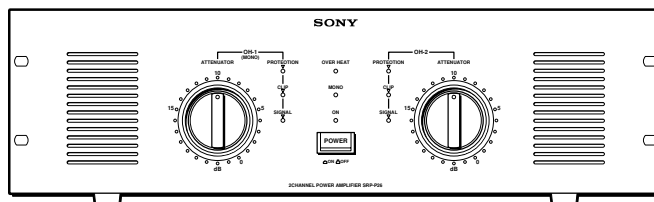


SRP-P26/P15

SERVICE MANUAL

AEP Model
E Model



SPECIFICATIONS

	SRP-P26	SRP-P15
Input Method	Balanced type	Balanced type
Input Circuit	Electronic balanced circuit	Electronic balanced circuit
Input Impedance	Above 20 k Ω	Above 20 k Ω
Input Terminal	XLR-3-31 type /Barrier strips/Phone type	XLR-3-31 type /Barrier strips/Phone type

Operation	STEREO	MONO	STEREO	MONO
Speaker Terminals	Screw type terminal/ Neutrik NL4		Screw type terminal/ Neutrik NL4	
Regulated Output*	250 W + 250 W (8 Ω) 400 W + 400 W (4 Ω) (When driving both channels)	800 W (8 Ω)	150 W + 150 W (8 Ω) 250 W + 250 W (4 Ω) (When driving both channels)	500 W (8 Ω)
Frequency Characteristics	20 Hz to 20 kHz ± 0 dB		20 Hz to 20 kHz ± 0 dB	
Dumping Factor	Above 100 (8 Ω , 1 kHz)	—	Above 100 (8 Ω , 1 kHz)	—
Channel Separation	Above 85 dB (During 8 Ω , 1 kHz regulated output)	—	Above 85 dB (During 8 Ω , 1 kHz regulated output)	—
High Frequency Distortion Rate	Below 0.1% (During 8 Ω , 100 W output)	Below 0.1% (During 8 Ω , 200 W output)	Below 0.1% (During 8 Ω , 100 W output)	Below 0.1% (During 8 Ω , 200 W output)
Residual Noise Voltage (IHF:A. Input Short-Circuit)	Below 120 μ V	Below 240 μ V	Below 120 μ V	Below 240 μ V
Max. Amplitude	31 dB	37 dB	31 dB	37 dB
Indicator	SIGNAL Indicator CLIP Indicator PROTECTION Indicator OVER HEAT Indicator MONO Indicator POWER Indicator		SIGNAL Indicator CLIP Indicator PROTECTION Indicator OVER HEAT Indicator MONO Indicator POWER Indicator	
Power Consumption	600 W		400 W	
Weight	16 kg		15 kg	

0 dBs = 0.775 V

* Distortion of 1 kHz high frequency is 0.1%.

POWER AMPLIFIER



SONY®

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SAFETY-RELATED COMPONENT WARNING!!

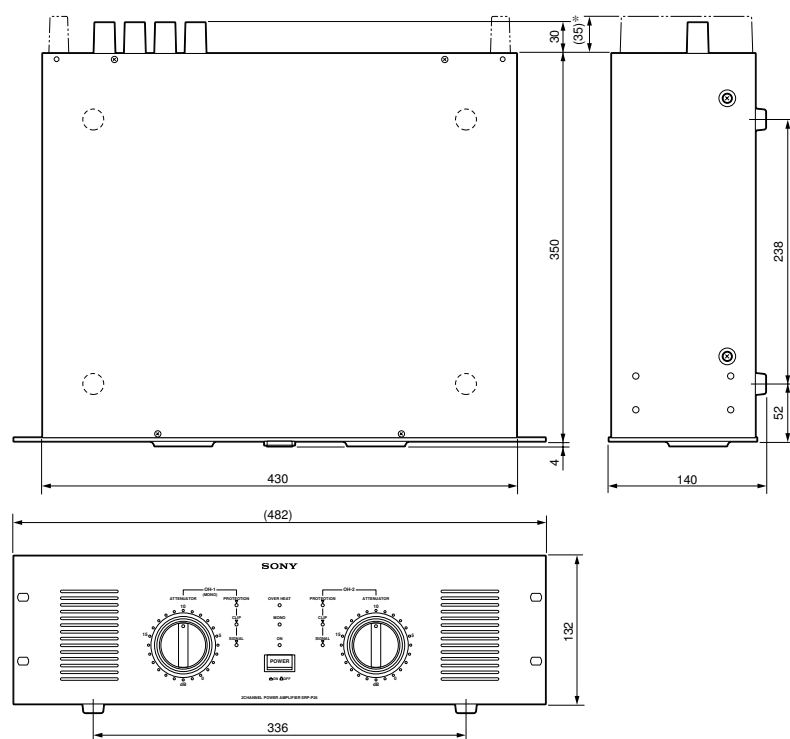
COMPONENTS IDENTIFIED BY MARK $\triangle$ OR DOTTED LINE WITH MARK $\triangle$ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SAFETY CHECK-OUT

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

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.
6. Flexible Circuit Board Repairing
 - Keep the temperature of the soldering iron around 270°C during repairing.
 - Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
 - Be careful not to apply force on the conductor when soldering

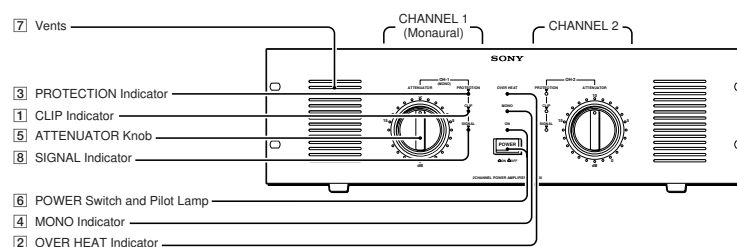
EXTERNAL DIMENSIONS



* When mounting of the supplied rear foot (Refer to page 7).

NAMES AND FUNCTIONS OF PARTS

Front Panel



CHANNEL 1 and CHANNEL 2 equip with the same function

1 CLIP Indicator (Red)

Lights up when the output waveform is distorted.
If this indicator lights up frequently, the input level may be too high or the input route may be faulty. Correct the problem.

2 OVER HEAT (Overheat warning) Indicator (Red)

Lights up when the heat sink temperature exceeds the specified temperature. In such cases, take steps to ensure proper ventilation.

3 PROTECTION (Protection circuit) Indicator (Red)

Lights up when the protection circuit is operating.
Lights up when the POWER switch is turned ON, but goes off when the amplifier stabilizes.

4 MONO (Monaural) Indicator (Green)

Indicates that the OPERATION switch on the rear panel is set to MONO.

5 ATTENUATOR Knob

Can be adjusted in steps of 1 dB from Max. 0 to 17 (–17 dB attenuation).

CHANNEL 1 (MONO) side:

Used to adjust the level of channel 1 of this unit. Also used to adjust the input level when using the unit in the MONO mode by BTL.

CHANNEL 2 (STEREO) side:

Used to adjust the level of channel 2 of this unit. When the OPERATION switch on the rear panel is set to MONO, this knob cannot be used to adjust the input level because it is separated from the signal route.

6 POWER Switch and Pilot Lamp (Green)

The power is turned ON and the pilot lamp lights up when this switch is pressed.

7 Vents

Vents are provided on the left and right sides for the cooling fan. When these vents are clogged with dust, dirt, etc. the fan will not be able to function properly, causing the OVER HEAT Indicator to light up frequently. Do not block these vents.

8 SIGNAL (Signal) Indicator

Lights up when the amplifier is functioning properly and signals are output.
Does not light up when the ATTENUATOR Knob is rotated fully to the left (∞).

Caution

If the PROTECTION lamp lights up

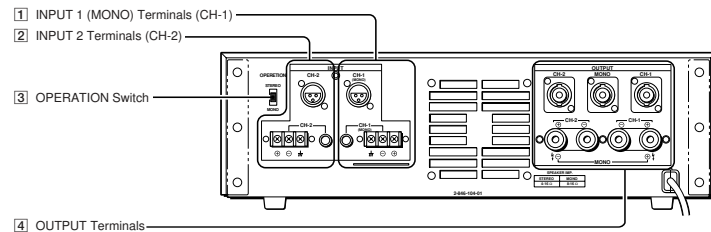
The protection circuit will operate in the following cases (When the PROTECTION Indicator lights up), and the output is cut to protect the speakers and amplifier.

- When DC flows to the OUTPUT terminal due to malfunction.
- When the temperature of the heat radiator in the amplifier exceeds the specified value.
(The OVER HEAT Indicator will continue being lit.)
- When the impedance of the connected speakers is too low or the OUTPUT terminal has short-circuited.

In such cases, turn OFF the POWER switch, remove the fault, turn ON the POWER switch again to resume use.

NAMES AND FUNCTIONS OF PARTS

Rear Panel



1 INPUT 1 (MONO) Terminals (CH-1)

Connected to the outputs of a mixing console, etc.
Serve as the input terminals for CHANNEL 1 when the OPERATION switch is set to STEREO.
When the switch is set to MONO, input monaural signal.

XLR connector (XLR-3-31 equivalent) INPUT

Barrier strips (Balanced) INPUT

Phone type (Balanced) INPUT

2 INPUT 2 Terminals (CH-2)

Connected to the outputs of a mixing console, etc.
Serve as the input terminals for CHANNEL 2 when the OPERATION switch is set to STEREO.
When the switch is set to MONO, these terminals are separated from the signal route.

XLR connector (XLR-3-31 equivalent) INPUT

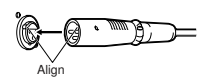
Barrier strips (Balanced) INPUT

Phone type (Balanced) INPUT

XLR type terminals



XLR connector XLR-3-12C equivalent



Phone type terminals

Tip : HOT
Ring : COLD
Sleeve : GND

3 OPERATION Switch

The operation mode switches as follows.

OPERATION Switch Settings	Operation Mode
STEREO	2-channel operation
MONO	Monaural operation by BTL

Operate this switch after turning OFF the POWER switch.

4 OUTPUT Terminals

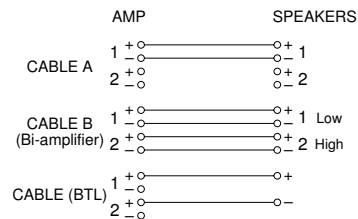
Used to connect speakers. Connect the (+) terminals to the red terminals of the speakers and the (-) terminals to the black terminals of the speakers. In MONO operations by BTL, use only the red terminals. In this case, connect the (+) terminal of the speaker to the red terminal of OUTPUT 1 and the (-) terminal of the speaker to the red terminal of OUTPUT 2.

Neutrik NL4

Pin assignment

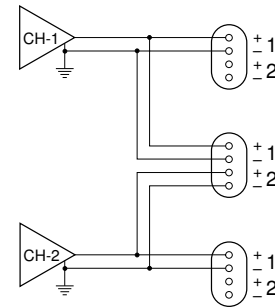
Contact No.	CH-1, CH-2	MONO
1-	-	CH-1 -
1+	+	CH-1 +
2-	NC	CH-2 -
2+	NC	CH-2 +

• CH-1 should be connected to ± 1 in stereo.



NAMES AND FUNCTIONS OF PARTS

NL4 and Power amplifier internal wiring



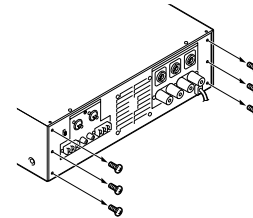
Mounting on the EIA 19-inch Standard Rack

Remove the legs of the bottom of the unit when mounting several units vertically

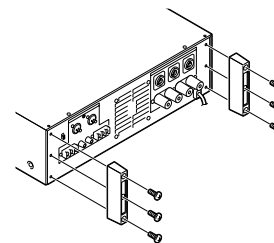
Mounting of the supplied rear foot

Mount the supplied rear foot as follows.

① Remove the six screws.



② Fix the rear foot with the six screws removed in step ①.



CONNECTION

Before Connecting

Power Supply

Take the following precautions to prevent damage to the equipments used and the circuit breaker (safety device) from turning ON.

- Do not use extension cords not suited for large currents.
- Do not use large capacity products together.

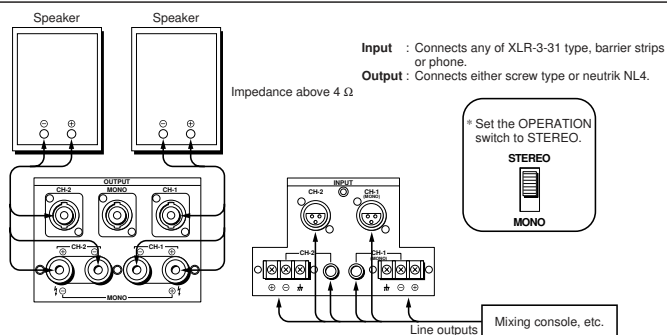
How to Connect Cords

- Insert plugs completely or problems may result.
- Disconnect cords by the plug.

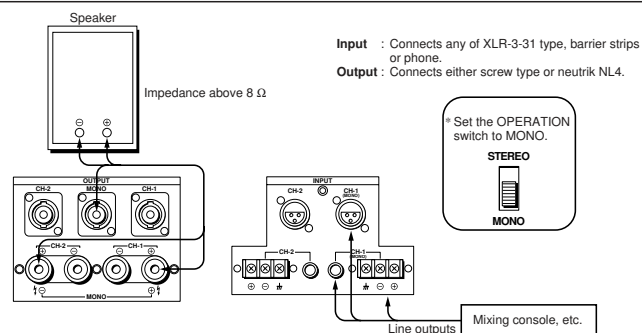
The cords may break if pulled to disconnect.

Connect after turning OFF the POWER switch first.

When Using in STEREO



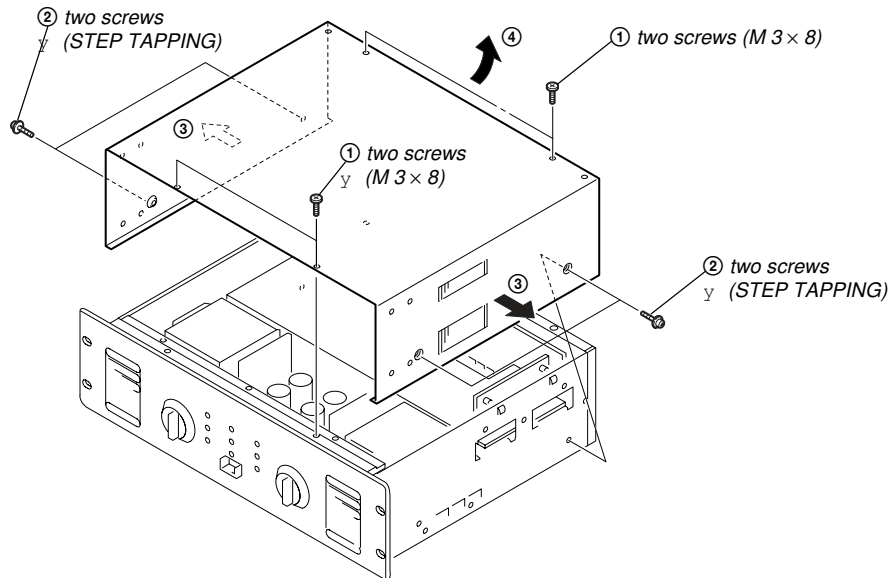
When Using in MONO by BTL



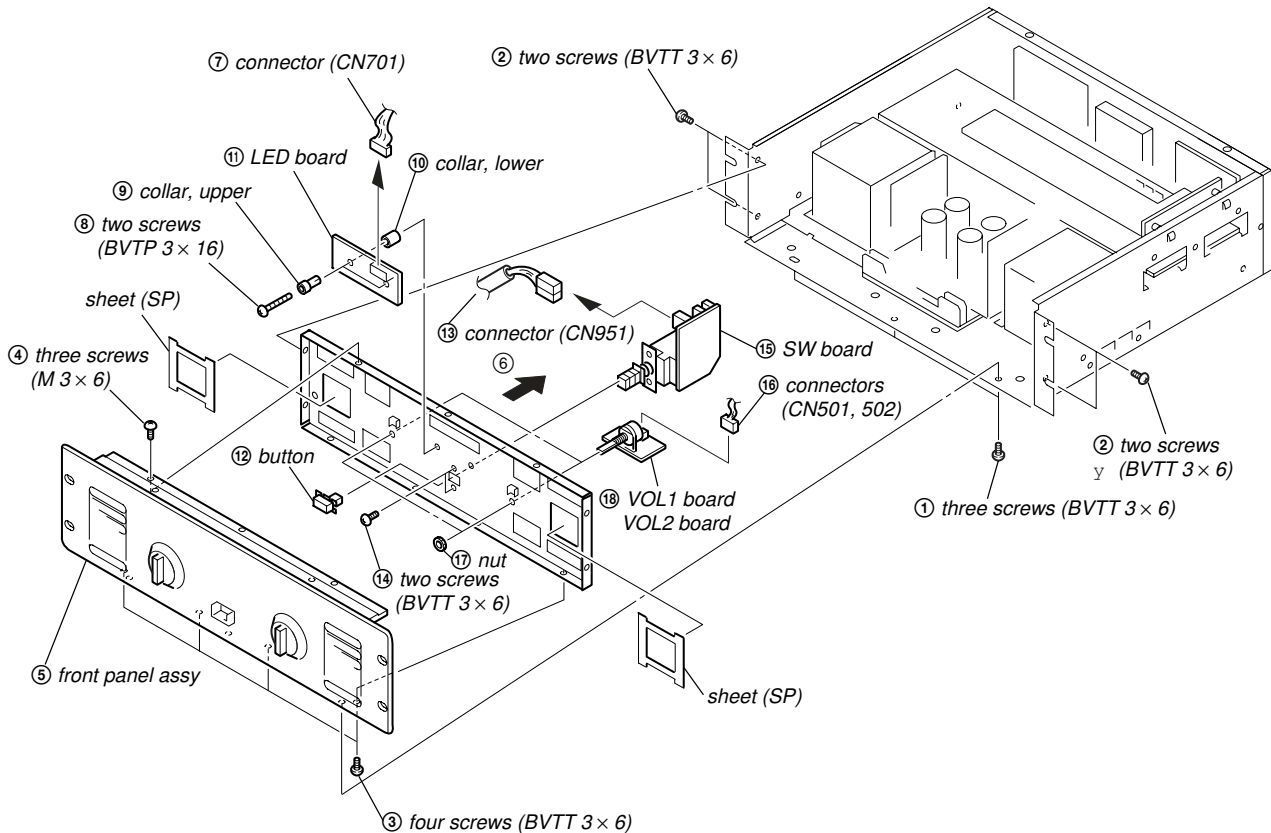
SECTION 2 DISASSEMBLY

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

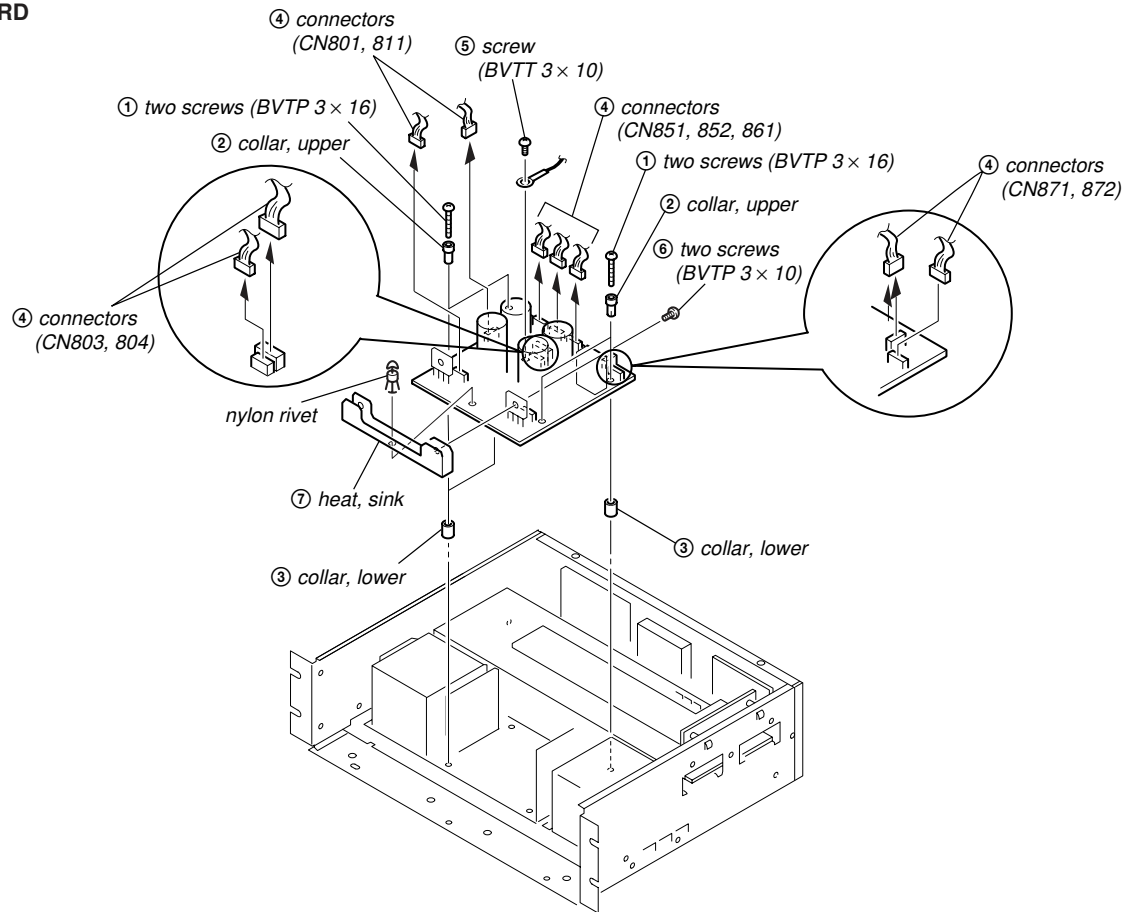
CASE, UPPER



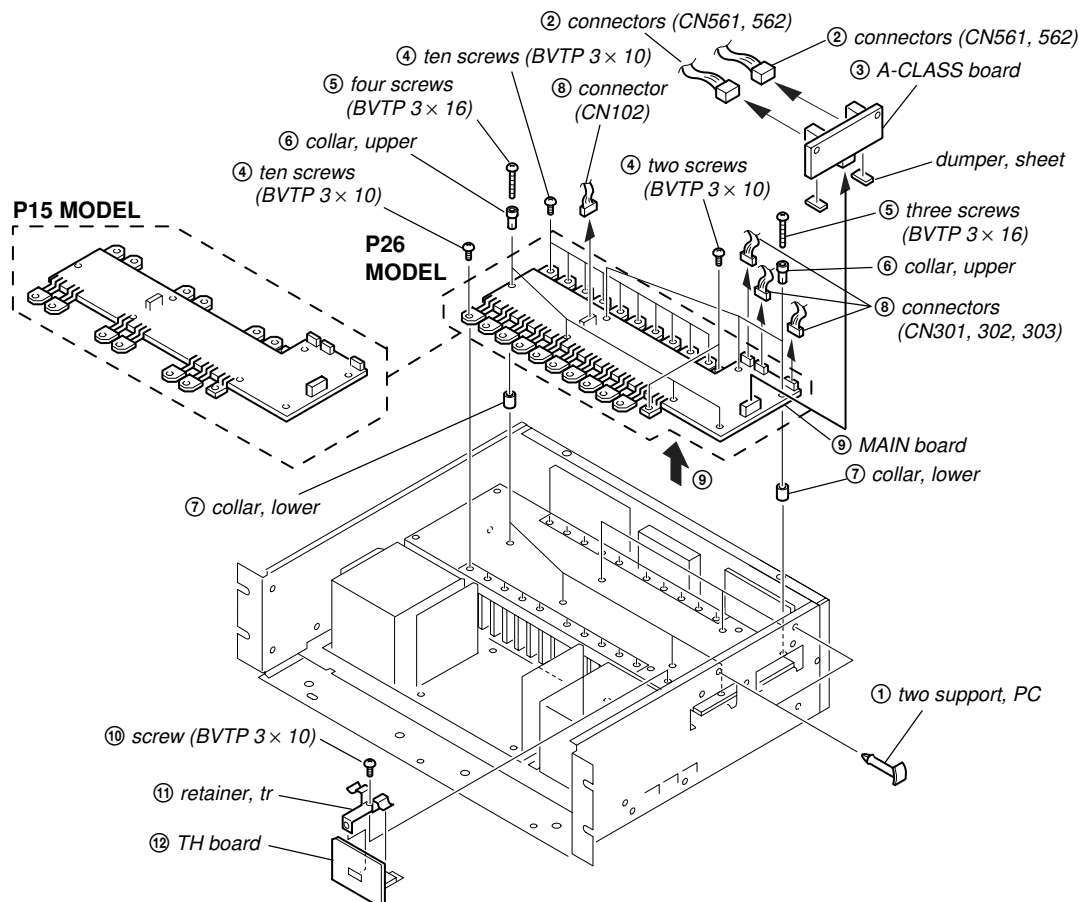
FRONT PANEL



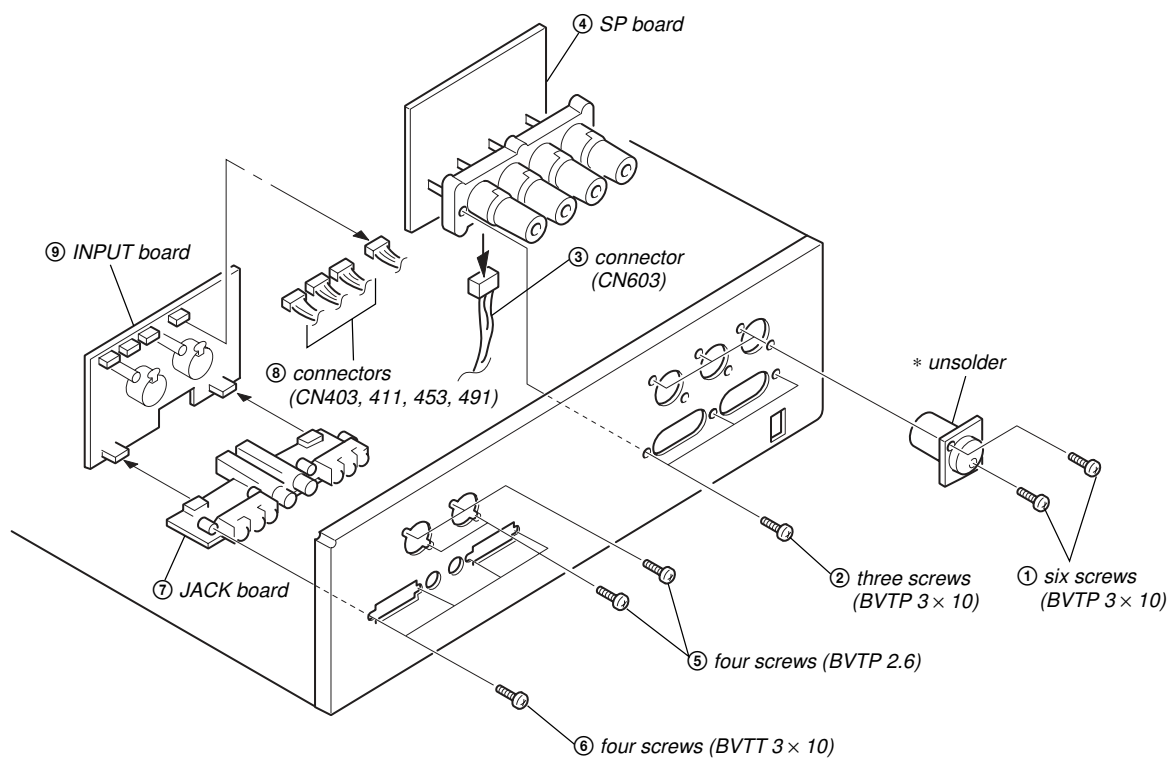
PS BOARD



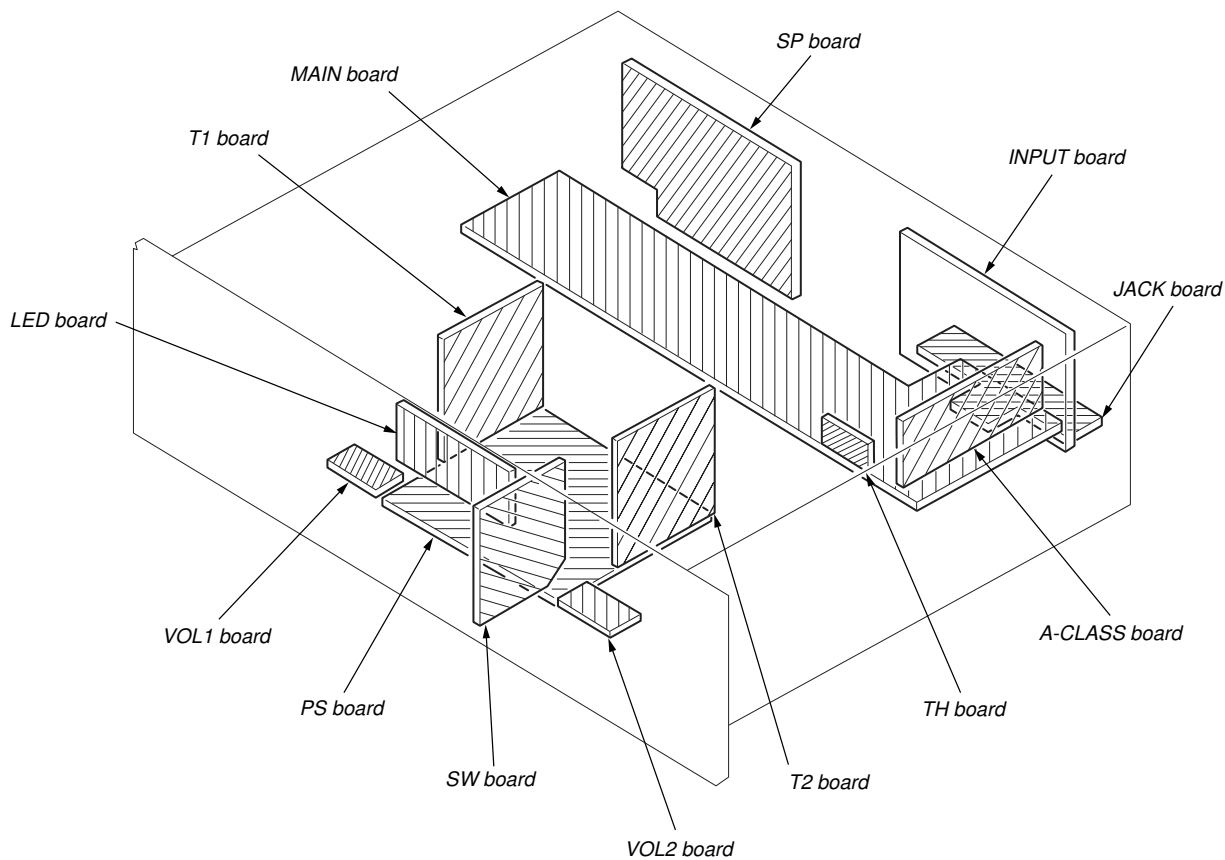
A-CLASS/MAIN/TH BOARDS



SP/INPUT/JACK BOARDS



• Circuit Boards Location



SECTION 3
ELECTRICAL ADJUSTMENT

Note:
Make adjustment at least 5 minutes after the POWER switch was turned ON.

Bias Adjustment/DC Offset Confirmation

Preparation:

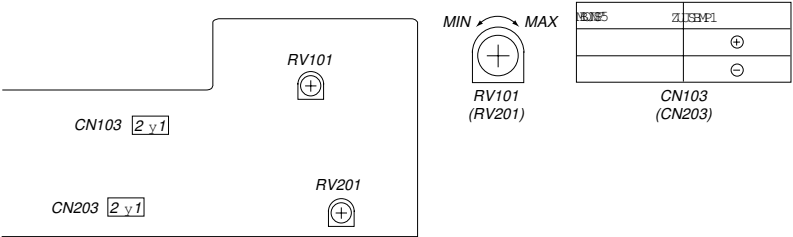
ATTENUATOR nob : ∞ (MIN)
OPERATION switch : STEREO

Procedure:

1. Connect a multimeter to the CN103 (203) without a signal.
 2. Adjust the RV101 (201) so that a multimeter indicates (Bias adjustment) :
- | | |
|---------|-----------|
| SRP-P15 | 10 ± 1 mV |
| SRP-P26 | 10 ± 1 mV |
3. Confirm that the voltage between “+” and “-” output terminals of speaker is below 0 + 40 mV. (DC offset confirmation)

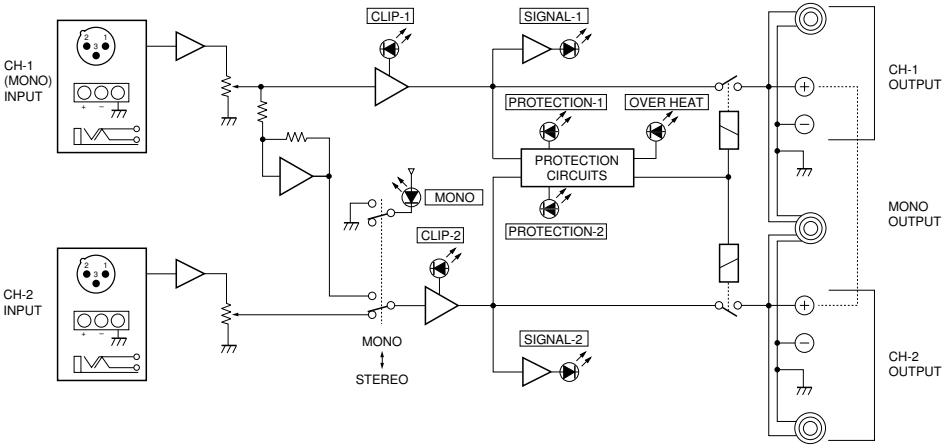
Adjustment Location:

– MAIN board – (Component Side)



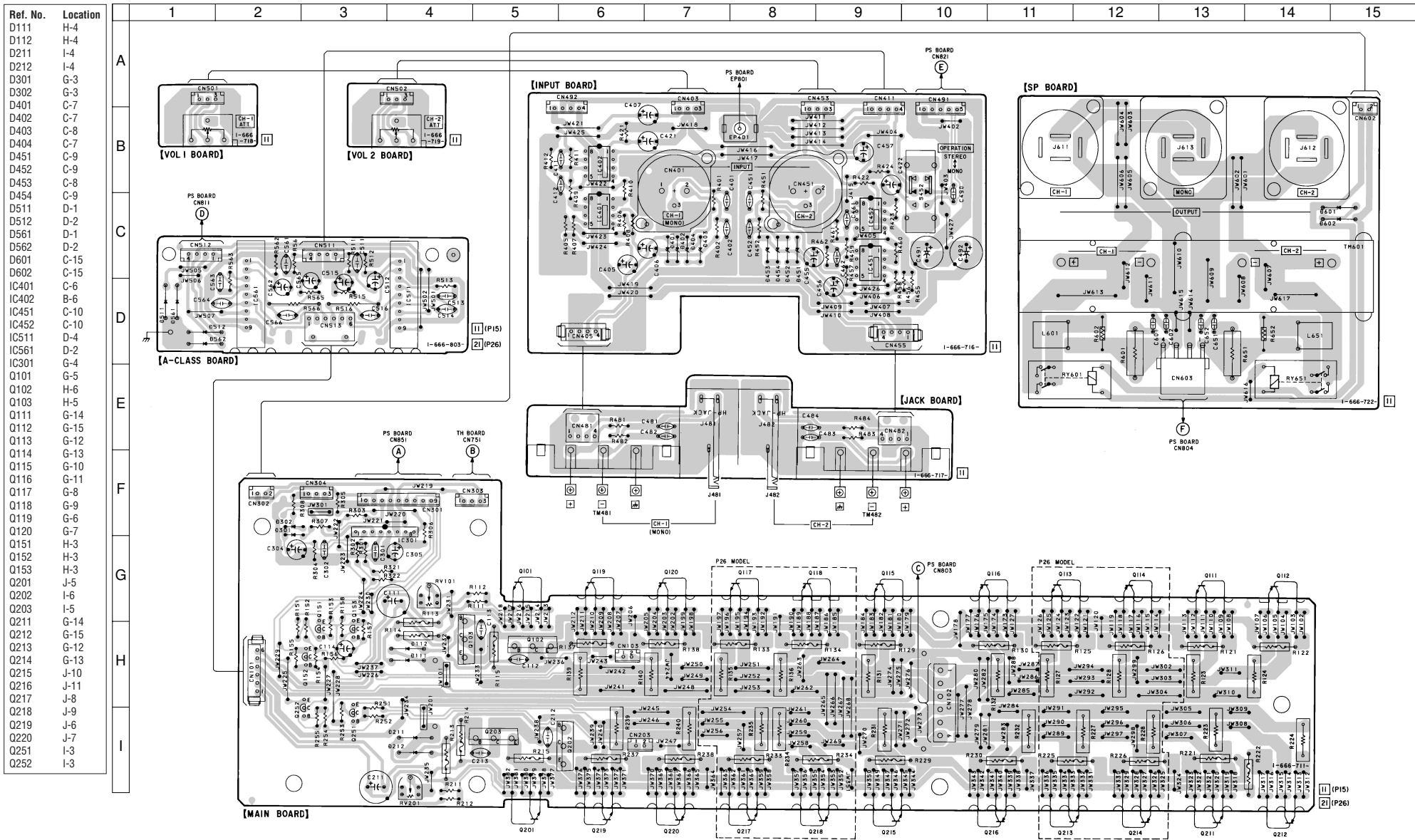
SECTION 4
DIAGRAMS

4-1. BLOCK DIAGRAM



4-2. PRINTED WIRING BOARD – MAIN/INPUT/JACK/SP/A-CLASS/VOL1/VOL2 BOARDS –

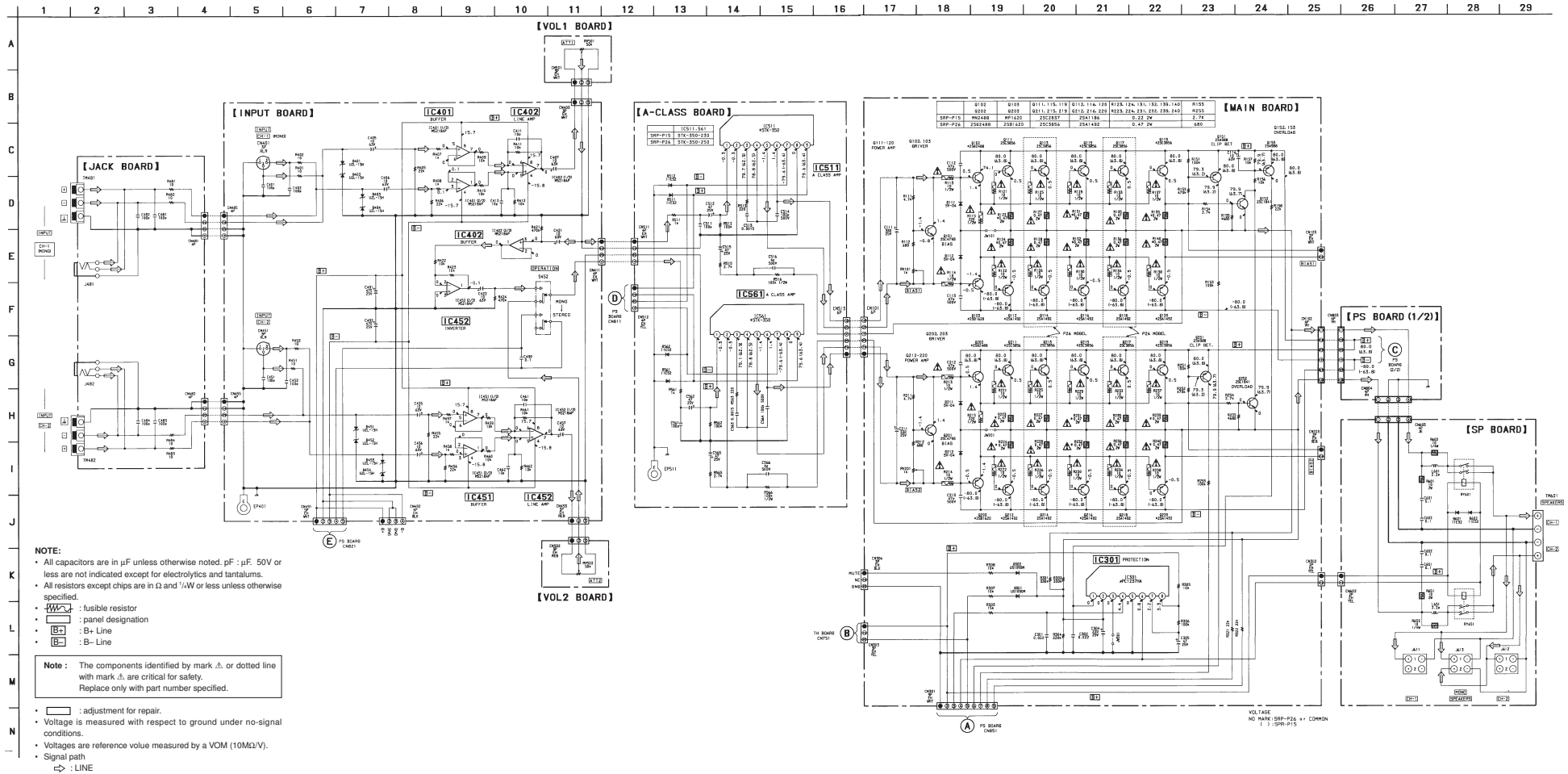
• Semiconductor Location



Note:

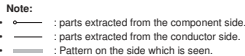
- ○ : parts extracted from the component side.
- — : parts extracted from the conductor side.
- — : Pattern on the side which is seen.

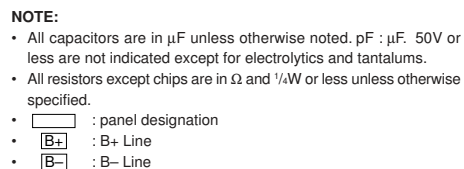
4-3. CIRCUIT DIAGRAM — MAIN/INPUT/JACK/SP/A-CLASS/VOL1/VOL2 BOARDS —



4-4. PRINTED WIRING BOARD – PS/LED/SW/T1/T2/TH BOARDS –

Ref.	Location
D701	B-6
D702	B-8
D703	B-8
D704	A-9
D705	A-4
D706	A-4
D707	B-7
D708	B-4
D709	B-6
D801	I-10
D802	I-6
D811	G-10
D812	G-10
D813	G-10
D814	G-10
D821	G-6
D822	G-6
D823	G-5
D824	G-5
D825	F-6
D826	F-6
D840	G-5
D841	G-6
D843	G-5
D851	D-7
D852	D-7
D853	D-8
D856	D-9
D857	E-5
D872	D-6
D873	D-6
H271	E-5
D821	F-5
D822	F-5
D851	D-7
D852	D-7
D853	D-8
D856	D-9
D857	D-9
D858	D-9
D859	D-10
D862	D-10
D871	D-6
D872	D-6





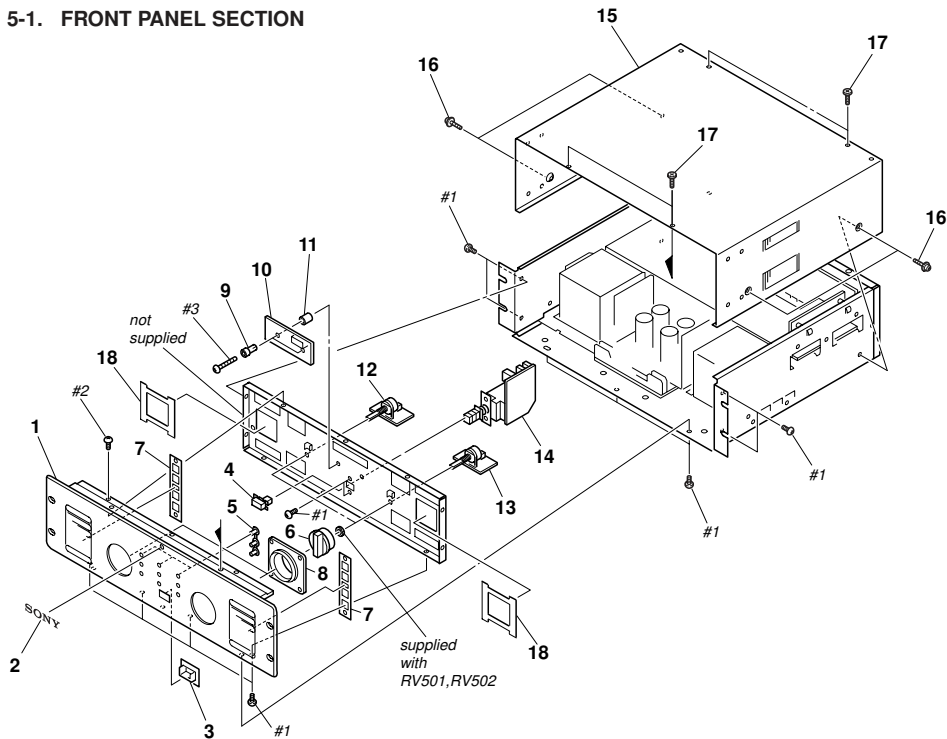
- Voltage is measured with respect to ground under no-signal conditions.
- Voltages are reference value measured by a VOM (10 M Ω /V).

SECTION 5
REPAIR PARTS LIST

- Note:**
- -XX, -X mean standardized parts, so they may have some differences 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.
 - 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.

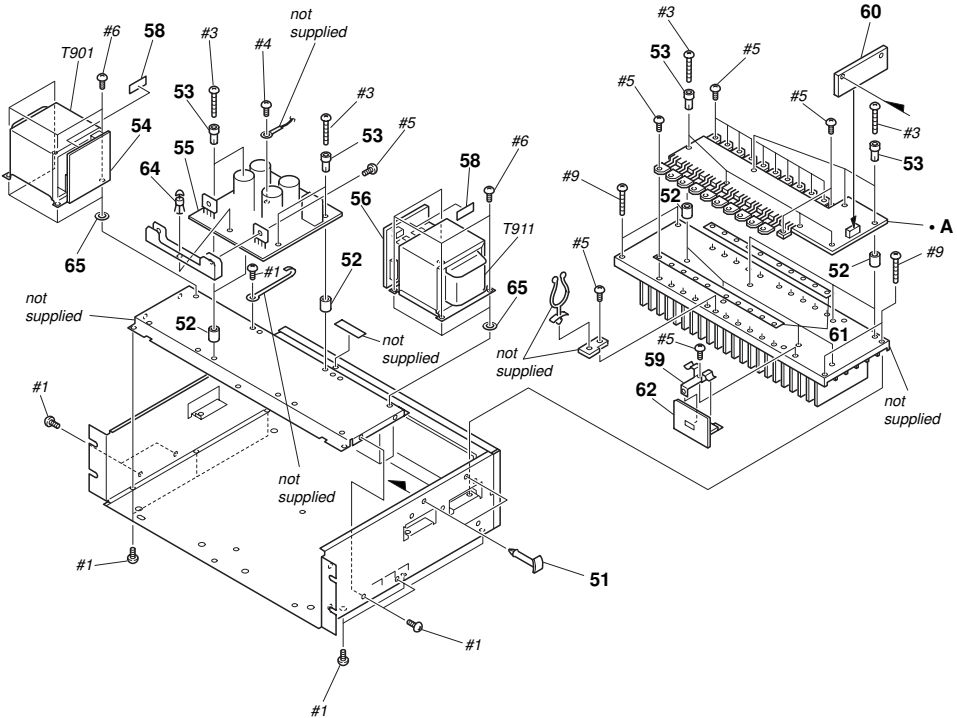
5-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
1	2-346-102-01	PANEL, FRONT	(P26)	* 10	1-666-720-11	LED BOARD	
2	2-346-102-11	PANEL, FRONT	(P15)	* 11	2-346-111-01	COLLAR (LOWER)	
3	4-942-568-01	EMBLEM (NO.5), SONY		* 12	1-666-718-11	VOL1 BOARD	
4	2-335-846-01	ESCUTCHEON		* 13	1-666-719-11	VOL2 BOARD	
5	2-335-924-01	BUTTON		* 14	1-666-715-11	SW BOARD	
6	4-957-450-01	INDICATOR (DSP)		* 15	2-344-813-01	CASE, UPPER	
7	2-344-691-01	KNOB, ATT		16	2-338-688-01	SCREW, STEP TAPPING	
8	2-346-160-01	SHEET (GUARD)		17	3-704-366-01	SCREW (CASE) (M3X8)	
9	2-346-114-01	RING (ORNAMENTAL)		18	2-346-236-01	SHEET (SP)	
10	2-346-110-01	COLLAR (UPPER)					

5-2. HEAT SINK SECTION

- A : MAIN board

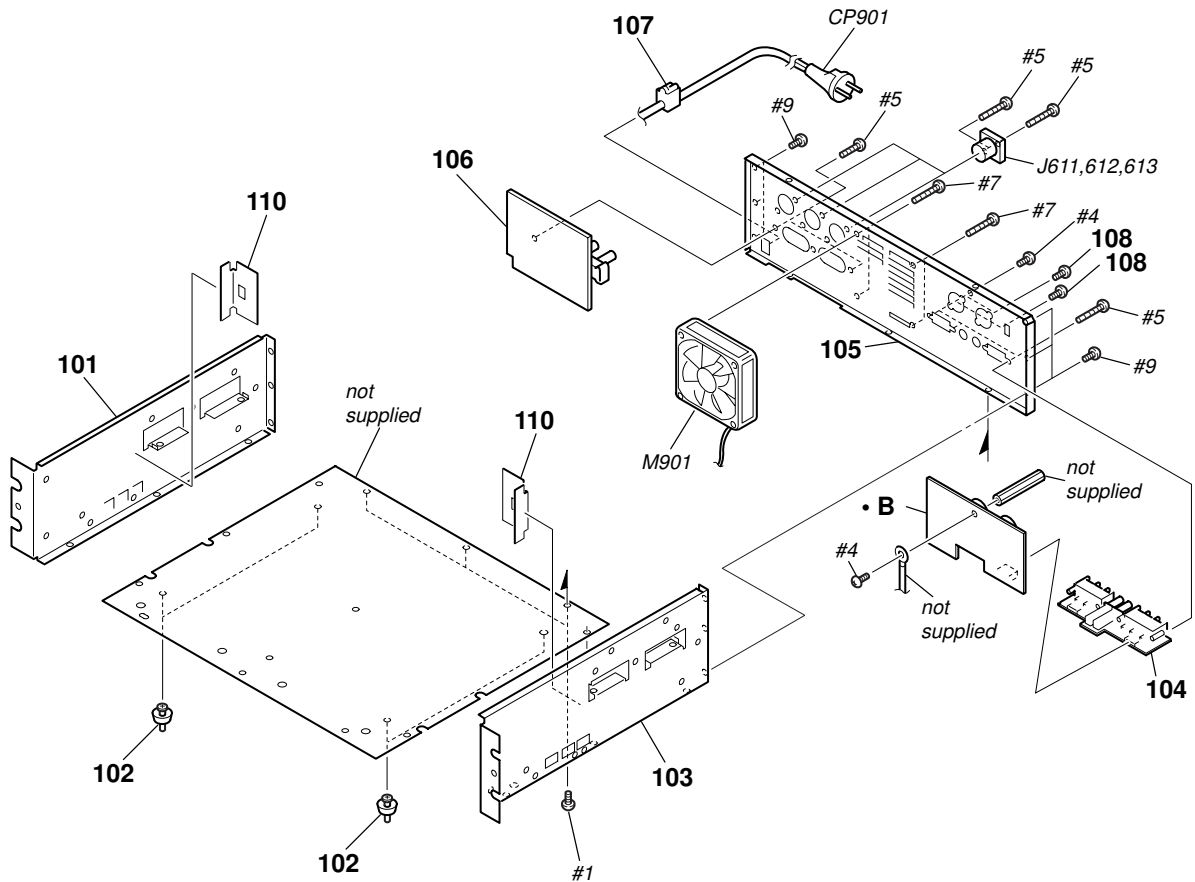


Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
* 51	2-338-741-31	SUPPORT, PC		* 62	1-666-721-11	TH BOARD	(P15)
* 52	2-346-111-01	COLLAR (LOWER)		* 63	1-666-721-21	TH BOARD	(P26)
* 53	2-346-110-01	COLLAR (UPPER)		* 64	A-4588-999-A	COMBINED MAIN BOARD COMPLETE	(P15)
* 54	1-666-713-11	T1 BOARD	(P15)			(including • A)	
* 55	1-666-713-21	T2 BOARD	(P26)	* 65	A-4591-014-A	COMBINED MAIN BOARD COMPLETE	(P26)
* 56	1-666-714-11	T3 BOARD	(P15)			(including • A)	
* 57	1-666-714-21	T4 BOARD	(P26)	* 66	4-812-134-01	NYLON RIVET (ø3.5)	
* 58	3-701-946-27	LABEL, FUSE RATING	(P15:E)	* 67	4-923-809-01	CUSHION (A)	
59	3-701-946-31	LABEL, FUSE RATING	(P26:E)				
* 60	4-378-621-01	RETAINER, TR		Δ T901	1-431-485-11	TRANSFORMER, POWER	(P26:E)
* 61	1-666-803-11	A-CLASS BOARD	(P15)	Δ T901	1-431-486-11	TRANSFORMER, POWER	(P15:AEP)
				Δ T901	1-431-487-11	TRANSFORMER, POWER	(P15:E)
				Δ T901	1-431-488-11	TRANSFORMER, POWER	(P26:AEP)
				Δ T911	1-431-485-11	TRANSFORMER, POWER	(P26:E)
				Δ T911	1-431-486-11	TRANSFORMER, POWER	(P15:AEP)
				Δ T911	1-431-487-11	TRANSFORMER, POWER	(P15:E)
				Δ T911	1-431-488-11	TRANSFORMER, POWER	(P26:AEP)

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

5-3. REAR PANEL SECTION

• B : INPUT board



Ref. No.	Part No.	Description	Remarks
* 101	2-346-140-01	FRAME (L)	
102	2-337-554-01	FOOT	
* 103	2-346-141-01	FRAME (R)	
* 104	1-666-717-11	JACK BOARD	
* 105	2-346-104-01	PANEL, BACK	
* 106	1-666-722-11	SP BOARD	
107	2-352-626-01	BUSHING, CORD	
108	4-951-620-31	SCREW (2.6), +BVTP	
* 109	A-4591-006-A	COMBINED INPUT BOARD COMPLETE	
		(including • B)	
110	2-346-262-01	SHIELD PLATE	(P26)
△ CP901	1-559-479-11	CORD, POWER	(P15:E/P26:E)
△ CP901	1-575-953-11	CORD, POWER	(P15:AEP/P26:AEP)
M901	1-541-944-11	FAN	

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

SECTION 6 ELECTRICAL PARTS LIST

Note:

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

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

- 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.
- CAPACITORS:
uF: μ F
- RESISTORS
All resistors are in ohms.
METAL: metal-film resistor
METAL OXIDE: Metal Oxide-film resistor
F: nonflammable
- COILS
uH: μ H
- SEMICONDUCTORS
In each case, u: μ , for example:
uA...: μ A..., uPA..., μ PA...,
uPB..., μ PB..., uPC..., μ PC...,
uPD..., μ PD...

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	A-4588-999-A	COMBINED MAIN BOARD, COMPLETE *****	(P15)	< TRANSISTOR >			
*	A-4591-014-A	COMBINED MAIN BOARD, COMPLETE ***** (including MAIN BOARD)	(P26)	Q101	8-729-017-06	TRANSISTOR 2SC4793	
	4-812-134-00	RIVET (DIA. 3.5), NYLON		Q102	8-749-010-25	IC MN2488-OPY-M	(P15)
	7-685-647-79	SCREW +BVTP 3X10 TYPE2 TT(B)		Q102	8-729-042-18	TRANSISTOR 2SD2488-P	(P26)
	7-685-873-09	SCREW +BVTT 3X10 (S)		Q103	8-749-010-26	IC MP1620-OPY-M	(P15)
		MAIN BOARD *****		Q103	8-729-042-21	TRANSISTOR 2SB1620-P	(P26)
		< CAPACITOR >		Q111	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
C111	1-126-025-11	ELECT 330uF 20% 25V		Q111	8-729-383-73	TRANSISTOR 2SC2837-Y	(P15)
C112	1-162-815-11	CERAMIC 47PF 5% 500V		Q112	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
C113	1-162-815-11	CERAMIC 47PF 5% 500V		Q112	8-729-318-63	TRANSISTOR 2SA1186-Y	(P15)
C114	1-126-059-11	ELECT 10uF 20% 63V		Q113	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
C211	1-126-025-11	ELECT 330uF 20% 25V		Q114	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
C212	1-162-815-11	CERAMIC 47PF 5% 500V		Q115	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
C213	1-162-815-11	CERAMIC 47PF 5% 500V		Q115	8-729-383-73	TRANSISTOR 2SC2837-Y	(P15)
C301	1-136-157-00	FILM 0.022uF 5% 50V		Q116	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
C302	1-136-157-00	FILM 0.022uF 5% 50V		Q116	8-729-318-63	TRANSISTOR 2SA1186-Y	(P15)
C304	1-126-024-11	ELECT 220uF 20% 25V		Q117	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
C305	1-126-022-11	ELECT 47uF 20% 25V		Q118	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
		< CONNECTOR >		Q119	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
* CN101	1-565-482-11	CONNECTOR, BOARD TO BOARD 6P		Q119	8-729-383-73	TRANSISTOR 2SC2837-Y	(P15)
* CN102	1-766-176-11	PIN, CONNECTOR (PC BOARD) 6P		Q120	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
CN103	1-564-505-11	PLUG, CONNECTOR 2P		Q120	8-729-318-63	TRANSISTOR 2SA1186-Y	(P15)
* CN203	1-564-505-11	PLUG, CONNECTOR 2P		Q151	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
* CN301	1-564-512-11	PLUG, CONNECTOR 9P		Q152	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA	
* CN302	1-564-505-11	PLUG, CONNECTOR 2P		Q153	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
* CN303	1-564-506-11	PLUG, CONNECTOR 3P		Q201	8-729-017-06	TRANSISTOR 2SC4793	
* CN304	1-564-506-11	PLUG, CONNECTOR 3P		Q202	8-749-010-25	IC MN2488-OPY-M	(P15)
		< DIODE >		Q202	8-729-042-18	TRANSISTOR 2SD2488-P	(P26)
D111	8-719-300-04	DIODE SV-04		Q203	8-749-010-26	IC MP1620-OPY-M	(P15)
D112	8-719-300-04	DIODE SV-04		Q203	8-729-042-21	TRANSISTOR 2SB1620-P	(P26)
D211	8-719-300-04	DIODE SV-04		Q211	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
D212	8-719-300-04	DIODE SV-04		Q211	8-729-383-73	TRANSISTOR 2SC2837-Y	(P15)
D301	8-719-815-85	DIODE 1S1585		Q212	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
D302	8-719-815-85	DIODE 1S1585		Q212	8-729-318-63	TRANSISTOR 2SA1186-Y	(P15)
		< IC >		Q213	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
IC301	8-759-111-68	IC uPC1237HA		Q214	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
				Q215	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)
				Q215	8-729-383-73	TRANSISTOR 2SC2837-Y	(P15)
				Q216	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)
				Q216	8-729-318-63	TRANSISTOR 2SA1186-Y	(P15)

Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
Q217	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)	R211	1-259-444-11	CARBON 4.7K	5% 1/6W
Q218	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)	R212	1-259-424-11	CARBON 680	5% 1/6W
Q219	8-729-010-97	TRANSISTOR 2SC3856-Y	(P26)	△ R213	1-219-177-91	FUSIBLE 10	5% 1/2W F
Q219	8-729-383-73	TRANSISTOR 2SC2837-Y	(P15)	△ R214	1-219-177-91	FUSIBLE 10	5% 1/2W F
Q220	8-729-010-98	TRANSISTOR 2SA1492-Y	(P26)	△ R215	1-219-193-11	FUSIBLE 220	5% 1/2W F
Q220	8-729-318-63	TRANSISTOR 2SA1186-Y	(P15)	△ R221	1-219-177-91	FUSIBLE 10	5% 1/2W F
Q251	8-729-140-82	TRANSISTOR 2SA988-PAFAEA		△ R222	1-219-177-91	FUSIBLE 10	5% 1/2W F
Q252	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA		R223	1-217-151-00	RES, METAL PLATE	0.22 (P15)
< RESISTOR >				R223	1-217-153-00	RES, METAL PLATE	0.47 (P26)
				R224	1-217-151-00	RES, METAL PLATE	0.22 (P15)
R111	1-259-444-11	CARBON 4.7K	5% 1/6W	R224	1-217-153-00	RES, METAL PLATE	0.47 (P26)
R112	1-259-424-11	CARBON 680	5% 1/6W	△ R225	1-219-177-91	FUSIBLE 10	5% 1/2W F
△ R113	1-219-177-91	FUSIBLE 10	5% 1/2W F				(P26)
△ R114	1-219-177-91	FUSIBLE 10	5% 1/2W F	△ R226	1-219-177-91	FUSIBLE 10	5% 1/2W F
△ R115	1-219-193-11	FUSIBLE 220	5% 1/2W F				(P26)
△ R121	1-219-177-91	FUSIBLE 10	5% 1/2W F	R227	1-217-153-00	RES, METAL PLATE	0.47 (P26)
△ R122	1-219-177-91	FUSIBLE 10	5% 1/2W F	R228	1-217-153-00	RES, METAL PLATE	0.47 (P26)
R123	1-217-151-00	RES, METAL PLATE	0.22 (P15)	△ R229	1-219-177-91	FUSIBLE 10	5% 1/2W F
R123	1-217-153-00	RES, METAL PLATE	0.47 (P26)	△ R230	1-219-177-91	FUSIBLE 10	5% 1/2W F
R124	1-217-151-00	RES, METAL PLATE	0.22 (P15)	R231	1-217-151-00	RES, METAL PLATE	0.22 (P15)
R124	1-217-153-00	RES, METAL PLATE	0.47 (P26)	R231	1-217-153-00	RES, METAL PLATE	0.47 (P26)
△ R125	1-219-177-91	FUSIBLE 10	5% 1/2W F	R232	1-217-151-00	RES, METAL PLATE	0.22 (P15)
			(P26)	R232	1-217-153-00	RES, METAL PLATE	0.47 (P26)
△ R126	1-219-177-91	FUSIBLE 10	5% 1/2W F	△ R233	1-219-177-91	FUSIBLE 10	5% 1/2W F
			(P26)				(P26)
R127	1-217-153-00	RES, METAL PLATE	0.47 (P26)	△ R234	1-219-177-91	FUSIBLE 10	5% 1/2W F
R128	1-217-153-00	RES, METAL PLATE	0.47 (P26)				(P26)
△ R129	1-219-177-91	FUSIBLE 10	5% 1/2W F	R235	1-217-153-00	RES, METAL PLATE	0.47 (P26)
△ R130	1-219-177-91	FUSIBLE 10	5% 1/2W F	R236	1-217-153-00	RES, METAL PLATE	0.47 (P26)
R131	1-217-151-00	RES, METAL PLATE	0.22 (P15)	△ R237	1-219-177-91	FUSIBLE 10	5% 1/2W F
R131	1-217-153-00	RES, METAL PLATE	0.47 (P26)	△ R238	1-219-177-91	FUSIBLE 10	5% 1/2W F
R132	1-217-151-00	RES, METAL PLATE	0.22 (P15)	R239	1-217-151-00	RES, METAL PLATE	0.22 (P15)
R132	1-217-153-00	RES, METAL PLATE	0.47 (P26)	R239	1-217-153-00	RES, METAL PLATE	0.47 (P26)
△ R133	1-219-177-91	FUSIBLE 10	5% 1/2W F	R240	1-217-151-00	RES, METAL PLATE	0.22 (P15)
			(P26)	R240	1-217-153-00	RES, METAL PLATE	0.47 (P26)
△ R134	1-219-177-91	FUSIBLE 10	5% 1/2W F	R251	1-259-476-11	CARBON 100K	5% 1/6W
			(P26)	R252	1-259-492-11	CARBON 470K	5% 1/6W
R135	1-217-153-00	RES, METAL PLATE	0.47 (P26)	R253	1-259-476-11	CARBON 100K	5% 1/6W
R136	1-217-153-00	RES, METAL PLATE	0.47 (P26)	R254	1-259-438-11	CARBON 2.7K	5% 1/6W
△ R137	1-219-177-91	FUSIBLE 10	5% 1/2W F	R255	1-259-438-11	CARBON 2.7K	5% 1/6W
△ R138	1-219-177-91	FUSIBLE 10	5% 1/2W F				(P15)
R139	1-217-151-00	RES, METAL PLATE	0.22 (P15)	R255	1-259-424-11	CARBON 680	5% 1/6W
R139	1-217-153-00	RES, METAL PLATE	0.47 (P26)				(P26)
R140	1-217-151-00	RES, METAL PLATE	0.22 (P15)	R301	1-259-488-11	CARBON 330K	5% 1/6W
R140	1-217-153-00	RES, METAL PLATE	0.47 (P26)	R302	1-259-488-11	CARBON 330K	5% 1/6W
R151	1-259-476-11	CARBON 100K	5% 1/6W	R303	1-259-456-11	CARBON 15K	5% 1/6W
R152	1-259-492-11	CARBON 470K	5% 1/6W	R304	1-259-484-11	CARBON 220K	5% 1/6W
R153	1-259-476-11	CARBON 100K	5% 1/6W	R305	1-259-452-11	CARBON 10K	5% 1/6W
R154	1-259-438-11	CARBON 2.7K	5% 1/6W	R306	1-259-476-11	CARBON 100K	5% 1/6W
R155	1-259-438-11	CARBON 2.7K	5% 1/6W	R307	1-259-452-11	CARBON 10K	5% 1/6W
			(P15)	R308	1-259-452-11	CARBON 10K	5% 1/6W
R155	1-259-424-11	CARBON 680	5% 1/6W	R321	1-259-460-11	CARBON 22K	5% 1/6W
			(P26)	R322	1-259-460-11	CARBON 22K	5% 1/6W
R156	1-259-452-11	CARBON 10K	5% 1/6W				
R157	1-259-452-11	CARBON 10K	5% 1/6W				
R158	1-259-460-11	CARBON 22K	5% 1/6W				

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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
< VARIABLE RESISTOR >				< DIODE >			
RV101	1-238-597-11	RES, ADJ, CARBON 1K		D801	8-719-302-38	DIODE RBV-602-01	(P15)
RV201	1-238-597-11	RES, ADJ, CARBON 1K		D801	8-719-060-53	DIODE RBV-2506	(P26)
*****				D802	8-719-302-38	DIODE RBV-602-01	(P15)
*****				D802	8-719-060-53	DIODE RBV-2506	(P26)
*	A-4591-002-A	PS BOARD, COMPLETE	(P15)	D811	8-719-200-82	DIODE 11ES2	
*****				D812	8-719-200-82	DIODE 11ES2	
*	A-4591-016-A	PS BOARD, COMPLETE	(P26)	D813	8-719-200-82	DIODE 11ES2	
*****				D814	8-719-200-82	DIODE 11ES2	
< CAPACITOR >				D821	8-719-200-82	DIODE 11ES2	
C801	1-136-189-00	FILM	0.1uF 10% 250V	D822	8-719-200-82	DIODE 11ES2	
C802	1-136-189-00	FILM	0.1uF 10% 250V	D823	8-719-200-82	DIODE 11ES2	
C803	1-136-189-00	FILM	0.1uF 10% 250V	D824	8-719-200-82	DIODE 11ES2	
C804	1-136-189-00	FILM	0.1uF 10% 250V	D825	8-719-001-94	DIODE UZL-15H	
C805	1-117-907-11	ELECT	6800uF 20% 80V	D826	8-719-001-94	DIODE UZL-15H	
C806	1-117-907-11	ELECT	6800uF 20% 80V	D841	8-719-200-82	DIODE 11ES2	
C807	1-117-906-11	ELECT	10000uF 20% 63V	D842	8-719-200-82	DIODE 11ES2	
C807	1-117-907-11	ELECT	6800uF 20% 80V	D843	8-719-200-82	DIODE 11ES2	
C808	1-117-906-11	ELECT	10000uF 20% 63V	D851	8-719-815-85	DIODE 1S1585	
C808	1-117-907-11	ELECT	6800uF 20% 80V	D852	8-719-815-85	DIODE 1S1585	
C811	1-136-187-91	FILM	0.047uF 10% 250V	D855	8-719-815-85	DIODE 1S1585	
C812	1-136-187-91	FILM	0.047uF 10% 250V	D856	8-719-815-85	DIODE 1S1585	
C813	1-126-079-11	ELECT	330uF 20% 100V	D871	8-719-815-85	DIODE 1S1585	
C814	1-126-079-11	ELECT	330uF 20% 100V	D872	8-719-815-85	DIODE 1S1585	(P26)
C821	1-136-187-91	FILM	0.047uF 10% 250V	D873	8-719-815-85	DIODE 1S1585	(P26)
C822	1-136-187-91	FILM	0.047uF 10% 250V	< GROUND PLATE >			
C823	1-126-104-11	ELECT	470uF 20% 35V	* EP801	4-916-791-01	PLATE, GROUND, 5P	
C824	1-126-104-11	ELECT	470uF 20% 35V	< IC >			
C825	1-126-163-11	ELECT	4.7uF 20% 50V	IC871	8-759-231-58	IC TA7812S	
C826	1-126-163-11	ELECT	4.7uF 20% 50V	< TRANSISTOR >			
C827	1-162-815-11	CERAMIC	47PF 5% 500V	Q821	8-729-140-96	TRANSISTOR 2SD774-34	
C828	1-162-815-11	CERAMIC	47PF 5% 500V	Q822	8-729-140-93	TRANSISTOR 2SB733-34	
C841	1-126-040-11	ELECT	1000uF 20% 35V	Q851	8-729-205-84	TRANSISTOR 2SC2458L-BL-TPE4	
C842	1-126-070-11	ELECT	2.2uF 20% 100V	Q852	8-729-205-84	TRANSISTOR 2SC2458L-BL-TPE4	
C855	1-126-070-11	ELECT	2.2uF 20% 100V	Q855	8-729-029-67	TRANSISTOR DTC114ESA-TP	
C856	1-126-070-11	ELECT	2.2uF 20% 100V	Q856	8-729-029-67	TRANSISTOR DTC114ESA-TP	
C871	1-136-165-00	FILM	0.1uF 5% 50V	Q857	8-729-029-67	TRANSISTOR DTC114ESA-TP	
C872	1-126-024-11	ELECT	220uF 20% 25V	Q858	8-729-029-67	TRANSISTOR DTC114ESA-TP	
< CONNECTOR >				Q861	8-729-029-67	TRANSISTOR DTC114ESA-TP	
* CN801	1-770-291-11	PIN, CONNECTOR (PC BOARD) 7P		Q862	8-729-029-67	TRANSISTOR DTC114ESA-TP	
* CN802	1-691-757-11	PIN, CONNECTOR (PC BOARD) 8P		Q871	8-729-029-67	TRANSISTOR DTC114ESA-TP	
* CN803	1-766-176-11	PIN, CONNECTOR (PC BOARD) 6P		Q872	8-729-140-96	TRANSISTOR 2SD774-34	
* CN804	1-580-838-11	PIN, CONNECTOR (PC BOARD) 4P		< RESISTOR >			
* CN811	1-564-507-11	PLUG, CONNECTOR 4P		R801	1-249-967-11	CARBON 68K 1% 1/4W	
* CN821	1-564-508-11	PLUG, CONNECTOR 5P		R802	1-249-967-11	CARBON 68K 1% 1/4W	
* CN851	1-564-512-11	PLUG, CONNECTOR 9P		R821	1-259-436-11	CARBON 2.2K 5% 1/6W	
CN852	1-564-513-11	PLUG, CONNECTOR 10P		R822	1-259-436-11	CARBON 2.2K 5% 1/6W	
* CN871	1-564-505-11	PLUG, CONNECTOR 2P		△ R823	1-219-165-11	FUSIBLE 1 5% 1/2W F	
CN872	1-564-506-11	PLUG, CONNECTOR 3P					

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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
△ R824	1-219-165-11	FUSIBLE	1 5% 1/2W F	< RESISTOR >			
R851	1-259-468-11	CARBON	47K 5% 1/6W	R511	1-259-428-11	CARBON 1K 5% 1/6W	
R852	1-259-468-11	CARBON	47K 5% 1/6W	R512	1-259-476-11	CARBON 100K 5% 1/6W	
R853	1-259-468-11	CARBON	47K 5% 1/6W	R513	1-259-412-11	CARBON 220 5% 1/6W	
R854	1-259-468-11	CARBON	47K 5% 1/6W	R515	1-259-438-11	CARBON 2.7K 5% 1/6W	
R855	1-259-452-11	CARBON	10K 5% 1/6W	R516	1-249-721-11	CARBON 100K 5% 1/2W	
R856	1-259-452-11	CARBON	10K 5% 1/6W	R561	1-259-428-11	CARBON 1K 5% 1/6W	
R861	1-259-436-11	CARBON	2.2K 5% 1/6W	R562	1-259-476-11	CARBON 100K 5% 1/6W	
R862	1-259-452-11	CARBON	10K 5% 1/6W	R563	1-259-412-11	CARBON 220 5% 1/6W	
R874	1-215-884-11	METAL OXIDE	47 5% 2W F (P15)	R565	1-259-438-11	CARBON 2.7K 5% 1/6W	
R874	1-216-449-11	METAL OXIDE	56 5% 2W F (P26)	R566	1-249-721-11	CARBON 100K 5% 1/2W	
R875	1-215-884-11	METAL OXIDE	47 5% 2W F (P15)	*****			
R875	1-216-449-11	METAL OXIDE	56 5% 2W F (P26)	* 1-666-713-11	T1 BOARD	*****	(P15)
< THERMISTOR(POSITIVE) >				* 1-666-713-21	T1 BOARD	*****	(P26)
THP811	1-806-881-11	THERMISTOR, POSITIVE 2.2		< CONNECTOR >			
THP812	1-806-881-11	THERMISTOR, POSITIVE 2.2		CN901	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
*****				< FUSE >			
* 1-666-803-11	A-CLASS BOARD	*****	(P15)	△ F901	1-532-286-00	FUSE, TIME-LAG T 2.5AL	(P15:AEP)
* 1-666-803-21	A-CLASS BOARD	*****	(P26)	△ F901	1-532-350-11	FUSE, TIME-LAG T 4AL/250V	(P26:AEP)
< CAPACITOR >				△ F901	1-532-747-11	FUSE, GLASS TUBE 125V/5A	(P15:E)
C511	1-101-810-00	CERAMIC	100PF 5% 500V	△ F901	1-576-048-11	FUSE, GLASS TUBE 125V/10A	(P26:E)
C512	1-126-022-11	ELECT	47uF 20% 25V	< FUSE HOLDER >			
C513	1-137-365-11	FILM	0.0015uF 5% 50V	FH901	1-533-233-11	HOLDER, FUSE	
C514	1-101-810-00	CERAMIC	100PF 5% 500V	FH902	1-533-233-11	HOLDER, FUSE	
C515	1-126-022-11	ELECT	47uF 20% 25V	*****			
C516	1-102-230-00	CERAMIC	4PF 0.25PF 500V	* 1-666-714-11	T2 BOARD	*****	(P15)
C561	1-101-810-00	CERAMIC	100PF 5% 500V	* 1-666-714-21	T2 BOARD	*****	(P26)
C562	1-126-022-11	ELECT	47uF 20% 25V	< CONNECTOR >			
C563	1-137-365-11	FILM	0.0015uF 5% 50V	* CN911	1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C564	1-101-810-00	CERAMIC	100PF 5% 500V	< FUSE >			
C565	1-126-022-11	ELECT	47uF 20% 25V	△ F911	1-532-286-00	FUSE, TIME-LAG T 2.5AL	(P15:AEP)
C566	1-102-230-00	CERAMIC	4PF 0.25PF 500V	△ F911	1-532-350-11	FUSE, TIME-LAG T 4AL/250V	(P26:AEP)
< CONNECTOR >				△ F911	1-532-747-11	FUSE, GLASS TUBE 125V/5A	(P15:E)
* CN511	1-564-507-11	PLUG, CONNECTOR 4P		△ F911	1-576-048-11	FUSE, GLASS TUBE 125V/10A	(P26:E)
* CN512	1-564-507-11	PLUG, CONNECTOR 4P		< FUSE HOLDER >			
* CN513	1-565-497-11	CONNECTOR, BOARD TO BOARD 6P		FH911	1-533-233-11	HOLDER, FUSE	
< DIODE >				FH912	1-533-233-11	HOLDER, FUSE	
D511	8-719-200-82	DIODE 11ES2		*****			
D512	8-719-200-82	DIODE 11ES2		*****			
D561	8-719-200-82	DIODE 11ES2		*****			
D562	8-719-200-82	DIODE 11ES2		*****			
< IC >				*****			
IC511	8-749-011-16	IC STK350-230	(P15)	*****			
IC511	8-749-013-98	IC STK350-250	(P26)	*****			
IC561	8-749-011-16	IC STK350-230	(P15)	*****			
IC561	8-749-013-98	IC STK350-250	(P26)	*****			

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

TH	INPUT	JACK
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Ref. No.	Part No.	Description	Remarks	Ref. No.	Part No.	Description	Remarks
*	1-666-721-11	TH BOARD *****	(P15)			< IC >	
*	1-666-721-21	TH BOARD *****	(P26)	IC401	8-759-634-51	IC M5218AP	
				IC402	8-759-634-51	IC M5218AP	
				IC451	8-759-634-51	IC M5218AP	
				IC452	8-759-634-51	IC M5218AP	
		< THERMOSTAT >				< RESISTOR >	
S751	1-533-876-11	THERMOSTAT		R401	1-259-380-11	CARBON 10 5%	1/6W
S752	1-533-875-11	THERMOSTAT		R402	1-259-380-11	CARBON 10 5%	1/6W
*****				R405	1-259-460-11	CARBON 22K 5%	1/6W
*	A-4591-006-A	COMBINED INPUT BOARD, COMPLETE ***** (including INPUT BOARD)		R406	1-259-460-11	CARBON 22K 5%	1/6W
		INPUT BOARD *****		R407	1-259-428-11	CARBON 1K 5%	1/6W
		< CAPACITOR >		R408	1-259-428-11	CARBON 1K 5%	1/6W
C401	1-102-973-00	CERAMIC 100PF 5% 50V		R409	1-259-452-11	CARBON 10K 5%	1/6W
C402	1-102-973-00	CERAMIC 100PF 5% 50V		R410	1-259-452-11	CARBON 10K 5%	1/6W
C405	1-126-059-11	ELECT 10uF 20% 63V		R411	1-259-452-11	CARBON 10K 5%	1/6W
C406	1-126-059-11	ELECT 10uF 20% 63V		R412	1-259-452-11	CARBON 10K 5%	1/6W
C407	1-126-059-11	ELECT 10uF 20% 63V		R421	1-259-492-11	CARBON 470K 5%	1/6W
C411	1-102-947-00	CERAMIC 10PF 5% 50V		R422	1-259-452-11	CARBON 10K 5%	1/6W
C412	1-102-947-00	CERAMIC 10PF 5% 50V		R423	1-259-452-11	CARBON 10K 5%	1/6W
C421	1-126-059-11	ELECT 10uF 20% 63V		R424	1-259-492-11	CARBON 470K 5%	1/6W
C422	1-126-059-11	ELECT 10uF 20% 63V		R451	1-259-380-11	CARBON 10 5%	1/6W
C451	1-102-973-00	CERAMIC 100PF 5% 50V		R452	1-259-380-11	CARBON 10 5%	1/6W
C452	1-102-973-00	CERAMIC 100PF 5% 50V		R455	1-259-460-11	CARBON 22K 5%	1/6W
C455	1-126-059-11	ELECT 10uF 20% 63V		R456	1-259-460-11	CARBON 22K 5%	1/6W
C456	1-126-059-11	ELECT 10uF 20% 63V		R457	1-259-428-11	CARBON 1K 5%	1/6W
C457	1-126-059-11	ELECT 10uF 20% 63V		R458	1-259-428-11	CARBON 1K 5%	1/6W
C461	1-102-947-00	CERAMIC 10PF 5% 50V		R459	1-259-452-11	CARBON 10K 5%	1/6W
C462	1-102-947-00	CERAMIC 10PF 5% 50V		R460	1-259-452-11	CARBON 10K 5%	1/6W
C490	1-136-165-00	FILM 0.1uF 5% 50V		R461	1-259-452-11	CARBON 10K 5%	1/6W
C491	1-126-026-11	ELECT 470uF 20% 25V		R462	1-259-452-11	CARBON 10K 5%	1/6W
C492	1-126-026-11	ELECT 470uF 20% 25V				< SWITCH >	
		< CONNECTOR >		S452	1-762-181-11	SWITCH, SLIDE (OPERATION)	*****
* CN401	1-778-307-21	CONNECTOR (RECEPTACLE) 3P		*	1-666-717-11	JACK BOARD *****	
CN403	1-564-506-11	PLUG, CONNECTOR 3P				< CAPACITOR >	
* CN405	1-565-495-11	CONNECTOR, BOARD TO BOARD 4P		C481	1-102-973-00	CERAMIC 100PF 5% 50V	
* CN411	1-564-507-11	PLUG, CONNECTOR 4P		C482	1-102-973-00	CERAMIC 100PF 5% 50V	
* CN451	1-778-307-21	CONNECTOR (RECEPTACLE) 3P		C483	1-102-973-00	CERAMIC 100PF 5% 50V	
* CN453	1-564-506-11	PLUG, CONNECTOR 3P		C484	1-102-973-00	CERAMIC 100PF 5% 50V	
* CN455	1-565-495-11	CONNECTOR, BOARD TO BOARD 4P				< CONNECTOR >	
* CN491	1-564-508-11	PLUG, CONNECTOR 5P		* CN481	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
* CN492	1-564-507-11	PLUG, CONNECTOR 4P		* CN482	1-565-480-11	CONNECTOR, BOARD TO BOARD 4P	
		< DIODE >				< JACK >	
D401	8-719-001-94	DIODE UZL-15H		J481	1-507-796-71	JACK (INPUT CH-1)	
D402	8-719-001-94	DIODE UZL-15H		J482	1-507-796-71	JACK (INPUT CH-2)	
D403	8-719-001-94	DIODE UZL-15H				< RESISTOR >	
D404	8-719-001-94	DIODE UZL-15H		R481	1-259-380-11	CARBON 10 5%	1/6W
D451	8-719-001-94	DIODE UZL-15H		R482	1-259-380-11	CARBON 10 5%	1/6W
D452	8-719-001-94	DIODE UZL-15H		R483	1-259-380-11	CARBON 10 5%	1/6W
D453	8-719-001-94	DIODE UZL-15H		R484	1-259-380-11	CARBON 10 5%	1/6W
D454	8-719-001-94	DIODE UZL-15H					

JACK

LED

SP

SW

VOL1

VOL2

Ref. No.	Part No.	Description	Remarks
		< TERMINAL >	
TM481	1-694-335-11	TERMINAL BOARD (INPUT CH-1)	
TM482	1-694-335-11	TERMINAL BOARD (INPUT CH-2)	

*	1-666-720-11	LED BOARD	

		< CAPACITOR >	
C701	1-124-584-00	ELECT 100uF 20% 10V	
C702	1-124-584-00	ELECT 100uF 20% 10V	
		< CONNECTOR >	
* CN701	1-564-525-11	PLUG, CONNECTOR 10P	
		< DIODE >	
D701	8-719-058-03	DIODE SEL5423E-TP15 (ON)	
D702	8-719-058-04	DIODE SEL5223S-TP15 (CH-1 CLIP)	
D703	8-719-058-04	DIODE SEL5223S-TP15 (CH-2 CLIP)	
D704	8-719-058-04	DIODE SEL5223S-TP15 (CH-1 PROTECTION)	
D705	8-719-058-04	DIODE SEL5223S-TP15 (CH-2 PROTECTION)	
D706	8-719-058-04	DIODE SEL5223S-TP15 (OVER HEAT)	
D707	8-719-058-03	DIODE SEL5423E-TP15 (CH-1 SIGNAL)	
D708	8-719-058-03	DIODE SEL5423E-TP15 (CH-2 SIGNAL)	
D709	8-719-058-03	DIODE SEL5423E-TP15 (MONO)	
		< RESISTOR >	
R701	1-259-440-11	CARBON 3.3K 5% 1/6W	
R702	1-259-440-11	CARBON 3.3K 5% 1/6W	
R703	1-259-440-11	CARBON 3.3K 5% 1/6W	
R704	1-259-440-11	CARBON 3.3K 5% 1/6W	
R705	1-259-440-11	CARBON 3.3K 5% 1/6W	
R706	1-259-440-11	CARBON 3.3K 5% 1/6W	
R707	1-259-440-11	CARBON 3.3K 5% 1/6W	
R708	1-259-440-11	CARBON 3.3K 5% 1/6W	
R709	1-259-440-11	CARBON 3.3K 5% 1/6W	

*	1-666-722-11	SP BOARD	

		< CAPACITOR >	
C601	1-136-165-00	FILM 0.1uF 5% 50V	
C602	1-136-165-00	FILM 0.1uF 5% 50V	
C651	1-136-165-00	FILM 0.1uF 5% 50V	
C652	1-136-165-00	FILM 0.1uF 5% 50V	
		< CONNECTOR >	
* CN602	1-564-505-11	PLUG, CONNECTOR 2P	
* CN603	1-691-959-11	PIN, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D601	8-719-200-82	DIODE 11ES2	
D602	8-719-200-82	DIODE 11ES2	

Ref. No.	Part No.	Description	Remarks
		< JACK >	
J611	1-774-508-11	CONNECTOR, SPEAKER (NL4MP)	(OUTPUT CH-1)
J612	1-774-508-11	CONNECTOR, SPEAKER (NL4MP)	(OUTPUT CH-2)
J613	1-774-508-11	CONNECTOR, SPEAKER (NL4MP)	(OUTPUT MONO)
		< COIL >	
L601	1-411-766-11	COIL, AIR-CORE 2.2uH	
L651	1-411-766-11	COIL, AIR-CORE 2.2uH	
		< RESISTOR >	
R601	1-215-880-00	METAL OXIDE 10 5% 2W F	
R602	1-247-688-11	CARBON 10 5% 1/4W F	
R651	1-215-880-00	METAL OXIDE 10 5% 2W F	
R652	1-247-688-11	CARBON 10 5% 1/4W F	
		< RELAY >	
RY601	1-755-141-11	RELAY	
RY651	1-755-141-11	RELAY	
		< TERMINAL >	
TM601	1-694-225-11	TERMINAL BOARD (SP) (OUTPUT)	

*	1-666-715-11	SW BOARD	

		< CONNECTOR >	
CN951	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
		< SWITCH >	
△ S951	1-771-187-11	SWITCH, AC POWER (POWER)	

*	1-666-718-11	VOL1 BOARD	

		< CONNECTOR >	
CN501	1-564-506-11	PLUG, CONNECTOR 3P	
		< VARIABLE RESISTOR >	
RV501	1-225-501-11	RES, VAR, CARBON 50K (CH-1 ATTENUATOR)	

*	1-666-719-11	VOL2 BOARD	

		< CONNECTOR >	
* CN502	1-564-506-11	PLUG, CONNECTOR 3P	
		< VARIABLE RESISTOR >	
RV502	1-225-501-11	RES, VAR, CARBON 50K (CH-2 ATTENUATOR)	

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Ref. No.	Part No.	Description	Remarks
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MISCELLANEOUS

△ CP901	1-559-479-11	CORD, POWER	(P15:E/P26:E)
△ CP901	1-575-953-11	CORD, POWER	(P15:AEP/P26:AEP)
M901	1-541-944-11	FAN	
△ T901	1-431-485-11	TRANSFORMER, POWER	(P26:E)
△ T901	1-431-486-11	TRANSFORMER, POWER	(P15:AEP)

△ T901	1-431-487-11	TRANSFORMER, POWER	(P15:E)
△ T901	1-431-488-11	TRANSFORMER, POWER	(P26:AEP)
△ T911	1-431-485-11	TRANSFORMER, POWER	(P26:E)
△ T911	1-431-486-11	TRANSFORMER, POWER	(P15:AEP)
△ T911	1-431-487-11	TRANSFORMER, POWER	(P15:E)

△ T911	1-431-488-11	TRANSFORMER, POWER	(P26:AEP)
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ACCESSORIES & PACKING MATERIALS

*	2-338-185-01	FOOT	
	2-344-393-11	INSTRUCTION (WARNING)	(P15:AEP/P26:AEP)
	2-344-393-21	INSTRUCTION (WARNING)	(P15:E/P26:E)
	2-346-117-11	MANUAL, INSTRUCTION (ENGLISH)	

HARDWARE LIST

#1	7-685-871-09	SCREW +BVTT 3X6 (S)
#2	7-682-547-09	SCREW (M 3X6), S TITE, + BTT
#3	7-685-650-79	SCREW +BVTP 3X16 TYPE2 TT(B)
#4	7-685-872-01	SCREW +BVTT 3X8 (S)
#5	7-685-647-79	SCREW +BVTP 3X10 TYPE2 TT(B)
#6	7-685-881-09	SCREW +BVTT 4X8 (S)
#7	7-685-671-19	SCREW +BVTP 5X10 TYPE2 N-S
#9	7-685-874-09	SCREW +BVTT 3X12 (S)

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