

Ver. 1

SERVICE MANUAL

MODEL DN-A100

INTEGRATED STEREO AMPLIFIER

注意

サービスをおこなう前に、このサービスマニュアルを必ずお読みください。本機は、火災、感電、けがなどに対する安全性を確保するために、さまざまな配慮をおこなっており、また法的には「電気用品安全法」にもとづき、所定の許可を得て製造されております。従ってサービスをおこなう際は、これらの安全性が維持されるよう、このサービスマニュアルに記載されている注意事項を必ずお守りください。

● For purposes of improvement, specifications and design are subject to change without notice.

● Please use this service manual with referring to the operating instructions without fail.

● Some illustrations using in this service manual are slightly different from the actual set.

● 本機の仕様は性能改良のため、予告なく変更することがあります。
● 補修用性能部品の保有期間は、製造打切後8年です。

● 修理の際は、必ず取扱説明書を参照の上、作業を行ってください。

● 本文中に使用しているイラストは、説明の都合上現物と多少異なる場合があります。

D&M Holdings Inc.
PROFESSIONAL BUSINESS COMPANY

TOKYO, JAPAN

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

CAUTION Please heed the points listed below during servicing and inspection.

◎ Heed the cautions!

Spots requiring particular attention when servicing, such as the cabinet, parts, chassis, etc., have cautions indicated on labels or seals. Be sure to heed these cautions and the cautions indicated in the handling instructions.

◎ Caution concerning electric shock!


(1) An AC voltage is impressed on this set, so touching internal metal parts when the set is energized could cause electric shock. Take care to avoid electric shock, by for example using an isolating transformer and gloves when servicing while the set is energized, unplugging the power cord when replacing parts, etc.

(2) There are high voltage parts inside. Handle with extra care when the set is energized.

◎ Caution concerning disassembly and assembly!

Though great care is taken when manufacturing parts from sheet metal, there may in some rare cases be burrs on the edges of parts which could cause injury if fingers are moved across them. Use gloves to protect your hands.

◎ Only use designated parts!

The set's parts have specific safety properties (fire resistance, voltage resistance, etc.). For replacement parts, be sure to use parts which have the same properties. In particular, for the important safety parts that are marked  on wiring diagrams and parts lists, be sure to use the designated parts.

◎ Be sure to mount parts and arrange the wires as they were originally!

For safety reasons, some parts use tape, tubes or other insulating materials, and some parts are mounted away from the surface of printed circuit boards. Care is also taken with the positions of the wires inside and clamps are used to keep wires away from heating and high voltage parts, so be sure to set everything back as it was originally.

◎ Inspect for safety after servicing!


Check that all screws, parts and wires removed or disconnected for servicing have been put back in their original positions, inspect that no parts around the area that has been serviced have been negatively affected, conduct an insulation check on the external metal connectors and between the blades of the power plug, and otherwise check that safety is ensured.

(Insulation check procedure)

Unplug the power cord from the power outlet, disconnect the antenna, plugs, etc., and turn the power switch on. Using a 500V insulation resistance tester, check that the insulation resistance between the terminals of the power plug and the externally exposed metal parts (antenna terminal, headphones terminal, microphone terminal, input terminal, etc.) is 1MΩ or greater. If it is less, the set must be inspected and repaired.

CAUTION Concerning important safety parts

Many of the electric and structural parts used in the set have special safety properties. In most cases these properties are difficult to distinguish by sight, and using replacement parts with higher ratings (rated power and withstand voltage) does not necessarily guarantee that safety performance will be preserved. Parts with safety properties are indicated as shown below on the wiring diagrams and parts lists in this service manual. Be sure to replace them with parts with the designated part number.

(1) Schematic diagrams ... Indicated by the  mark.

(2) Parts lists ... Indicated by the  mark.

Using parts other than the designated parts could result in electric shock, fires or other dangerous situations.

注意 サービス、点検時にはつぎのことにご注意願います。

◎ 注意事項をお守りください！

サービスのとき特に注意を必要とする個所についてはキャビネット、部品、シャーシなどにラベルや捺印で注意事項を表示しています。これらの注意書きおよび取扱説明書などの注意事項を必ずお守りください。

◎ 感電に注意！


(1) このセットは、交流電圧が印加されていますので通電時に内部金属部に触れると感電することがあります。従って通電サービス時には、絶縁トランスの使用や手袋の着用、部品交換には、電源プラグを抜くなどして感電にご注意ください。

(2) 内部には高電圧の部分がありますので、通電時の取扱には十分ご注意ください。

◎ 分解、組み立て作業時のご注意！

板金部品の端面の『バリ』は、部品製造時に充分管理をしておりますが、板金端面は鋭利となっている箇所がありますので、部品端面に触れたまま指を動かすとまれに怪我をする場合がありますので十分注意して作業して下さい。手の保護のために手袋を着用して下さい。

◎ 指定部品の使用！

セットの部品は難燃性や耐電圧など安全上の特性を持ったものとなっています。従って交換部品は、使用されていたものと同じ特性の部品を使用して下さい。特に配線図、部品表に  印で指定されている安全上重要な部品は必ず指定のものをご使用ください。

◎ 部品の取付けや配線の引きまわしは、元どおりに！

安全上、テープやチューブなどの絶縁材料を使用したり、プリント基板から浮かして取付けた部品があります。また内部配線は引きまわしやクランプによって発熱部品や高圧部品に接近しないように配慮されていますので、これらは必ず元どおりにして下さい。

◎ サービス後は安全点検を！


サービスのために取り外したねじ、部品、配線などが元どおりになっているか、またサービスした個所の周辺を劣化させてしまったところがないかなどを点検し、外部金属端子部と、電源プラグの刃の間の絶縁チェックをおこなうなど、安全性が確保されていることを確認してください。


(絶縁チェックの方法)

電源コンセントから電源プラグを抜き、アンテナやプラグなどを外し、電源スイッチを入れます。500V 絶縁抵抗計を用いて、電源プラグのそれぞれの端子と外部露出金属部 [アンテナ端子、ヘッドホン端子マイク端子、入力端子など] との間で、絶縁抵抗値が 1 MΩ 以上であること、この値以下のときはセットの点検修理が必要です。

注意 安全上重要な部品について

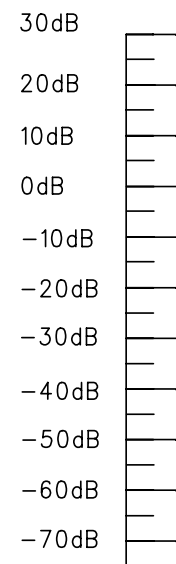
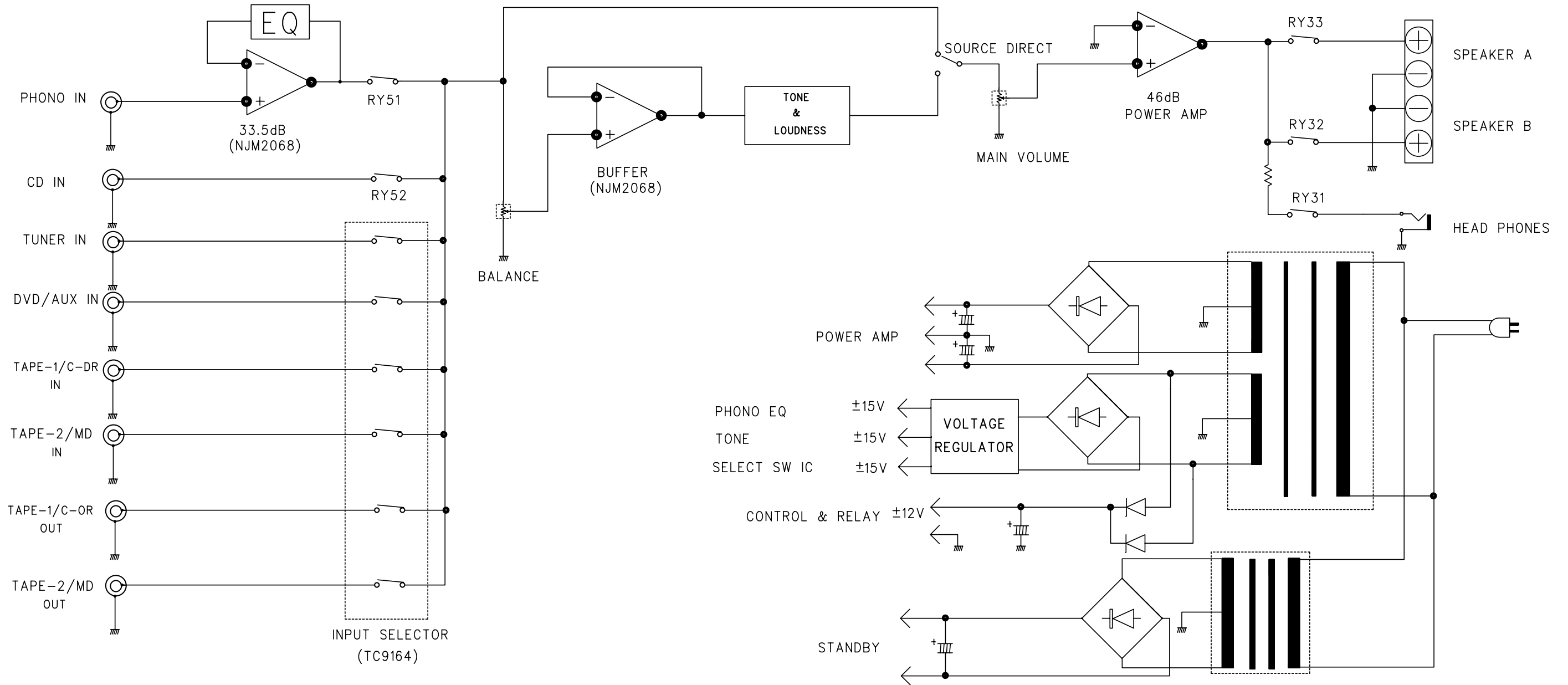
本機に使用している多くの電気部品、および機構部品は安全上、特別な特性を持っています。この特性はほとんどの場合、外観では判別つきにくく、またもとの部品より高い定格（定格電力、耐圧）を持ったものを使用しても安全性が維持されることは、限りません。安全上の特性を持った部品は、このサービスマニュアルの配線図、部品表に同じように表示していますので必ず指定されている部品番号のものを使用願います。

(1) 配線図...  マークで表示しています。

(2) 部品表...  マークで表示しています。

指定された部品と異なるものを使用した場合には、感電、火災などの危険を生じる恐れがあります。

BLOCK AND LEVEL DIAGRAM



CD etc. 125mV(-18.1dB)

MM 1.7mV(-55.40dB)



45W/8ohm 19.0V(25.6dB)

ADJUSTMENT


Idling Current

Required measurement equipment: DC Voltmeter

1. Setup

- (1) Place the unit at an ordinary position avoiding direct air flow from an air-conditioner or fan. Do the adjustment at a temperature between 15 °C (59 °F) and 30 °C (86 °F).
- (2) Set control as follows.
 - POWER switch → OFF ().
 - VOLUME control → fully counterclockwise ( min.)
 - SPEAKER terminals → open: do not connect the speakers, dummy load etc.

2. Adjustment



- (1) Remove top cover. And then connect DC Voltmeter to the test points CN31 and CN32 of CUP11904 Main P.W.B.
- (2) Connect power cord to AC wall outlet, and turn POWER switch "ON" ().
- (3) Right after power on, adjust VR31 and VR32 so that the DC voltmeter reads $10 \pm 1\text{mV}$.
- (4) Then after 2 minutes warm up adjust VR31 and VR32 so that the DC voltmeter reads $10 \pm 1\text{mV}$.
- (5) And after 10 minutes warm up adjust VR31 and VR32 so that the DC voltmeter reads $10 \pm 0.5\text{mV}$.

調整


アイドリング電流

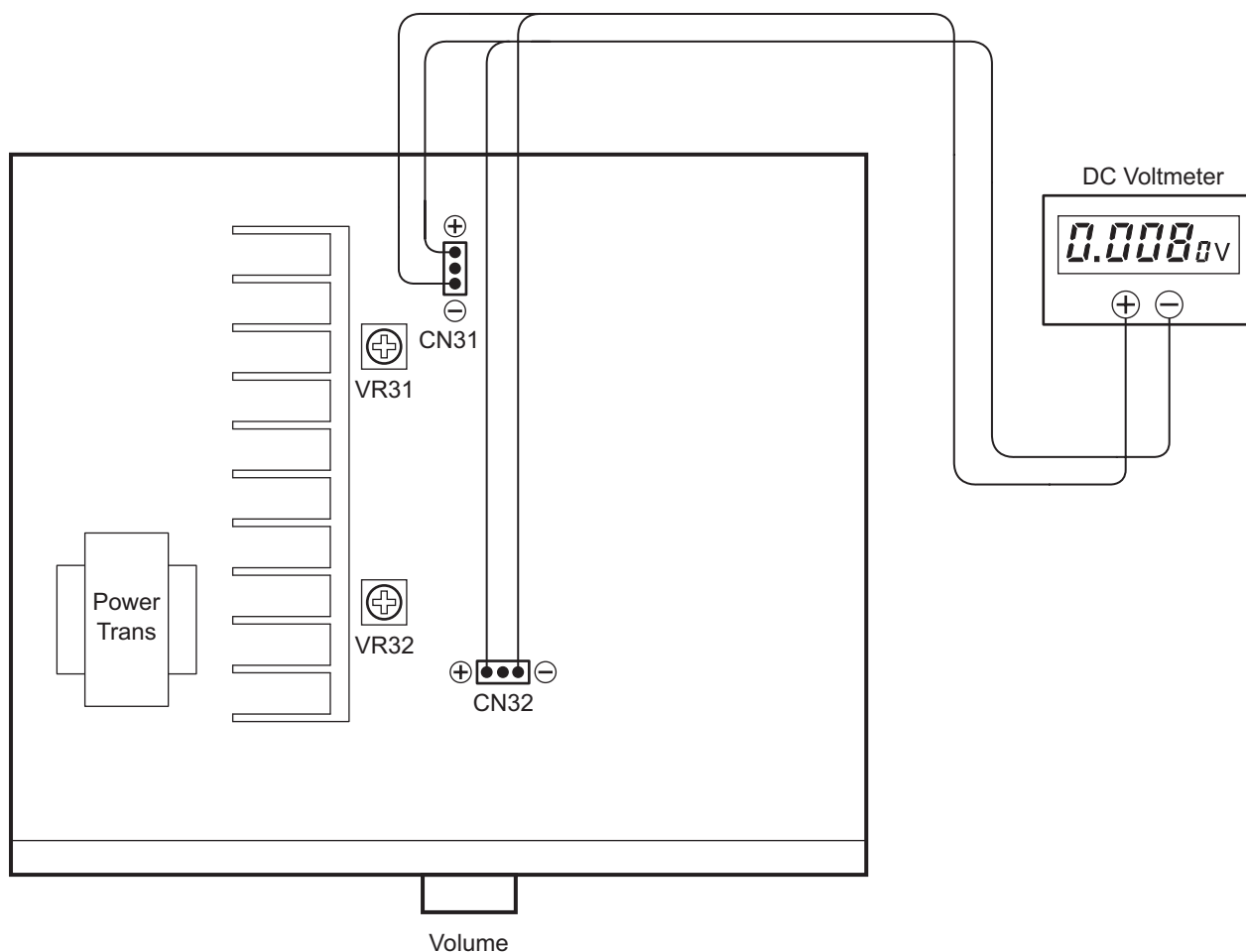
調整に必要な測定器： DC Voltmeter

1. 準備

- (1) セットをクーラ、扇風機のそばなど風通しの良い場所を避け、通常の使用状態に置きます。セットの周囲温度は、15～30℃で調整をおこないます。
- (2) セットのスイッチ類は、次のようにセットします。
 - パワースイッチ → OFF ()。
 - ボリューム調整つまみ → 最小の反時計方向 () にセットします。
 - スピーカ端子 → 無負荷 (スピーカを接続しません。)

2. 調整

- (1) 上カバーをはずし、CUP11904 メイン基板のテストポイント (CN31, CN32) に DC Voltmeter を接続します。
- (2) 電源コードを AC100V (95～105V の範囲でも可) に接続し、電源スイッチを "ON" () にします。
- (3) 通電後にテストポイントの電圧が ($10 \pm 1\text{mV}$) になるよう、VR31・VR32 を調整します。
- (4) 2分後にテストポイントの電圧が ($10 \pm 1\text{mV}$) になるよう、VR31・VR32 を調整します。
- (5) 10分後にテストポイントの電圧が ($10 \pm 0.5\text{mV}$) になるよう、VR31・VR32 を調整します。

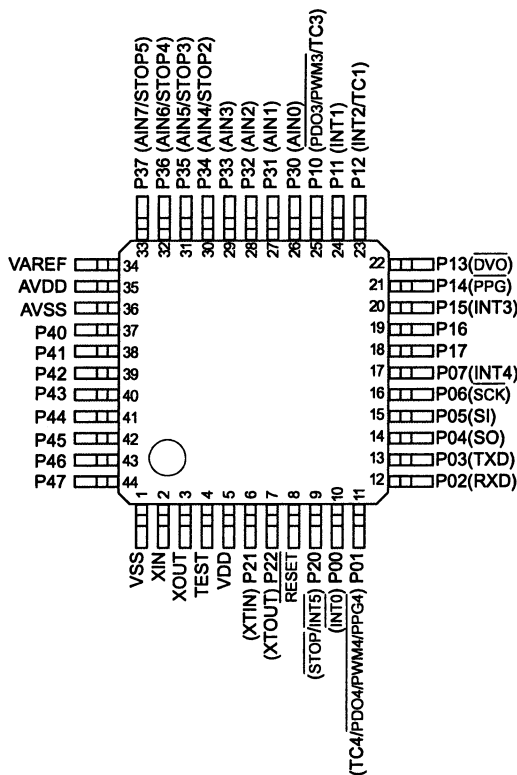


SEMICONDUCTORS

Only major semiconductors are shown, general semiconductors etc. are omitted to list.
 主な半導体を記載しています。汎用の半導体は記載を省略しています。

1. IC's

TMP86FH47AUG (IC51)



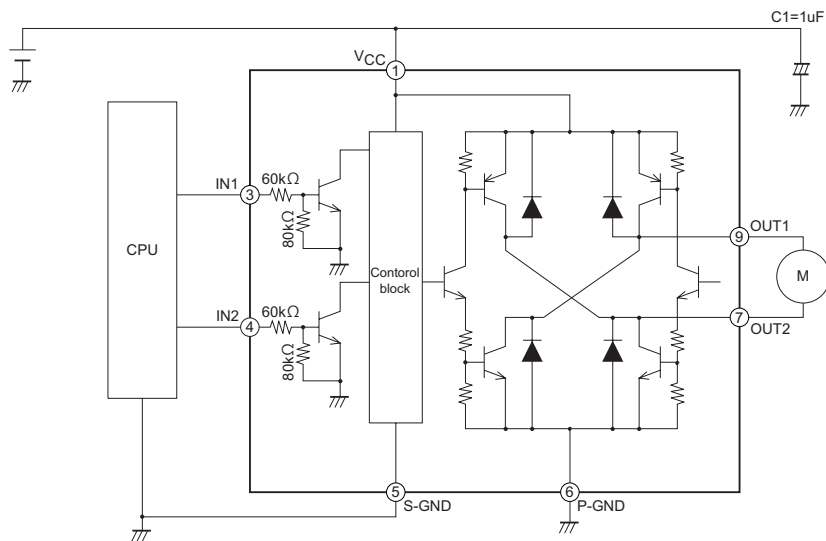
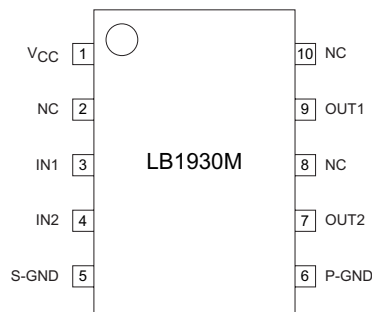
TMP86FH47AUG Terminal Function

Pin No.	Port Name		I/O	Function
1	VSS			VSS
2	XIN			X IN
3	XOUT			X OUT
4	TEST			TEST
5	VDD			VDD
6	P21	XTIN	O	MUTE/STANDBY LED
7	P22	XTOUT	O	
8	RESET		I	RESET
9	P20	INT5	STOP	STOP ACT.
10	P00	INT0		PROTECTOR
11	P01	PDO4/PWM4/PPG4	TC4	P. DIRECT RELAY
12	P02	RXD		RXD
13	P03	TXD		TXD
14	P04	SO		DATA
15	P05	SI		STROBE
16	P06	SCK		CLK
17	P07	INT4		S. DIRECT RELAY
18	P17			P. DIRECT SW
19	P16			S. DIRECT SW
20	P15	INT3		AC RELAY 1
21	P14	PPG		VOLUME UP
22	P13	DVO		VOLUME DOWN
23	P12	INT2	TC1	REMOTE IN

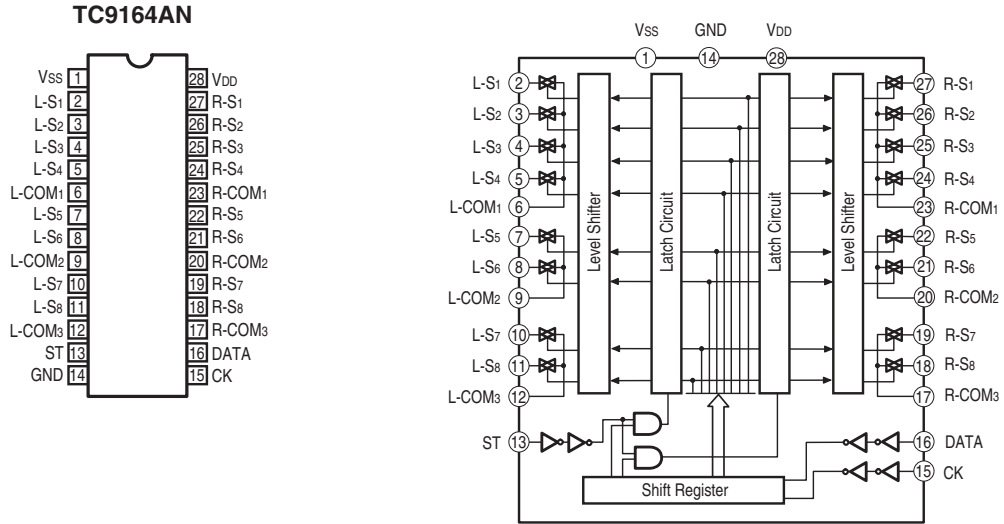
Pin No.	Port Name		I/O	Function	
24	P11	INT1	I	POWER OFF	
25	P10	PDO3/PWM3	TC3	AC RELAY 2	
26	P30	AIN0	AI	MODEL	
27	P31	AIN1	AI	SP A/B	
28	P32	AIN2	AI	REC. SEL	
29	P33	AIN3	AI	FUNC. SEL	
30	P34	AIN4	STOP2	O	H/P MUTE
31	P35	AIN5	STOP3	O	SP A
32	P36	AIN6	STOP4	O	SP B
33	P37	AIN7	STOP5		
34	VAREF			Vref	
35	AVDD			AVDD	
36	AVSS			AVSS	
37	P40		O	PHONO	
38	P41		O	CD	
39	P42		O	TUNER	
40	P43		O	AUX-1	
41	P44		O	AUX-2	
42	P45		O	AUX-3	
43	P46		O	TAPE-1	
44	P47		O	TAPE-2	

LB1930 (IC52)

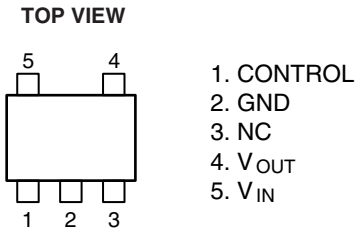
TOP VIEW



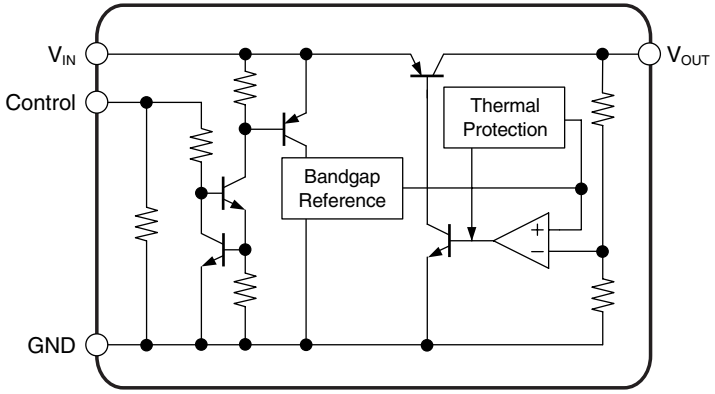
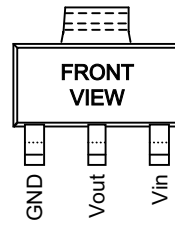
TC9164AN (IC20)



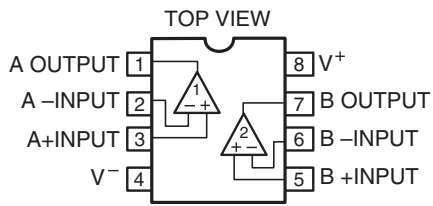
NJM2831F (IC81)



LM1117S (IC53)



NJM2068DD (IC10, 52)

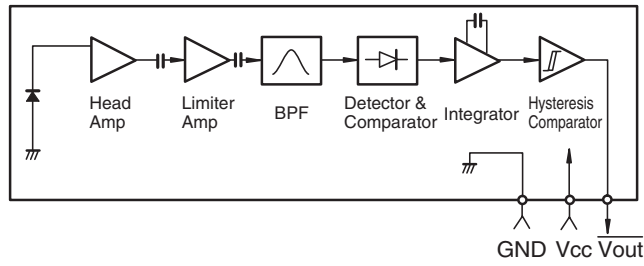
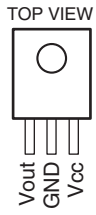


**NJM7806FA(S) (IC92)
 KA7812-ABTU (IC91)**



2. REMOTE CONTROL SENSOR

KSM-603TH2A (RC71)

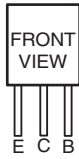


3. TRANSISTORS

KSA916Y
KSA1175Y
KSC2316Y
KSC2785Y
KSC3198Y

KTA1024Y
KTA1268GR
KTC3200GR
KTC3206Y

2SB1383P
2SD2083P
KTC3114A

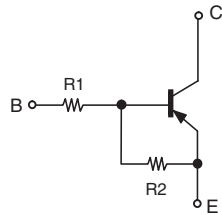


KRA102M
KRC102M



KRA102M

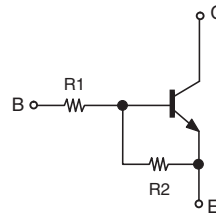
PNP Type



	R1	R2
KRA102M	10kohm	10kohm

KRC102M

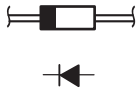
NPN Type



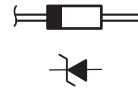
	R1	R2
KRC102M	10kohm	10kohm

4. DIODES (LED included)

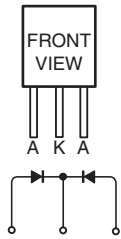
1SS133M
1N4003



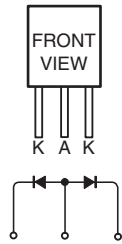
ZJ4.7B
ZJ7.5B
ZJ15B
ZJ16B



FMG-22S



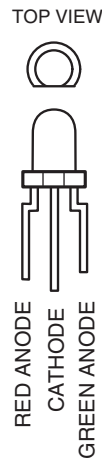
FMG-22R



SEL-2915A (Orange)

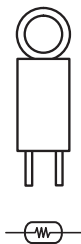


SML1216W (Red/Green)

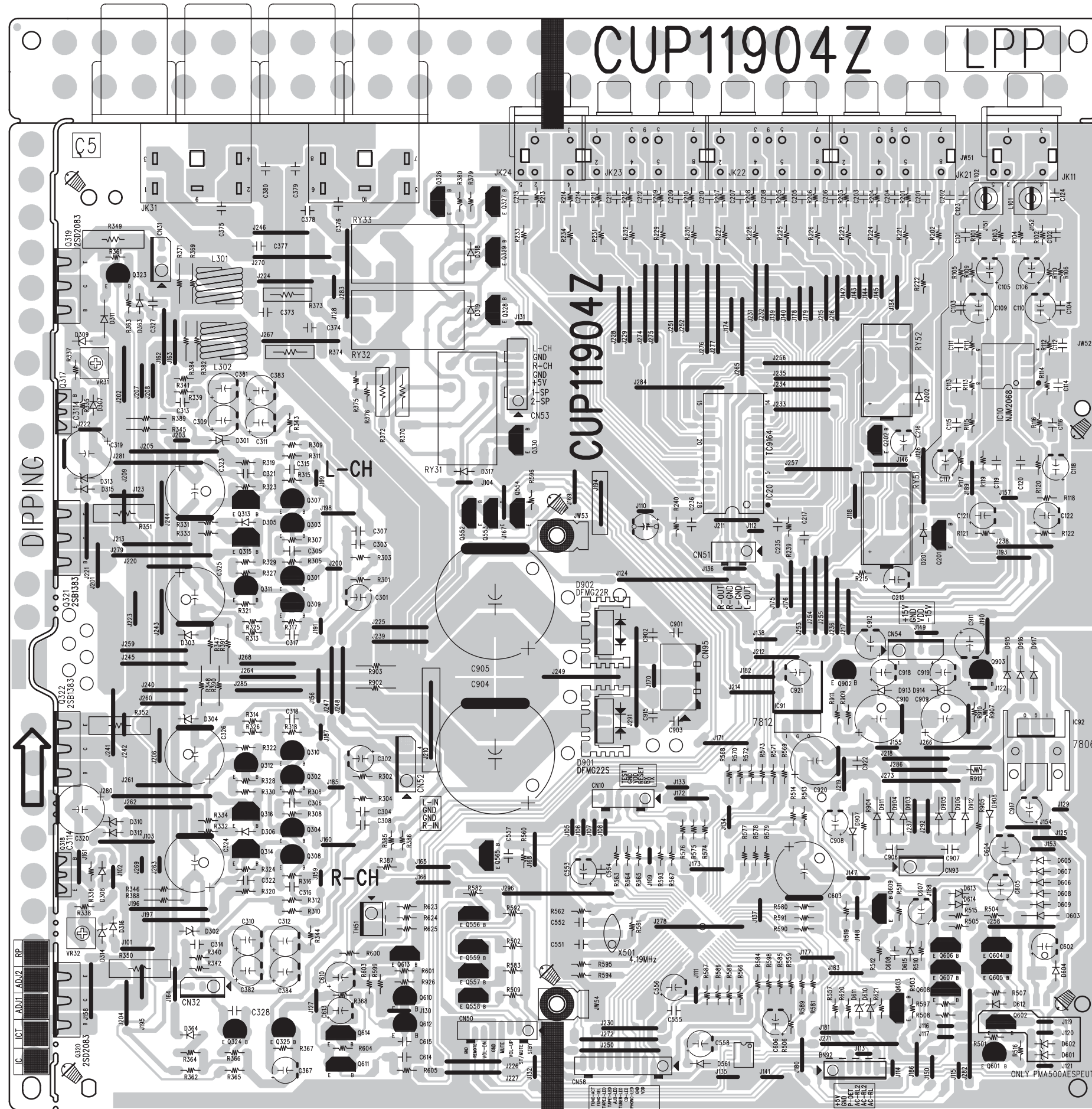


5. POSISTOR

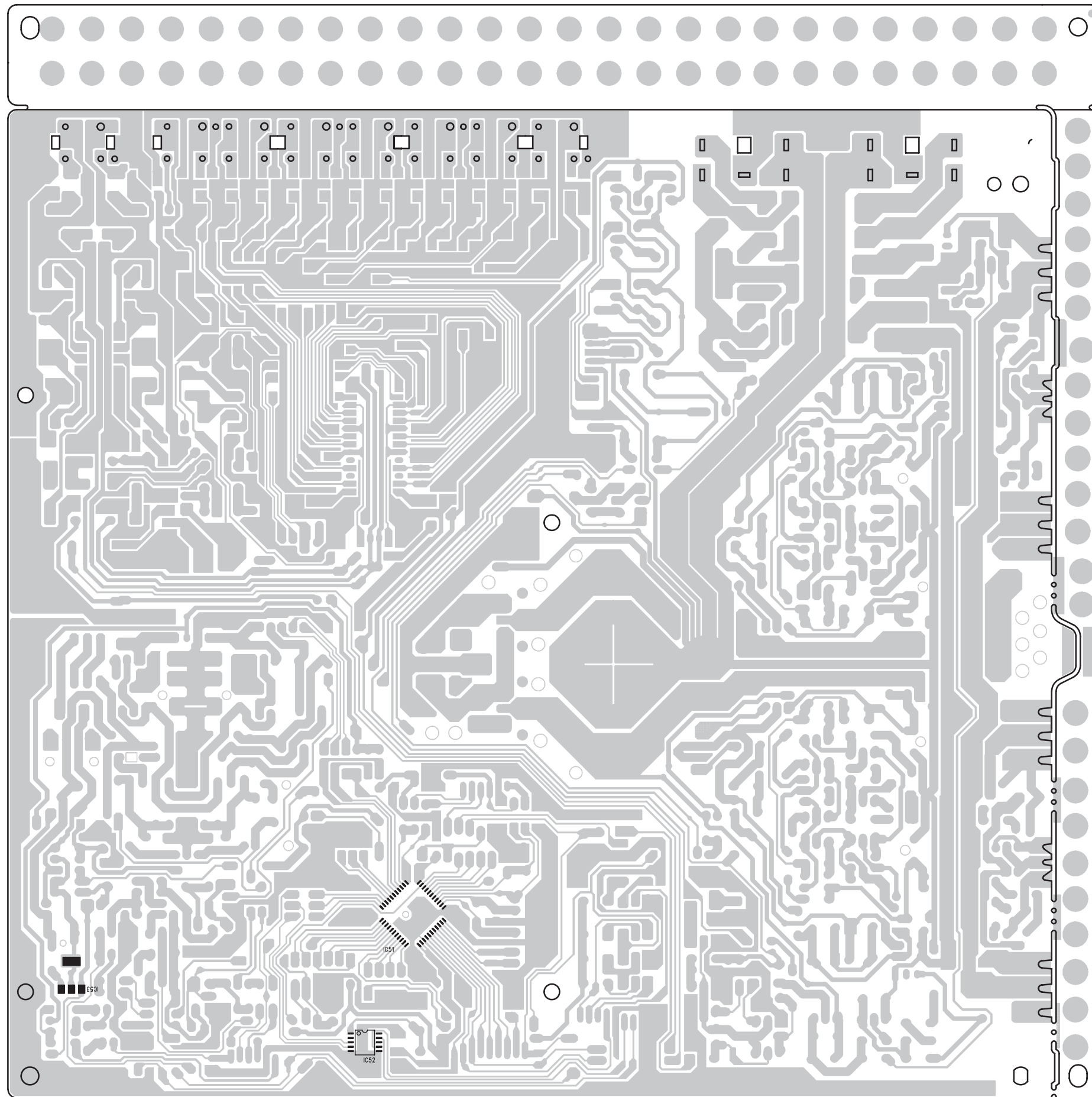
PTFM04BB222QN34 (TH51)



PRINTED WIRING BOARDS
MAIN P.W.B. UNIT

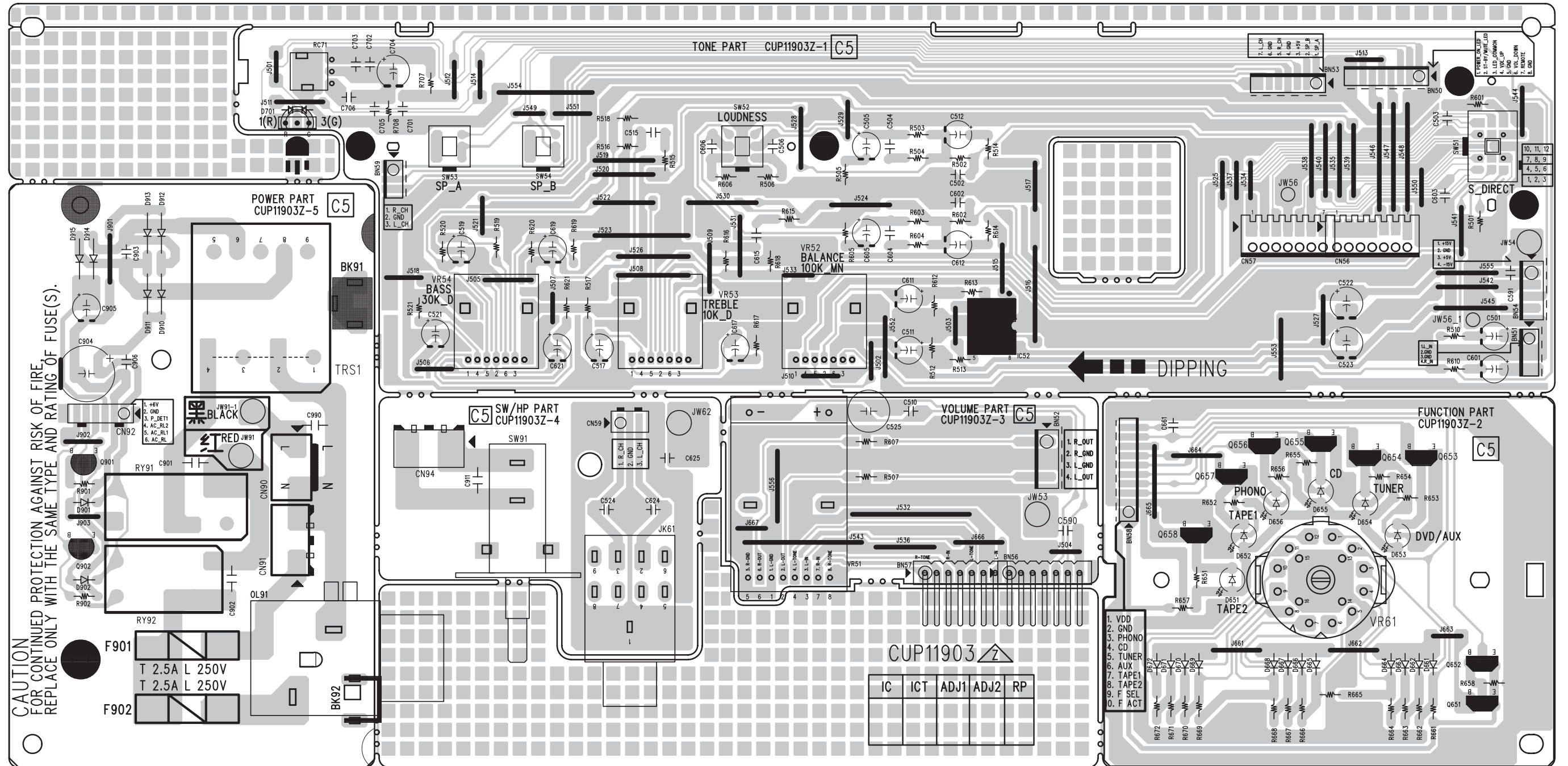


COMPONENT SIDE



FOIL SIDE

FRONT P.W.B. UNIT



COMPONENT SIDE

NOTE FOR PARTS LIST

- Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
 - When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
 - Ordering part without stating its part number can not be supplied.
 - Part indicated with the mark "★" is not illustrated in the exploded view.
 - Not including General-purpose Carbon Film Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
 - Not including General-purpose Carbon Chip Resistor in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)
- WARNING:**
Parts marked with this symbol \triangle have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

● Resistors

Ex.: RN 14K 2E 182 G FR

Type	Shape and performance	Power	Resistance	Allowable error	Others
RD : Carbon RC : Composition RS : Metal oxide film RW : Winding RN : Metal film RK : Metal mixture	2B : 1/8W 2E : 1/4W 2H : 1/2W 3A : 1W 3D : 2W 3F : 3W 3H : 5W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : Pulse-resistant type NL : Low noise type NB : Non-burning type FR : Fuse-resistor F : Lead wire forming		

* Resistance

1 8 2 ⇒ 1800 ohm = 1.8 kohm
Indicates number of zeros after effective number.
2-digit effective number.
Units: ohm

1 R 2 ⇒ 1.2 ohm
1-digit effective number.
2-digit effective number, decimal point indicated by R.
Units: ohm

● Capacitors

Ex.: CE 04W 1H 2R2 M BP

Type	Shape and performance	Dielectric strength	Capacity	Allowable error	Others
CE : Aluminum foil electrolytic CA : Aluminum solid electrolytic CS : Tantalum electrolytic CQ : Film CK : Ceramic CC : Ceramic CP : Oil CM : Mica CF : Metallized CH : Metallized	0J : 6.3V 1A : 10V 1C : 16V 1E : 25V 1V : 35V 1H : 50V 2A : 100V 2B : 125V 2C : 160V 2D : 200V 2E : 250V 2H : 500V 2J : 630V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% -20% P : +100% -0% C : ±0.25pF D : ±0.5pF = : Others	HS : High stability type BP : Non-polar type HR : Ripple-resistant type DL : For change and discharge HF : For assuring high frequency U : UL part C : CSA part W : UL-CSA type F : Lead wire forming		

* Capacity (electrolyte only)

2 2 2 ⇒ 2200μF
Indicates number of zeros after effective number.
2-digit effective number.
Units: μF.

2 R 2 ⇒ 2.2μF
1-digit effective number.
2-digit effective number, decimal point indicated by R.
Units: μF.

* Capacity (except electrolyte)

2 2 2 ⇒ 2200pF=0.0022μF
(More than 2) — Indicates number of zeros after effective number.
2-digit effective number.
Units: pF.

2 2 1 ⇒ 220pF
(0 or 1) — Indicates number of zeros after effective number.
2-digit effective number.
Units: pF.

● When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

部品表について

1. nsp 印の部品は常時在庫していませんので供給に長時間を要することがあります。
場合によっては、供給をお断りすることがあります。
2. 部品を発注する際は特に数字の " 1 " と英字の " I " との区別をはっきり記入してください。
3. 部品番号を表示していない部品は供給できません。
4. \triangle 印の部品は安全上重要な部品です。交換するときは、安全および性能維持のため必ず指定の部品をご使用ください。
5. ★印のついている部品は分解図中には記載していません。
6. 汎用カーボン抵抗器は記載していません。定数は回路図を参照願います。
7. 汎用カーボンチップ抵抗器は記載していません。定数は回路図を参照願います。
8. 部品表の抵抗器、コンデンサの品名記号の読み方は表を参照してください。

● 抵抗器

例) RN 14K 2E 182 G FR

RN	14K	2E	182	G	FR
種類	形状特性	電力	抵抗値	許容差	その他
RD : カーボン RC : 固定体 RS : 金属系皮膜 RW : 巻線 RN : 金属皮膜 RK : 金属混合体	2B : 1/8 W 2E : 1/4 W 2H : 1/2 W 3A : 1 W 3D : 2 W 3F : 3 W 3H : 5 W	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20%	P : 耐パルス形 NL : 低雑音形 NB : 不燃形 FR : ヒューズ抵抗 F : リード線成形		

* 抵抗値

18 2 ⇒ 1800Ω=1.8kΩ
有効数字につづく0の数を表わす。
2桁の有効数字を表わす。

1R 2 ⇒ 1.2Ω
1桁の有効数字を表わす。
2桁の有効数字で小数点はRで表わす。
単位はΩ

● コンデンサ

例) CE 04W 1H 2R2 M BP

CE	04W	1H	2R2	M	BP
種類	形状特性	耐圧	容量	許容差	その他
CE : アルミ箔電解 CA : アルミ固体電解 CS : タンタル電解 CQ : フィルム CK : セラミック CC : セラミック CP : オイル CM : マイカ CF : メタライズド CH : メタライズド	0J : 6.3 V 1A : 10 V 1C : 16 V 1E : 25 V 1V : 35 V 1H : 50 V 2A : 100 V 2B : 125 V 2C : 160 V 2D : 200 V 2E : 250 V 2H : 500 V 2J : 630 V	F : ±1% G : ±2% J : ±5% K : ±10% M : ±20% Z : +80% -20% P : +100% -0%	HS : 高安定形 BP : 無極性形 HR : 耐リップル形 DL : 充放電対策用 HF : 高周波保証用 U : UL 部品 C : CSA 部品 W : UL-CSA 部品 F : リード線成形		

* 容量値

● 電解コンデンサの場合

22 2 ⇒ 2200μF
有効数字につづく0の数を表わす。
2桁の有効数字を表わす。
単位はμF

2R 2 ⇒ 2.2μF
1桁の有効数字を表わす。
2桁の有効数字で小数点はRで表わす。
単位はμF

● 電解コンデンサ以外の場合

22 2 ⇒ 2200pF=0.0022μF
有効数字につづく0の数を表わす。
(0の数が2以上の場合)
2桁の有効数字を表わす。
単位はpF

22 1 ⇒ 220pF
有効数字につづく0の数を表わす。
(0の数が0または1の場合)
2桁の有効数字を表わす。
単位はpF

● 耐圧を交流で表示する場合は、耐圧表示の次に「AC」を表示します。

PARTS LIST OF P.W.B. UNIT

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。

* Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

MAIN P.W.B. UNIT ASS'Y

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
IC10		00D 943 0198 207	IC NJM2068DD	HVINJM2068DD		
IC20		00D 943 0198 401	IC TC9164AN	HVITC9164AN		
IC51		00D 943 0196 801	IC TMP86FH47AUG(JZ)	CVITMP86FH47AUG(JZ)		
IC52		00D 943 0196 500	IC LB1930M	CVILB1930M		
IC61		00D 943 0038 902	IC 1117S-3.3V	HVILM1117S-3V3		
IC91		00D 943 0200 302	IC MC7812C	HVIMC7812C		
IC92		00D 943 0198 304	IC NJM7806FA	HVINJM7806FA		
Q201,202		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q301-304		00D 943 0198 906	TR KTC3200GR	HVTKTC3200GRT		
Q307-310		00D 943 0198 906	TR KTC3200GR	HVTKTC3200GRT		
Q311,312		00D 943 0006 206	TR KTA1268GR	HVTKTA1268GRT		
Q313,314		00D 943 0198 702	TR KTA1024Y	HVTKTA1024YT		
Q315,316		00D 943 0199 002	TR KTC3206YA	HVTKTC3206YAT		
Q317,318		00D 943 0198 809	TR KTC3114A	HVTKTC3114A		
Q319,320		00D 943 0200 700	TR 2SD2083P	CVT2SD2083P-OKM		
Q321,322		00D 943 0197 004	TR 2SB1383P	CVT2SB1383P-OKM		
Q323,324		00D 943 0198 906	TR KTC3200GR	HVTKTC3200GRT		
Q325		00D 943 0006 206	TR KTA1268GR	HVTKTA1268GRT		
Q326		00D 943 0198 508	TR KSA1175Y	HVTKSA1175YT		
Q327-330		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q552		00D 943 0154 200	TR KRA102M	HVTKRA102MT		
Q553,554		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q556,557		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q558		00D 943 0037 408	TR KSC2785Y	HVTKSC2785YT		
Q559		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q565		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q601		00D 943 0108 104	TR KTC2874B	HVTKTC2874BT		
Q603		00D 943 0037 408	TR KSC2785Y	HVTKSC2785YT		
Q604,605		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q606-608		00D 943 0154 200	TR KRA102M	HVTKRA102MT		
Q609		00D 943 0037 408	TR KSC2785Y	HVTKSC2785YT		
Q610		00D 943 0154 404	TR KTC3198Y	HVTKTC3198YT		
Q611		00D 943 0154 200	TR KRA102M	HVTKRA102MT		
Q612		00D 943 0154 404	TR KTC3198Y	HVTKTC3198YT		
Q613		00D 943 0037 408	TR KSC2785Y	HVTKSC2785YT		
Q614		00D 943 0107 804	TR KRC102M	HVTKRC102MT		
Q902		00D 943 0059 004	TR KSC2316Y	HVTKSC2316YT		
Q903		00D 943 0198 605	TR KSA916Y	HVTKSA916YT		
D201,202		00D 943 0182 609	DIODE 1SS133	CVD1SS133MT		
D301-304		00D 943 0195 909	ZENER DIODE ZJ16B	CVDZJ16BT		
D305-308		00D 943 0182 609	DIODE 1SS133	CVD1SS133MT		
D309,310		00D 943 0196 102	ZENER DIODE ZJ3.0B	CVDZJ3.0BT		
D311		00D 943 0182 502	DIODE 1N4003	CVD1N4003ST		
D312		00D 943 0182 609	DIODE 1SS133	CVD1SS133MT		
D313,314		00D 943 0196 102	ZENER DIODE ZJ3.0B	CVDZJ3.0BT		
D315-319		00D 943 0182 609	DIODE 1SS133	CVD1SS133MT		

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
D363,364		00D 943 0182 609	DIODE 1SS133		CVD1SS133MT	
D561		00D 943 0182 609	DIODE 1SS133		CVD1SS133MT	
D603		00D 943 0182 502	DIODE 1N4003		CVD1N4003ST	
D604-609		00D 276 0704 903	DIODE 1SR35-400A			
D610		00D 943 0196 306	ZENER DIODE ZJ7.5B		CVDZJ7.5BT	
D611		00D 943 0196 209	ZENER DIODE ZJ4.7B		CVDZJ4.7BT	
D612		00D 943 0182 609	DIODE 1SS133		CVD1SS133MT	
D613,614		-	WIRE, COPPER		C3A206	
D615		00D 943 0182 609	DIODE 1SS133		CVD1SS133MT	
D901		00D 943 0195 608	DIODE FMG-22S(A-K-A)		CVDFMG-22S	
D902		00D 943 0195 501	DIODE FMG-22R(K-A-K)		CVDFMG-22R	
D903-908		00D 943 0182 502	DIODE 1N4003		CVD1N4003ST	
D911,912		00D 943 0182 502	DIODE 1N4003		CVD1N4003ST	
D913,914		00D 943 0195 909	ZENER DIODE ZJ16B		CVDZJ16BT	
D915-917		00D 943 0182 502	DIODE 1N4003		CVD1N4003ST	
RESISTORS GROUP						
R345-348		-	RES, CARBON 3.9k ohm 1/4W J		CRD25FJ392T	
R349-352		00D 943 0194 201	RES, CEMENT 0.22 ohm 5W K		CRF5EKR22H	
R369		-	RES, CARBON 22 ohm 1/4W J		CRD25FJ220T	
R370		00D 943 0200 409	RES, METAL OXIDE 390 ohm 1W J		CRG1ANJ391H	
R371		-	RES, CARBON 22 ohm 1/4W J		CRD25FJ220T	
R372		00D 943 0200 409	RES, METAL OXIDE 390 ohm 1W J		CRG1ANJ391H	
R373,374		00D 943 0200 506	RES, METAL OXIDE 10 ohm 1W J		CRG1ANJ100H	
R382		-	RES, CARBON 22 ohm 1/4W J		CRD25FJ220T	
R384		-	RES, CARBON 22 ohm 1/4W J		CRD25FJ220T	
R388-391		-	RES, CARBON 3.9k ohm 1/4W J		CRD25FJ392T	
R902,903		-	RES, CARBON 22k ohm 1/4W J		CRD25TJ223T	
R904,905		00D 943 0194 405	RES, FUSE 0.47 ohm 1W J		CRQ1AJR47H	
R912		00D 943 0194 308	RES, FUSE 0.3 ohm 1/6W K		CRQ16AKR30T	
VR31,32		00D 943 0196 908	SEMI FIXED RESISTOR 500 ohm		CVN1SA501B01T	
CAPACITORS GROUP						
C101-104		-	CAP, CERAMIC 100pF 50V KB		CCKT1H101KB	
C105,106		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C109,110		-	CAP, ELECT 220uF 16V		CCEA1CH221T	
C111,112		-	CAP, MYLAR 6800pF 50V J		HCQ11H682JZT	
C113,114		-	CAP, MYLAR 0.018uF 50V J		HCQ11H183JZT	
C115,116		-	CAP, MYLAR 6800pF 50V J		HCQ11H682JZT	
C117,118		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C119,120		-	CAP, MYLAR 3900pF 50V J		HCQ11H392JZT	
C121,122		-	CAP, ELECT 22uF 50V		CCEA1HH220T	
C123,124		-	CAP, CERAMIC 0.1uF 50V ZF		CCFT1H104ZF	
C215,216		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C217		-	CAP, CERAMIC 47pF 50V JC		CCCT1H470JC	
C235,236		-	CAP, CERAMIC 0.022uF 50V ZF		CCFT1H223ZF	
C301,302		-	CAP, ELECT 22uF 50V		CCEA1HH220T	
C303,304		-	CAP, CERAMIC 220pF 50V KB		CCKT1H221KB	
C305,306		-	CAP, CERAMIC 1000pF 50V KB		HCBS1H102KBT	
C309-312		00D 943 0188 700	CAP, ELECT 100uF/25V (RA3)		CCEA1ERA3101T	
C313,314		-	CAP, CERAMIC 5pF 50V CC		CCCT1H050CC	
C315-318		-	CAP, MYLAR 3900pF 50V J		HCQ11H392JZT	
C319,320		00D 943 0189 204	CAP, ELECT 22uF 50V (RFS)		CCEA1HRFS220E	

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
C321,322		-	CAP, CERAMIC 5.6pF 50V KC	HCBS1H5R6KCT		
C323-326		00D 943 0189 301	CAP, ELECT 100uF 63V (RFS)	CCEA1JRFS101E		
C327,328		-	CAP, CERAMIC 1000pF 50V KB	CCKT1H102KB		
C367		-	CAP, ELECT 4.7uF 50V	CCEA1HH4R7T		
C373-378		-	CAP, MYLAR 0.047uF 50V J	HCQI1H473JZT		
C379,380		-	CAP, CERAMIC 0.1uF 50V ZF	CCFT1H104ZF		
C381-384		00D 943 0188 700	CAP, ELECT 100uF/25V (RA3)	CCEA1ERA3101T		
C553		-	CAP, ELECT 100uF 16V	CCEA1CH101T		
C554,555		-	CAP, CERAMIC 0.01uF 50V ZF	CCFT1H103ZF		
C556		-	CAP, ELECT 100uF 16V	CCEA1CH101T		
C557		-	CAP, CERAMIC 0.1uF 50V ZF	CCFT1H104ZF		
C558		-	CAP, ELECT 100uF 16V	CCEA1CH101T		
C602		-	CAP, ELECT 22uF 50V	CCEA1HH220T		
C603		00D 943 0188 302	CAP, ELECT 3300uF 16V	CCEA1CH332E		
C604		-	CAP, ELECT 470uF 10V	CCEA1AH471T		
C605		-	CAP, ELECT 10uF 50V	CCEA1HH100T		
C606		-	CAP, ELECT 1uF 50V	CCEA1HH1R0T		
C607		-	CAP, ELECT 2.2uF 50V	CCEA1HH2R2T		
C608		-	CAP, CERAMIC 0.01uF 50V ZF	CCFT1H103ZF		
C610		-	CAP, ELECT 470uF 10V	CCEA1AH471T		
C613		-	CAP, ELECT 47uF 25V	CCEA1EH470T		
C614		-	CAP, CERAMIC 0.047uF 50V ZF	CCFT1H473ZF		
C615		-	CAP, CERAMIC 0.022uF 50V ZF	CCFT1H223ZF		
C901-903		-	CAP, METALLIZED 0.1uF 100V J	CCME2A104JXT		
C904,905		00D 943 0189 408	CAP, ELECT 8200uF 56V (LAO)	CCET56VLAO822N		
C906,907		-	CAP, CERAMIC 0.01uF 50V ZF	HCBS1H103ZFT		
C908		-	CAP, ELECT 0.47uF 50V	CCEA1HHR47T		
C909,910		00D 943 0188 603	CAP, ELECT 1000uF 25V	CCEA1EH102E		
C911,912		-	CAP, ELECT 100uF 25V	CCEA1EH101T		
C915		-	CAP, METALLIZED 0.1uF 100V J	CCME2A104JXT		
C917-919		-	CAP, ELECT 47uF 25V	CCEA1EH470T		
C920		00D 943 0188 603	CAP, ELECT 1000uF 25V	CCEA1EH102E		
C921		-	CAP, ELECT 47uF 25V	CCEA1EH470T		
C922		-	CAP, CERAMIC 0.1uF 50V ZF	CCFT1H104ZF		
OTHERS PARTS GROUP						
BN92		-	WIRE ASS'Y, 2.0MM/600MM/6P	CWB2B906600EN		
CN10		-	WAFER, STRAIGHT, 6PIN	CJP06GA19ZY		
CN31,32		-	WAFER	CJP03GA01ZY		
CN50		-	WAFER, STRAIGHT, 8PIN	CJP08GA19ZY		
CN51		-	WAFER, STRAIGHT, 4PIN	CJP04GA19ZY		
CN52		-	WAFER, STRAIGHT, 4PIN	CJP04GA01ZY		
CN53		-	WAFER, STRAIGHT, 7PIN	CJP07GA19ZY		
CN54		-	WAFER, STRAIGHT, 4PIN	CJP04GA01ZY		
CN58		-	WAFER, STRAIGHT, 10PIN	CJP10GA19ZY		
CN93		-	WAFER	CJP03GA01ZY		
CN95		-	WAFER	CJP03GA90ZY		
JK11		00D 943 0191 700	2P JACK, IN/OUT	CJJ4N034Z		
JK21-23		00D 943 0191 807	4P JACK, IN/OUT	CJJ4P028Z		
JK24		00D 943 0191 700	2P JACK, IN/OUT	CJJ4N034Z		
JK31		00D 943 0191 904	TERMINAL, SPEAKER	CJJ5Q006Z		
JW53,54		-	PALTE, EARTH	HJT1A025		

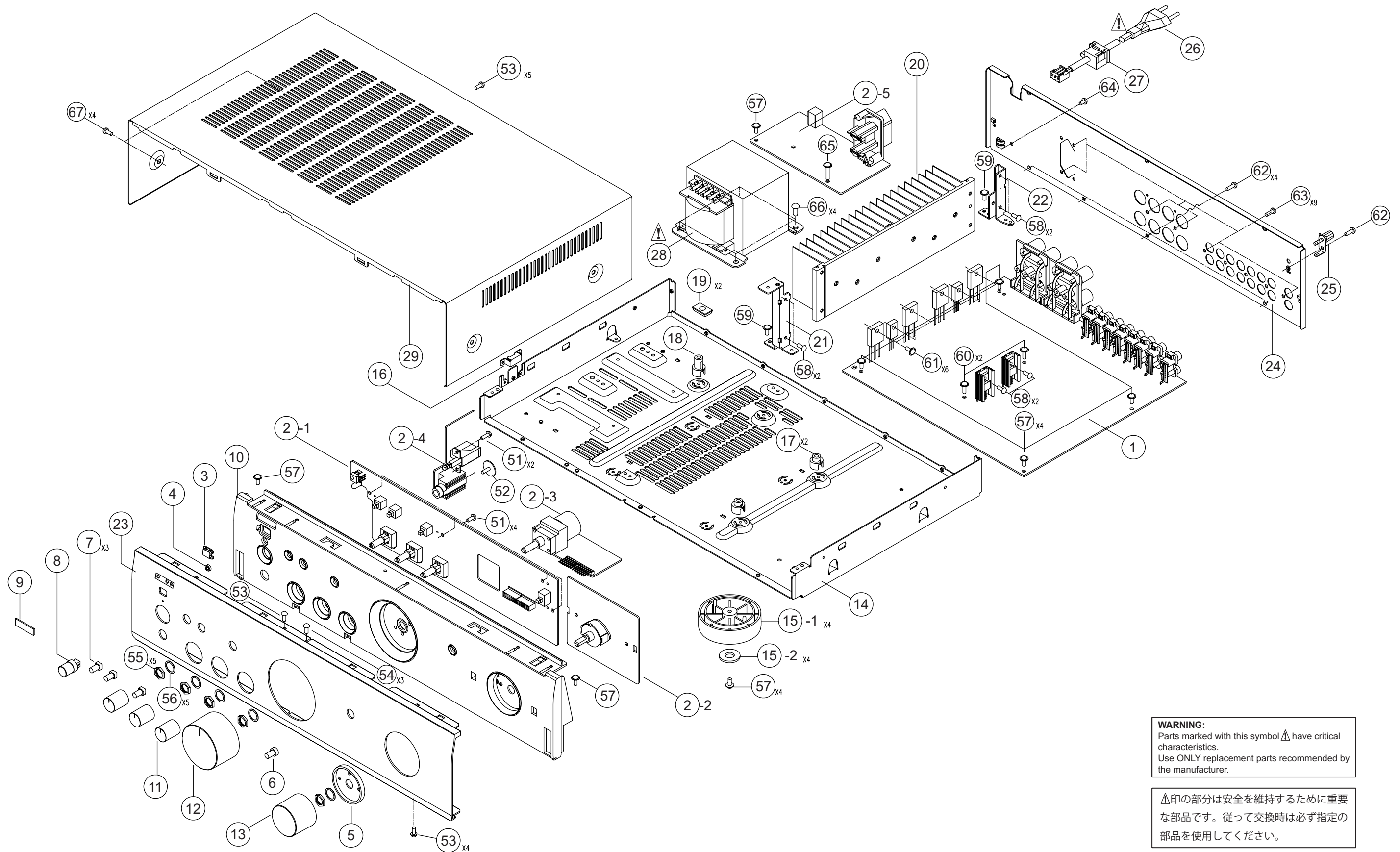
Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
L101,102 L301,302		00D 943 0193 601 00D 943 0193 106	COIL, TOROIDAL COIL, SPEAKER (0.5uH)	CLU9S004Z CLEY0R5KAK		
RY31-33		00D 943 0195 006	RELAY G5PA-28	CSL3A017ZU		
RY51-52		00D 943 0195 103	RELAY	CSL4A013ZE		
TH51		00D 943 0194 609	POSISTOR PTFM04BB222QN34	CRTPTFM04BB222Q		
X501		00D 943 0196 403	RESONATOR, CERAMIC CSTLS4M19G56-A0	CVFCSTLS4M19G56-A0		
		-	BRACKET	CMD1A596		
		-	HEAT SINK BRACKET	CMD1A597		
		-	HEAT SINK	CMY1A268		
		-	HEAT SINK	CMY2A048		
		-	HEAT SINK	CMY1A218		
		-	HEAT SINK	CMY1A043		
		-	SCREW, SPECIAL	CHD1A012R		
		-	SCREW CTB3+6JR	CTB3+6JR		
		-	SCREW CTW3+8JR	CTW3+8JR		
		-	SCREW CTB3+8J	CTB3+8J		
		-	SCREW CTB3+8JR	CTB3+8JR		


FRONT P.W.B. UNIT ASS'Y


Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SEMICONDUCTORS GROUP						
IC52		00D 943 0198 207	IC NJM2068DD		HVINJM2068DD	
Q651-658		00D 943 0154 200	TR KRA102M		HVTKRA102MT	
Q901,902		00D 943 0108 104	TR KTC2874B		HVTKTC2874BT	
D651-656		00D 943 0195 705	LED SEL2915A	Orang	CVDSEL2915A	
D661-672		00D 943 0182 609	DIODE 1SS133		CVD1SS133MT	
D701		00D 943 0198 100	LED SML1216W	Red/Green	HVDSML1216W	
D901,902		00D 943 0182 609	DIODE 1SS133		CVD1SS133MT	
D910-915		00D 943 0182 502	DIODE 1N4003		CVD1N4003ST	
RESISTORS GROUP						
VR51		00D 943 0197 305	VR, MOTOR		CVV9Y13B503Z	
VR52		00D 943 0197 101	RES, VARIABLE RA1450GOE0D-HA1		CVV2X13M104Z	
VR53		00D 943 0197 208	VR, TONE D103-Q1-FB200B1		CVV2X18D103Z	
VR54		00D 943 0197 208	VR, TONE D303-Q1-FB200B1		CVV2X19D303Z	
VR61		00D 943 0195 200	SW, ROTARY SSRM1C7800		CSRCA001Z	
CAPACITORS GROUP						
C501		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C502		-	CAP, CERAMIC 39pF 50V JC		CCCT1H390JC	
C503		-	CAP, MYLAR 3300pF 50V J		HCQ11H332JZT	
C504		-	CAP, MYLAR 0.047uF 50V J		HCQ11H473JZT	
C505		-	CAP, ELECT 0.47uF 50V		CCEA1HHR47T	
C506		-	CAP, MYLAR 0.033uF 50V J		HCQ11H333JZT	
C510		-	CAP, CERAMIC 0.01uF 50V ZF		CCFT1H103ZF	
C511		-	CAP, ELECT 4.7uF 50V		CCEA1HH4R7T	
C512		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C515		-	CAP, MYLAR 0.033uF 50V J		HCQ11H333JZT	
C517		-	CAP, ELECT 0.22uF 50V		CCEA1HHR22T	
C519		-	CAP, ELECT 0.1uF 50V		CCEA1HH0R1T	
C521		-	CAP, ELECT 0.47uF 50V		CCEA1HHR47T	
C522,523		-	CAP, ELECT 100uF 25V		CCEA1EH101T	
C524		-	CAP, CERAMIC 220pF 50V KB		CCKT1H221KB	
C525		-	CAP, ELECT 22uF 16V		CCEA1CN220T	
C591		-	CAP, CERAMIC 0.1uF 50V ZF		CCFT1H104ZF	
C601		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C602		-	CAP, CERAMIC 39pF 50V JC		CCCT1H390JC	
C603		-	CAP, MYLAR 3300pF 50V J		HCQ11H332JZT	
C604		-	CAP, MYLAR 0.047uF 50V J		HCQ11H473JZT	
C605		-	CAP, ELECT 0.47uF 50V		CCEA1HHR47T	
C606		-	CAP, MYLAR 0.033uF 50V J		HCQ11H333JZT	
C611		-	CAP, ELECT 4.7uF 50V		CCEA1HH4R7T	
C612		-	CAP, ELECT 10uF 50V		CCEA1HH100T	
C615		-	CAP, MYLAR 0.033uF 50V J		HCQ11H333JZT	
C617		-	CAP, ELECT 0.22uF 50V		CCEA1HHR22T	
C619		-	CAP, ELECT 0.1uF 50V		CCEA1HH0R1T	
C621		-	CAP, ELECT 0.47uF 50V		CCEA1HHR47T	
C624		-	CAP, CERAMIC 220pF 50V KB		CCKT1H221KB	
C625		-	CAP, CERAMIC 0.1uF 50V ZF		CCFT1H104ZF	
C661		-	CAP, CERAMIC 0.01uF 50V ZF		CCFT1H103ZF	
C701-703		-	CAP, CERAMIC 0.01uF 50V ZF		CCFT1H103ZF	

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
	C704		-	CAP, ELECT 220uF 16V	CCEA1CH221T		
	C705		-	CAP, CERAMIC 0.01uF 50V ZF	CCFT1H103ZF		
	C706		-	CAP, CERAMIC 47pF 50V JC	CCCT1H470JC		
⚠	C901,902		00D 943 0024 408	CAP, CERAMIC 0.0047uF/2.5KV	KCKDKS472ME		
	C903		-	CAP, CERAMIC 0.1uF 50V ZF	CCFT1H104ZF		
	C904		00D 943 0188 603	CAP, ELECT 1000uF 25V	CCEA1EH102E		
	C905		-	CAP, ELECT 0.47uF 50V	CCEA1HHR47T		
	C906		-	CAP, CERAMIC 0.01uF 50V ZF	CCFT1H103ZF		
OTHERS PARTS GROUP							
	BK91		-	BRACKET, PCB(A)	CMD1A188		
	BN50		-	WIRE ASS'Y 2.0MM/130MM/8P	CWB2B908130EN		
	BN51		-	WIRE ASS'Y 2.0MM/220MM/4P	CWZPMA500AEBN51		
	BN52		-	WIRE ASS'Y 2.5MM/80MM/4P	CWZPMA500AEBN52		
	BN53		-	WIRE ASS'Y 2.0MM/270MM/7P	CWB2B907270EN		
	BN54		-	WIRE ASS'Y	CWB1C904220BM		
	BN56,57		-	WAFER	CJP07GF107ZY		
	BN58		-	WIRE ASS'Y	CWB2B910100EN		
	BN59		-	WIRE ASS'Y	CWB2B903080EN		
	CN56,57		-	WAFER	CJP07HA37ZM		
	CN59		-	WAFER, STRAIGHT, 3PIN	CJP03GA19ZY		
	CN90		-	WAFER	CJP02KA060ZY		
	CN91		-	WAFER	CJP02GA89ZY		
	CN92		-	WAFER, STRAIGHT, 6PIN	CJP06GA19ZY		
	CN94		-	WAFER	CJP02GA89ZY		
⚠	F901		00D 943 0199 109	FUSE 2.5A/250V	KBA2C2500TLEY		
⚠	F902		00D 943 0199 109	FUSE 2.5A/250V	KBA2C2500TLEY		
	JK61		00D 943 0198 003	JACK, PHONE	HJJ2E018Z		
	JW54		-	WIRE ASS'Y(1P)	CWE8202080RV		
	JW62		-	WIRE ASS'Y	CWE8202110RV		
	JW91		-	WIRE ASS'Y (RED/N.C/BLACK)	CWB4FA32300PU		
⚠	OL91		00D 943 0199 206	OUTLET, AC(EUR/1P)	KJJ7A022Z		
	RC71		00D 943 0194 706	SENSOR, REMOTE (KSM603TH2E)	CRVKSM603TH2E		
	RY91		00D 943 0200 807	RELAY, G2R-14 (DC 5V)	CSL2C002ZE		
	RY92		00D 943 0194 900	RELAY, G5PA-1 (DC 6V)	CSL1E002ZE		
	SW51		00D 943 0194 803	SW, PUSH (JPS-4281SA)	CSH2D013Z		
	SW52-54		00D 943 0199 400	SW, PUSH (220014)	KSH2B003Z		
	SW91		00D 943 0140 609	SW, PUSH (CSH1A010ZV)	CSH1A010ZV		
⚠	TRS1		00D 943 0193 203	TRANSFORMER, SUB	CLT5I008ZE		
			-	HOLDER, FUSE	for F901,902 KJCF5S		

EXPLODED VIEW



WARNING:
 Parts marked with this symbol  have critical characteristics.
 Use ONLY replacement parts recommended by the manufacturer.

印の部分は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

PARTS LIST OF EXPLODED VIEW

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

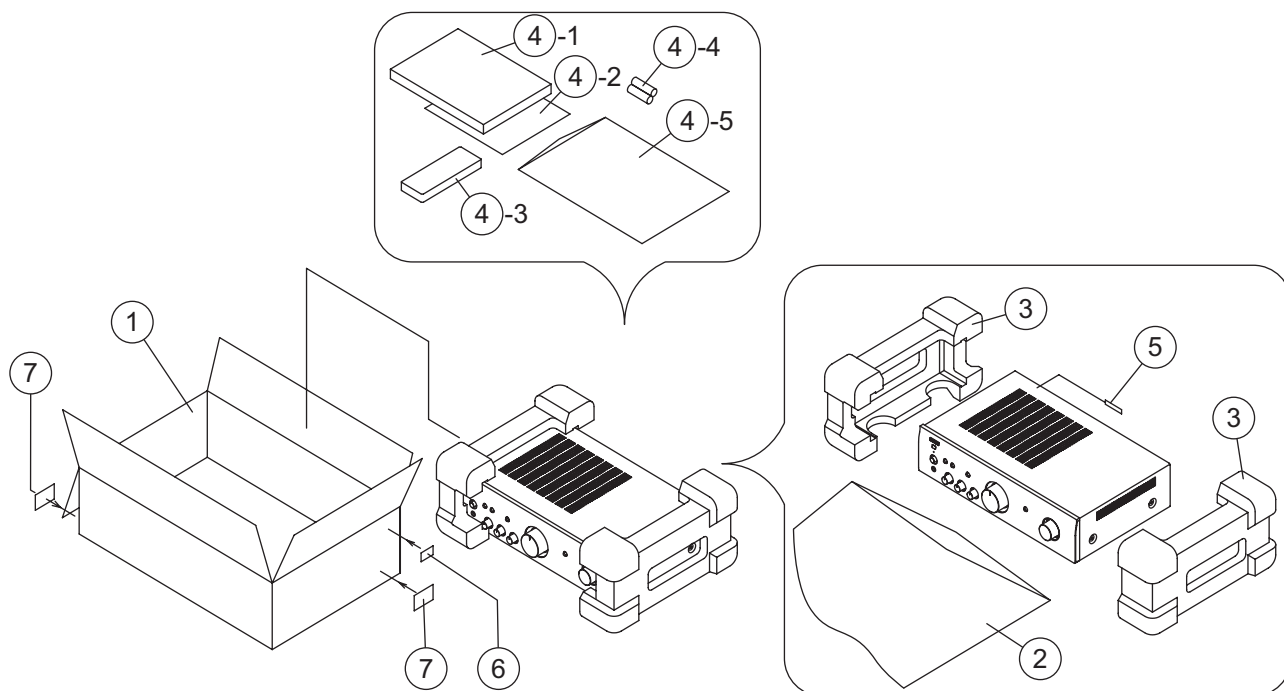
* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。

* Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
	1	nsp	00D 943 0194 309	MAIN PWB ASS'Y	COP11904B	1	
	2	nsp	00D 943 0194 105	FRONT PCB ASS'Y	COP11903B	1	
	2-1		-	FRONT PWB			
	2-2		-	INPUT PWB			
	2-3		-	VOLUME PWB			
	2-4		-	JACK PWB			
	2-5		-	POWER PWB			
	3	nsp	00D 943 0190 206	WINDOW, REMOCON	CGU1A396A8	1	
	4	nsp	00D 943 0189 903	LENS	CGL1A254	1	
	5	nsp	00D 943 0190 002	FUNCTION LENS	CGL1A255Z	1	
	6	nsp	00D 943 0187 109	DIRECT KNOB	CBC1A154B2	1	
	7		00D 943 0187 303	PUSH KNOB	CBC1A155B2	3	
	8		00D 943 0179 502	KNOB, POWER	CGK1A124ZA	1	
	9	nsp	00D 131 0165 003	DENON BADGE PRO(W-A)		1	*
	10	nsp	00D 943 0190 303	INNER PANEL	CGW1A425B2	1	
	11		00D 943 0188 001	ROTARY KNOB	CBN1A211B2	3	
	12		00D 943 0187 604	VOLUME KNOB	CBN1A209B2	1	
	13		00D 943 0187 808	INPUT KNOB	CBN1A210B2	1	
	14		-	CHASSIS, BOTTOM	CUA1A269	1	
	15-1	nsp	00D 104 0334 007	FOOT		4	
	15-2	nsp	00D 943 0179 900	CUSHION , FOOT	CHG2A289	4	
	16	nsp	00D 943 0193 902	COVER, SCREW	CMD1A495	1	
	17	nsp	00D 943 0095 107	HOLDER, PCB	CHE170	2	
	18	nsp	00D 943 0191 205	HOLDER, PCB	CHE1A030	1	
	19	nsp	00D 943 0094 700	RUBBER	CHG1A113	2	
	20		-	HEAT SINK	CMY1A268	1	
	21		-	HEAT SINK BRACKET	CMD1A597	1	
	22		-	BRACKET	CMD1A596	1	
	23		00D 943 0192 806	FRONT PANEL	CKM1A179XC45	1	*
	24	nsp	00D 943 0192 505	REAR PANEL	CKF1A317X	1	*
⚠	25	nsp	00D 943 0199 303	TERMINAL , GROUND	KMA1A006	1	
	26		00D 943 0180 407	CORD, POWER(EUR)	CJA2B043ZA	1	
⚠	27	nsp	00D 943 0095 505	BUSHING, AC CORD	KHR1A028	1	
	28		00D 943 0193 407	TRANSFORMER, POWER	CLT5R037ZE	1	
	29	nsp	00D 943 0192 408	TOP CABINET	CKC1A176S56	1	
	★ 30		00D 943 0193 708	FERRITE CORE(21.2X6.4X12.7)	CLZ9Z028Z	1	
	★ 31	nsp	00D 943 0186 401	HEMELON TAPE	CHS1A032	3	
	★ 32		00D 943 0164 203	FERRITE, RING	CLZ9W003Z	1	
	★ 33	nsp	00D 943 0191 302	CLAMPER	CHR301	8	
	★ 34		-	LOCKER	CRE1A037	8	
	★ 35	nsp	00D 129 0256 003	CLOTH TAPE (W20)	L=30	1	
	★ 36	nsp	00D 129 0256 016	CLOTH TAPE (W10)	L=230	1	
	★ 37	nsp	00D 125 0092 029	BUTYL TAPE (W=15)	L=65	2	
	★ 38	nsp	00D 125 0096 025	NITOFロン TAPE (W15)	L=65	2	
	★ 39	nsp	00D 125 0092 016	BUTYL TAPE (W=25)	L=170	1	
	★ 40	nsp	00D 125 0096 012	NITOFロン TAPE (W25)	L=170	1	
	★ 41	nsp	00D 125 0097 011	BUTYL TAPE (W25 T2)	L=100	1	
	★ 42	nsp	00D 125 0096 012	NITOFロン TAPE (W25)	L=100	1	

	Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
SCREWS							
	51		-	SCREW, CTB3+10GR	CTB3+10GR	6	
	52		-	SCREW, CTWS3+10GR	CTWS3+10GR	1	
	53		-	DOT SCREW, CTBD3+8JFZR	CTBD3+8JFZR	10	
	54		-	SCREW, CTB3+10GFZR	CTB3+10GFZR	3	
	55		-	NUT (M9)		5	
	56		-	WASHER		5	
	57		-	SCREW, CTW3+8JR	CTW3+8JR	11	
	58		-	SCREW, CTB3+8JR	CTB3+8JR	6	
	59		-	SCREW, CTW3+6JR	CTW3+6JR	2	
	60		-	SCREW, CTW3+12JR	CTW3+12JR	2	
	61	nsp	00D 943 0191 001	SCREW, SPECIAL	CHD1A012R	6	
	62		-	DOT SCREW, CTBD3+8JFZR	CTBD3+8JFZR	5	
	63		-	DOT SCREW, CTBD3+10GFZR	CTBD3+10GFZR	9	
	64		-	SCREW, CTB3+6FFZR	CTB3+6FFZR	1	
	65		-	SCREW, CTW3+18JR	CTW3+18JR	1	
	66		-	SCREW, CTB4+8FR	CTB4+8FR	4	
	67		-	SCREW, CTB4+6FFZR	CTB4+6FFZR	4	

PACKING VIEW



PARTS LIST OF PACKING & ACCESSORIES

* 本表に記載されている部品は、補修用部品のため製品に使用している部品とは一部、形状、寸法などが異なる場合があります。

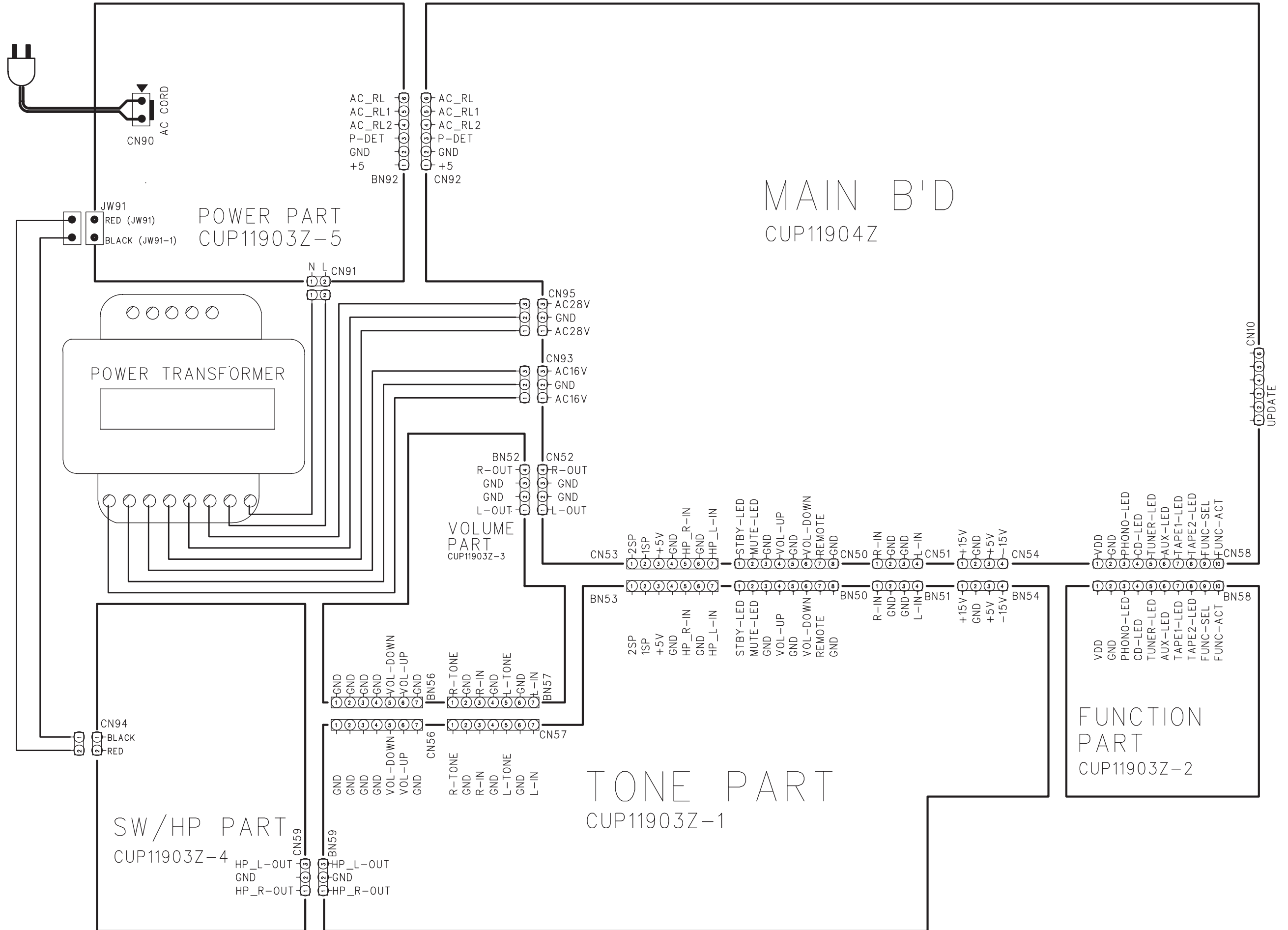
* The parts listed below are for maintenance only, might differ from the parts used in the unit in appearances or dimensions.

* "nsp" 印の部品は常時在庫していませんので供給に長時間を要することがあります。場合によっては、供給をお断りする場合があります。

* Part indicated with the mark "nsp" are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.

Ref. No.	nsp	Part No.	Part Name	Remarks	Q'ty	New
1	nsp	00D 943 0194 503	CARTON BOX	CPG1A818X	1	*
2		-	BAG, POLY (Set)	CPB1A013Y	1	
3	nsp	00D 943 0194 707	SNOW PAD	CPS1A747	2	
4-1		00D 943 0194 104	MANUAL	CQX1A1150Z	1	*
4-2	nsp	00D 515 0923 401	S.S.LIST COM.(EX)		1	*
4-3		00D 399 1026 019	REMOCON (RC-1022-BK)		1	
4-4		-	BATTERY (SIZE 'AAA')	CABR03P	2	
4-5	nsp	00D 943 0001 803	BAG, POLY	CPB1061Y	1	
5		-	LABEL, SERIAL NO	CQB1A622	1	
6		-	LABEL, POS	CQB1A773X	2	*
7		-	LABEL, CONTROL	CQB1A627	2	

WIRING DIAGRAM



UPDATE

NOTE FOR SCHEMATIC DIAGRAM

WARNING:

Parts marked with this symbol \triangle have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 460 kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

NOTICE:

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM
M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD.
P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT
NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE
WITHOUT PRIOR NOTICE.

配線図について

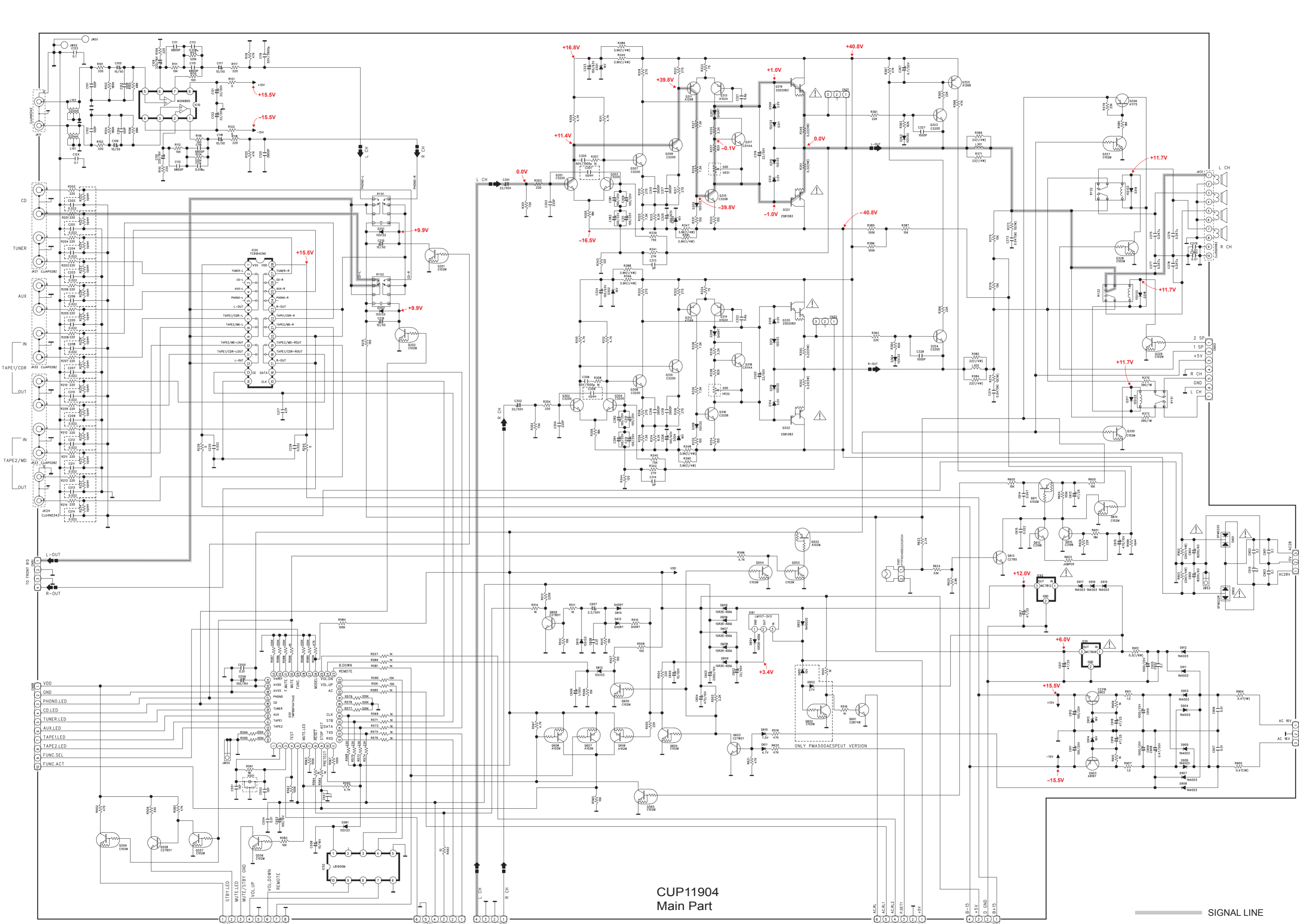
\triangle 印の部品は安全を維持するために重要な部品です。従って交換時は必ず指定の部品を使用してください。

注)

- (1) 指定なき抵抗値は Ω 、k は k Ω 、M は M Ω を示す。
- (2) 指定なきコンデンサーの値は μF 、p は pF を示す。
- (3) 各部の電圧は無信号の値を示す。
- (4) この配線図は基本配線図です。改良等のため変更することがありますのでご了承ください。

SCHEMATIC DIAGRAMS (1/2)

1 2 3 4 5 6 7 8 9 10 11

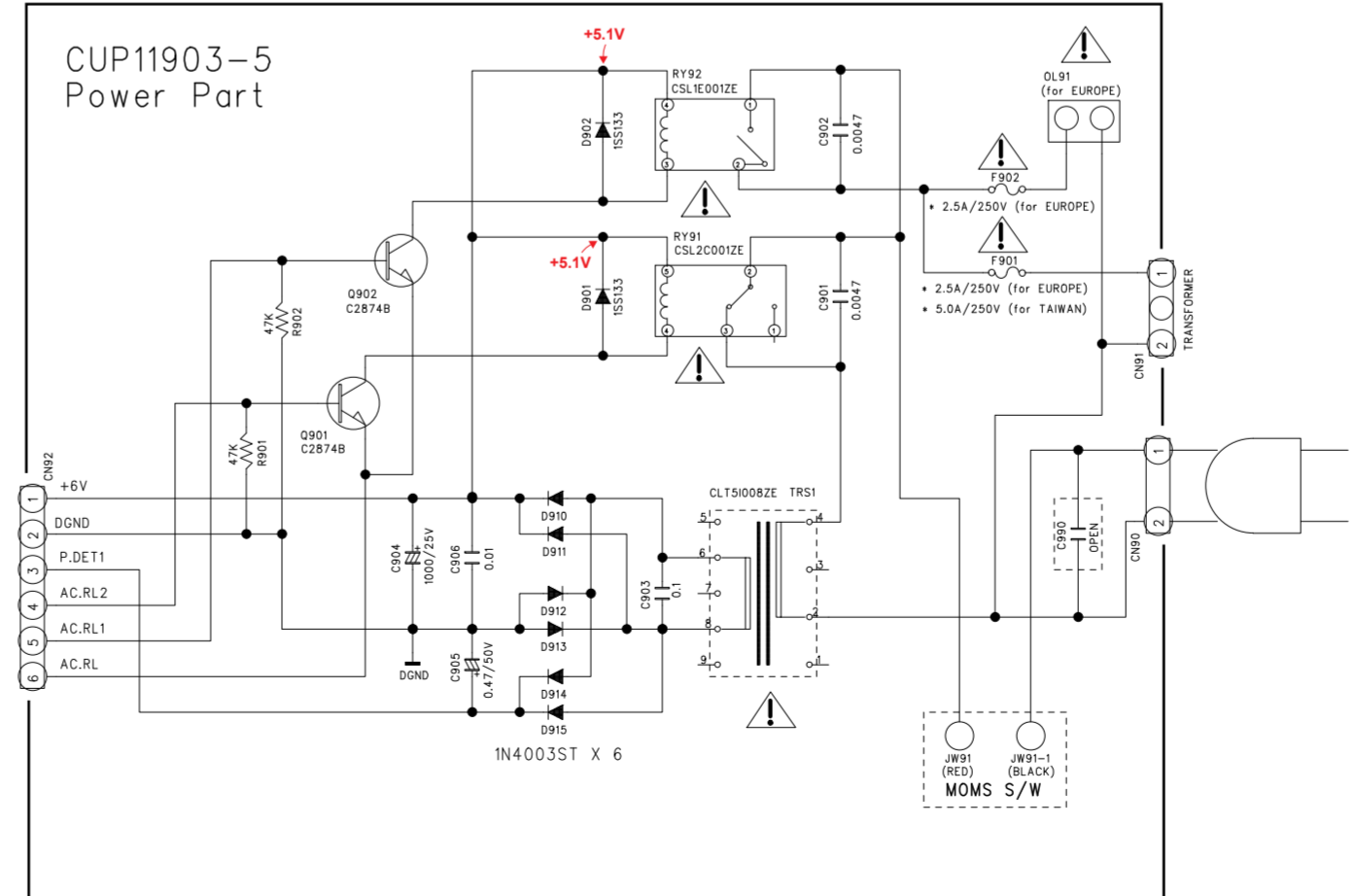
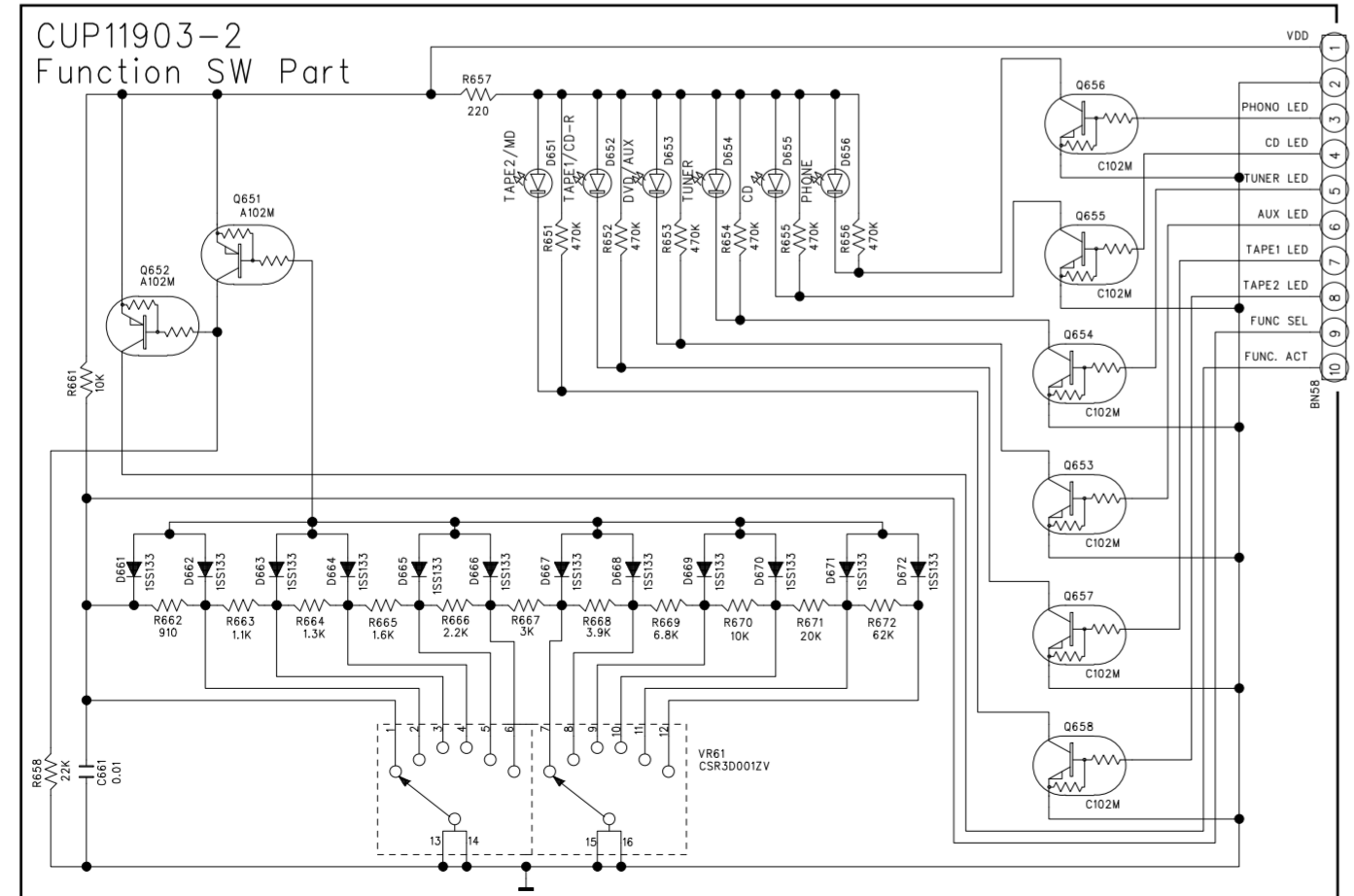
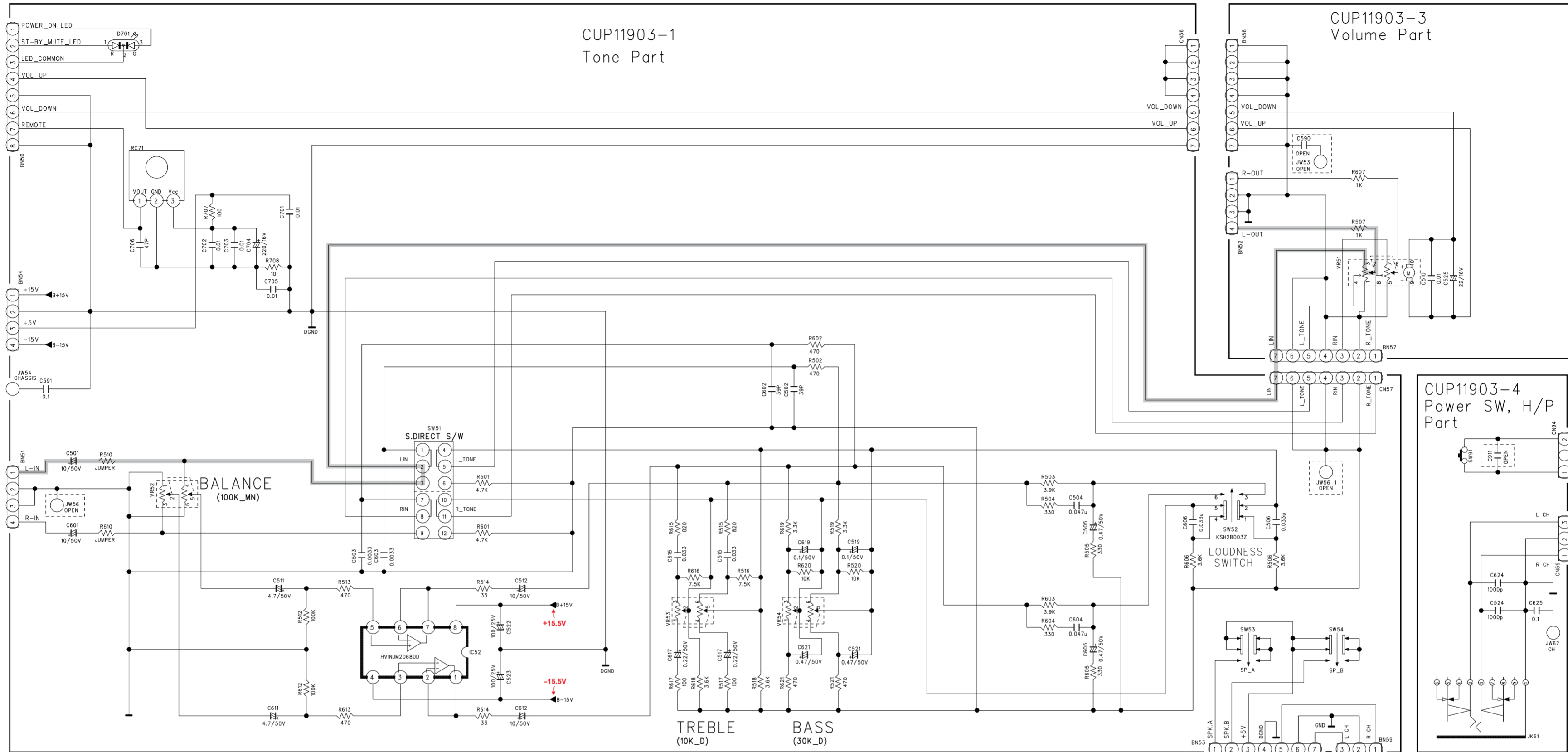


CUP11904 Main Part

A
B
C
D
E
F
G
H

SCHEMATIC DIAGRAMS (2/2)

1 2 3 4 5 6 7 8 9 10 11



SIGNAL LINE

SCHEMATIC DIAGRAMS (2/2)
 TONE UNIT
 FUNCTION SW UNIT
 VOLUME UNIT
 POWER SW, H/P UNIT
 POWER UNIT

A
B
C
D
E
F
G
H

DOCUMENTS FOR WEEE

Details of Recycle parts

* You have to remove the parts that marked "WEEE Mark ◆" when the recycling processing. (Europe model only)

Ref. No.	WEEE Mark	Part Name	Material	Q'ty
1	◆	MAIN PWB	COMPLEX	1
2-1	◆	FRONT PWB	COMPLEX	1
2-2	◆	INPUT PWB	COMPLEX	1
2-3	◆	VOLUME PWB	COMPLEX	1
2-4	◆	JACK PWB	COMPLEX	1
2-5	◆	POWER PWB	COMPLEX	1
3		WINDOW, REMOCON	PC/PMMA	1
4		LENS	PMMA	1
5		FUNCTION LENS	PMMA	1
6		DIRECT KNOB	ABS	1
7		PUSH KNOB	ABS	3
8	◆	KNOB, POWER	COMPLEX	1
9		BADGE	AL	1
10		INNER PANEL	ABS	1
11		ROTARY KNOB	ABS	3
12		VOLUME KNOB	ABS	1
13		INPUT KNOB	ABS	1
14		CHASSIS, BOTTOM	STEEL	1
15-1		FOOT	ABS	4
15-2		CUSHION , FOOT	PORON	4
16		COVER, SCREW	STEEL	1
17		HOLDER, PCB	ABS	2
18		HOLDER, PCB	ABS	1
19		RUBBER	RUBBER	2
20		HEAT SINK	AL	1
21		HEAT SINK BRACKET	STEEL	1
22		BRACKET	STEEL	1
23		FRONT PANEL	AL	1
24		REAR PANEL	STEEL	1
25	◆	TERMINAL , GROUND	COMPLEX	1
26	◆	CORD, POWER(EUR)	COMPLEX	1
27		BUSHING, AC CORD	PA66	1
28		TRANSFORMER, POWER	COMPLEX	1
29		TOP CABINET	STEEL+PVC	1
SCREWS				
51		SCREW, CTB3+10GR	STEEL	6
52		SCREW, CTWS3+10GR	STEEL	1
53		DOT SCREW, CTBD3+8JFZR	STEEL	10
54		SCREW, CTB3+10GFZR	STEEL	3
55		NUT (M9)	STEEL	5
56		WASHER	STEEL	5
57		SCREW, CTW3+8JR	STEEL	11
58		SCREW, CTB3+8JR	STEEL	6
59		SCREW, CTW3+6JR	STEEL	2
60		SCREW, CTW3+12JR	STEEL	2
61		SCREW, SPECIAL	STEEL	6
62		DOT SCREW, CTBD3+8JFZR	STEEL	5
63		DOT SCREW, CTBD3+10GFZR	STEEL	9
64		SCREW, CTB3+6FFZR	STEEL	1
65		SCREW, CTW3+18JR	STEEL	1
66		SCREW, CTB4+8FR	STEEL	4
67		SCREW, CTB4+6FFZR	STEEL	4

Exploded view of DN-A100 unit (Europe model)

You have to remove the parts that marked "WEEE Mark ◆" when the recycling processing. (Europe model only)

