

Service Manual

Stereo DC Control Amplifier

Amplifier

SU-A6MK2



Color

(K) . . . Black Type

Color	Area
(K)	[EGA] . . . F.R. Germany

TECHNISCHE DATEN

(DIN 45 500)

■ TONTEIL

Gesamtklirrfaktor (20 Hz~20 kHz)

PHONO MM 0,002%
(0,5 V Ausgangsspannung bei -30 dB Leistung)
0,002%
(3 V Ausgangsspannung bei Höchstleistung)

PHONO MC 0,015%
(0,5 V Ausgangsspannung bei -30 dB Leistung)
0,003%
(3 V Ausgangsspannung bei Höchstleistung)

**TUNER, CD, VIDEO/AUX 1, TV/AUX 2,
TAPE 1/EXT, TAPE 2/VTR,
TAPE 3/DA TAPE/DA PROCESSOR** 0,002%
(0,5 V Ausgangsspannung bei -30 dB Leistung)
0,002%
(3 V Ausgangsspannung bei Höchstleistung)

Eingangsempfindlichkeit und -impedanz
PHONO MM 2,5 mV/47 kΩ
MC 100 μV/220Ω

**TUNER, CD, VIDEO/AUX 1, TV/AUX 2,
TAPE 1/EXT, TAPE 2/VTR,
TAPE 3/DA TAPE/DA PROCESSOR** 150 mV/47 kΩ

Maximale TA-Eingangsspannung (1 kHz, eff.)
MM 160 mV

Geräuschspannungsabstand
PHONO MM 80 dB (90 dB nach IHF, '66)
MC 73 dB (75 dB nach IHF, '66)

**TUNER, CD, VIDEO/AUX 1, TV/AUX 2,
TAPE 1/EXT, TAPE 2/VTR,
TAPE 3/DA TAPE/DA PROCESSOR** 100 dB (nach IHF, '66: 106 dB)

Frequenzgang
PHONO MM RIAA-Standardkurve,
20 Hz~20 kHz, ±0,2 dB
RIAA-Standardkurve
20 Hz~100 kHz, ±0,5 dB

**TUNER, CD, VIDEO/AUX 1, TV/AUX 2,
TAPE 1/EXT, TAPE 2/VTR,
TAPE 3/DA TAPE/DA PROCESSOR** 20 Hz~20 kHz (+0, -0,1 dB)
0,5 Hz~200 kHz (+0, -3 dB)

Shelving-Regler

SUPER BASS (30 Hz) 0 dB~+10 dB
BASS (50 Hz) -5 dB~+5 dB
TREBLE (20 kHz) -5 dB~+5 dB
SUPER TREBLE (50 kHz) -10 dB~+10 dB

Übergangsfrequenz

SUPER BASS (+12 dB/oct) 75 Hz, 150 Hz
BASS 500 Hz
TREBLE 2 kHz
SUPER TREBLE 8 kHz
SUBSONIC FILTER (-12 dB/oct) 20 Hz

Tondämpfung

Ausgangsspannung und -impedanz
PRE OUT Nennspg. 2 V/2Ω
max. 8 V/2Ω

REC OUT

**TAPE 1/EXT, TAPE 2/VTR,
TAPE 3/DA TAPE/DA PROCESSOR** 150 mV/600Ω

■ BILDTEIL

(VIDEO/AUX 1, TV/AUX 2, TAPE 2/VTR,
TAPE 3/DA TAPE/DA PROCESSOR)

Ausgangssignalpegel (bei 1 V_{ss}, 75Ω, unsymmetrisch) 1±0,1 Vp-p
Maximale Eingangsspannung 1,5 Vp-p
Eingangs-/Ausgangsimpedanz 75Ω Unsymmetrisch

■ ALLGEMEINE DATEN

Leistungsaufnahme 17 W
Netzspannung Wechselstrom 50 Hz/60 Hz,
110 V/120 V/220 V/240 V
Abmessungen (B×H×T) 430 × 98 × 360 mm
Gewicht 5,9 kg

Bemerkung:

Der Gesamtklirrfaktor wurde mit einem digitalen Rauschspektrometer (Anlage H.P. 3045) gemessen.

(Spezifikationen Können infolge von Verbesserungen ohne Ankündigung geändert werden.)

Tec 10100413 91000123 08
SM-SUA6MK2 2 ST
SVC MNL . . . EGA/DOU

Matsushita Electric Trading Co., Ltd.

P.O. Box 288, Central Osaka Japan

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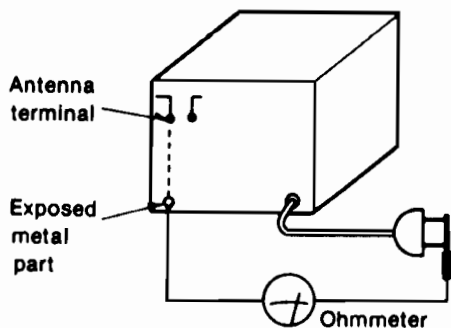
SAFETY PRECAUTION

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

INSULATION RESISTANCE TEST

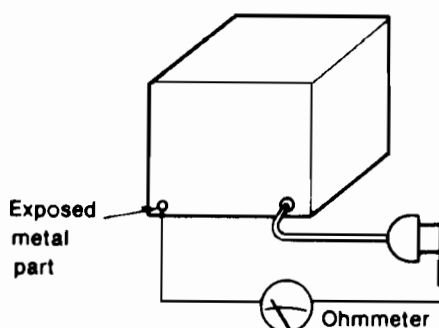
1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
2. Turn on the power switch.
3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between $3M\Omega$ and $5.2M\Omega$ to all exposed parts. (Fig. A) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. B)

Note: Some exposed parts may be isolated from the chassis by design. These will read infinity.



(Fig. A)

Resistance = $3M\Omega - 5.2M\Omega$

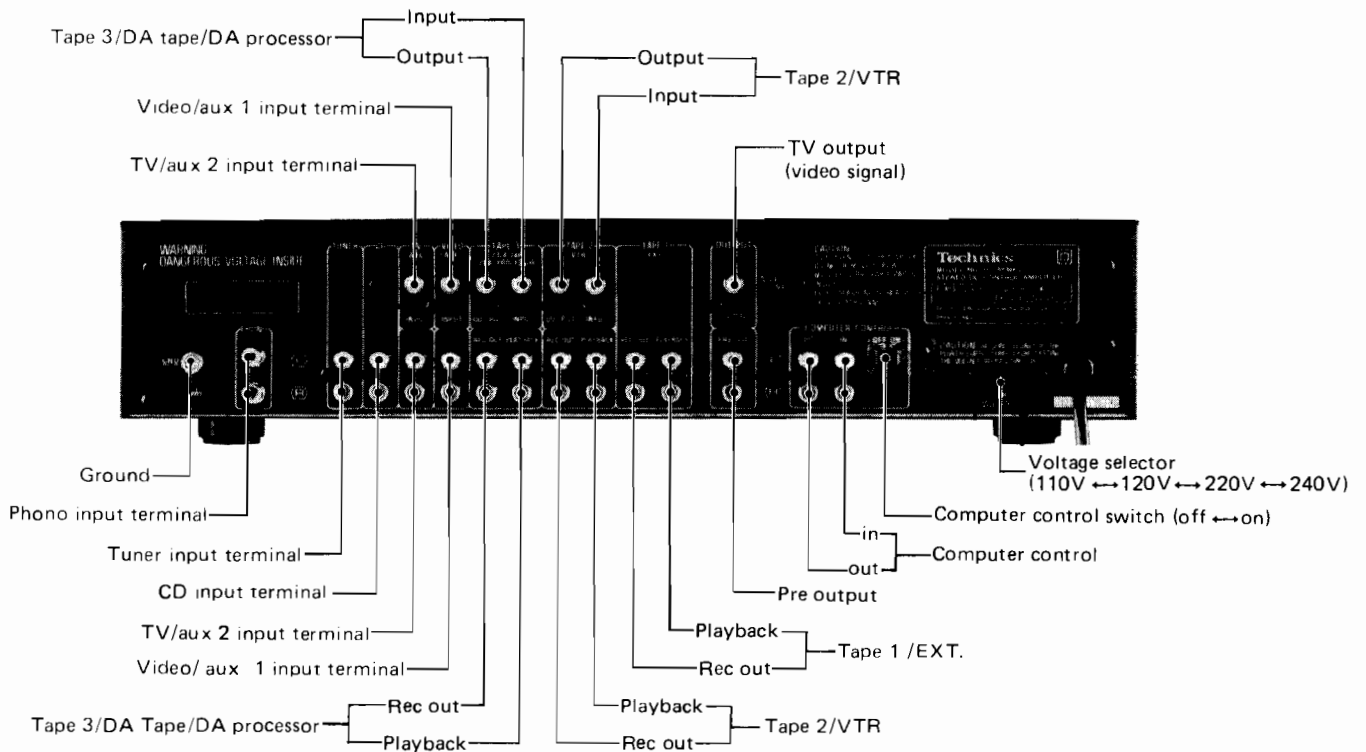
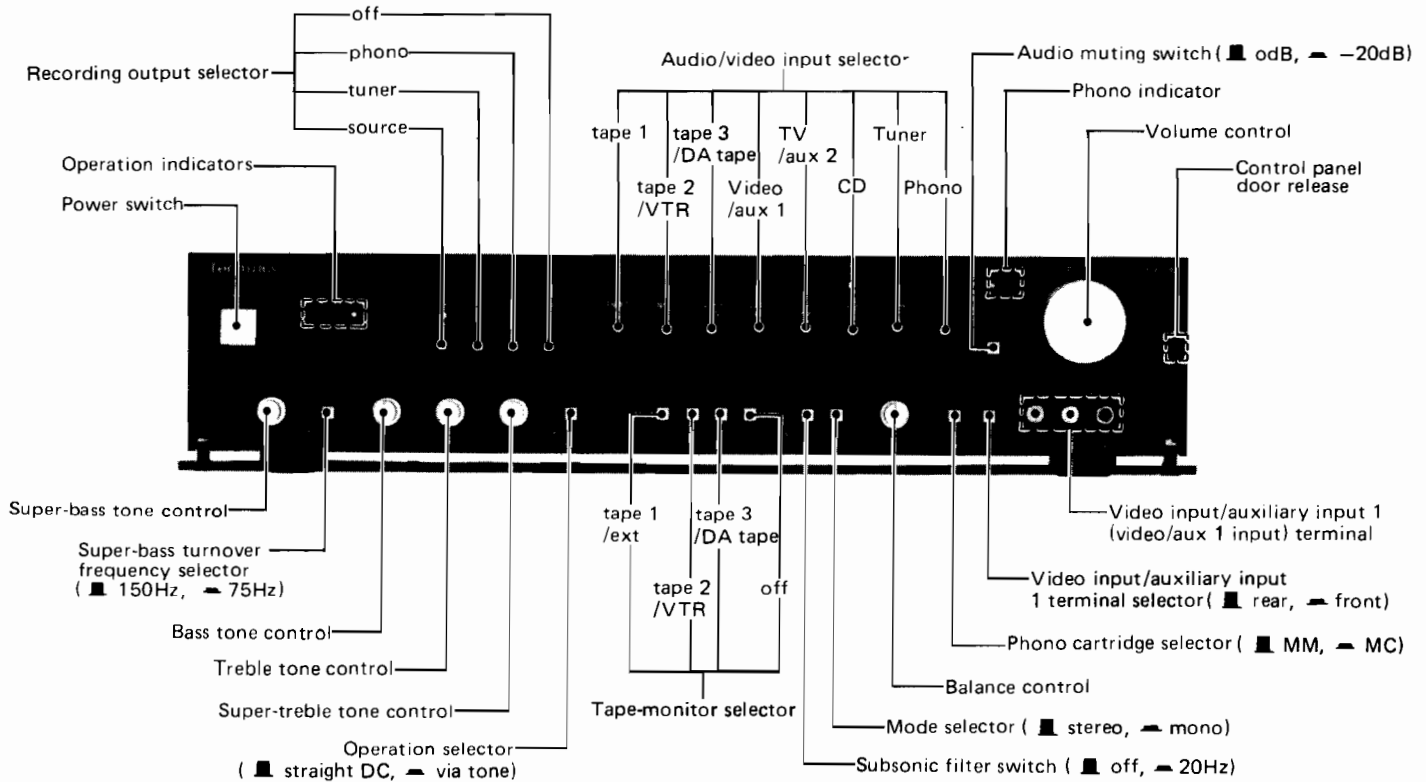


(Fig. B)

Resistance = Approx ∞

4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

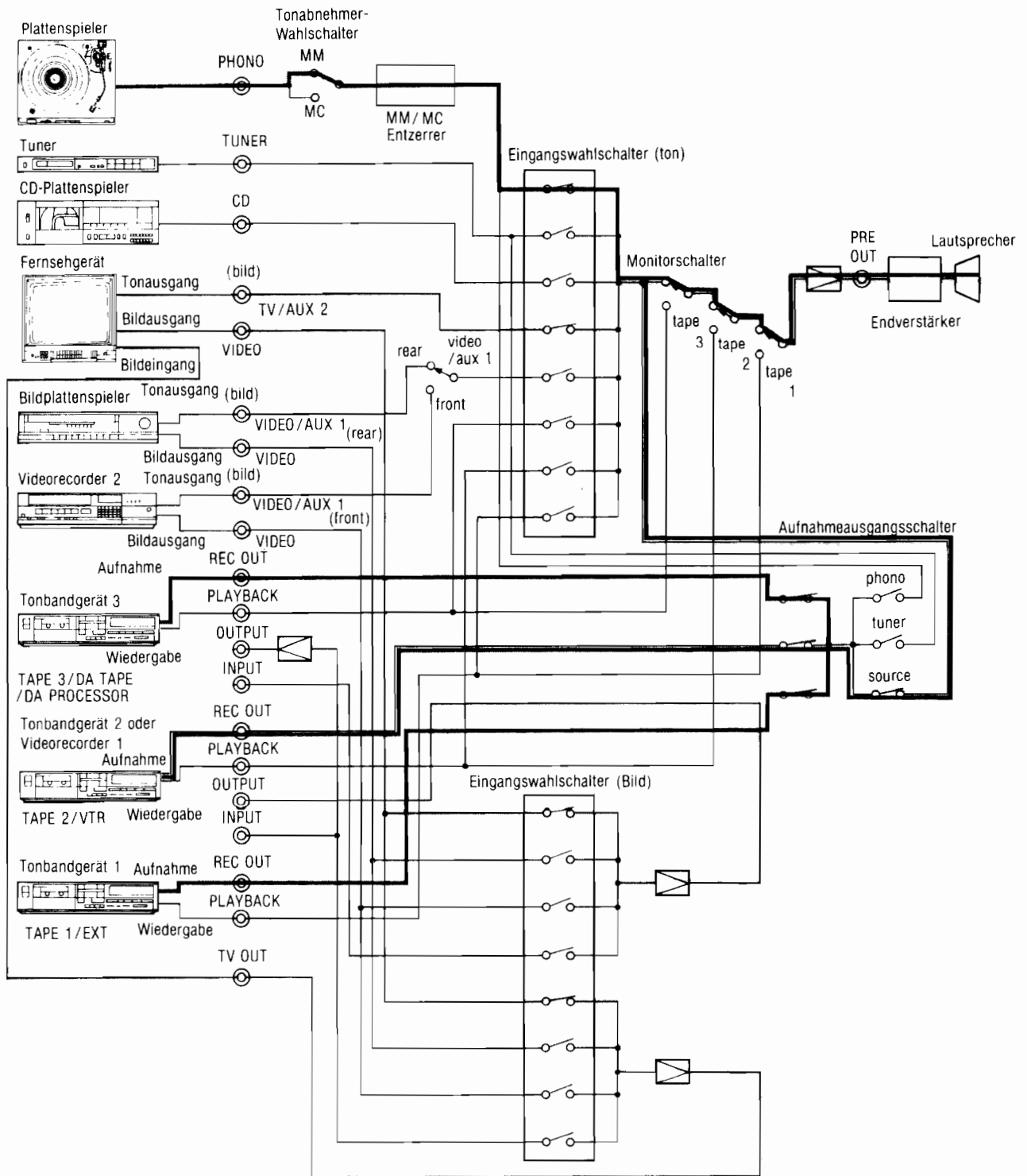
LOCATION OF CONTROLS



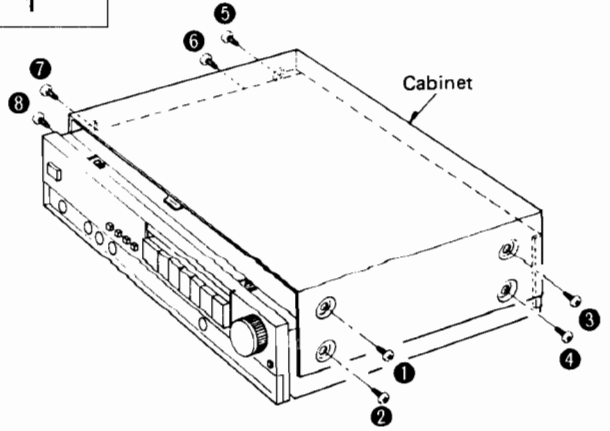
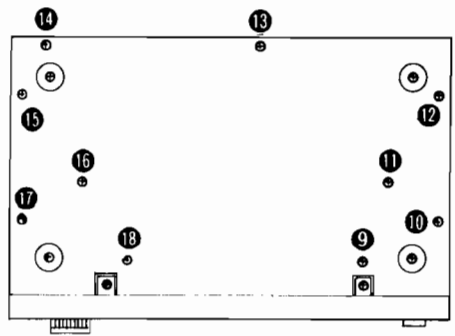
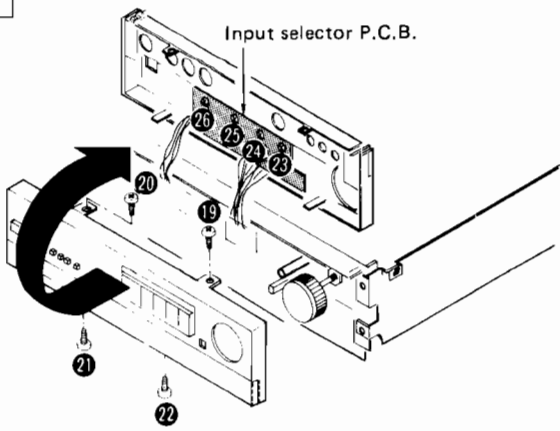
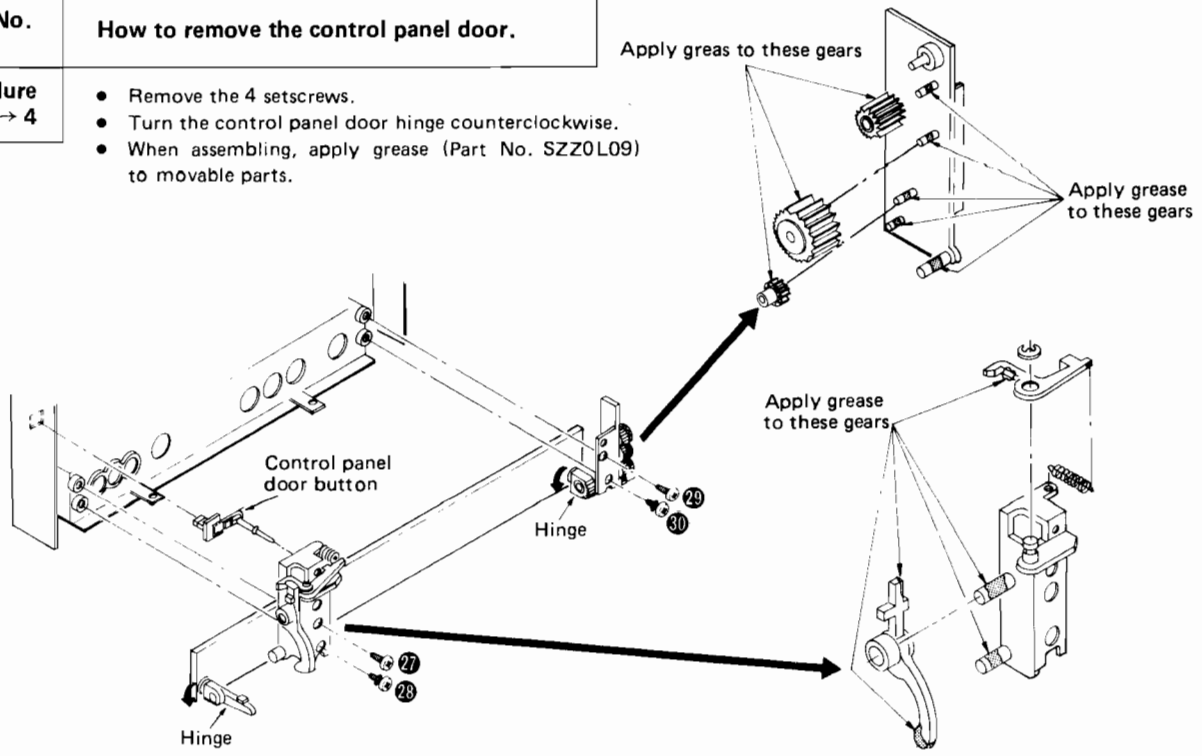
● Phono input capacitance is about 150pF.

RECORDING

- Aufnahme einer Schallplatte mit den drei Cassettendecks
- Aufnahme von Fernsehsendungen



DISASSEMBLY INSTRUCTIONS

<p>Ref. No. 1</p>	<p>Ref. No. 2</p>
<p>How to remove the cabinet.</p>	<p>How to remove the bottom board.</p>
<p>Procedure 1</p> <ul style="list-style-type: none"> Remove the 8 setscrews. 	<p>Procedure 2</p> <ul style="list-style-type: none"> Remove the 10 setscrews. 
<p>Ref. No. 3</p>	<p>How to remove the front panel.</p>
<p>Procedure 1 → 3</p> <ul style="list-style-type: none"> Remove the 4 setscrews (19 ~ 22). Turn it over as shown by arrow. Remove the 4 setscrews of input selector P.C.B. 	
<p>Ref. No. 4</p>	<p>How to remove the control panel door.</p>
<p>Procedure 1 → 3 → 4</p> <ul style="list-style-type: none"> Remove the 4 setscrews. Turn the control panel door hinge counterclockwise. When assembling, apply grease (Part No. SZZ0L09) to movable parts. 	

ABGLEICH-METHODE

• Einstellungen am Gerät und zu verwendende Instrumente

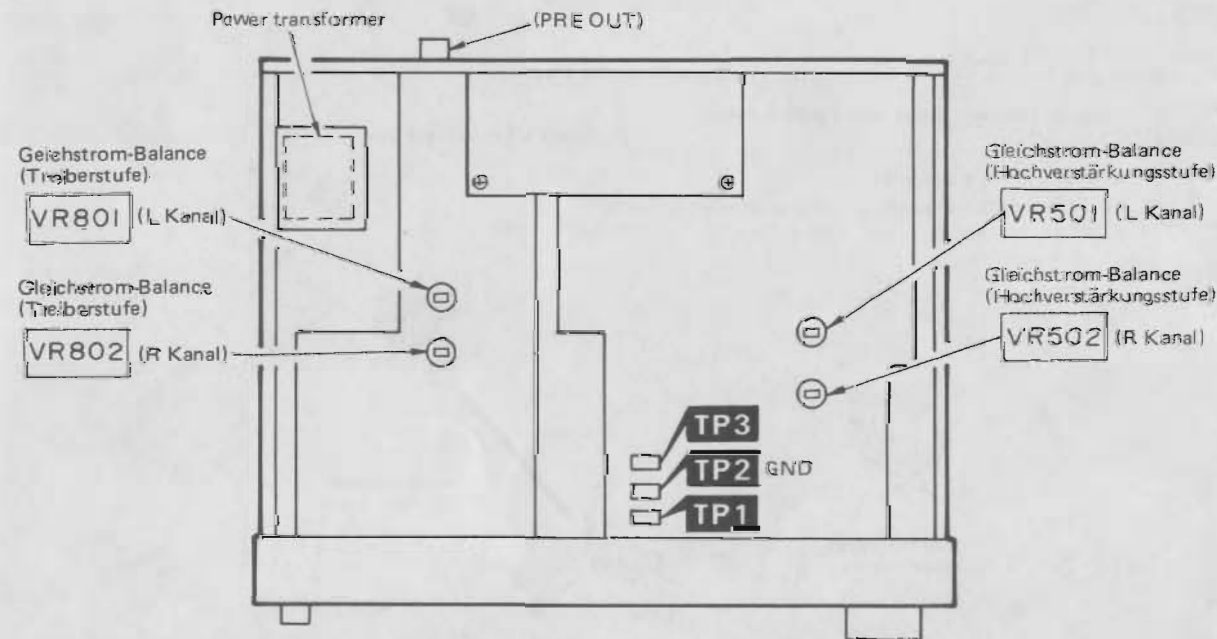
- | | |
|------------------------------------|--|
| 1. Eingangs-Wahlschalter.....tuner | 4. Lautstärkeregelung.....0dB (MAX) |
| 2. Betriebsart-Wahlschalter.....DC | 5. Gleichstrom-Voltmeter (Hochpräzisions-Typ). |
| 3. Balanceregulierung.....center | |

Achtung

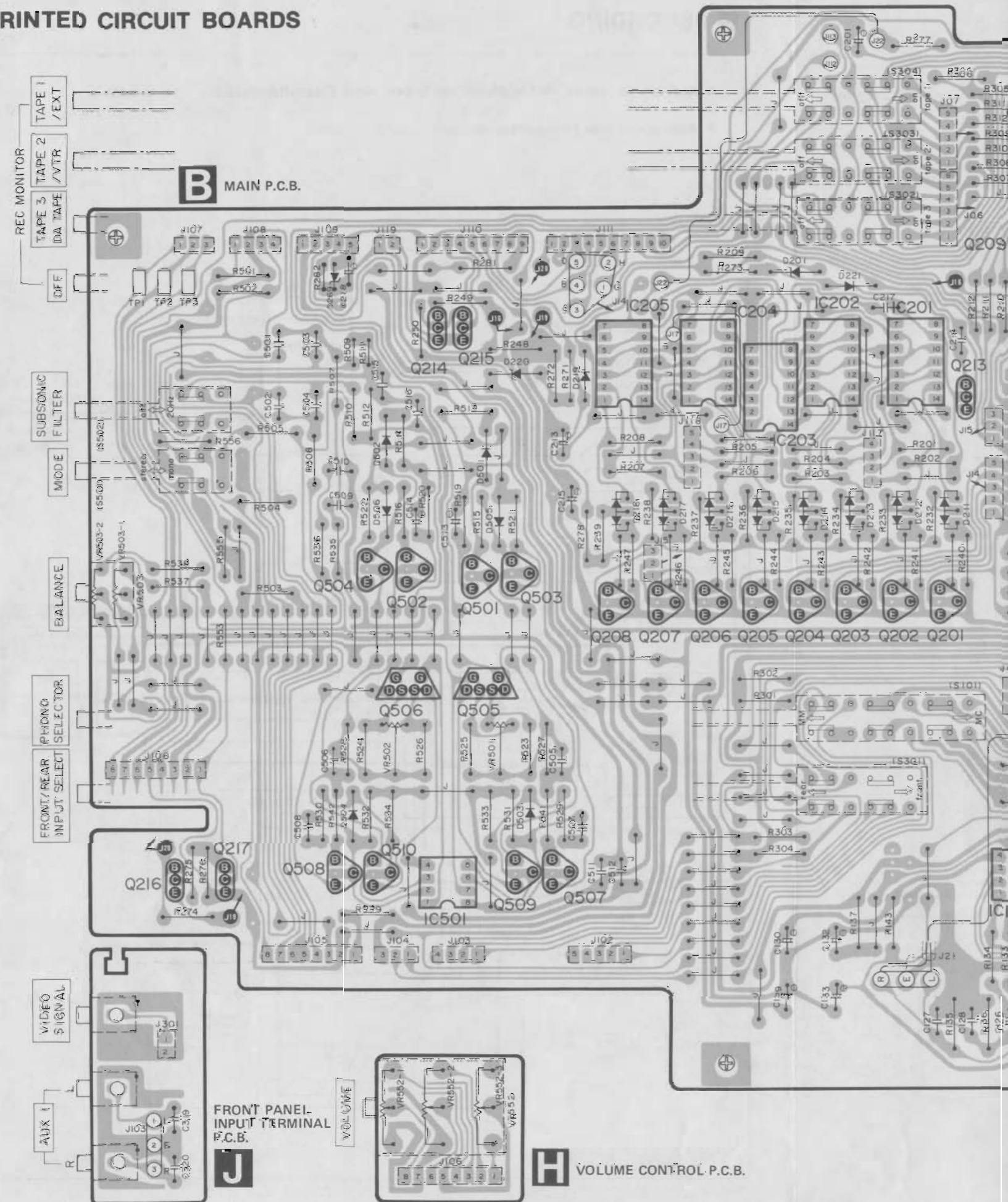
Nach dem Einschalten des Gerätes ist mindestens 2 Minuten lang zu warten, bevor die Justierung durchgeführt wird.

Justierung	Gleichstrom-Voltmeter-Anschlüsse	Zu justierender Drehwiderstand	Vorgehen
Gleichstrom-Balance (Treiberstufe)	L.K.: Gleichstrom-Voltmeter zwischen TP1 und TP2 (Masse) anschließen.	VR501	VR501 (L.K.) und VR502 (R.K.) so justieren, daß das Gleichstrom-Voltmeter $0 \pm 0,1\text{mV}$ anzeigt.
	R.K.: Gleichstrom-Voltmeter zwischen TP3 und TP2 (Masse) anschließen.	VR502	
Gleichstrom-Balance (Hochverstärkungsstufe)	L.K.: Gleichstrom-Voltmeter an den ausgangsanschluß (Pre out) anschließen.	VR801	VR801 (L.K.) und VR802 (R.K.) so justieren, daß das Gleichstrom-Voltmeter $0 \pm 0,5\text{mV}$ anzeigt.
	R.K.: Gleichstrom-Voltmeter an den ausgangsanschluß (Pre out) anschließen.	VR802	

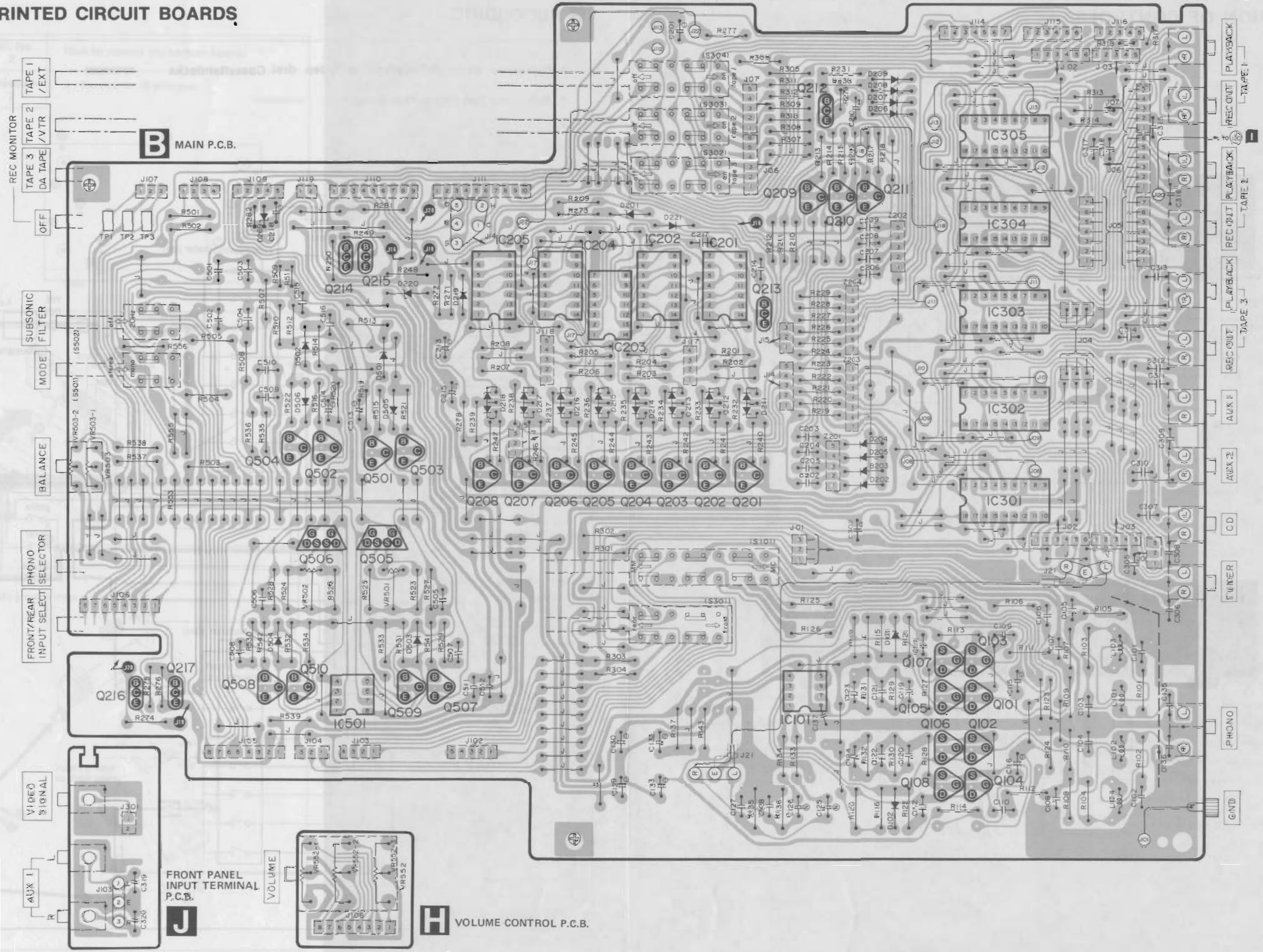
• Zu justierende Punkte



PRINTED CIRCUIT BOARDS



PRINTED CIRCUIT BOARDS



B MAIN P.C.B.

J FRONT PANEL INPUT TERMINAL P.C.B.

H VOLUME CONTROL P.C.B.

dB (MAX)

ht wird.

R502
ab das
ter

R802
ab, das
er

ce
(stufe)

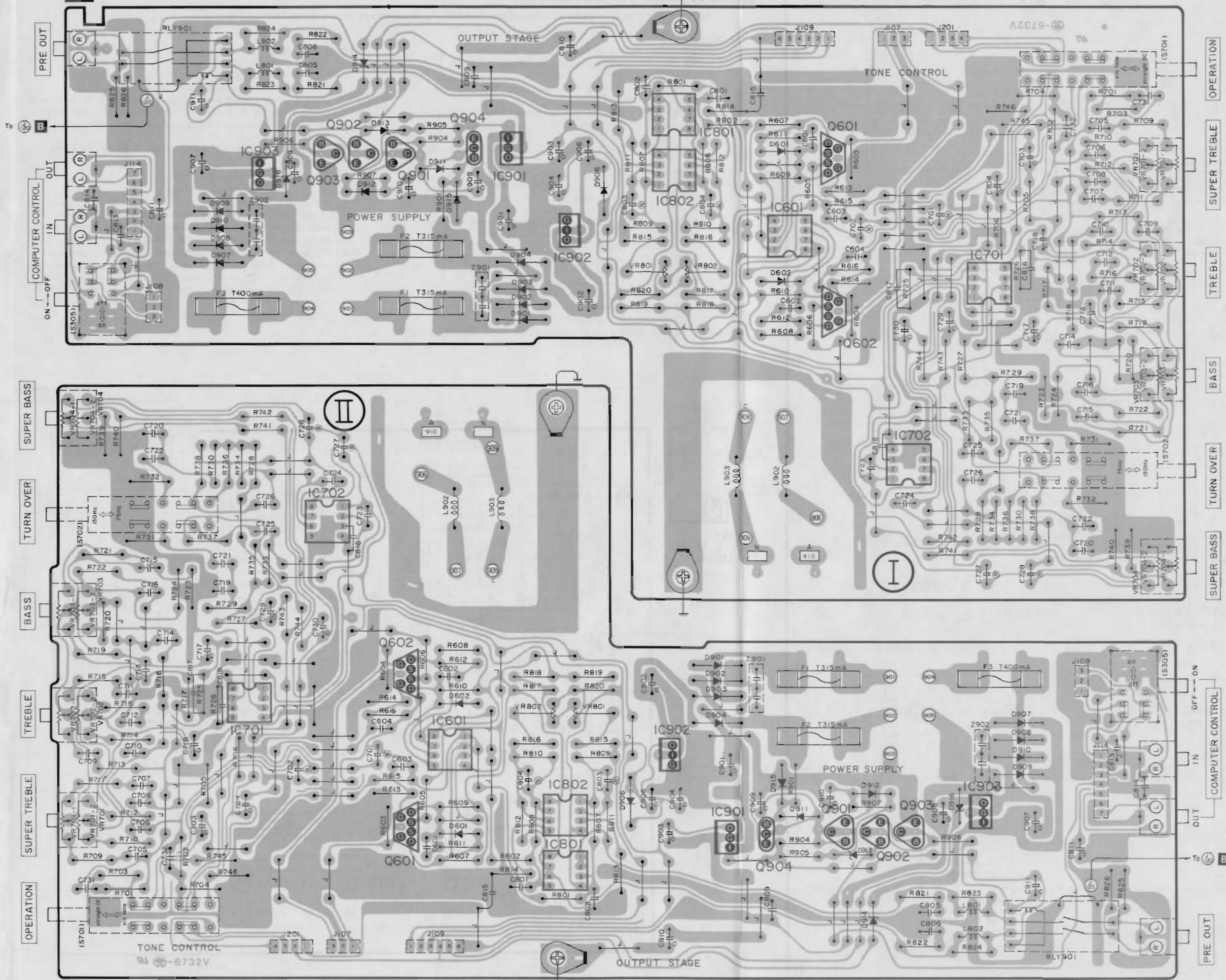
nal)

ce
(stufe)

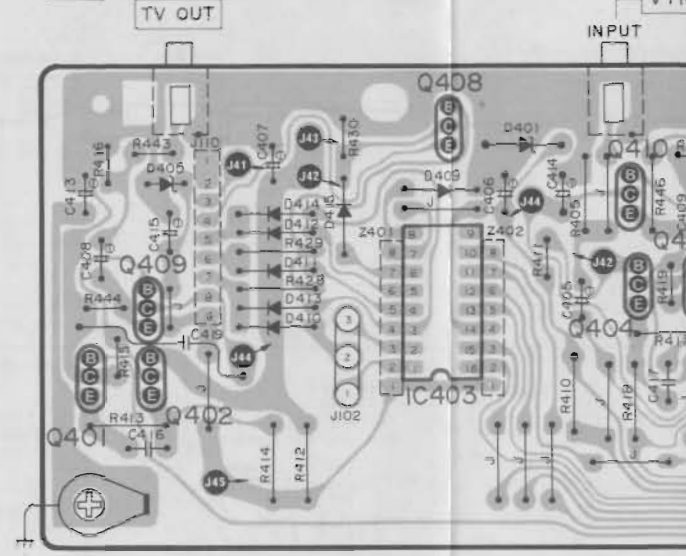
nal)

(This P.C.B. is available in two types I and II for the convenience of manufacture. I or II is printed on the P.C.B. So, check the type of P.C.B. before referring to the diagram shown here. The circuits of types I and II are not different from each other.)

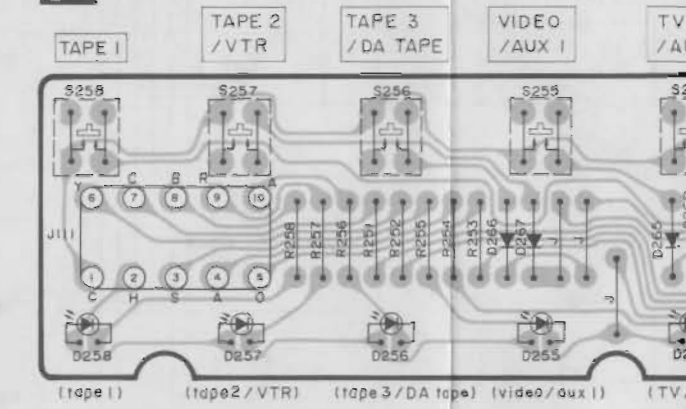
OUTPUT AMP/DC SERVO/POWER SUPPLY P.C.B.



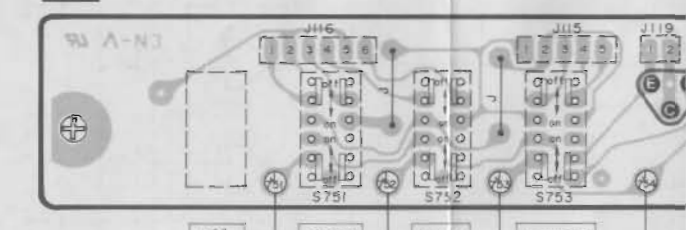
A VIDEO SIGNAL INPUT SELECTOR P.C.B.



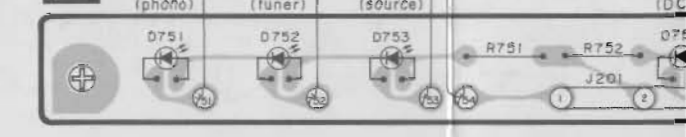
F INPUT SELECTOR SWITCH/IND. P.C.B.



D RECORDING OUTPUT SELECTOR SWITCH P.C.B.



E



BASIC OPERATION OF INPUT SELECTOR CONTROL CIRCUIT

The input selector control circuit is a flip-flop circuit using NOR gate. The output of NOR gate goes "L" when even one of the input terminals is at "H". For example, with tact switch S1 depressed as shown below, the level of signal applied to input terminals of I1 and I3 is "H", and the output goes "L". The outputs of I2 and I3 are applied to input terminals of I1, causing only the level of I1 to go "H". With S2 depressed, "H" is applied to input terminals of I1 and I3, causing the output of I1 to change from "H" to "L". The output is then applied to I2 and I3, changing the output of I2 to "H" and that of I3 to "L". The circuit of this unit is of 8-stage configuration as shown in the block diagram, and operates as explained above.

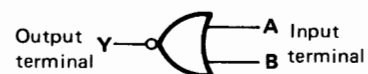
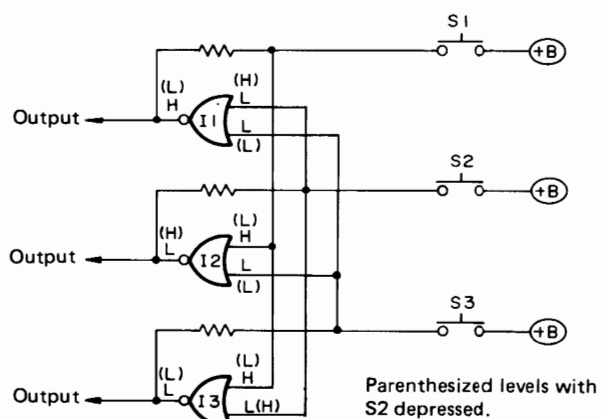


Table of logic

Output Y	Input A	Input B
H	L	L
L	H	L
L	L	H
L	H	H

Parenthesized levels with S2 depressed.

SERVICING PARTS FOR EQUALIZER DIFFERENTIAL TRANSISTORS (Q101 ~ Q108)

The equalizer differential transistors (Q101 ~ Q108) used in this unit are 2SK369. However, when replacing the parts, be sure to use servicing repair parts 2SK146.

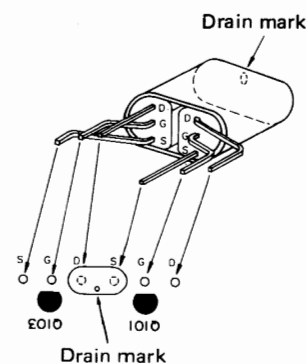
• Pairs replaced

When one of the parts in pair shown below is replaced, remove the other one as well and insert 2SK146 instead.

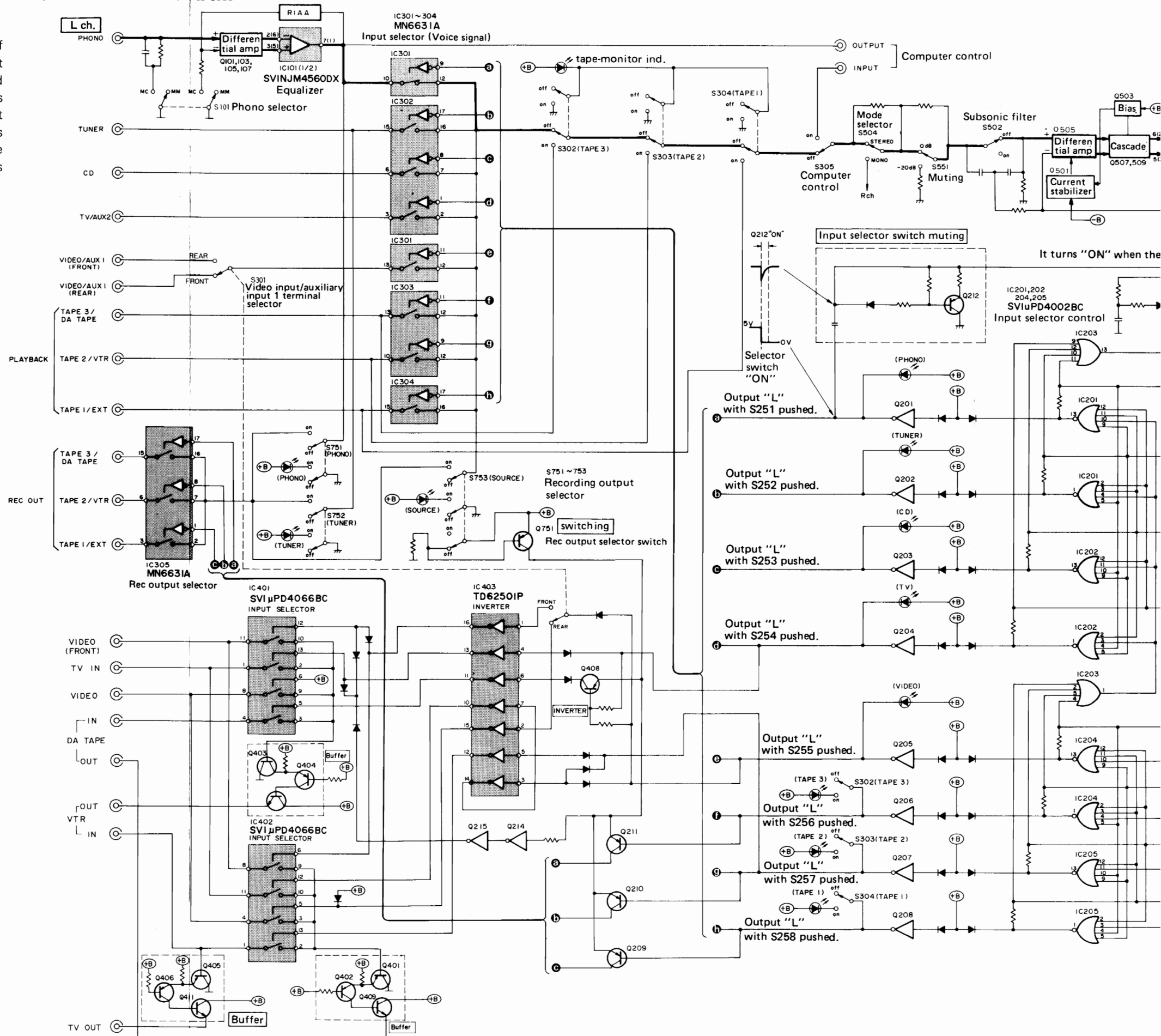
Combination	1	2	3	4
	Q101	Q102	Q105	Q106
	↓	↓	↓	↓
	Q103	Q104	Q107	Q108

• How to fit

- 2SK146 includes 2 transistors. So, bend the legs as shown and put 2 or 3mm tube on each gate leg to prevent shorting between the leads.
- 2SK146 must be correctly inserted according to D, G and S indicated on the surface.



BLOCK DIAGRAM

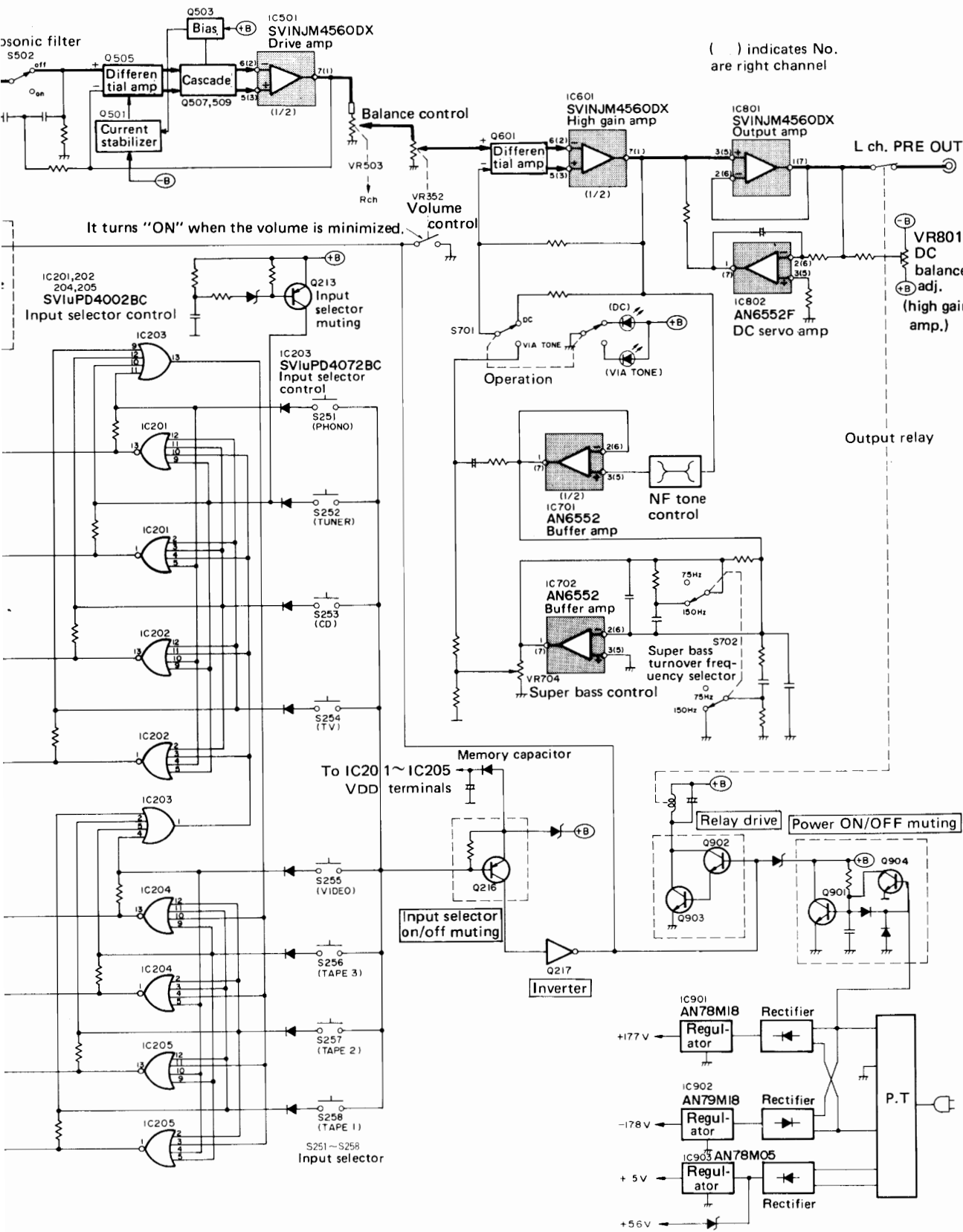


SCHEMATIC DIAGRAM

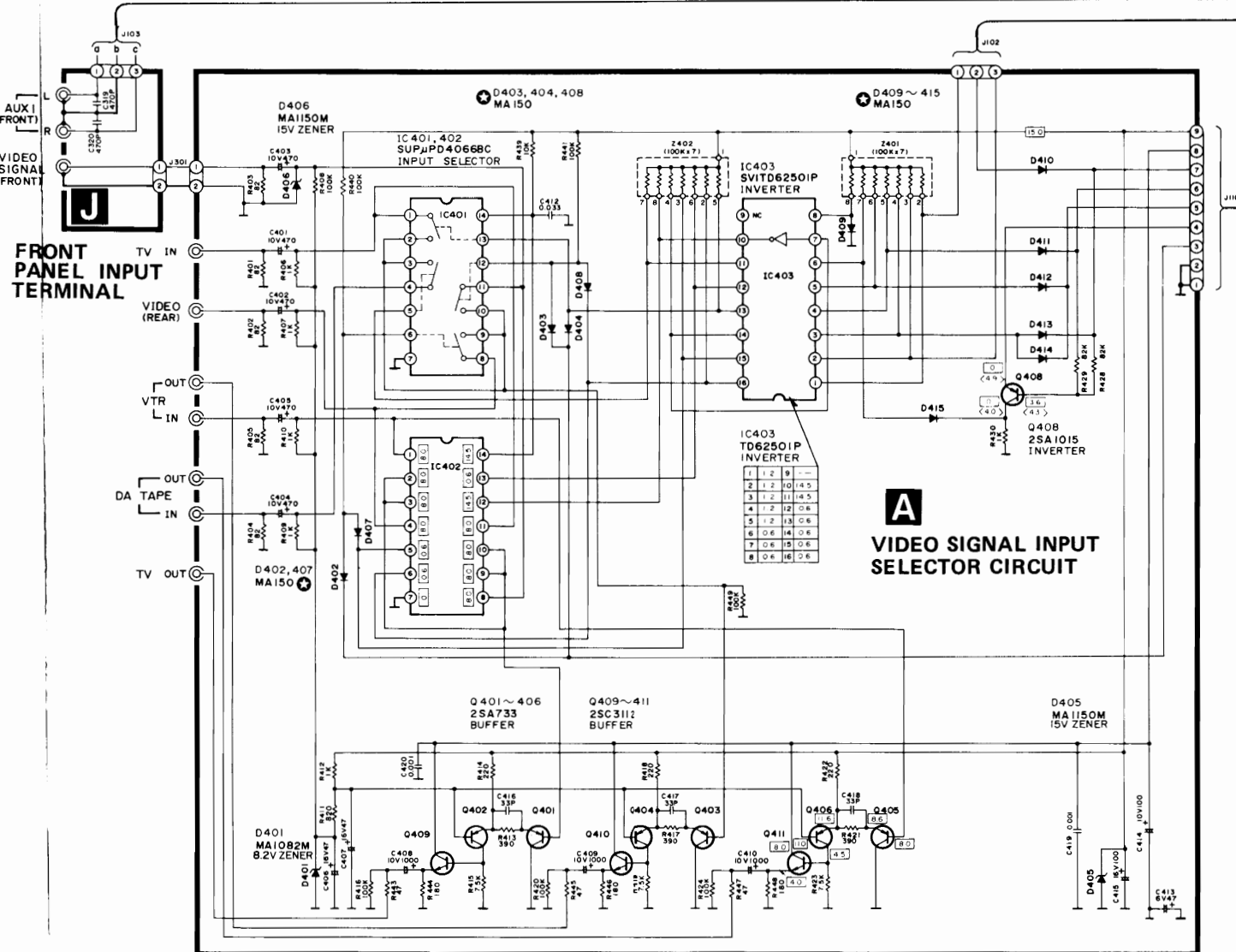
(This schematic diagram may be modified at any time with the development of new technology.)

Notes:

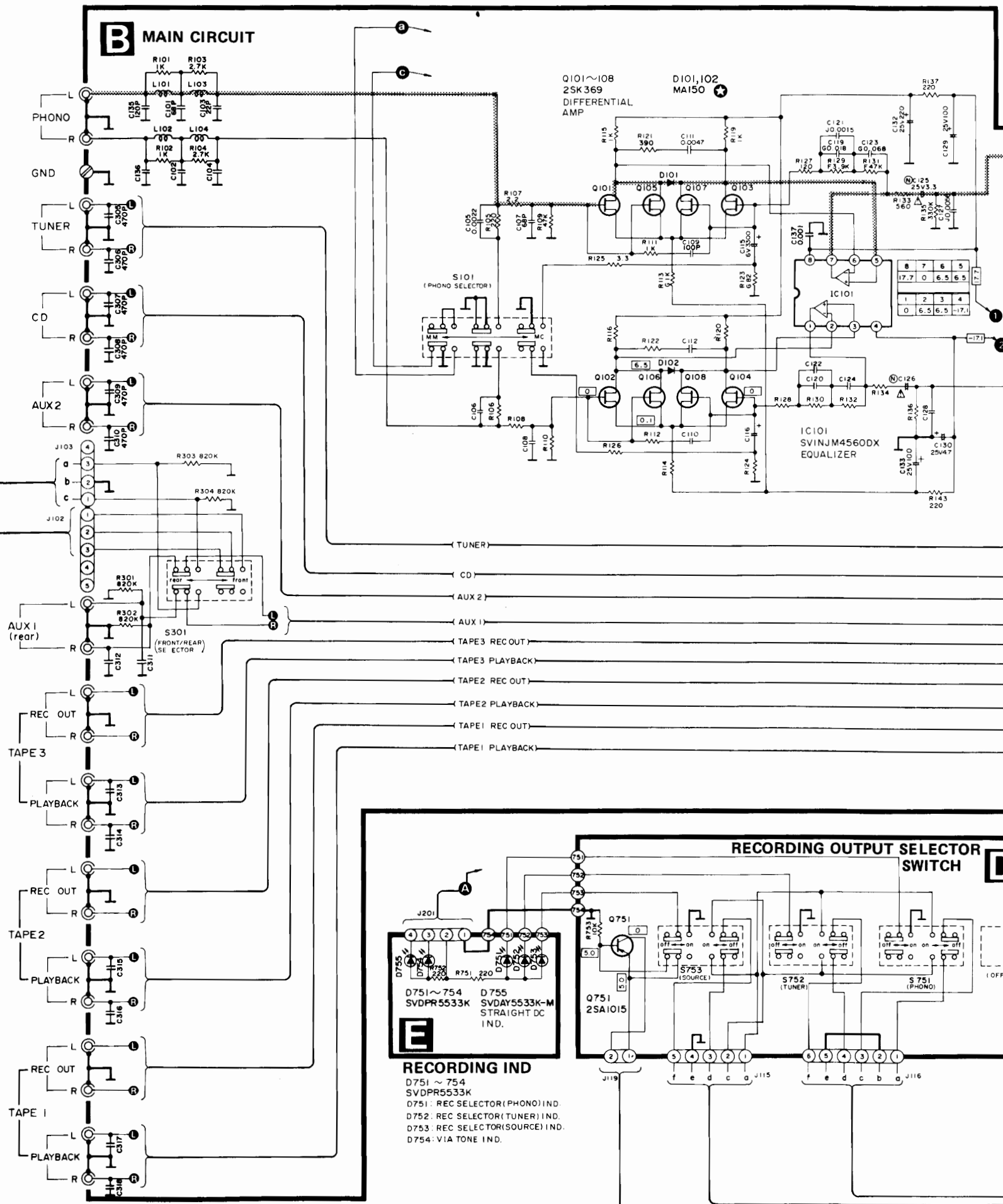
- 1. S1 : Power switch in "on" position
- 2. S2 : Voltage selector in "240V" position.
(110V ↔ 220V ↔ 120V ↔ 240V)
- 3. S101 : Phono selector switch in "MM"-position
(MM ↔ MC)
- 4. S251 ~ 258 : Input selector switch in "phono" position
S251: phono S255: video/aux 1
S252: tuner S256: tape 3/DA tape
S253: CD S257: tape 2/VTR
S254: TV/aux 2 S258: tape 1
- 5. S301 : Front/Rear selector in "Rear" position
- 6. S302 ~ 304 : Tape monitor switch in "off" position
S302: tape 3/DA tape S303: tape 2/VTR
S304: tape 1/ext
- 7. S305 : Computer control switch in "off" position
- 8. S501 : Mode selector switch in "stereo" position
(stereo ↔ mono)
- 9. S502 : Subsonic filter switch in "off" position
(off ↔ 20Hz)
- 10. S551 : Muting switch in "0dB" position
(0dB ↔ -20dB)
- 11. S701 : Operation switch in "straight DC" position
(straight DC ↔ via tone)
- 12. S702 : Turnover frequency switch in "150Hz" position
(75Hz ↔ 150Hz)
- 13. S751 ~ 753 : Recording selector switch in "off" position
S751: phono S753: source
S752: tuner
- 14. [Symbol] Indicated voltage values are the standard values for the DC electronic circuit tester (high impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester. Figres in < > stand for DC voltage in Video, TV signal reception mode.
- 15. [Symbol] Phono signal lines of left channel.
- 16. [Symbol] Positive (+B) voltage lines.
- 17. Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
• The part No. of transistors, IC and diodes mentioned in the schematic diagram stand for production part No. Regarding the part No. with ⚡ mark, the production part No. are different from the replacement part No. Therefore, when placing an order for replacement parts, please use the part No. in the replacement parts list.

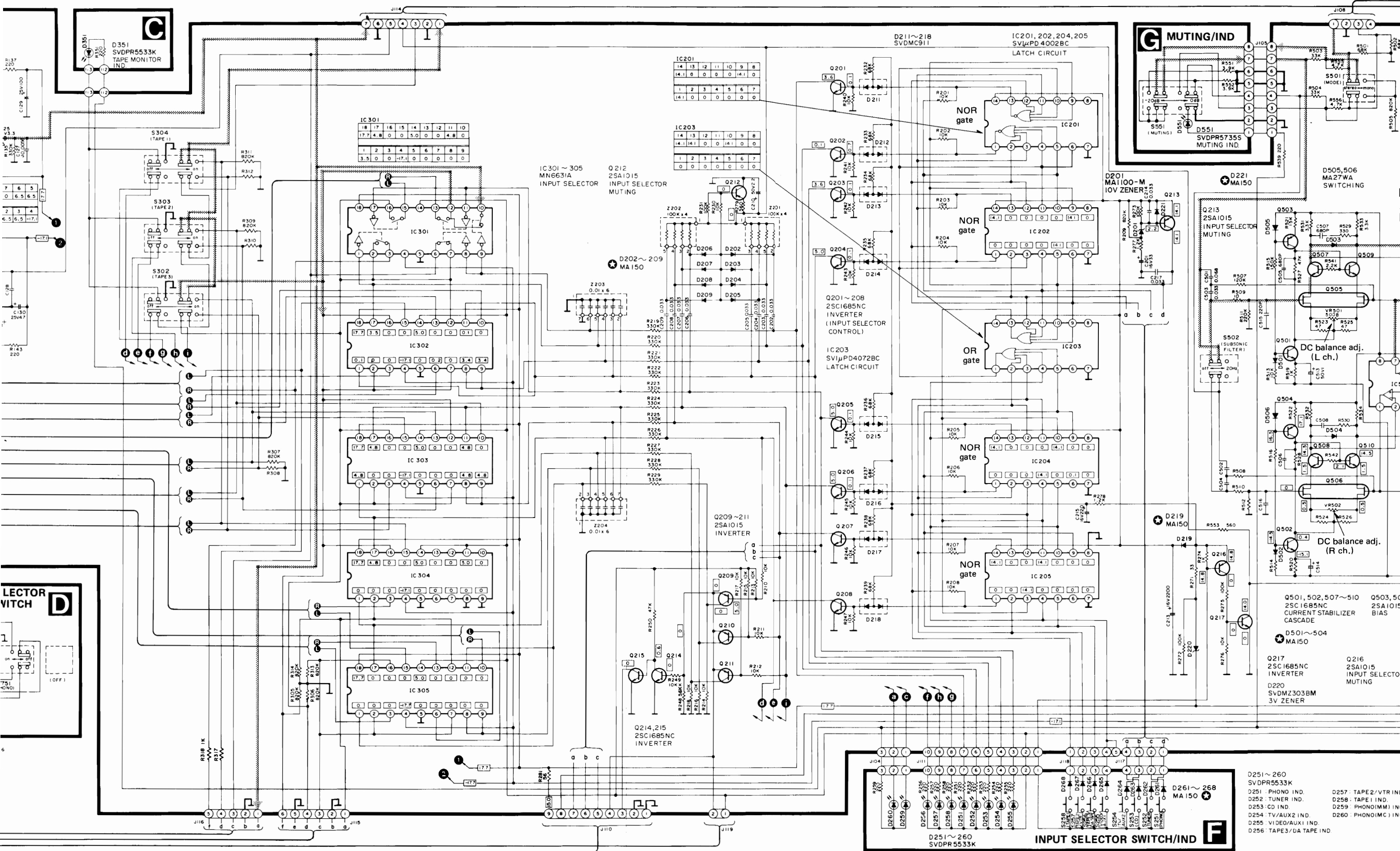


A
B
C
D
E
F
G



B MAIN CIRCUIT





RESISTORS & CAPACITORS

- Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders. 2. Important safety notice: Components identified by Δ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts. 3. The "Ⓢ" mark is service standard parts and may differ from production parts. 4. The unit of resistance is OHM (Ω). K = 1000Ω, M = 1000KΩ 5. The unit of capacitance is MICROFARAD (μF). P = 10^-6 μF

Numbering System of Resistor

Table showing resistor numbering examples: ERD 25 F J 101, Type Wattage Shape Tolerance Value. ERG 2 AN J 2R2, Type Wattage Shape Tolerance Value.

Numbering System of Capacitor

Table showing capacitor numbering examples: ECKD 1H 103 Z F, Type Voltage Value Tolerance Peculiarity. ECEA 50 M R47 R, Type Voltage Peculiarity use Value Special use.

Table with columns: Resistor Type, Wattage, Tolerance. ERD: Carbon, 25: 1/4W, F: ±1%. ERO: Metal Film, S1: 1W, G: ±2%, J: ±5%, K: ±10%.

Table with columns: Capacitor Type, Voltage (ECEA Type, Others), Tolerance. ECEA: Electrolytic, ECEA: Non Polar, ECCD: Ceramic, ECKD: Ceramic, ECQM: Polyester, ECQP: Polypropylene.

CAPACITORS

Large table listing capacitor parts with columns: Ref. No., Part No., Value. Includes parts like ECKDK103PF2, ECEA1CU222, ECEA1CU101, etc.

RESISTORS

Main table listing resistor parts with columns: Ref. No., Part No., Value. Includes parts like ERD25FJ102, ERD25FJ272, ERD25FJ221, etc.

REPLACEMENT PARTS LIST

- Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts order. 2. Important safety notice: Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts. 3. The "Ⓢ" mark is service standard parts and may differ from production parts. 4. The parenthesized numbers in the column of description stand for the quantity per set.

Table listing replacement parts with columns: Ref. No., Part No., Part Name & Description. Includes sections for INTEGRATED CIRCUITS, DIODES, TRANSISTORS, COILS, TRANSFORMERS, VARIABLE RESISTORS, RELAY, COMPONENT COMBINATIONS, SWITCHES, and FUSES.

Table listing cabinet and chassis parts with columns: Ref. No., Part No. Includes parts like SGU187, SGWUA6MK2-KN, SNE2083, etc.

● CAPACITORS

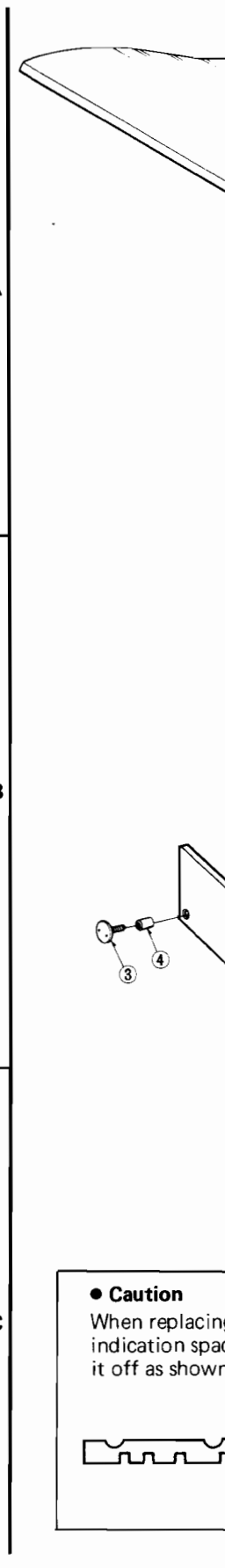
Ref. No.	Part No.	Value	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value
C1.2	△ ECKDKC103PF2	0.01	C213	ECEA1CU222	2200	C415	ECEA1CU101	100	C721,722	△ SQM1H154JZ	0.15
C101,102	△ ECCD1H680KC	68P	C214	△ ECKD1H333ZF	0.033	C416,417	△ ECCD1H330KC	33P	C723,724	△ SQM1H153JZ	0.015
C103,104	△ ECCD1H220KC	22P	C215	ECEA1CU221	220	C418	△ ECCD1H330KC	33P	C725,726	△ SQM1H153JZ	0.015
C105,106	△ ECQM1H222JZ	0.0022	C217	△ ECKD1H333ZF	0.033	C419,420	△ ECKD1H102KB	0.001	C727,728	△ ECEA1CN330S	33
C109,110	△ ECCD1H101K	100P	C218	ECEA1AU101	100	C501,502	△ ECQM1H683JZ	0.068	C729,730	ECEA1CU470	47
C111,112	△ ECQM1H472JZ	0.0047	C302	ECEA1EU470	47	C503,504	△ ECQM1H333JZ	0.033	C731,732	△ ECCD1H470K	47P
C115,116	ECEAOJU332	3300	C305,306	△ ECKD1H471KB	470P	C505,506	△ ECKD1H681KB	608P	C801,802	△ ECCD1H151K	150P
C119,120	ECQP1183GZ	0.018	C307,308	△ ECKD1H471KB	470P	C507,508	△ ECKD1H681KB	680P	C803,804	△ ECEA1CN100S	10
C121,122	△ ECQM1H152JZ	0.0015	C309,310	△ ECKD1H471KB	470P	C509,510	△ ECKD1H102KB	0.001	C805,806	△ ECQM1H222JZ	0.0022
C123,124	ECQP1683JZ	0.068	C311,312	△ ECKD1H471KB	470P	C511,512	△ ECKD1H333ZF	0.033	C809	△ ECKD1H333ZF	0.033
C125,126	△ ECEA1EN3R3S	3.3	C313	△ ECKD1H471KB	470P	C513,514	ECEA1HU010	1	C810	ECEAOJU470	47
C127,128	△ ECQM1H562JZ	0.0056	C314,315	△ ECKD1H471KB	470P	C515,516	△ ECKD1H221KB	220P	C811	ECEA1EU4R7	4.7
C129	ECEA1EU101	100	C316,317	△ ECKD1H471KB	470P	C601,602	△ ECCD1H181K	180P	C813,814	△ ECKD1H471KB	470P
C130	ECEA1EU4R7	4.7	C318	△ ECKD1H471KB	470P	C603,604	△ ECCD1H270K	27P	C815	△ ECKD1H332MD	0.0033
C132	ECEA1CU221	220	C319,320	△ ECKD1H471KB	470P	C701,702	△ ECEA1CN470S	47	C816	△ ECKD1H103ZF	0.01
C133	ECEA1EU101	100	C401,402	ECEA1AU471	470	C703,704	ECEA1HUR47	0.47	C817,818	△ ECCD1H390KC	39P
C135,136	△ ECCD1H121KC	120P	C403,404	ECEA1AU471	470	C705,706	△ ECKD1H561KB	560P	C901,902	ECEA1VU102	1000
C137	△ ECKD1H102KB	0.001	C405	ECEA1AU471	470	C707,708	△ ECQM1H472JZ	0.0047	C903,904	ECEA1EU100	10
C201	ECEA1CU330	33	C406,407	ECEA1CU470	47	C709,710	△ ECQM1H222JZ	0.0022	C906	ECEA1EU470	47
C202,203	△ ECKD1H333ZF	0.033	C408,409	ECEA1AU102	1000	C711,712	△ ECQM1H183JZ	0.018	C907	ECEA1CU222	2200
C204,205	△ ECKD1H333ZF	0.033	C410	ECEA1AU102	1000	C713,714	△ ECQM1H123JZ	0.012	C908	ECEA1AU101	100
C206,207	△ ECKD1H333ZF	0.033	C412	△ ECKD1H333ZF	0.033	C715,716	△ ECQM1H683JZ	0.068	C909	ECEA1HU3R3	3.3
C208,209	△ ECKD1H333ZF	0.033	C413	ECEAOJU470	47	C717,718	ECEA1HU010	1	C910	ECEA1CU220	22
C210	ECEA1HU2R2	2.2	C414	ECEA1AU101	100	C719,720	△ ECQM1H154JZ	0.15	C911	ECEA1HUR33	0.33

■ REPLACEMENT PARTS LIST

- Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts order.
 2. Important safety notice: Components identified by △ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
 3. The "△" mark is service standard parts and may differ from production parts.
 4. The parenthesized numbers in the column of description stand for the quantity per set.

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
INTEGRATED CIRCUITS			DIODES			VARIABLE RESISTORS		
IC101,501,601,701,801	SVINJM4560DX	Equalizer, Drive Buffer, Amp	407,409~415	MA162A	Switching	VR701,702	EWGHC0054C15	Treble, super treble 100kΩ(C)
IC201,202,204,205	SVIUPD4002BC	Input selector control	501~504,601,602,911,912,915			VR703	EWGHCY054530	Bass
IC203	SVIUPD4072BC	Input selector Control	D201	MA1100-M	10V, Zener	VR704	EWKK5A531B53	Supper Bass, 5kΩ (B)
IC301~305	MN6631A	Input selector (Voice signal)	D211~218	SVDMC911	Input selector	VR801,802	EVNKG6AA00B23	DC offset adj, 2kΩ (B)
IC401,402	SVIUPD4066BC	Input selector (Video signal)	D220	SVDMZ303BM	3V, Zener			
IC403	SVITD62501P	inverter	D251~260,351	SVDPR5533K	Input selector IND	RELAY		
IC702,802	AN6552F	Buffer, DCservo	D401	MA1082M	8.2V, Zener	RLY901	SSY9	output
IC901	AN78M18	Regulator	D505,506	MA27W-A	Switching	COMPONENT COMBINATIONS		
IC902	AN79M18	Regulator	D402~404,408	MA162A	Input selector	Z201,202	EXBP84104K	100kΩ×4
IC903	AN78M05	Regulator	D405,406	MA1150M	15V Zener	Z203,204	EXFP6103ZW	0.01μF×6
			D551	SVDPR5735S	Muting IND	Z401,402	EXBP87104K	100kΩ×7
			D751~754	SVDPR5533K	Rec output	Z901,902	SXRF203ZSM	0.01μF×2
			D755	SVDAY5533K-M	DC IND	SWITCHES		
			D901~904,906~910	SVDSR1K2	Rectifier	S1	△ ESB99399S	Power switch
			D913	MA1082M	8.2V Zener	S101,301	SSH2071	Phono, terminal selector
			D914	MA1047A	4.7V Zener	S251~258	SSG13	Input selector
			D916	MA1030M	3V, Zener	S302~304	SSH469	Tape monitor
						S305	RSS42A	Computer control
						S501,502	SSH2073	Rec mode, Subsonic
						S551	SSH1139	Muting
						S701,702	SSH1137	Operation, supper Bass
						S751~753	SSH471	Rec output
						S2	△ ESE3787	Voltage Selector
						FUSES		
						F1,2	XBA2C03TRO	250V, T315mA
						F3	XBA2C04TRO	250V, T400mA

Ref. No.	Part No.	Part Name & Description	Ref. No.	Part No.	Part Name & Description
CABINET AND CHASSIS PARTS			SCREWS, WASHERS AND NUT		
1	SGU187	Transparent plate (1)	N1	△ XTB3+8BFZ	⊕3×8, Front Panel (1)
2	SGWUA6MK2-KN	Front panel Ass'y (1)	N2	△ XWC3B	Washer, Front Panel (2)
3	SNE2083	Rock pin (2)	N3	△ XSN3+6S	⊕3×6 (1)
4	SHG6131	Spacer (1)	N4	△ XWA3B	⊕3 (4)
5	SHR9575	Spacer (2)	N5	△ XTB3+8B	⊕3×8 (8)
6	SUB51	Hinge, Operation Lever(R) (1)	N6	△ XTB3+10B	⊕3×10 (5)
7	SUB53	Hinge, Operation Lever(L) (1)	N7	△ XTB3+8B	⊕3×8 (2)
8	SUB57	Operation(R) (1)	N8	△ XWC3B	Washer (1)
9	SUE23-1	Holder, Operation Lever (1)	N9	△ XTB3+8B	⊕3×8 (2)
10	XUC3FT	E Ring (1)	N10	△ XSN3+6S	⊕3×6 (2)
11	SUB55	Hinge, Operation Lever (1)	N11	△ XWA3B	Washer (2)
12	SUS223	Spring (1)	N12	△ XTB3+8B	⊕3×8, Shield (1)
13	SBC639	Button (1)	N13	SNE4021	Washer, Volume (1)
14	SHG6129	Spacer (1)	N14	△ XSN3+6S	⊕3×6 (5)
15	SUE25-1	Holder, Gear (1)	N15	△ XWA3B	Washer (2)
16	SUB65	Gear (1)	N16	△ XTB3+8B	⊕3×8 (2)
17	SUB59	Gear (2)	N17	△ XTB3+8BFZ	⊕3×8 (1)
18	SUB63	Gear (1)	N18	△ XTB3+12BFZ	⊕3×12 (4)
19	SBCUA6MK2-KN	Input selector, Plate (1)	N19	△ XTB3+8B	⊕3×8 (10)
20	SGL165	Input selector, Button (1)	N20	△ XTV3+8B	⊕3×8 (4)
21	SGXUA6MK2-KN	Input selector, Button (1)	N21	△ XWG3	Washer (4)
22	SDU241	Spacer, Muting (1)	N22	XSS55+12FIS	⊕5×12 Cabinet (8)
23	RHR969ZA	Lock pin (2)	N23	△ XTB3+8BFZ	⊕3×8 (10)
24	SBN1169	Knob, Volume (1)	N24	△ XWC4B	Washer (2)
25	SHP9377	Spacer, Volume (1)	N25	△ XNG4BS	Nut (1)
26	SBC621	Button, Rec selector (4)	N26	△ XTB3+8BFN	⊕3×8 (2)
27	SBC627	Button, Power (1)	N27	△ XWT4	Washer (2)
28	SBN1167	Knob (5)	N28	△ XTB3+14BFZ	⊕3×14 (2)
29	SBC399T	Button (5)	PACKING PARTS		
30	SMCUA6MK2-KN	Bracket, Power Transformer (1)	P1	SPP689	Ployethylene Bag (1)
31	RJR2B	Holder (1)	P2	SPH207	Sheet (1)
32	SKU8790-3	Bottom Board (1)	P3	SPS2955-6	Pad, left Side (1)
33	SKL247-2	Foot (4)	P4	SPS2957-5	Pad, Right side (1)
34	SUB99	Connection Rod (5)	P5	SPG4791	Carton Box (1)
36	SHR127	Bushing, AC Outlet (1)	ACCESSORIES		
37	△ SJA138-3	AC Cord (1)	A1	SJP2239	Pin cord (1)
38	SMC1135	Shield cover (1)	A2	TSX299	Pin cord (1)
39	SGP6050-1A	Rear Panel (1)	A3	SQF12031	Instruction Book (1)
40	SJF3057-3N	Terminal, Computer Control (1)	A4	SJPA11-1	Short Pin (10)
41	SJF3057-4A	Terminal, Output (1)			
42	SJF3057-3N	Terminal, Tape1,2 (1)			
43	SJF3059-7N	Terminal, Tape3, Tuner (1)			
44	SJF3225-3SA	Terminal, Phono (1)			
45	SJF3061-4N	Terminal, TV, VIDEO, Tape3 (1)			
46	SJF3061-3N	Terminal, Tape2 (1)			
47	SKC350B2	Cabinet (1)			
48	SNE4017	Terminal, Earth (1)			
49	SNTA421	Terminal, Earth (1)			
50	SNEA204-2S	Terminal, Earth (1)			
51	RJT204A	Terminal, Earth (1)			
52	SHP9319	Space (1)			
53	SJF3061N	Terminal, OUTPUT (1)			
54	SHR301	Clamp (8)			
55	SJF3061-2N	Terminal, VIDEO Signal (1)			
56	SJT3511	Post (5pin) (2)			
56	SJT3611	Post (6pin) (1)			
57	SJS5331	Socket (3pin) (1)			
57	SJS5629	Socket (6pin) (1)			
58	SJT783	Terminal (3)			



A	
B	③ ④ ① ⑤
C	

