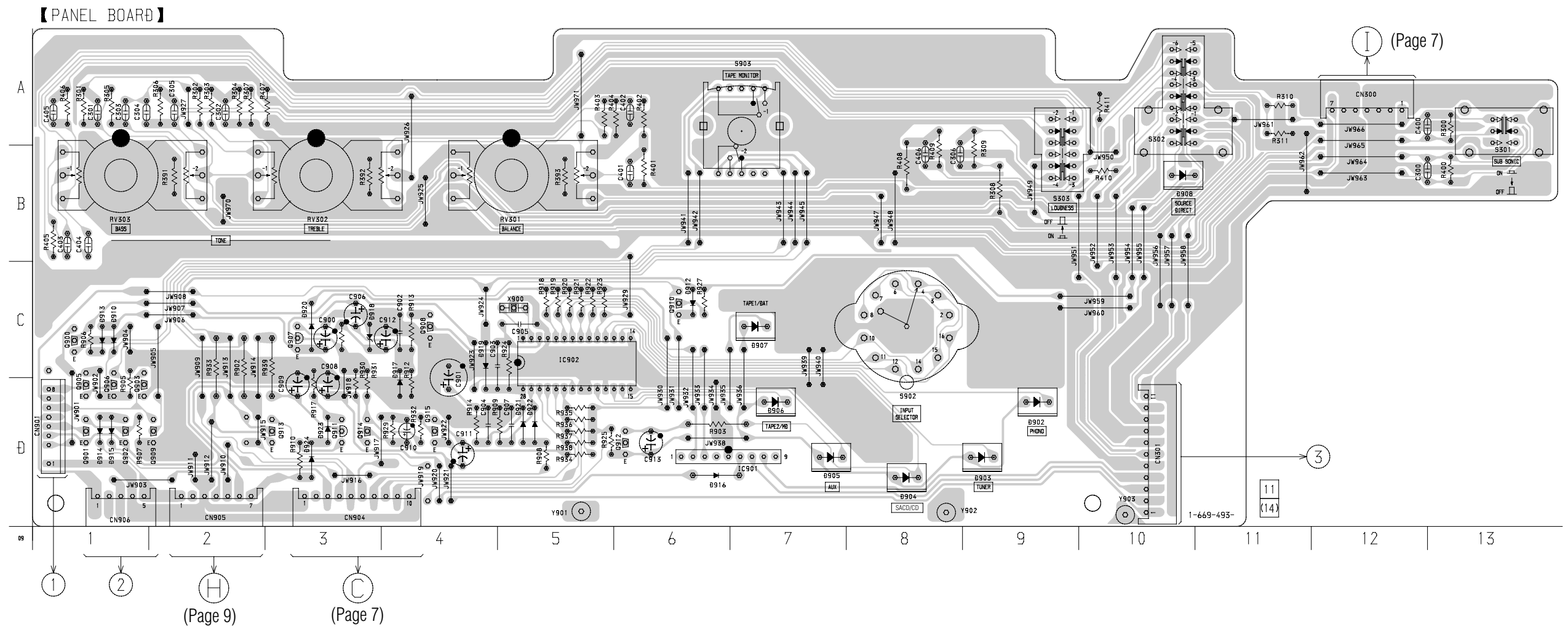
3-5. PRINTED WIRING BOARD – MAIN SECTION – • See page 5 for Circuit Boards Location.



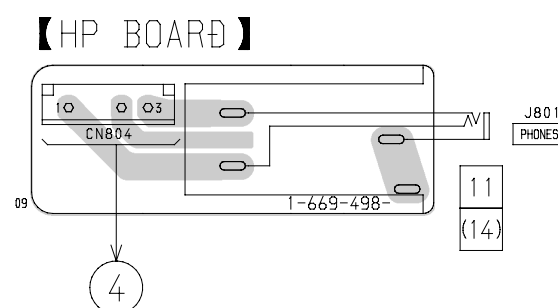
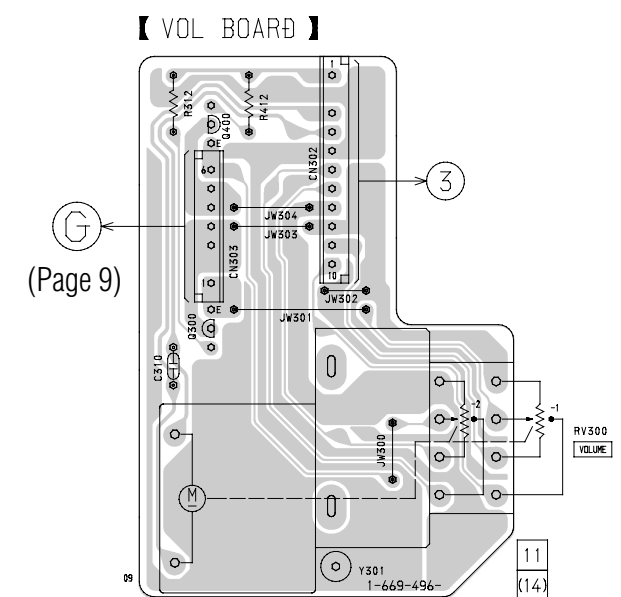
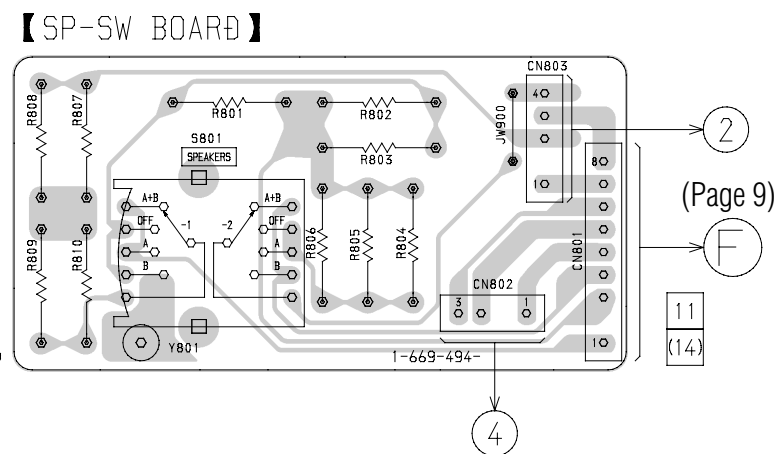
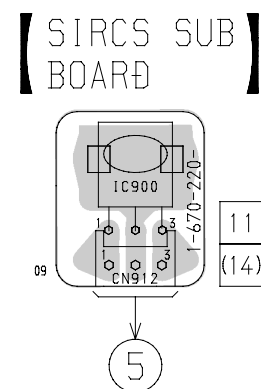
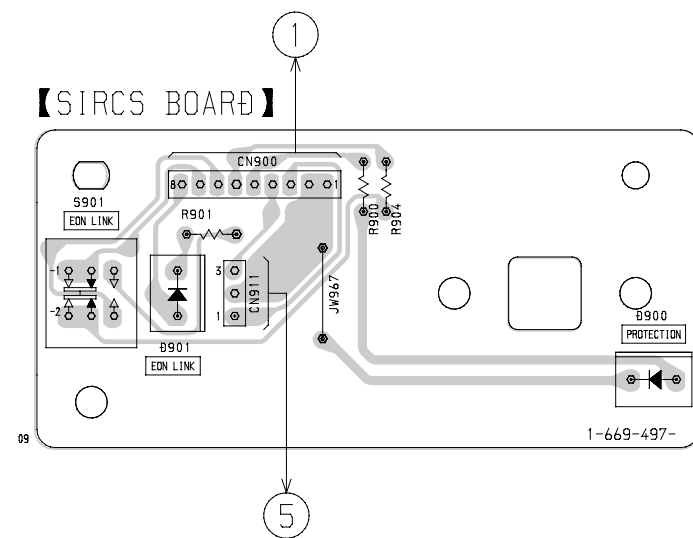
3-6. SCHEMATIC DIAGRAM – PANEL SECTION – • See page 5 for Waveforms. • See page 14 for IC Block Diagram. • See page 14 for IC Pin Function.



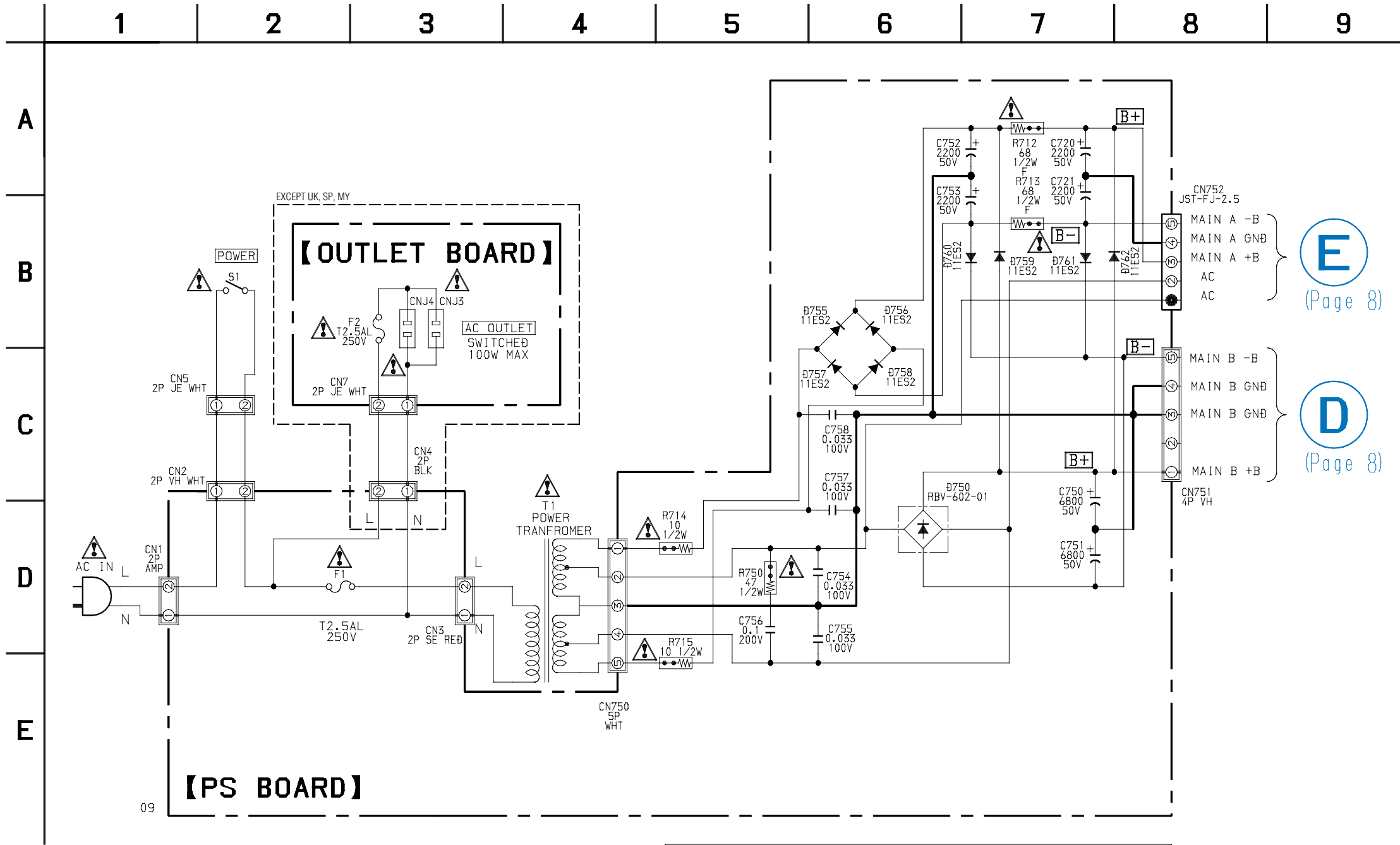
3-7. PRINTED WIRING BOARD – PANEL SECTION – • See page 5 for Circuit Boards Location.



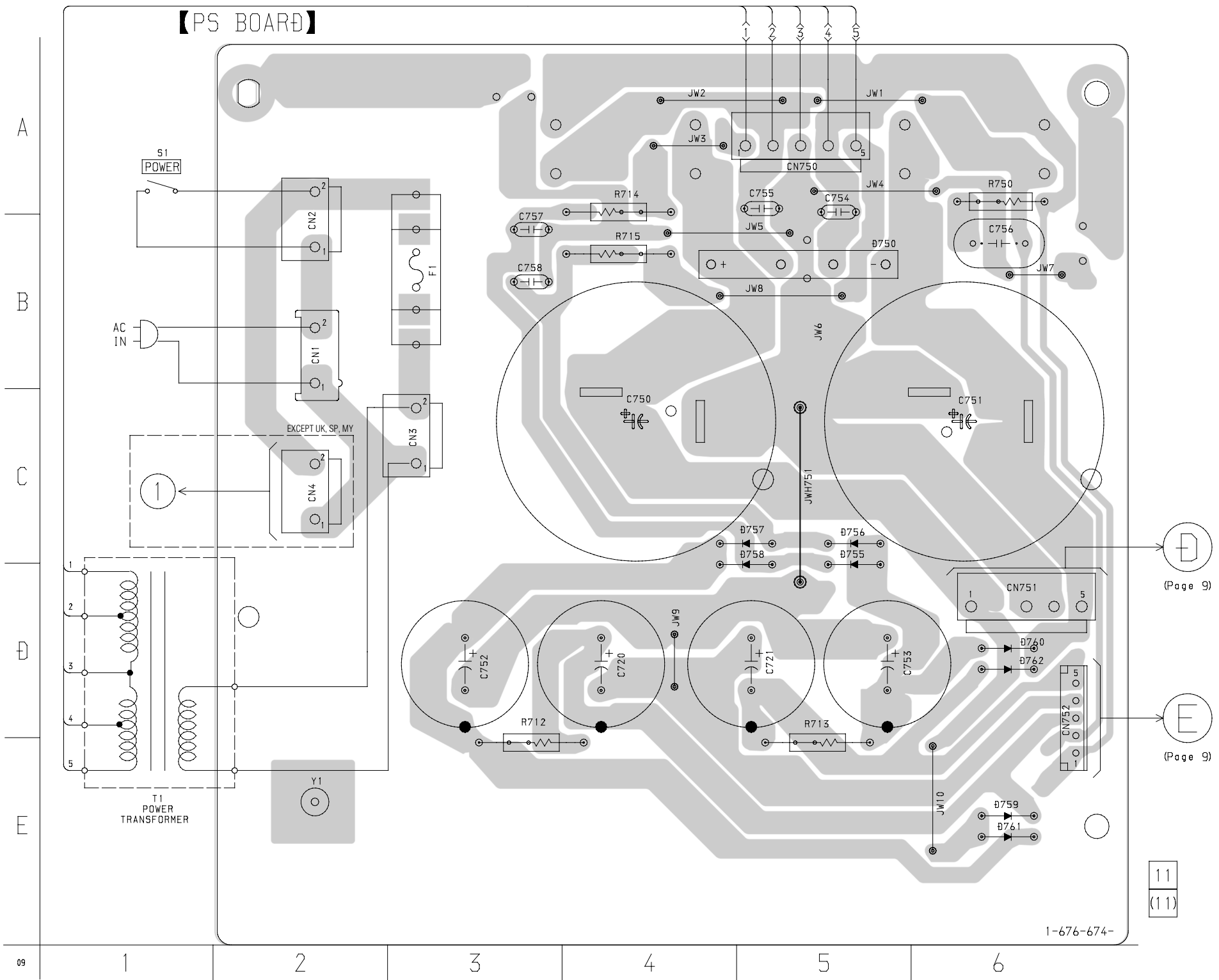
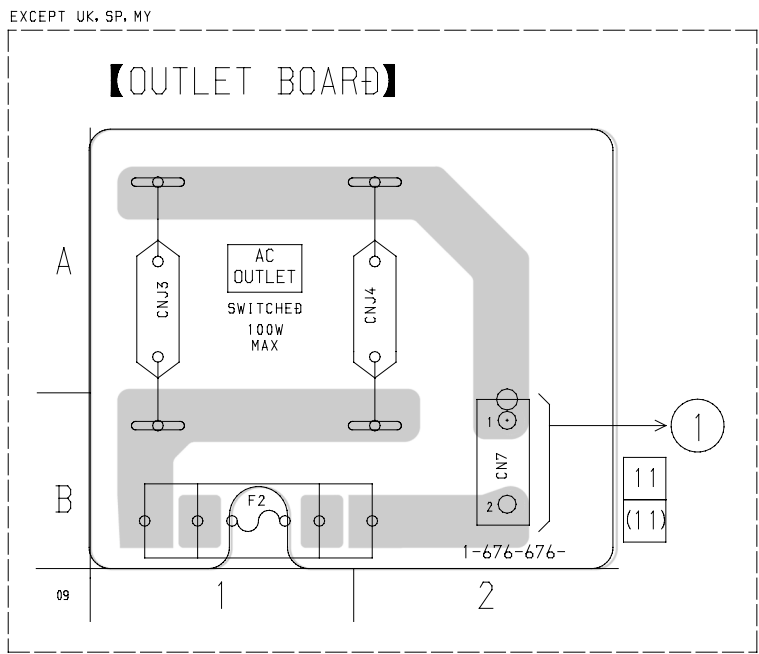
Ref. No.	Location
D902	D-9
D903	D-9
D904	E-8
D905	D-7
D906	D-7
D907	C-7
D908	B-10
D910	C-1
D912	C-6
D913	C-1
D914	D-1
D915	D-1
D916	E-6
D917	D-4
D918	C-3
D919	D-4
D920	C-3
D921	D-5
D922	D-5
D923	D-3
D924	D-3
IC901	D-7
IC902	D-5
Q900	C-1
Q901	D-1
Q902	D-1
Q903	D-1
Q905	D-1
Q906	D-1
Q907	C-3
Q908	C-4
Q909	D-2
Q910	C-6
Q911	D-3
Q912	D-6
Q913	D-3
Q914	D-3
Q915	D-4



3-8. SCHEMATIC DIAGRAM – POWER SECTION –



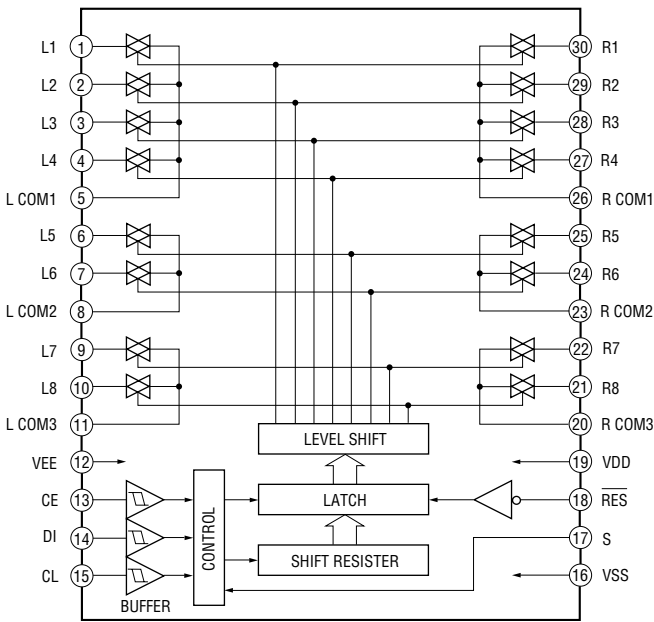
3-9. PRINTED WIRING BOARD – POWER SECTION – • See page 5 for Circuit Boards Location.



3-10. IC BLOCK DIAGRAMS

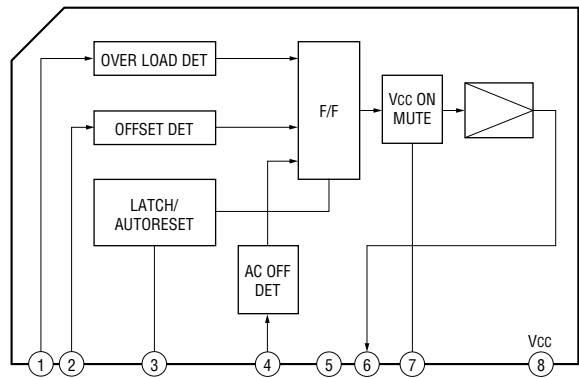
• Input board

IC101 LC7821



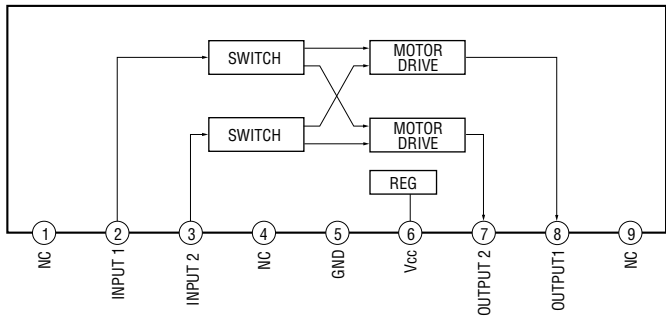
• SP-TM board

IC700 uPC1237HA



• Panel board

IC901 BA6208



3-11. IC PIN FUNCTION

• IC902 Input Control & LED Drive (TMP47C103N-JP47) (PANEL BOARD)

Pin No.	Pin Name	I/O	Function
1	X OUT	O	System clock (4MHz)
2	X IN	I	
3	RESET	I	Reset input
4	PMD	I	Mode select input
5	VOL +	O	Motor drive output (+)
6	VOL -	O	Motor drive output (-)
7	SW 0	I	Rotary switch input (CD)
8	SW 1	I	Rotary switch input (TUNER)
9	SW 2	I	Rotary switch input (PHONO)
10	EON	I	EON signal input
11	PHONO	O	PHONO LED drive output
12	TUNER	O	TUNER LED drive output
13	CD	O	CD LED drive output
14	GND	—	Ground
15	AUX	O	AUX LED drive output
16	MD/DAT	O	TAPE “2” LED drive output
17	TAPE	O	TAPE “1” LED drive output
18	MON	O	MONITOR output
19	PRY	O	Power relay output
20	PKY	I	Power key input
21	MOI	I	MONITOR input
22	SIRCS	I	SIRCS input
23	MUTE	O	Muting output
24	SCE	O	Chip enable output
25	SDT	O	Serial data output
26	SCK	O	Serial clock output
27	STOP	I	STOP input
28	+3V	—	+3V Power supply

SECTION 4 EXPLODED VIEWS

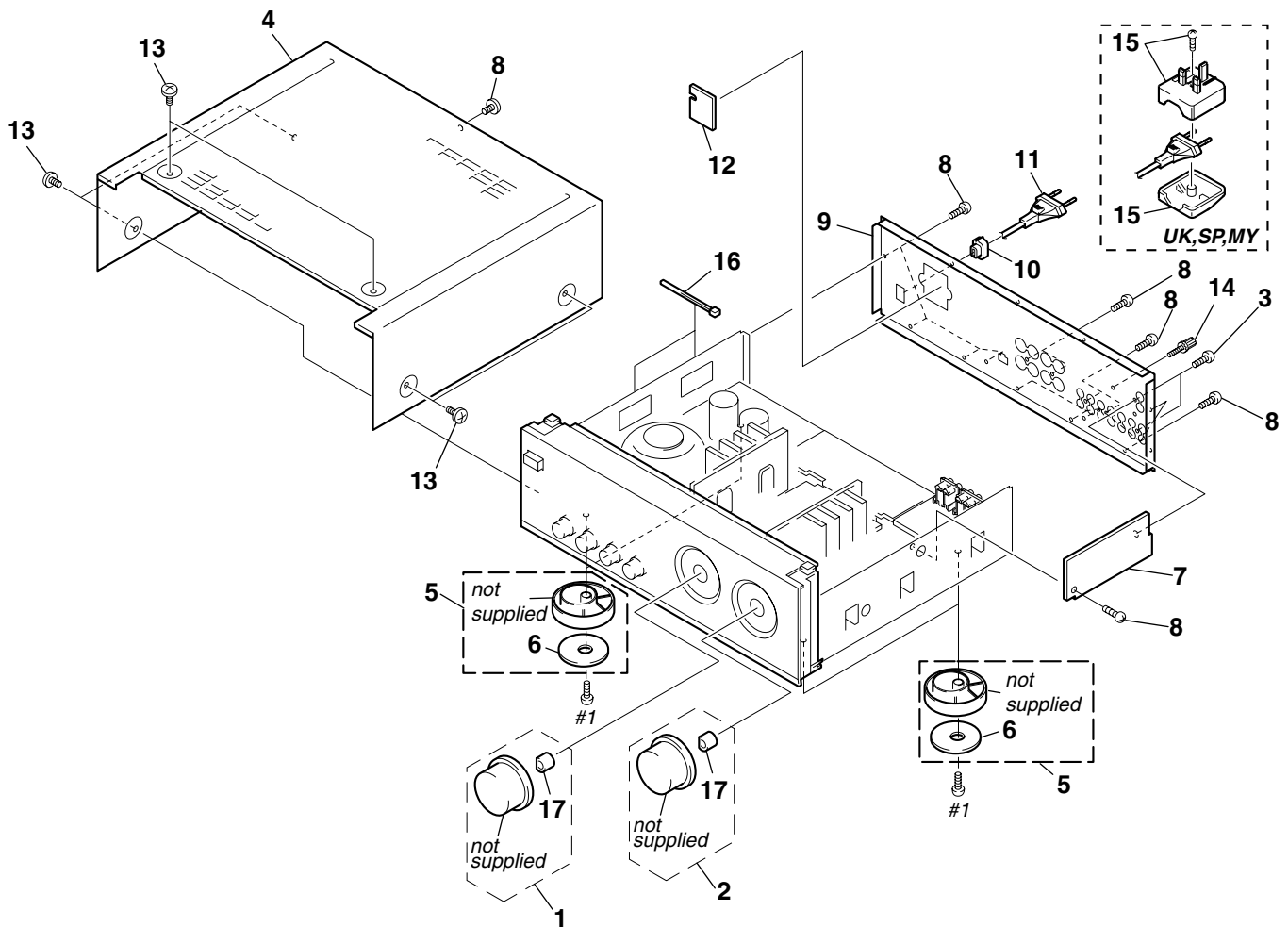
NOTE:

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

- Abbreviation
G : German model
SP : Singapore model
MY : Malaysia model
AUS : Australian model
EE : East European model

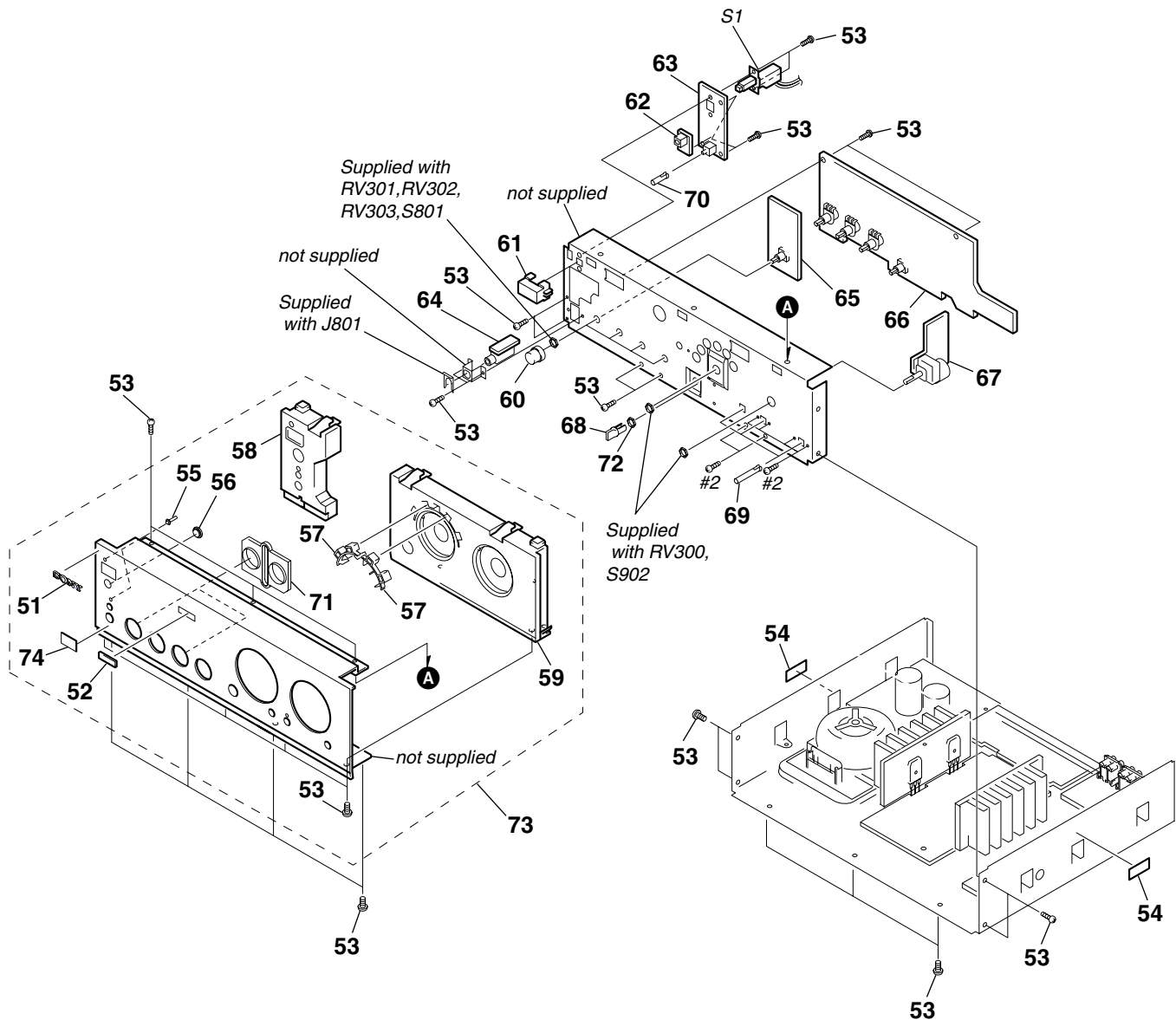
The components identified by mark $\triangle$ or dotted line with mark $\triangle$ are critical for safety. Replace only with part number specified.

4-1. CASE SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-4949-780-1	KNOB (SELECTOR) ASSY		9	4-227-560-41	PANEL, BACK (UK,SP,MY)	
2	X-4949-781-1	KNOB (VOLUME) ASSY		* 10	3-703-244-00	BUSHING (2104), CORD	
3	3-704-515-51	SCREW (BV/RING)		$\triangle$ 11	1-777-185-11	CORD, POWER	
* 4	4-999-439-03	UPPER CASE (413235)		12	1-676-676-11	OUTLET BOARD (EXCEPT UK,SP,MY)	
5	X-4949-760-1	FOOT ASSY		13	4-227-843-01	SCREW (TP), FLAT HEAD (EXCEPT UK,SP,MY)	
6	4-970-124-01	CUSHION (F50180S)		13	4-227-843-21	SCREW (TP), FLAT HEAD (UK,SP,MY)	
7	A-4428-717-A	PHONO BOARD, COMPLETE (EXCEPT UK,SP,MY)		14	4-947-010-01	SCREW, FEEDER FIXED	
7	A-4428-728-A	PHONO BOARD, COMPLETE (UK,SP,MY)		$\triangle$ 15	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK,SP,MY)	
8	4-974-510-01	SCREW (+BV 3X8 CU)		16	3-655-653-21	BAND (TAITON), BINDING	
9	4-227-560-31	PANEL, BACK (EXCEPT UK,SP,MY)		17	3-703-466-00	SPRING (6600)	

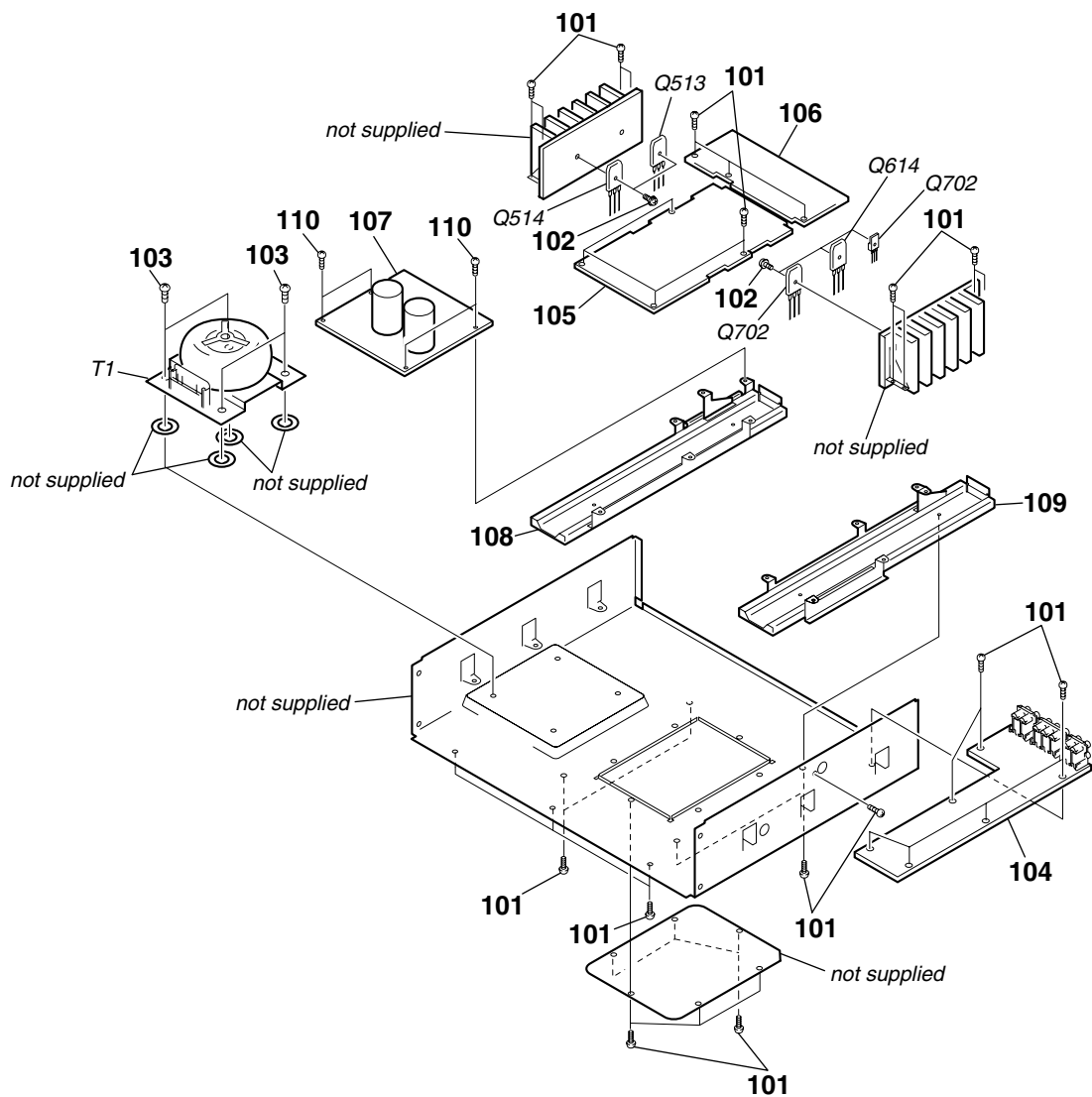
4-2. FRONT PANEL SECTION



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
51	4-942-568-41	EMBLEM (NO.5), SONY		* 64	1-669-498-11	HP BOARD	
52	4-218-232-02	EMBLEM (MOS)		* 65	1-669-494-11	SP-SW BOARD	
53	4-974-510-01	SCREW (+BV 3X8 CU)		66	A-4428-719-A	PANEL BOARD, COMPLETE	
54	4-985-642-01	CUSHION		* 67	1-669-496-11	VOL BOARD	
55	4-999-413-01	INDICATOR (PROTECTION)		68	4-950-189-01	KNOB (A) (VOL)	
56	4-980-776-01	WINDOW, REMOTE CONTROL		69	4-970-146-01	BUTTON	
* 57	4-999-418-01	INDICATOR (SELECTOR)		70	4-980-189-01	KNOB (DIA. 6)	
58	4-999-416-03	BASE (L), PANEL		71	4-999-420-01	ESCUTCHEON (TONE)	
59	4-999-417-03	BASE (R), PANEL		72	4-948-469-11	SPRING, RING	
60	4-999-419-01	KNOB (D23)		73	A-4412-068-A	PANEL ASSY, FRONT	
61	4-917-460-01	KNOB, POWER		74	4-221-138-01	EMBLEM(UK) (UK)	
* 62	1-670-220-11	SIRCS SUB BOARD		△ S1	1-554-920-11	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	
* 63	1-669-497-11	SIRCS BOARD					

4-3. CHASSIS SECTION



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

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	4-974-510-01	SCREW (+BV 3X8 CU)		106	A-4428-726-A	SP-TM BOARD, COMPLETE (UK,SP,MY)	
102	3-905-609-11	SCREW (TRANSISTOR)		107	A-4428-716-A	PSBOARD, COMPLETE (EXCEPT UK,SP,MY)	
103	4-900-386-01	SCREW		107	A-4428-727-A	PSBOARD, COMPLETE (UK,SP,MY)	
104	A-4428-720-A	INPUT BOARD, COMPLETE (EXCEPT UK,SP,MY)		108	X-4950-314-2	BRACKET (RAIL) (L) ASSY	
104	A-4428-729-A	INPUT BOARD, COMPLETE (UK,SP,MY)		109	X-4950-315-2	BRACKET (RAIL) (R) ASSY	
105	A-4428-714-A	MAIN BOARD, COMPLETE (EXCEPT UK,SP,MY)		110	4-211-985-01	SCREW (3X8), PC BOARD FITTING	
105	A-4428-725-A	MAIN BOARD, COMPLETE (UK,SP,MY)		Δ T1	1-435-379-11	TRANSFORMER, POWER (EXCEPT UK,SP,MY)	
106	A-4428-715-A	SP-TM BOARD, COMPLETE (EXCEPT UK,SP,MY)		Δ T1	1-435-380-11	TRANSFORMER, POWER (UK,SP,MY)	

SECTION 5 ELECTRICAL PARTS LIST

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
- Abbreviation
G : German model
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AUS : Australian model
EE : East European model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-669-498-11	HP BOARD *****				< CONNECTOR >	
CN804	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		CN102	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
		< JACK >		CN103	1-691-771-11	PLUG (MICRO CONNECTOR) 9P	
J801	1-770-307-11	JACK (LARGE TYPE) (PHONO)		CN105	1-691-767-11	PLUG (MICRO CONNECTOR) 5P	
*****						< DIODE >	
A-4428-720-A	INPUT BOARD, COMPLETE (EXCEPT UK,SP,MY) *****			D101	8-719-911-19	DIODE 1SS133T-72	
A-4428-729-A	INPUT BOARD, COMPLETE (UK,SP,MY) *****			D102	8-719-911-19	DIODE 1SS133T-72	
		< CAPACITOR >		D133	8-719-911-19	DIODE 1SS133T-72	
C101	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	D140	8-719-986-38	DIODE HZS16-1LTA	
C102	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	D240	8-719-986-38	DIODE HZS16-1LTA	
C103	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)			< IC >	
C104	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	IC101	8-759-805-13	IC LC7821	
C105	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)			< JACK >	
C131	1-164-159-11	CERAMIC	0.1uF 50V	J101	1-774-411-11	JACK, PIN 6P (TUNER,CD,AUX IN)	
C132	1-164-159-11	CERAMIC	0.1uF 50V	J102	1-770-613-11	JACK, PIN 4P (TAPE2/MD) (EXCEPT UK,SP,MY)	
C133	1-162-294-31	CERAMIC	0.001uF 10% 50V	J102	1-573-028-31	JACK, PIN 4P (TAPE2/MD) (UK,SP,MY)	
C134	1-164-159-11	CERAMIC	0.1uF 50V	J103	1-573-028-31	JACK, PIN 4P (TAPE1/DAT) (UK,SP,MY)	
C135	1-164-159-11	CERAMIC	0.1uF 50V	J103	1-770-613-11	JACK, PIN 4P (TAPE1/DAT) (EXCEPT UK,SP,MY)	
C140	1-135-767-91	ELECT	10uF 63V			< TRANSISTOR >	
C141	1-135-703-91	ELECT	22uF 25V	Q101	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
C142	1-135-711-91	ELECT	470uF 16V	Q102	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
C201	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	Q103	8-729-620-05	TRANSISTOR 2SC2603TP-EF	
C202	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	Q140	8-729-026-68	TRANSISTOR 2SD2525(TP)	
C203	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	Q240	8-729-030-19	TRANSISTOR 2SB1640(TP)	
C204	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)			< RESISTOR >	
C205	1-162-282-31	CERAMIC	100PF 10% 50V (EXCEPT UK,SP,MY)	R101	1-259-500-11	CARBON 1M 5% 1/6W	
C240	1-135-767-91	ELECT	10uF 63V	R102	1-259-500-11	CARBON 1M 5% 1/6W	
C241	1-135-703-91	ELECT	22uF 25V	R103	1-259-500-11	CARBON 1M 5% 1/6W	
C242	1-135-711-91	ELECT	470uF 16V	R104	1-259-500-11	CARBON 1M 5% 1/6W	
				R105	1-259-500-11	CARBON 1M 5% 1/6W	
				R114	1-259-500-11	CARBON 1M 5% 1/6W	
				R115	1-259-500-11	CARBON 1M 5% 1/6W	
				R124	1-259-428-11	CARBON 1K 5% 1/6W	
				R125	1-259-428-11	CARBON 1K 5% 1/6W	
				R130	1-249-425-11	CARBON 4.7K 5% 1/4W F	
				R131	1-249-429-11	CARBON 10K 5% 1/4W	
				R132	1-249-429-11	CARBON 10K 5% 1/4W	
				R133	1-249-429-11	CARBON 10K 5% 1/4W	
				Δ R140	1-213-082-61	FUSIBLE 82 5% 1W	
				R144	1-249-943-11	CARBON 6.8K 5% 1/4W	
				R201	1-259-500-11	CARBON 1M 5% 1/6W	

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark
R202	1-259-500-11	CARBON	1M	5%	1/6W			< CONNECTOR >	
R203	1-259-500-11	CARBON	1M	5%	1/6W				
R204	1-259-500-11	CARBON	1M	5%	1/6W	* CN500	1-560-060-00	PIN, CONNECTOR 2P	
R205	1-259-500-11	CARBON	1M	5%	1/6W	CN503	1-691-770-11	PLUG (MICRO CONNECTOR) 8P	
R214	1-259-500-11	CARBON	1M	5%	1/6W	* CN600	1-560-060-00	PIN, CONNECTOR 2P	
						CN700	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
R215	1-259-500-11	CARBON	1M	5%	1/6W				
R224	1-259-428-11	CARBON	1K	5%	1/6W			< DIODE >	
R225	1-259-428-11	CARBON	1K	5%	1/6W				
△ R240	1-213-082-61	FUSIBLE	82	5%	1W	D500	8-719-911-19	DIODE 1SS133T-72	
R244	1-249-943-11	CARBON	6.8K	5%	1/4W	D501	8-719-911-19	DIODE 1SS133T-72	
						D502	8-719-911-19	DIODE 1SS133T-72	
		< RELAY >				D503	8-719-911-19	DIODE 1SS133T-72	
						D504	8-719-911-19	DIODE 1SS133T-72	
RY101	1-515-614-11	RELAY							
RY102	1-515-614-11	RELAY				D505	8-719-310-61	DIODE SEL1510C-CD-TP3	
*****						D506	8-719-911-19	DIODE 1SS133T-72	
						D507	8-719-911-19	DIODE 1SS133T-72	
A-4428-714-A	MAIN BOARD, COMPLETE (EXCEPT UK,SP,MY)					D600	8-719-911-19	DIODE 1SS133T-72	
						D601	8-719-911-19	DIODE 1SS133T-72	

A-4428-725-A	MAIN BOARD, COMPLETE (UK,SP,MY)					D602	8-719-911-19	DIODE 1SS133T-72	
						D603	8-719-911-19	DIODE 1SS133T-72	
		*****				D604	8-719-911-19	DIODE 1SS133T-72	
		< CAPACITOR >				D605	8-719-310-61	DIODE SEL1510C-CD-TP3	
						D606	8-719-911-19	DIODE 1SS133T-72	
C500	1-102-973-00	CERAMIC	100PF	5%	50V				
C501	1-136-173-00	MYLAR	0.47uF	5.00%	50V	D607	8-719-911-19	DIODE 1SS133T-72	
C502	1-135-709-91	ELECT	100uF		16V	D703	8-719-933-39	DIODE HZS6C1LTA	
C503	1-102-316-00	CERAMIC	15PF	5.00%	500V			< IC >	
C504	1-135-709-91	ELECT	100uF		16V				
C505	1-135-705-91	ELECT	10uF		16V	IC701	8-759-636-74	IC M5218AP-22	
C506	1-135-709-91	ELECT	100uF		16V			< BRIDGE >	
C507	1-102-978-00	CERAMIC	220PF	5%	50V	JWH711	4-999-918-01	BRIDGE (PC-BOARD)	
C508	1-136-159-00	MYLAR	0.033uF	5.00%	50V	JWH712	4-999-918-01	BRIDGE (PC-BOARD)	
C509	1-136-173-00	MYLAR	0.47uF	5.00%	50V	JWH713	4-999-918-01	BRIDGE (PC-BOARD)	
C510	1-136-173-00	MYLAR	0.47uF	5.00%	50V	JWH714	4-999-918-01	BRIDGE (PC-BOARD)	
C513	1-162-282-31	CERAMIC	100PF	10%	50V	JWH715	4-999-918-01	BRIDGE (PC-BOARD)	
				(EXCEPT UK,SP,MY)				< TRANSISTOR >	
C600	1-102-973-00	CERAMIC	100PF	5%	50V	Q500	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2	
C601	1-136-173-00	MYLAR	0.47uF	5.00%	50V	Q501	8-729-201-53	TRANSISTOR 2SA1015TP-YGR	
C602	1-135-709-91	ELECT	100uF		16V	Q502	8-729-119-78	TRANSISTOR 2SC1815YGR-TPE2	
C603	1-102-316-00	CERAMIC	15PF	5.00%	500V	Q503	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2	
C604	1-135-709-91	ELECT	100uF		16V	Q504	8-729-021-73	TRANSISTOR 2SC2229-OY	
C605	1-135-705-91	ELECT	10uF		16V	Q505	8-729-021-74	TRANSISTOR 2SA949-OY	
C606	1-135-709-91	ELECT	100uF		16V	Q506	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2	
C607	1-102-978-00	CERAMIC	220PF	5%	50V	Q507	8-729-020-83	TRANSISTOR 2SA1358-OY	
C608	1-136-159-00	MYLAR	0.033uF	5.00%	50V	Q508	8-729-021-74	TRANSISTOR 2SA949-OY	
C609	1-136-173-00	MYLAR	0.47uF	5.00%	50V	Q509	8-729-021-73	TRANSISTOR 2SC2229-OY	
C610	1-136-173-00	MYLAR	0.47uF	5.00%	50V				
C613	1-162-282-31	CERAMIC	100PF	10%	50V	Q510	8-729-119-78	TRANSISTOR 2SC1815YGR-TPE2	
				(EXCEPT UK,SP,MY)		Q511	8-729-017-06	TRANSISTOR 2SC4793	
C712	1-128-552-51	ELECT	47uF	20.00%	63V	Q512	8-729-017-05	TRANSISTOR 2SA1837	
C713	1-126-933-11	ELECT	100uF	20.00%	16V	Q513	8-729-232-45	TRANSISTOR 2SK1529-Y	
C714	1-126-964-11	ELECT	10uF	20.00%	50V	Q514	8-729-232-46	TRANSISTOR 2SJ200-Y	
C716	1-135-770-91	ELECT	47uF		63V				
C717	1-135-770-91	ELECT	47uF		63V	Q515	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
C718	1-135-709-91	ELECT	100uF		16V	Q516	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
C719	1-135-709-91	ELECT	100uF		16V	Q600	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2	
C722	1-135-767-91	ELECT	10uF		63V	Q601	8-729-201-53	TRANSISTOR 2SA1015TP-YGR	
C723	1-135-767-91	ELECT	10uF		63V				

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

MAIN

OUTLET

PANEL

Ref. No.	Part No.	Description				Remark
Q602	8-729-119-78	TRANSISTOR 2SC1815YGR-TPE2				
Q603	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2				
Q604	8-729-021-73	TRANSISTOR 2SC2229-OY				
Q605	8-729-021-74	TRANSISTOR 2SA949-OY				
Q606	8-729-202-67	TRANSISTOR 2SK246GR3-TPE2				
Q607	8-729-020-83	TRANSISTOR 2SA1358-OY				
Q608	8-729-021-74	TRANSISTOR 2SA949-OY				
Q609	8-729-021-73	TRANSISTOR 2SC2229-OY				
Q610	8-729-119-78	TRANSISTOR 2SC1815YGR-TPE2				
Q611	8-729-017-06	TRANSISTOR 2SC4793				
Q612	8-729-017-05	TRANSISTOR 2SA1837				
Q613	8-729-232-45	TRANSISTOR 2SK1529-Y				
Q614	8-729-232-46	TRANSISTOR 2SJ200-Y				
Q615	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA				
Q616	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA				
Q702	8-729-209-15	TRANSISTOR 2SD2012				
< RESISTOR >						
R500	1-249-923-11	CARBON	1K	5%	1/4W	
R501	1-259-215-21	CARBON	100K	5%	1/4W	
R502	1-259-205-91	CARBON	39K	5%	1/4W	
R503	1-259-151-21	CARBON	220	5%	1/4W	
R504	1-259-151-21	CARBON	220	5%	1/4W	
R505	1-259-205-91	CARBON	39K	5%	1/4W	
△ R506	1-249-411-11	CARBON	330	5%	1/4W	
R507	1-249-883-11	CARBON	22	5%	1/4W	
R508	1-249-883-11	CARBON	22	5%	1/4W	
△ R509	1-249-411-11	CARBON	330	5%	1/4W	
△ R510	1-249-401-11	CARBON	47	5%	1/4W	
R511	1-259-151-21	CARBON	220	5%	1/4W	
R512	1-249-490-11	CARBON	27K	5%	1/3W	
△ R513	1-249-405-11	CARBON	100	5%	1/4W	
R514	1-259-171-21	CARBON	1.5K	5%	1/4W	
R515	1-249-923-11	CARBON	1K	5%	1/4W	
△ R516	1-247-688-11	CARBON	10	5%	1/4W	
△ R517	1-247-688-11	CARBON	10	5%	1/4W	
△ R518	1-247-745-11	CARBON	330	5%	1/2W	
△ R519	1-249-405-11	CARBON	100	5%	1/4W	
△ R520	1-249-405-11	CARBON	100	5%	1/4W	
△ R521	1-208-603-11	REGISTER	0.1	10%	5W	
△ R522	1-208-603-11	REGISTER	0.1	10%	5W	
R523	1-259-424-11	CARBON	680	5%	1/6W	
R524	1-259-420-11	CARBON	470	5%	1/6W	
R525	1-259-484-11	CARBON	220K	5%	1/6W	
R526	1-249-431-11	CARBON	15K	5%	1/4W	
△ R527	1-217-997-11	FUSIBLE	10	5%	1/2W	
R528	1-247-732-11	CARBON	27	5%	1/3W	
R529	1-249-226-11	CARBON	4.7K	5%	1/3W	
R530	1-249-923-11	CARBON	1K	5%	1/4W	
R531	1-259-239-11	CARBON	1M	5%	1/4W	
R532	1-259-239-11	CARBON	1M	5%	1/4W	
R600	1-249-923-11	CARBON	1K	5%	1/4W	
R601	1-259-215-21	CARBON	100K	5%	1/4W	
R602	1-259-205-91	CARBON	39K	5%	1/4W	
R603	1-259-151-21	CARBON	220	5%	1/4W	
R604	1-259-151-21	CARBON	220	5%	1/4W	
R605	1-259-205-91	CARBON	39K	5%	1/4W	

Ref. No.	Part No.	Description			Remark
△ R606	1-249-411-11	CARBON	330	5%	1/4W
R607	1-249-883-11	CARBON	22	5%	1/4W
R608	1-249-883-11	CARBON	22	5%	1/4W
△ R609	1-249-411-11	CARBON	330	5%	1/4W
△ R610	1-249-401-11	CARBON	47	5%	1/4W
R611	1-259-151-21	CARBON	220	5%	1/4W
R612	1-249-490-11	CARBON	27K	5%	1/3W
△ R613	1-249-405-11	CARBON	100	5%	1/4W F
R614	1-259-171-21	CARBON	1.5K	5%	1/4W
R615	1-249-923-11	CARBON	1K	5%	1/4W
△ R616	1-247-688-11	CARBON	10	5%	1/4W F
△ R617	1-247-688-11	CARBON	10	5%	1/4W F
△ R618	1-247-745-11	CARBON	330	5%	1/2W F
△ R619	1-249-405-11	CARBON	100	5%	1/4W F
△ R620	1-249-405-11	CARBON	100	5%	1/4W F
△ R621	1-208-603-11	REGISTER	0.1	10%	5W
△ R622	1-208-603-11	REGISTER	0.1	10%	5W
R623	1-259-424-11	CARBON	680	5%	1/6W
R624	1-259-420-11	CARBON	470	5%	1/6W
R625	1-259-484-11	CARBON	220K	5%	1/6W
R626	1-249-431-11	CARBON	15K	5%	1/4W
△ R627	1-217-997-11	FUSIBLE	10	5%	1/2W
R628	1-247-732-11	CARBON	27	5%	1/3W
R629	1-249-226-11	CARBON	4.7K	5%	1/3W
R630	1-249-923-11	CARBON	1K	5%	1/4W
R631	1-259-239-11	CARBON	1M	5%	1/4W
R632	1-259-239-11	CARBON	1M	5%	1/4W
R709	1-249-425-11	CARBON	4.7K	5%	1/4W F
< VARIABLE RESISTOR >					
RV500	1-241-762-11	RES, ADJ, CARBON 2.2K			
RV600	1-241-762-11	RES, ADJ, CARBON 2.2K			

	1-676-676-11	OUTLET BOARD (EXCEPT UK,SP,MY)			

	1-533-293-11	FUSE HOLDER (EXCEPT UK,SP,MY)			
< JACK >					
△ CNJ3	1-526-794-11	OUTLET, AC (EXCEPT UK,SP,MY)			
△ CNJ4	1-526-794-11	OUTLET, AC (EXCEPT UK,SP,MY)			
< FUSE >					
△ F2	1-532-464-51	FUSE T2.5AL/250V (EXCEPT UK,SP,MY)			

A-4428-719-A	PANEL BOARD, COMPLETE				

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		
C305	1-136-165-00	MYLAR	0.1uF	5.00%	50V			< IC >			
C306	1-130-471-00	MYLAR	0.001uF	5%	50V						
C400	1-136-171-00	MYLAR	0.33uF	5.00%	50V	IC901	8-759-962-08	IC BA6208			
C401	1-137-366-11	MYLAR	0.0022uF	5.00%	50V	IC902	8-759-392-41	IC TMP47C103N-JP47			
C402	1-137-150-11	MYLAR	0.01uF	5.00%	50V			< TRANSISTOR >			
C403	1-137-371-11	MYLAR	0.015uF	5.00%	50V						
C404	1-136-165-00	MYLAR	0.1uF	5.00%	50V	Q900	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
C405	1-136-165-00	MYLAR	0.1uF	5.00%	50V	Q901	8-729-900-63	TRANSISTOR BN1F4M-TP			
C406	1-130-471-00	MYLAR	0.001uF	5%	50V	Q902	8-729-900-63	TRANSISTOR BN1F4M-TP			
C900	1-126-786-11	ELECT	47uF	20.00%	16V	Q903	8-729-900-80	TRANSISTOR BA1A4M-TP			
						Q905	8-729-422-57	TRANSISTOR BN1A4M-TP			
C901	1-126-916-11	ELECT	1000uF	20.00%	6.3V						
C902	1-162-294-31	CERAMIC	0.001uF	10%	50V	Q906	8-729-900-80	TRANSISTOR BA1A4M-TP			
C903	1-162-294-31	CERAMIC	0.001uF	10%	50V	Q907	8-729-119-78	TRANSISTOR 2SC1815YGR-TPE2			
C904	1-164-159-11	CERAMIC	0.1uF		50V	Q908	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
C905	1-162-294-31	CERAMIC	0.001uF	10%	50V	Q909	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
						Q910	8-729-422-57	TRANSISTOR BN1A4M-TP			
C906	1-126-795-11	ELECT	10uF	20.00%	50V						
C907	1-162-294-31	CERAMIC	0.001uF	10%	50V	Q911	8-729-201-53	TRANSISTOR 2SA1015TP-YGR			
C908	1-126-786-11	ELECT	47uF	20.00%	16V	Q912	8-729-422-57	TRANSISTOR BN1A4M-TP			
C909	1-126-795-11	ELECT	10uF	20.00%	50V	Q913	8-729-900-80	TRANSISTOR BA1A4M-TP			
C910	1-126-794-11	ELECT	4.7uF	20.00%	50V	Q914	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
						Q915	8-729-620-05	TRANSISTOR 2SC2603TP-EF			
C911	1-126-795-11	ELECT	10uF	20.00%	50V			< RESISTOR >			
C912	1-126-786-11	ELECT	47uF	20.00%	16V						
C913	1-126-157-11	ELECT	10uF	20%	16V						
		< CONNECTOR >				R300	1-259-500-11	CARBON	1M	5%	1/6W
						R301	1-259-500-11	CARBON	1M	5%	1/6W
						R302	1-259-446-11	CARBON	5.6K	5%	1/6W
* CN300	1-564-522-11	PLUG, CONNECTOR 7P				R303	1-259-436-11	CARBON	2.2K	5%	1/6W
* CN301	1-564-526-11	PLUG, CONNECTOR 11P				R304	1-259-500-11	CARBON	1M	5%	1/6W
CN901	1-691-763-51	PIN, CONNECTOR 8P									
* CN904	1-564-525-11	PLUG, CONNECTOR 10P				R305	1-259-464-11	CARBON	33K	5%	1/6W
* CN905	1-564-522-11	PLUG, CONNECTOR 7P				R306	1-259-456-11	CARBON	15K	5%	1/6W
						R307	1-259-446-11	CARBON	5.6K	5%	1/6W
* CN906	1-564-520-11	PLUG, CONNECTOR 5P				R308	1-259-456-11	CARBON	15K	5%	1/6W
						R309	1-259-500-11	CARBON	1M	5%	1/6W
		< DIODE >									
D902	8-719-313-50	DIODE SEL6810A-TH12 (PHONO)				R310	1-259-464-11	CARBON	33K	5%	1/6W
D903	8-719-313-50	DIODE SEL6810A-TH12 (TUNER)				R311	1-259-446-11	CARBON	5.6K	5%	1/6W
D904	8-719-313-50	DIODE SEL6810A-TH12 (CD)				R391	1-249-429-11	CARBON	10K	5%	1/4W
D905	8-719-313-50	DIODE SEL6810A-TH12 (AUX)				R392	1-249-429-11	CARBON	10K	5%	1/4W
D906	8-719-313-50	DIODE SEL6810A-TH12 (TAPE2/MD)				R393	1-249-429-11	CARBON	10K	5%	1/4W
D907	8-719-313-50	DIODE SEL6810A-TH12 (TAPE1/DAT)				R400	1-259-500-11	CARBON	1M	5%	1/6W
D908	8-719-313-50	DIODE SEL6810A-TH12 (SOURCE DIRECT)				R401	1-259-500-11	CARBON	1M	5%	1/6W
D910	8-719-911-19	DIODE 1SS133T-72				R402	1-259-446-11	CARBON	5.6K	5%	1/6W
D912	8-719-911-19	DIODE 1SS133T-72				R403	1-259-436-11	CARBON	2.2K	5%	1/6W
D913	8-719-911-19	DIODE 1SS133T-72				R404	1-259-500-11	CARBON	1M	5%	1/6W
D914	8-719-911-19	DIODE 1SS133T-72				R405	1-259-464-11	CARBON	33K	5%	1/6W
D915	8-719-911-19	DIODE 1SS133T-72				R406	1-259-456-11	CARBON	15K	5%	1/6W
D916	8-719-024-99	DIODE 11ES2-NTA2B				R407	1-259-446-11	CARBON	5.6K	5%	1/6W
D917	8-719-911-19	DIODE 1SS133T-72				R408	1-259-456-11	CARBON	15K	5%	1/6W
D918	8-719-985-66	DIODE HZS5BLL-TA				R409	1-259-500-11	CARBON	1M	5%	1/6W
D919	8-719-911-19	DIODE 1SS133T-72				R410	1-259-464-11	CARBON	33K	5%	1/6W
D920	8-719-911-19	DIODE 1SS133T-72				R411	1-259-446-11	CARBON	5.6K	5%	1/6W
D921	8-719-911-19	DIODE 1SS133T-72				R902	1-260-171-11	CARBON	910	5%	1/2W
D922	8-719-911-19	DIODE 1SS133T-72				R905	1-249-429-11	CARBON	10K	5%	1/4W
D923	8-719-911-19	DIODE 1SS133T-72				R906	1-249-429-11	CARBON	10K	5%	1/4W
D924	8-719-911-19	DIODE 1SS133T-72				R907	1-249-429-11	CARBON	10K	5%	1/4W
						R908	1-249-437-11	CARBON	47K	5%	1/4W
						R909	1-249-429-11	CARBON	10K	5%	1/4W
						R910	1-249-401-11	CARBON	47	5%	1/4W
						R911	1-249-411-11	CARBON	330	5%	1/4W

PANEL

PHONO

Ref. No.	Part No.	Description	Remark
R912	1-249-429-11	CARBON 10K 5%	1/4W
R913	1-249-425-11	CARBON 4.7K 5%	1/4W F
R914	1-247-807-31	CARBON 100 5%	1/4W
R917	1-249-433-11	CARBON 22K 5%	1/4W
R918	1-249-421-11	CARBON 2.2K 5%	1/4W F
R919	1-249-421-11	CARBON 2.2K 5%	1/4W F
R920	1-249-429-11	CARBON 10K 5%	1/4W
R921	1-249-429-11	CARBON 10K 5%	1/4W
R922	1-249-429-11	CARBON 10K 5%	1/4W
R923	1-249-429-11	CARBON 10K 5%	1/4W
R924	1-249-429-11	CARBON 10K 5%	1/4W
R925	1-249-406-11	CARBON 120 5%	1/4W F
R927	1-249-403-11	CARBON 68 5%	1/4W F
R929	1-247-903-00	CARBON 1M 5%	1/4W
R930	1-247-807-31	CARBON 100 5%	1/4W
R931	1-249-419-11	CARBON 1.5K 5%	1/4W F
R932	1-249-427-11	CARBON 6.8K 5%	1/4W F
R934	1-247-843-11	CARBON 3.3K 5%	1/4W
R935	1-247-843-11	CARBON 3.3K 5%	1/4W
R936	1-249-429-11	CARBON 10K 5%	1/4W
R937	1-249-429-11	CARBON 10K 5%	1/4W
R938	1-249-429-11	CARBON 10K 5%	1/4W
R939	1-260-327-11	CARBON 820 5%	1/2W

< VARIABLE RESISTOR >

RV301	1-223-789-11	RES, VAR, CARBON 250K/250K (BALANCE)
RV302	1-223-768-12	RES, VAR, CARBON 250K/250K (TONE TREBLE)
RV303	1-223-767-12	RES, VAR, CARBON 900K/900K (TONE BASS)

< SWITCH >

S301	1-762-203-11	SWITCH, PUSH (1 KEY) (SUBSONIC)
S302	1-762-393-11	SWITCH, PUSH (SOURCE DIRECT)
S303	1-762-387-11	SWITCH, PUSH (LOUDNESS)
S902	1-692-974-11	SWITCH, ROTARY (INPUT SELECTOR)
S903	1-771-386-11	SWITCH, ROTARY (TAPE MONITOR)

< VIBRATOR >

X900	1-577-358-21	VIBRATOR, CERAMIC (4MHz)
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A-4428-717-A	PHONO BOARD, COMPLETE (EXCEPT UK,SP,MY)

A-4428-728-A	PHONO BOARD, COMPLETE (UK,SP,MY)

< CAPACITOR >

C150	1-102-978-00	CERAMIC 220PF 5%	50V
C151	1-126-964-11	ELECT 10uF 20.00%	50V (EXCEPT UK,SP,MY)
C151	1-135-743-91	ELECT 10uF 50V	(UK,SP,MY)
C152	1-102-973-00	CERAMIC 100PF 5%	50V
C153	1-106-359-00	MYLAR 4700PF 5%	200V
C154	1-126-933-11	ELECT 100uF 20.00%	16V (EXCEPT UK,SP,MY)
C154	1-135-709-91	ELECT 100uF 16V	(UK,SP,MY)
C155	1-136-162-00	MYLAR 0.056uF 5.00%	50V

Ref. No.	Part No.	Description	Remark
C156	1-137-471-11	MYLAR 0.016uF 5.00%	50V
C157	1-126-964-11	ELECT 10uF 20.00%	50V (EXCEPT UK,SP,MY)
C157	1-135-743-91	ELECT 10uF 50V	(UK,SP,MY)
C170	1-126-933-11	ELECT 100uF 20.00%	16V (EXCEPT UK,SP,MY)
C170	1-135-709-91	ELECT 100uF 16V	(UK,SP,MY)
C171	1-126-933-11	ELECT 100uF 20.00%	16V (EXCEPT UK,SP,MY)
C171	1-135-709-91	ELECT 100uF 16V	(UK,SP,MY)
C172	1-126-933-11	ELECT 100uF 20.00%	16V (EXCEPT UK,SP,MY)
C172	1-135-709-91	ELECT 100uF 16V	(UK,SP,MY)
C250	1-102-978-00	CERAMIC 220PF 5%	50V
C251	1-126-964-11	ELECT 10uF 20.00%	50V (EXCEPT UK,SP,MY)
C251	1-135-743-91	ELECT 10uF 50V	(UK,SP,MY)
C252	1-102-973-00	CERAMIC 100PF 5%	50V
C253	1-106-359-00	MYLAR 4700PF 5%	200V
C254	1-126-933-11	ELECT 100uF 20.00%	16V (EXCEPT UK,SP,MY)
C254	1-135-709-91	ELECT 100uF 16V	(UK,SP,MY)
C255	1-136-162-00	MYLAR 0.056uF 5.00%	50V
C256	1-137-471-11	MYLAR 0.016uF 5.00%	50V
C257	1-126-964-11	ELECT 10uF 20.00%	50V (EXCEPT UK,SP,MY)
C257	1-135-743-91	ELECT 10uF 50V	(UK,SP,MY)

< CONNECTOR >

CN151	1-691-768-11	PLUG (MICRO CONNECTOR) 6P
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< DIODE >

D170	8-719-933-46	DIODE HZS7B1LTA
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< IC >

IC150	8-759-636-74	IC M5218AP-22
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< JACK >

J150	1-764-593-21	JACK, PIN 2P (PHONO IN)
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< COIL >

L150	1-410-977-11	INDUCTOR 100uH (EXCEPT UK,SP,MY)
L151	1-410-977-11	INDUCTOR 100uH (EXCEPT UK,SP,MY)
L250	1-410-977-11	INDUCTOR 100uH (EXCEPT UK,SP,MY)
L251	1-410-977-11	INDUCTOR 100uH (EXCEPT UK,SP,MY)

< TRANSISTOR >

Q150	8-729-354-52	TRANSISTOR 2SC2545-ETZ
Q151	8-729-354-52	TRANSISTOR 2SC2545-ETZ
Q250	8-729-354-52	TRANSISTOR 2SC2545-ETZ
Q251	8-729-354-52	TRANSISTOR 2SC2545-ETZ

PHONO

PS

SIRCS

SIRCS SUB

Ref. No.	Part No.	Description	Remark		
< RESISTOR >					
R150	1-249-931-11	CARBON	2.2K	5%	1/4W (EXCEPT UK,SP,MY)
R151	1-249-911-11	CARBON	330	5%	1/4W
R152	1-259-215-21	CARBON	100K	5%	1/4W
R153	1-259-215-21	CARBON	100K	5%	1/4W
R154	1-249-917-11	CARBON	560	5%	1/4W
R155	1-249-917-11	CARBON	560	5%	1/4W
R156	1-249-899-11	CARBON	100	5%	1/4W
R157	1-259-191-21	CARBON	10K	5%	1/4W
R158	1-249-900-11	CARBON	110	5%	1/4W
R159	1-249-965-11	CARBON	56K	1%	1/4W
R160	1-259-183-11	CARBON	4.7K	1%	1/4W
R161	1-259-239-11	CARBON	1M	5%	1/4W
R162	1-249-923-11	CARBON	1K	5%	1/4W
R170	1-259-171-21	CARBON	1.5K	5%	1/4W
R250	1-249-931-11	CARBON	2.2K	5%	1/4W (EXCEPT UK,SP,MY)
R251	1-249-911-11	CARBON	330	5%	1/4W
R252	1-259-215-21	CARBON	100K	5%	1/4W
R253	1-259-215-21	CARBON	100K	5%	1/4W
R254	1-249-917-11	CARBON	560	5%	1/4W
R255	1-249-917-11	CARBON	560	5%	1/4W
R256	1-249-899-11	CARBON	100	5%	1/4W
R257	1-259-191-21	CARBON	10K	5%	1/4W
R258	1-249-900-11	CARBON	110	5%	1/4W
R259	1-249-965-11	CARBON	56K	1%	1/4W
R260	1-259-183-11	CARBON	4.7K	1%	1/4W
R261	1-259-239-11	CARBON	1M	5%	1/4W
R262	1-249-923-11	CARBON	1K	5%	1/4W

A-4428-716-A		PS BOARD, COMPLETE (EXCEPT UK,SP,MY) *****			
A-4428-727-A		PS BOARD, COMPLETE (UK,SP,MY) *****			
1-533-293-11		FUSE HOLDER			
< CAPACITOR >					
C720	1-135-761-51	ELECT	2200uF	50V	
C721	1-135-761-51	ELECT	2200uF	50V	
C724	1-130-471-00	MYLAR	0.001uF	5%	50V (EXCEPT UK,SP,MY)
C725	1-130-471-00	MYLAR	0.001uF	5%	50V (EXCEPT UK,SP,MY)
C750	1-135-631-11	CAP, ELECT	6800uF	50V	
C751	1-135-631-11	CAP, ELECT	6800uF	50V	
C752	1-135-761-51	ELECT	2200uF	50V	
C753	1-135-761-51	ELECT	2200uF	50V	
C756	1-104-999-11	MYLAR	0.1uF	10.00%	200V
C757	1-137-352-11	MYLAR	0.033uF	5.00%	100V
C758	1-137-352-11	MYLAR	0.033uF	5.00%	100V
< CONNECTOR >					
CN1	1-774-108-11	PIN, CONNECTOR (PC BOARD)			
CN2	1-564-321-00	PIN, CONNECTOR 2P			

Ref. No.	Part No.	Description	Remark		
CN3	1-564-321-00	PIN, CONNECTOR 2P			
* CN4	1-564-321-21	PIN, CONNECTOR 2P (EXCEPT UK,SP,MY)			
* CN750	1-564-242-00	PIN, CONNECTOR 5P			
* CN751	1-766-920-11	PIN, CONNECTOR 4P			
CN752	1-766-200-11	SOCKET, CONNECTOR PIN 5P			
< DIODE >					
D750	8-719-302-38	DIODE RBV-602-01			
D755	8-719-024-99	DIODE 11ES2-NTA2B			
D756	8-719-024-99	DIODE 11ES2-NTA2B			
D757	8-719-024-99	DIODE 11ES2-NTA2B			
D758	8-719-024-99	DIODE 11ES2-NTA2B			
D759	8-719-024-99	DIODE 11ES2-NTA2B			
D760	8-719-024-99	DIODE 11ES2-NTA2B			
D761	8-719-024-99	DIODE 11ES2-NTA2B			
D762	8-719-024-99	DIODE 11ES2-NTA2B			
< FUSE >					
△ F1	1-532-464-51	FUSE T2.5AL/250V			
< RESISTOR >					
△ R712	1-219-187-91	FUSIBLE	68	5%	1/2W
△ R713	1-219-187-91	FUSIBLE	68	5%	1/2W
△ R714	1-217-997-11	FUSIBLE	10	5%	1/2W
△ R715	1-217-997-11	FUSIBLE	10	5%	1/2W
△ R750	1-212-974-00	FUSIBLE	47	5%	1/2W

*	1-669-497-11	SIRCS BOARD	*****		
< CONNECTOR >					
* CN911	1-560-666-00	PIN, CONNECTOR 3P			
< DIODE >					
D900	8-719-046-46	DIODE SEL5221S-TH8F (PROTECTION)			
D901	8-719-046-38	DIODE SEL5821A-TH8F (EON LINK)			
< RESISTOR >					
R900	1-249-409-11	CARBON	220	5%	1/4W F
R901	1-249-403-11	CARBON	68	5%	1/4W F
R903	1-249-429-11	CARBON	10K	5%	1/4W
R904	1-249-429-11	CARBON	10K	5%	1/4W
< SWITCH >					
S901	1-571-112-21	SWITCH, PUSH (1 KEY) (EON LINK)			

*	1-670-220-11	SIRCS SUB BOARD	*****		
< CONNECTOR >					
* CN912	1-565-835-11	SOCKET, CONNECTOR 3P			
< IC >					
IC900	8-759-459-86	IC NJL64H400A (REMOTE SENSOR)			

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

SP-SW

SP-TM

Ref. No.	Part No.	Description	Remark		
*	1-669-494-11	SP-SW BOARD *****			
< RESISTOR >					
R801	1-260-327-11	CARBON	820	5%	1/2W
R802	1-260-327-11	CARBON	820	5%	1/2W
R803	1-260-327-11	CARBON	820	5%	1/2W
R804	1-260-327-11	CARBON	820	5%	1/2W
R805	1-260-327-11	CARBON	820	5%	1/2W
R806	1-260-327-11	CARBON	820	5%	1/2W
R807	1-247-746-11	CARBON	390	5%	1/2W F (EXCEPT UK,SP,MY)
R808	1-247-746-11	CARBON	390	5%	1/2W F (EXCEPT UK,SP,MY)
R809	1-247-746-11	CARBON	390	5%	1/2W F (EXCEPT UK,SP,MY)
R810	1-247-746-11	CARBON	390	5%	1/2W F (EXCEPT UK,SP,MY)
R807	1-247-745-11	CARBON	330	5%	1/2W F (UK,SP,MY)
R808	1-247-745-11	CARBON	330	5%	1/2W F (UK,SP,MY)
R809	1-247-745-11	CARBON	330	5%	1/2W F (UK,SP,MY)
R810	1-247-745-11	CARBON	330	5%	1/2W F (UK,SP,MY)
< SWITCH >					
S801	1-771-385-11	SWITCH, ROTARY (SPEAKERS)			

A-4428-715-A		SP-TM BOARD, COMPLETE (EXCEPT UK,SP,MY)			

A-4428-726-A		SP-TM BOARD, COMPLETE (UK,SP,MY)			

< CAPACITOR >					
C511	1-162-294-31	CERAMIC	0.001uF	10%	50V (EXCEPT UK,SP,MY)
C512	1-162-294-31	CERAMIC	0.001uF	10%	50V (EXCEPT UK,SP,MY)
C611	1-162-294-31	CERAMIC	0.001uF	10%	50V (EXCEPT UK,SP,MY)
C612	1-162-294-31	CERAMIC	0.001uF	10%	50V (EXCEPT UK,SP,MY)
C700	1-126-965-11	ELECT	22uF	20.00%	50V
C701	1-136-163-00	MYLAR	0.068uF	5.00%	50V
C702	1-135-667-91	ELECT	220uF		10V
C703	1-136-157-00	MYLAR	0.022uF	5.00%	50V
C704	1-104-664-11	ELECT	47uF	20.00%	16V
C705	1-104-664-11	ELECT	47uF	20.00%	16V
C706	1-137-150-11	MYLAR	0.01uF	10.00%	100V
C707	1-137-150-11	MYLAR	0.01uF	10.00%	100V
C708	1-128-578-11	ELECT	1uF	20.00%	100V
C709	1-128-550-11	ELECT	2200uF	20.00%	50V
C710	1-128-553-11	ELECT	220uF	20.00%	63V
C711	1-128-582-11	ELECT	10uF	20.00%	63V
C715	1-164-159-11	CERAMIC	0.1uF		50V

Ref. No.	Part No.	Description	Remark		
C727	1-162-294-31	CERAMIC	0.001uF	10%	50V (EXCEPT UK,SP,MY)
< CONNECTOR >					
CN702	1-766-203-11	PLUG,CONNECTOR PIN(PC BOARD)5P			
CN703	1-566-212-11	PIN, CONNECTOR 3P			
< DIODE >					
D511	8-719-911-19	DIODE 1SS133T-72			
D512	8-719-911-19	DIODE 1SS133T-72			
D513	8-719-911-19	DIODE 1SS133T-72			
D700	8-719-024-99	DIODE 11ES2-NTA2B			
D701	8-719-024-99	DIODE 11ES2-NTA2B			
D702	8-719-024-99	DIODE 11ES2-NTA2B			
< IC >					
IC700	8-759-111-68	IC uPC1237HA			
< TRANSISTOR >					
Q700	8-729-119-76	TRANSISTOR 2SA1115TP-EF			
Q701	8-729-119-78	TRANSISTOR 2SC1815YGR-TPE2			
< RESISTOR >					
△ R533	1-212-857-00	FUSIBLE	10	5%	1/4W (EXCEPT UK,SP,MY)
△ R534	1-212-857-00	FUSIBLE	10	5%	1/4W (EXCEPT UK,SP,MY)
R535	1-247-750-11	CARBON	680	5%	1/2W F
△ R633	1-212-857-00	FUSIBLE	10	5%	1/4W (EXCEPT UK,SP,MY)
△ R634	1-212-857-00	FUSIBLE	10	5%	1/4W (EXCEPT UK,SP,MY)
R635	1-247-750-11	CARBON	680	5%	1/2W F
R700	1-249-433-11	CARBON	22K	5%	1/4W
R701	1-249-429-11	CARBON	10K	5%	1/4W
R702	1-249-429-11	CARBON	10K	5%	1/4W
R703	1-259-476-11	CARBON	100K	5%	1/6W
R704	1-249-433-11	CARBON	22K	5%	1/4W
R705	1-247-883-00	CARBON	150K	5%	1/4W
R706	1-249-431-11	CARBON	15K	5%	1/4W
R707	1-249-429-11	CARBON	10K	5%	1/4W
△ R708	1-217-489-11	FUSIBLE	47	5%	1W
R710	1-247-745-11	CARBON	330	5%	1/2W F (UK,SP,MY)
R710	1-247-746-11	CARBON	390	5%	1/2W F (EXCEPT UK,SP,MY)
R711	1-247-745-11	CARBON	330	5%	1/2W F (UK,SP,MY)
R711	1-247-746-11	CARBON	390	5%	1/2W F (EXCEPT UK,SP,MY)
< RELAY >					
RY501	1-755-170-11	RELAY (12V)			
RY502	1-755-170-11	RELAY (12V)			
RY503	1-515-920-11	RELAY (24V)			

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
		< TERMINAL >	
TM501	1-537-235-11	TERMINAL BOARD (SP) (SPEAKERS) (UK,SP,MY)	
TM501	1-537-228-11	TERMINAL BOARD (SP) (SPEAKERS) (EXCEPT UK,SP,MY)	

*	1-669-496-11	VOL BOARD *****	
		< CAPACITOR >	
C310	1-101-004-00	CERAMIC 0.01uF 50V	
		< CONNECTOR >	
CN302	1-691-772-11	PLUG (MICRO CONNECTOR) 10P	
CN303	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
		< TRANSISTOR >	
Q300	8-729-141-26	TRANSISTOR 2SC3622ATP-LK	
Q400	8-729-141-26	TRANSISTOR 2SC3622ATP-LK	
		< RESISTOR >	
R312	1-259-448-11	CARBON 6.8K 5% 1/6W	
R412	1-259-448-11	CARBON 6.8K 5% 1/6W	
		< VARIABLE RESISTOR >	
RV300	1-225-675-11	RES, VAR, CARBON 120K/120K (VOLUME)	

		MISCELLANEOUS *****	
△ 11	1-777-185-11	CORD, POWER	
△ 15	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK,SP,MY)	
△ S1	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY) (POWER)	
△ T1	1-435-379-11	TRANSFORMER, POWER (EXCEPT UK,SP,MY)	
△ T1	1-435-380-11	TRANSFORMER, POWER (UK,SP,MY)	

		ACCESSORIES & PACKING MATERIALS *****	
	1-418-856-11	REMOTE COMMANDER (RM-S336)	
	4-227-562-11	MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH,PORTUGUESE) (AEP,G,EE,CIS,AUS)	
	4-227-562-21	MANUAL, INSTRUCTION (GERMAN,DUTCH,SWEDISH,ITALIAN) (AEP,G,EE,CIS,AUS)	
	4-227-562-31	MANUAL, INSTRUCTION (DANISH,FINNISH) (AEP,G,EE,CIS,AUS)	
	4-227-562-41	MANUAL, INSTRUCTION (ENGLISH) (UK,SP,MY)	
	4-981-643-01	COVER, BATTERY (FOR RM-S336)	

		***** HARDWARE LIST *****	
#1	7-685-885-09	SCREW +BVTT 4X16 (S)	
#2	7-685-872-09	SCREW +BVTT 3X8 (S)	

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

