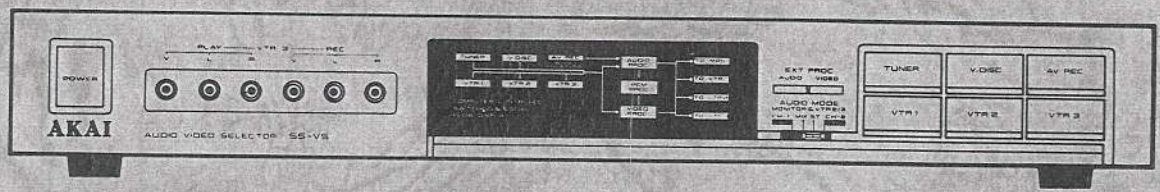


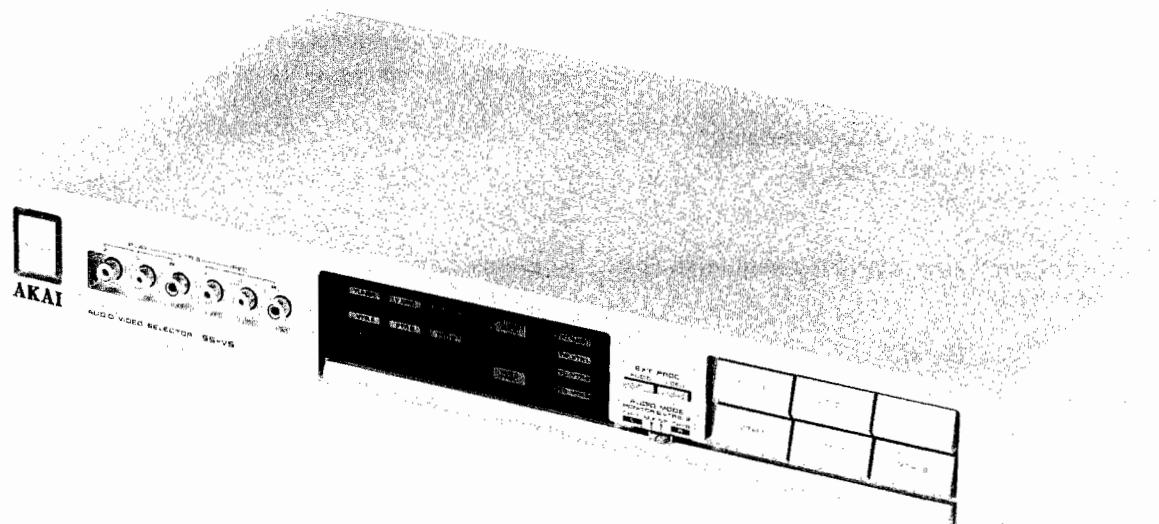
SS-V5
J/U/UM
EA/EK/EO/S

AKAI SERVICE MANUAL



AUDIO VIDEO SELECTOR

MODEL **SS-V5** J/U/UM
EA/EK/EO/S



AUDIO VIDEO SELECTOR

MODEL **SS-V5**^{J/U/UM}_{EA/EK/EO/S}

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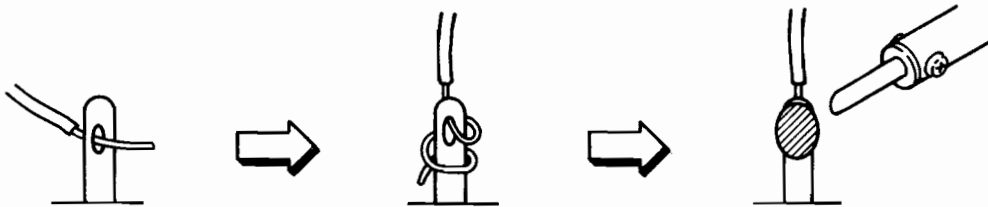
SAFETY INSTRUCTIONS

SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 Mohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for **C** or **A**, specified insulation resistance should be more than 2.2 Mohms (ground terminals, microphone jacks, headphone jacks, line-in-out jacks etc.)

PRECAUTIONS DURING SERVICING

1. Parts identified by the **Δ** symbol parts are critical for safety.
Replace only with parts number specified.
2. In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
3. Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
4. Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers (Insulating Barriers)
 - 4) Insulation sheets for transistors
 - 5) Plastic screws for fixing microswitch (especially in turntable)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).
7. Check that replaced wires do not contact sharp edged or pointed parts.
8. Also check areas surrounding repaired locations.
9. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

VOLTAGE CONVERSION

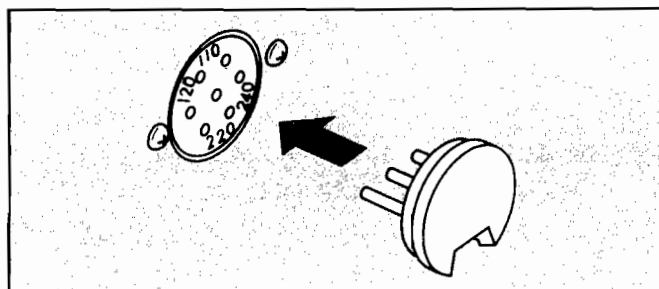
Models for Canada, USA, Europe, UK and Australia are not equipped with this facility. Each machine is preset at the factory according to its destination, but, some machines can be set to 110V, 120V, 220V or 240V as required. If your machine's voltage can be converted:

Before connecting the power cord, gently pull the voltage selector plug (located on the rear panel) from it's socket.

Remove the 3 prong cap from the voltage selector plug. Reinsert the prongs of the cap into the holes in such a way that when inserted, the correct voltage for your area will be displayed. Then, return the voltage selector plug to it's socket.

CYCLE CONVERSION

Cycle conversion is not necessary.



SECTION 1

SERVICE MANUAL

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I. SPECIFICATIONS

VIDEO SECTION

INPUT LEVEL/IMPEDANCE	1Vp-p/75ohms
OUTPUT LEVEL/IMPEDANCE	1Vp-p/75ohms
FREQUENCY RESPONSE	50Hz to 6MHz \pm 1dB
CROSSTALK	Less than -45dB (at 3.58MHz)

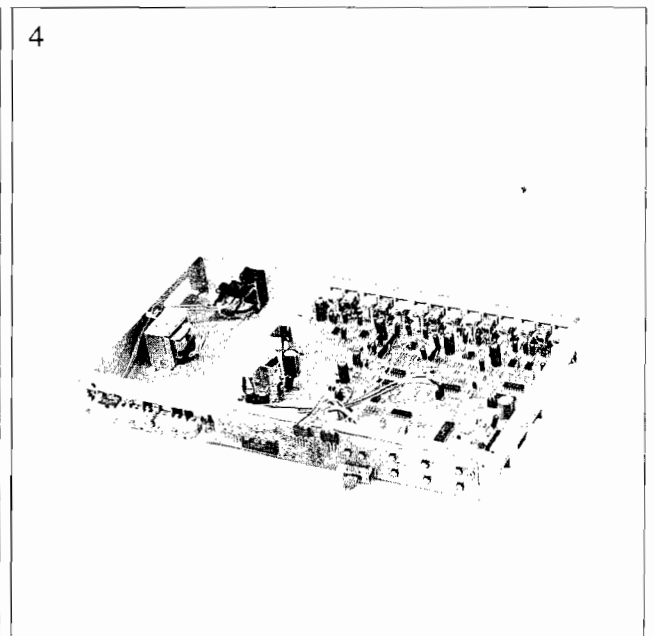
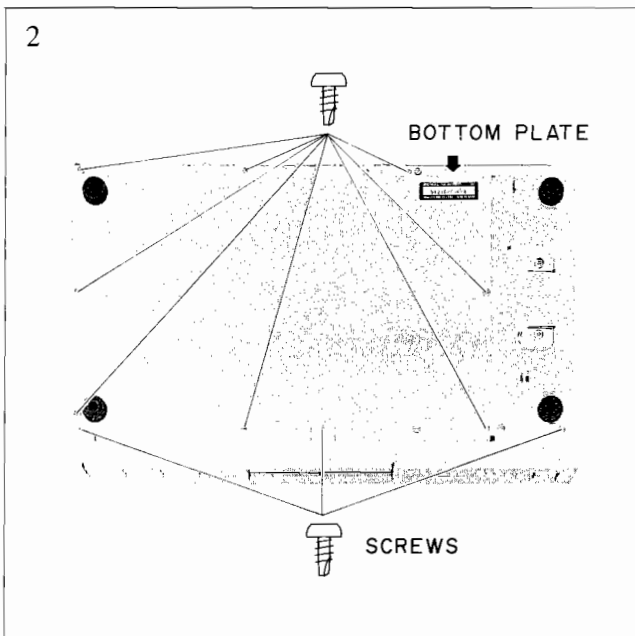
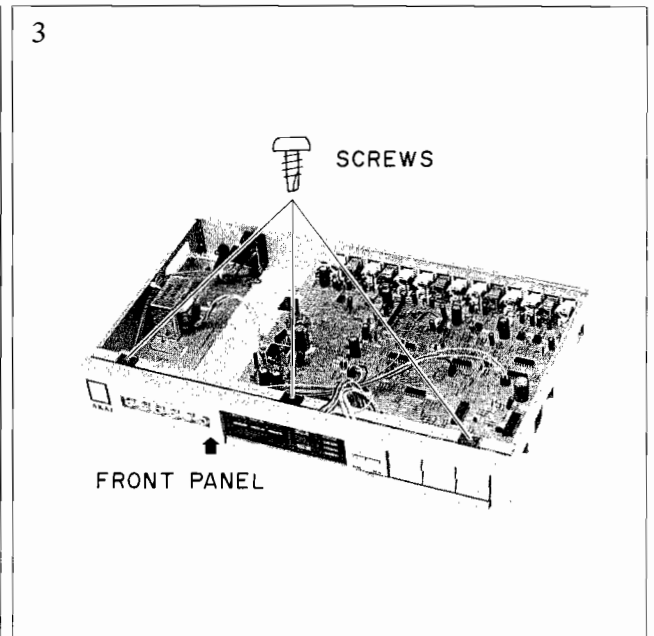
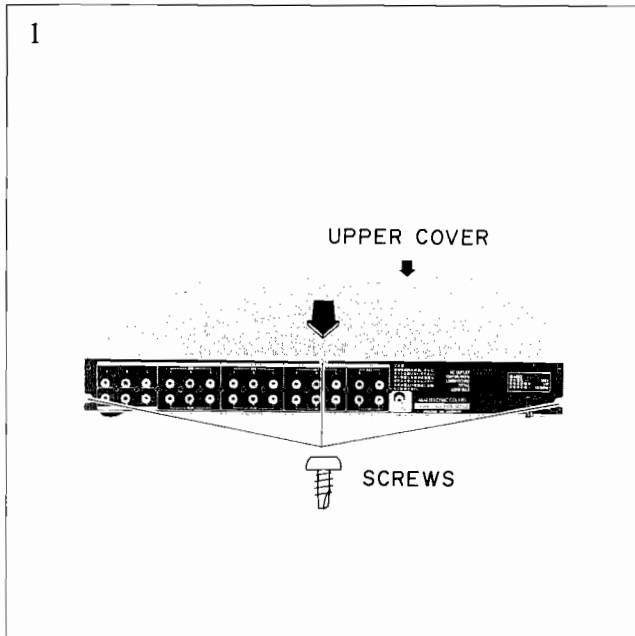
AUDIO SECTION

INPUT LEVEL/IMPEDANCE	2.5Vrms max/47kohms
OUTPUT LEVEL/IMPEDANCE	0 \pm 1dB/Less than 1kohms (to input signal)
FREQUENCY RESPONSE	20Hz to 30kHz \pm 1dB
S/N	More than 70dB
DISTORTION	Less than 0.08% (at output level 150mV)
CHANNEL SEPARATION	More than 50dB (IHF-A)
CROSSTALK	Less than -60dB (IHF-A)
FUNCTION MODE BACK-UP	7 days (Recharges after the power is turned on for more than 10 min.)
RF OUTPUT	VHF 3 or 4 channel switchable (preset to channel 4)
POWER REQUIREMENTS	120V, 60Hz for USA & Canada 220V, 50Hz for Europe except UK 240V, 50Hz for UK & Australia 110/120/220/240V, 50/60Hz convertible for other countries
DIMENSIONS	440(W) \times 65(H) \times 260(D) mm (17.3 \times 2.5 \times 10.2 inches)
WEIGHT	3.3kg (7.3 lbs)

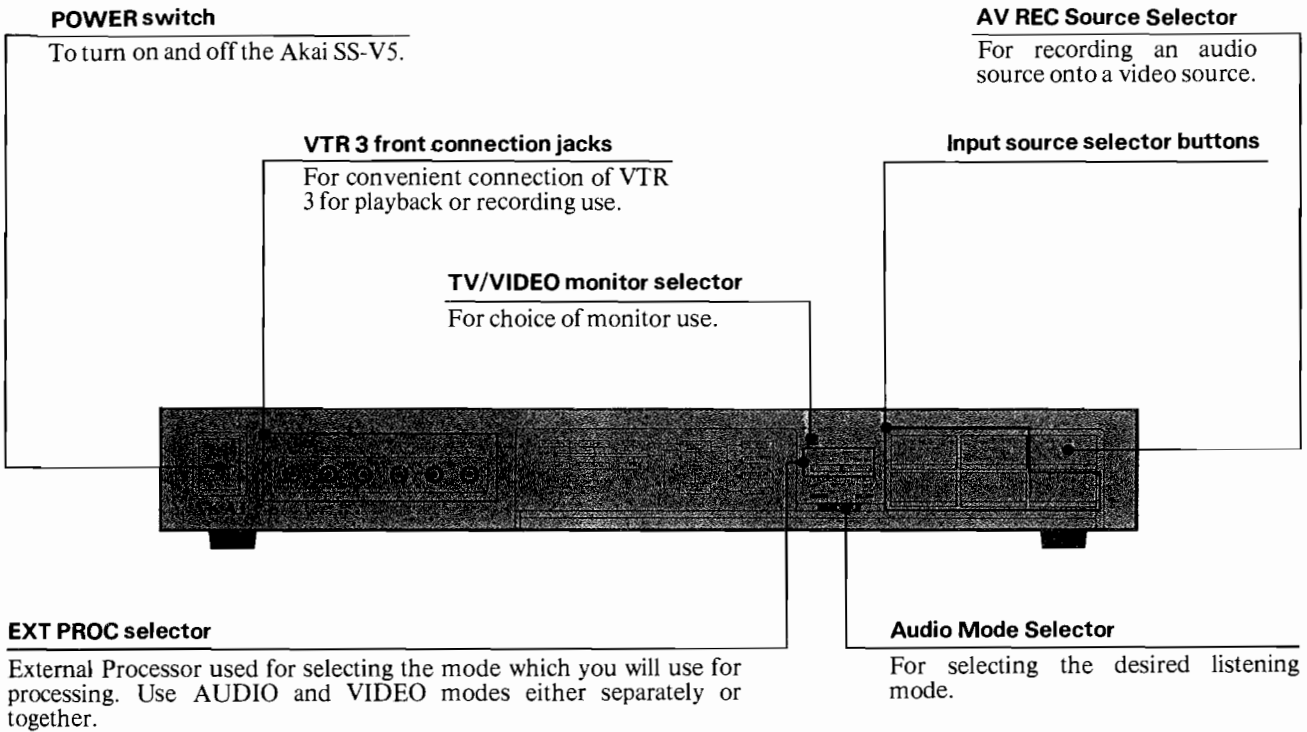
* For improvement purposes, specifications and design are subject to change without notice.

II. DISMANTLING OF UNIT

In case of trouble, etc. necessitating dismantling, please dismantle in the order shown in the photographs. Reassemble in reverse order.



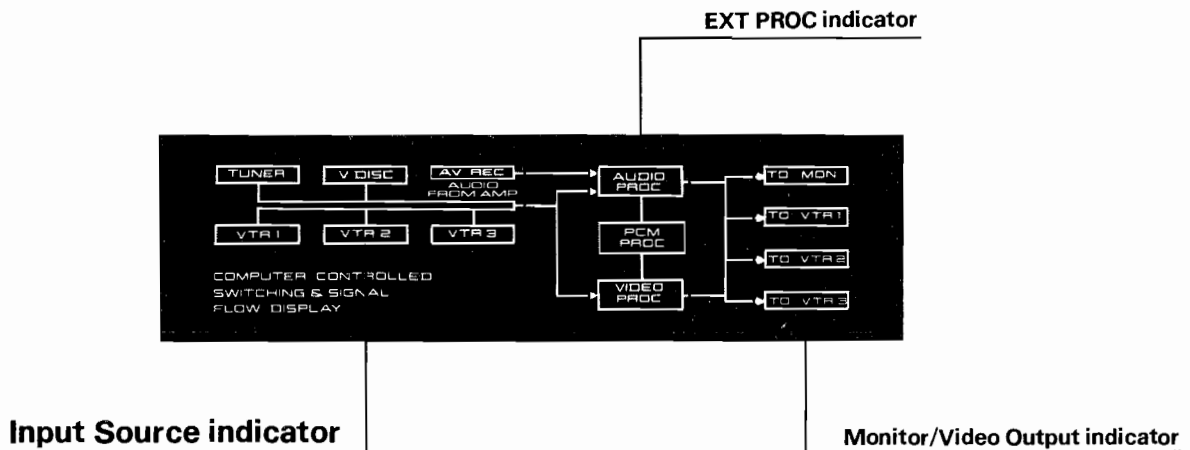
III. CONTROLS



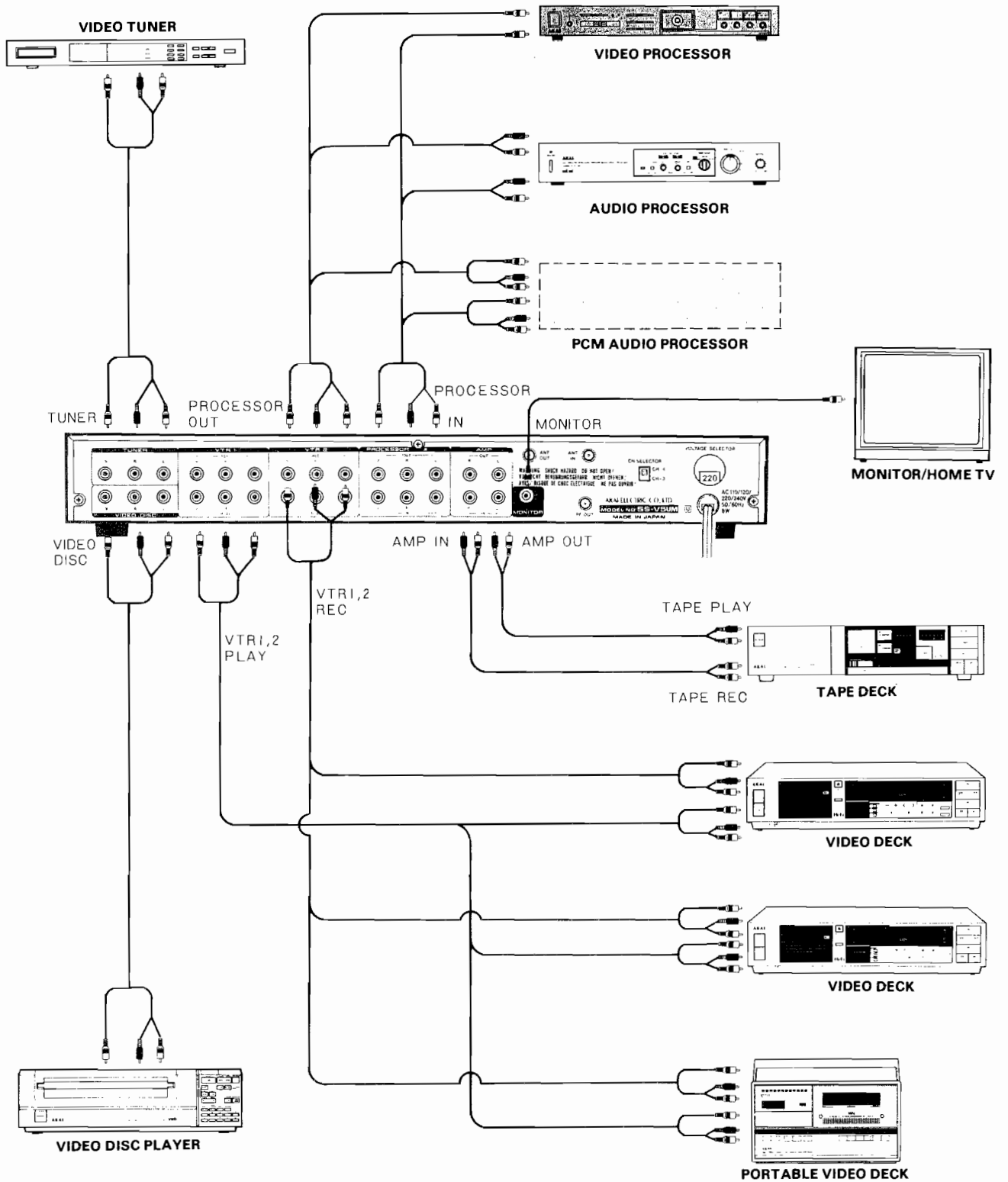
Note on the A/V REC Source selector

When recording a Simulcast program, (simultaneous Radio and TV broadcast), or any time you want to record from Audio to Video, this source must be depressed. Usually, this button should remain off.

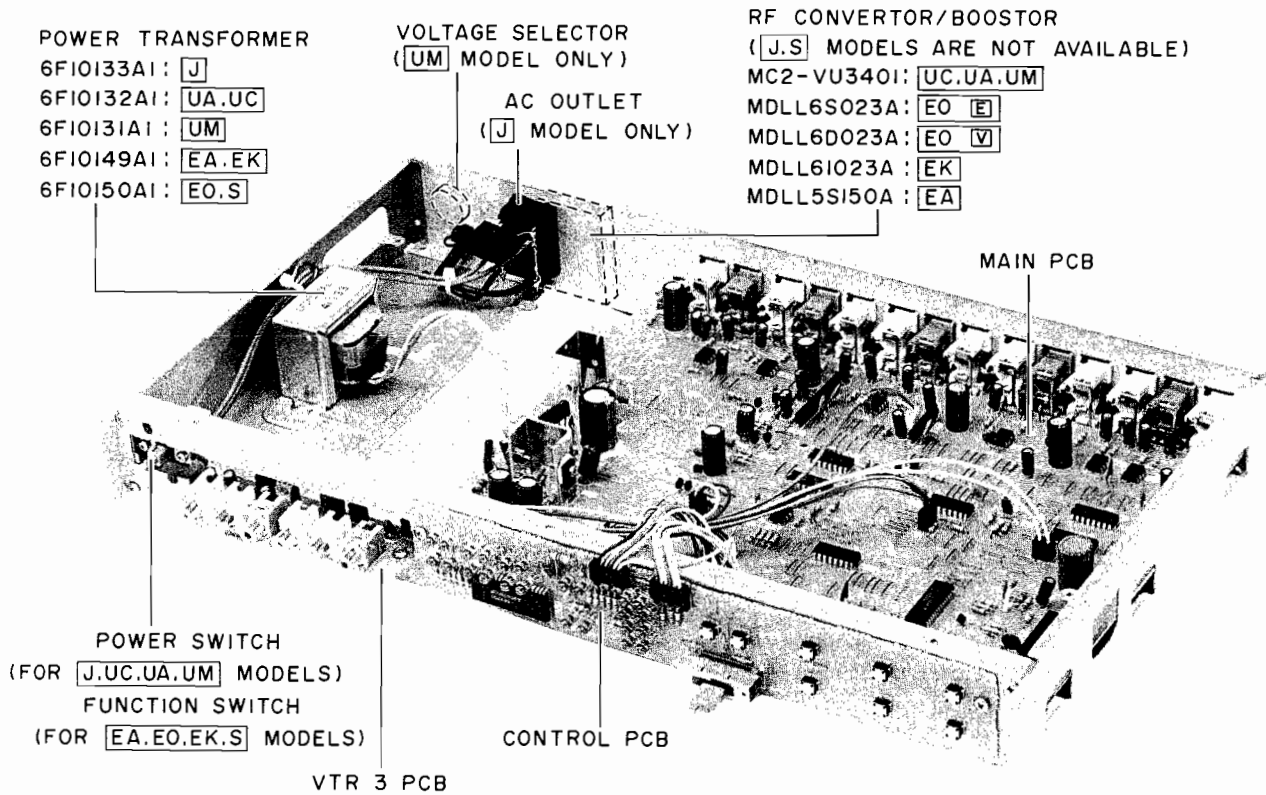
On the Signal Flow Display



IV. BASIC CONNECTION TO THE SS-V5



V. PRINCIPAL PART LOCATION



VI. EXPLANATIONS OF UNIT

6-1. MODEL NAME AND DESTINATION

MODEL NAME		DESTINATIONS
SS-V5J	J	Japan
SS-V5U	A	USA
SS-V5U	C	Canada
SS-V5S	E	France
SS-V5EA	S	Australia
SS-V5EO	E	Netherland, Europe, Middle East, S.E Asia
SS-V5EO	V	W. Germany
SS-V5EK	B	UK
SS-V5UM	U	Convertible for other countries

6-2. DIFFERENCE BETWEEN DESTINATIONS

DIFFERENCE ITEM	DESTINATIONS						
	J	U	UM	EA	EO	EK	S
RF Convertor	X	○	○	○	○	○	X
RF Channel Set	—	4CH.	4CH.	1CH.	34CH.	34CH.	—
AC OUTLET	○	X	X	X	X	X	X
Voltage Selector	X	X	○	X	X	X	X
Back up Time	7 days Mini	7 days Mini	7 days Mini	1HR Mini	1HR Mini	1HR Mini	1HR Mini
* Function SW	X	X	X	○	○	○	○
POWER SW	○	○	○	X	X	X	X
TV/VIDEO KEY & LED	X	○	○	○	X	X	X

○: equipped

X: not equipped

- * Operation when FUNCTION SW is "OFF".
 1) Connected TUNER to VTR1 (Audio only)
 2) All LED are turn the light out.

- 3) Other out puts
 Monitor out "OFF"
 Amp out "ON"
 Others "ON"

6-3. INPUT/OUTPUT AND INDICATION ACCORDING TO EACH KEY MODE

Key	Line Input	Line Output						Indicators									
		VTR1	VTR2	VTR3	Amp Out	Moni. Output	*1 Boos-ter	Input Indicators					Output Indicators				
								Tuner	V.Disc	VTR1	VTR2	VTR3	Moni.	VTR1	VTR2	VTR3	
TUNER	TUNER	○	○	○	○	○	○	○	—	—	—	—	○	○	○	○	
V.DISC	V.DISC	○	○	○	○	○	○	—	○	—	—	—	○	○	○	○	
VTR1	VTR1	—	○	○	○	○	○	—	—	○	—	—	○	—	○	○	
VTR2	VTR2	○	—	○	○	○	○	—	—	—	○	—	○	○	—	○	
VTR3	VTR3	○	○	○	—	○	○	—	—	—	—	○	○	○	○	—	
*2 FUNCITON "OFF"	TUNER (Audio only)	○ *3	○ *3	○ *3	○ *3	—	○ *3	—	—	—	—	—	—	—	—	—	

*1: Output when TV/VIDEO indicator LED is lighting. (not available for models J and S)

*2: Available for models EA, EO, EK, S only.

*3: Audio signal output only

VII. PC BOARD TITLE AND IDENTIFICATIONS

PC BOARD TITLE	PC BOARD NUMBER	REMARKS
MAIN PC BOARD	6A00053 MAIN	
CONTROL PC BOARD	6A00053 CONTROL	
VTR.3 PC BOARD	6A00053 VTR3	
FILTER PC BOARD	6A00053 FILTER	EXCEPT <input type="checkbox"/> MODEL

SECTION 2

PARTS LIST

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8. ACCESSORY BLOCK15
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Resistor and Capacitor which is not listed in this parts list, please refer to
COMMON LIST FOR SERVICE PARTS.

ATTENTION

1. When placing an order for parts, be sure to list the parts no., model no., and description of each part. If any of this information is omitted, there are instances in which parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
3. Because part numbers and part definitions and supply in the Preliminary Parts List may have been the subject of changes, please use this parts list for all future reference.

HOW TO USE THIS PARTS LIST

1. This Parts List shows those parts which are considered necessary for repairs. Other parts, such as resistors and capacitors, are shown in the "Common List for Service Parts" from which these parts should be selected and parts.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the parts list
 - a) Mechanism Block
 - b) P.C Board Block

2. HEAD BASE BLOCK

REF. NO.	PART NO.	DESCRIPTION
2-1 ^x	BH-T2023A320A	HEAD BASE BLOCK GX-F66R
2-2	HP-H2206A010A	HEAD R/P PR4-8FU C
2-3	ZS-477876	PAN20×03STL CMT
2-4	ZS-536488	BID20×08STL CMT
2-5	ZG-402895	CS ANGLE ADJUST SPRING

SP (Service Parts) Classification

A small "x" indicates the inability to show that particular part in the Photo or Illustration.

This number corresponds with the individual parts index number in that figure

This number corresponds with the Figure Number

6. SYS. CON. P C BOARD BLOCK

REF. NO.	PART NO.	DESCRIPTION
6-1	BA-T2034A070A	PC SYS CON BLK GX-F44R
6-IC1	EI-324536	IC HD14049BP
6-IC2	EI-336801	IC MB8841-564M
6-IC3	EI-331661	IC SN7405N
6-IC4	EI-336725	IC M54527P
6-TR1to4	ET-200985	TR 2SC2603 F,G
6-TR5to28	ET-554657	TR 2SA733A P,Q
6-D1	ED-318292	D SILICON H 1S2473T-77 T26
6-D2to4	ED-308952	D GERMA V 1K34A-LR F07
6-D5to10	ED-318292	D SILICON H 1S2473T-77 T26
6-X1	EI-318384	OSC X'TAL NC-18C 3.579545MHZ

SP (Service Parts) Classification

These reference symbols correspond with component symbols in the Schematic Diagrams.

5. The kind of part and its installation position can both be determined by the Part Number. To determine where a part number is listed, utilize the Parts Index at the end of the Parts List. It is necessary first of all to find the Part Number. This can be accomplished by using the Reference Number listed at the right of the part number in the Parts Index.

WARNING

△ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS

AVERTISSEMENT

△ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

RECOMMENDED SPARE PARTS

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

REF. NO.	PART NO.	DESCRIPTION
1 N	BT-714702	△ TRANS POWER (B,S) 6F10149A1
2 N	BT-714703	△ TRANS POER (E,V) 6F10150A1
3 N	BT-714686	△ TRANS POWER (J) 6F10133A1
4 N	BT-714063	△ TRANS POWER (U) 6F10131A1
5 N	BT-714062	△ TRANS POWER (C,A) 6F10132A1
6	BV-353847	RF CONVERTER W/SW MC2-VU3401[U,C,A]
7	BV-353841	RF CONVERTER SW MDLL5S150A [S]
8	BV-353839	RF CONVERTER/BOOSTOR MDLL6D023A [V]
9	BV-353840	RF CONVERTER/BOOSTOR MDLL61023A [B]
10	BV-353842	RF CONVERTER/BOOSTOR MDLL6S023A [E]
11	ED-322238	△ D SILICON 1B4B41 100/1.0A
12 N	ED-714048	D LED SLR-54MCSF GREEN
13 N	ED-714049	D LED SLR-54VCSF
14	ED-604541	D SILICON H 1S2076
15 N	ED-714176	D SILICON 1SS84
16	ED-331667	D ZENER H HZ7 A1
17	ED-351418	D ZENER H HZ7L B1
18	ED-318859	D ZENER H HZ9 C2
19 N	ED-714046	D ZENER HZ4.7BP
20	EF-593706	△ FUSE SEMKO T 500MA 250V [E,V,B,S]
21	EF-327103	△ FUSE TSC A 250V 0.50A [J]
22	EF-309390	△ FUSE TSC 125V 0.50A [U,C,A]
23 N	EI-714177	IC M50765-641SP
24	EI-348104	IC M50780SP
25 N	EI-714051	IC M50781SP
26 N	EI-714054	IC M5220P
27 N	EI-714052	IC TA7347P
28 N	EI-714053	IC TA7348P
29	EI-302233	IC TC4051BP
30	EI-332259	IC TC4052BP
31	EI-200573	IC TC4053BP
32	ER-328278	△ R FUSE ERD2FC 1/4W 10R0G
33 N	ES-714061	△ SW PUSH [E,V,B,S]
34 N	ES-714023	△ SW PUSH SDLC1P TYPE A [J,U,C,A]
35 N	ES-714057	SW SLIDE
36	ET-308472	TR 2SA1115 E,F,G
37 N	ET-714700	TR 2SA1300 GR
38	ET-713674	TR 2SB1034
39	ET-330464	TR 2SC2603 D,E
40	ET-706734	TR 2SC2724 C,D
41 N	ET-714168	TR 2SD1413
42	ET-713673	TR 2SD1438

"NOTE" N: New Parts

SYMBOL FOR DESTINATION

SS-V5U[A] : AAL (USA)
 SS-V5EK[B] : UK (England)
 SS-V5U[C] : CSA (Canada)
 SS-V5S[E] : CEE (Europe)
 SS-V5J[J] : JPN (Japan)
 SS-V5EA[S] : SAA (Australia)
 SS-V5UM[U] : U/T (Universal Area)
 SS-V5EO[V] : VDE (West Germany)

1. PC BOARD BLOCK

REF. NO.	PART NO.	DESCRIPTION
1-1A	BA-714699	PC MAIN BLK SS-V5
1-1B	BA-714841	PC MAIN BLK SS-V5(U)
1-1C	BA-714840	PC MAIN BLK SS-V5(C)
1-1D	BA-714839	PC MAIN BLK SS-V5(A)
1-1E	BA-714842	PC MAIN BLK SS-V5(E,V)
1-1F	BA-714843	PC MAIN BLK SS-V5(B)
1-1G	BA-714844	PC MAIN BLK SS-V5(S)

NOTE:

PC MAIN BLK consists of following PC BOARDS.

- MAIN PC BOARD
- CONTROL PC BOARD
- VTR3 PC BOARD
- FILTER PC BOARD

2. MAIN PC BOARD

REF. NO.	PART NO.	DESCRIPTION	
2-IC101	EI-714177	IC M50765-641SP	
2-IC102	EI-714051	IC M50781SP	
2-IC401	EI-714052	IC TA7347P	
2-IC402	EI-714053	IC TA7348P	
2-IC403,404	EI-714052	IC TA7347P	
2-IC601	to 606	EI-714054	IC M5220P
2-IC607,608	EI-302233	IC TC4051BP	
2-IC609	EI-200573	IC TC4053BP	
2-IC610	EI-714054	IC M5220P	
2-IC611	EI-332259	IC TC4052BP	
2-IC612,613	EI-200573	IC TC4053BP	
2-Q101	ET-330464	TR 2SC2603 D,E	
2-Q401	ET-706734	TR 2SC2724 C,D	
2-Q402	ET-308472	TR 2SA1115 E,F,G	
2-Q403	ET-706734	TR 2SC2724 C,D	
2-Q404,405	ET-308472	TR 2SA1115 E,F,G	
2-Q406	ET-330464	TR 2SC2603 D,E [E,V,B,S]	
2-Q407	ET-308472	TR 2SA1115 E,F,G	
2-Q408	ET-330464	TR 2SC2603 D,E	
2-Q409	ET-308472	TR 2SA1115E, F,G	
2-Q410	ET-330464	TR 2SC2603 D,E	
2-Q411	ET-308472	TR 2SA1115 E,F,G	
2-Q412	ET-330464	TR 2SC2603 D,E	
2-Q501	ET-714168	TR 2SD1413	
2-Q502	ET-330464	TR 2SC2603 D,E	
2-Q503	ET-714700	TR 2SA1300 GR [U,C,A,S]	
2-Q504	ET-330464	TR 2SC2603 D,E [U,C,A,S]	
2-Q505	ET-713673	TR 2SD1438	
2-Q506	ET-713674	TR 2SB1034	
2-D101	ED-714176	D SILICON 1SS84	
2-D104	ED-331667	D ZENER H HZ7 A1	
2-D401	ED-604541	D SILICON H 1S2076	
2-D501,502	ED-322238	△ D SILICON 1B4B41 100/1.0A	
2-D503	ED-351418	D ZENER H HZ7L B1	
2-D504,505	ED-318859	D ZENER HZ9 C2	
2-D506	ED-604541	D SILICON H 1S2076 [U,C,A,S]	
2-L501	EO-714055	COIL RF ELO 606RA-101K	
2-PJ601	EJ-712030	PIN J YKB11-0101 1P	
2-PJ602	EJ-714011	JACK PLATE YKC21-0136 WHITE	
2-PJ603	EJ-714010	JACK PLATE YKC21-0137 RED	
2-PJ604	EJ-714011	JACK PLATE YKC21-0136 WHITE	
2-PJ605	EJ-714010	JACK PLATE YKC21-0137 RED	
2-PJ606	EJ-714012	JACK PLATE YKC21-0138 YELLOW	
2-PJ607	EJ-714011	JACK PLATE YKC21-0136 WHITE	
2-PJ608	EJ-714010	JACK PLATE YKC21-0137 RED	

REF. NO.	PART NO.	DESCRIPTION
2-PJ609	EJ-714012	JACK PLAE YKC21-0138 YELLOW
2-PJ610	EJ-714011	JACK PLATE YKC21-0136 WHITE
2-PJ611	EJ-714010	JACK PLATE YKC21-0137 RED
2-PJ612	EJ-714012	JACK PLATE YKC21-0138 YELLOW
2-PJ613	EJ-714011	JACK PLATE YKC21-0136 WHITE
2-PJ614	EJ-714010	JACK PLATE YKC21-0137 RED
2-PJ615	EJ-714012	JACK PLATE YKC21-0138 YELLOW
2-R412	ER-328278	△ R FUSE ERD2FC 1/4W 10R0G
2-R417	ER-328278	△ R FUSE ERD2FC 1/4W 10R0G
2-R504	ER-311757	R MF H 1/4W 4701F
2-R505	ER-318317	R MF H F10 1/4W 8201F
2-C103	EC-714045	C FZOH 104Z
2-C421,422	EC-316187	C EC V CUT SM 102M 16DC
2-C424,425	EC-316187	C EC V CUT SM 102M 16DC
2-C504	EC-316188	C EC V CUT SM 102M 25DC
2-C511,512	EC-316187	C EC V CUT SM 102M 16DC
2-F501A	EF-327103	△ FUSE TSC A 250V 0.50A [J]
2-F501B	EF-309390	△ FUSE TSC 125V 0.50A [U,C,A]
2-F501C	EF-593706	△ FUSE SEMKO T 500MA 250V [E,V,B,S]

3. CONTROL PC BOARD

REF. NO.	PART NO.	DESCRIPTION	
3-IC701	EI-348104	IC M50730SP	
3-D701	to 704	ED-604541	D SILICON H 1S2076
3-D705	ED-604541	D SILICON H 1S2076 [E,V,B,S]	
3-D706	ED-714046	D ZENER HZ4.7BP	
3-D707,708	ED-714048	D LED SLR-54MCSF GREEN	
3-D709,710	ED-714049	D LED SLR-54VCSF	
3-D711	to 720	ED-714048	D LED SLR-54MCSF GREEN
3-D721	to 730	ED-714049	D LED SLR-54VCSF
3-D731	ED-714048	D LED SLR-54MCSF GREEN [U,C,A,S]	
3-D732,733	ED-604541	D SILICON H 1S2076	
3-SW701	ES-714057	SW SLIDE	
3-SW702	ES-714059	SW TACT B3F-1000	
3-SW703	ES-714059	SW TACT B3F-1000 [U,C,A,S]	
3-SW704	to 710	ES-714059	SW TACT B3F-1000

4. VTR 3 PC BOARD

REF. NO.	PART NO.	DESCRIPTION
4-IC801	EI-714054	IC M5220P
2-PJ801	EJ-712030	PIN J YKB11-0101 1P
4-PJ802	EJ-714017	PIN JACK YKB11-0100 WHITE
4-PJ803	EJ-714016	PIN JACK YKB11-0099 RED
4-PJ804	EJ-712030	PIN J YKB 11-0101 1P
4-PJ805	EJ-714017	PIN JACK YKB11-0100 WHITE
4-PJ806	EJ-714016	PIN JACK YKB11-0099 RED
4-C806	EC-316187	C EC V CUT SM 102M 16DC

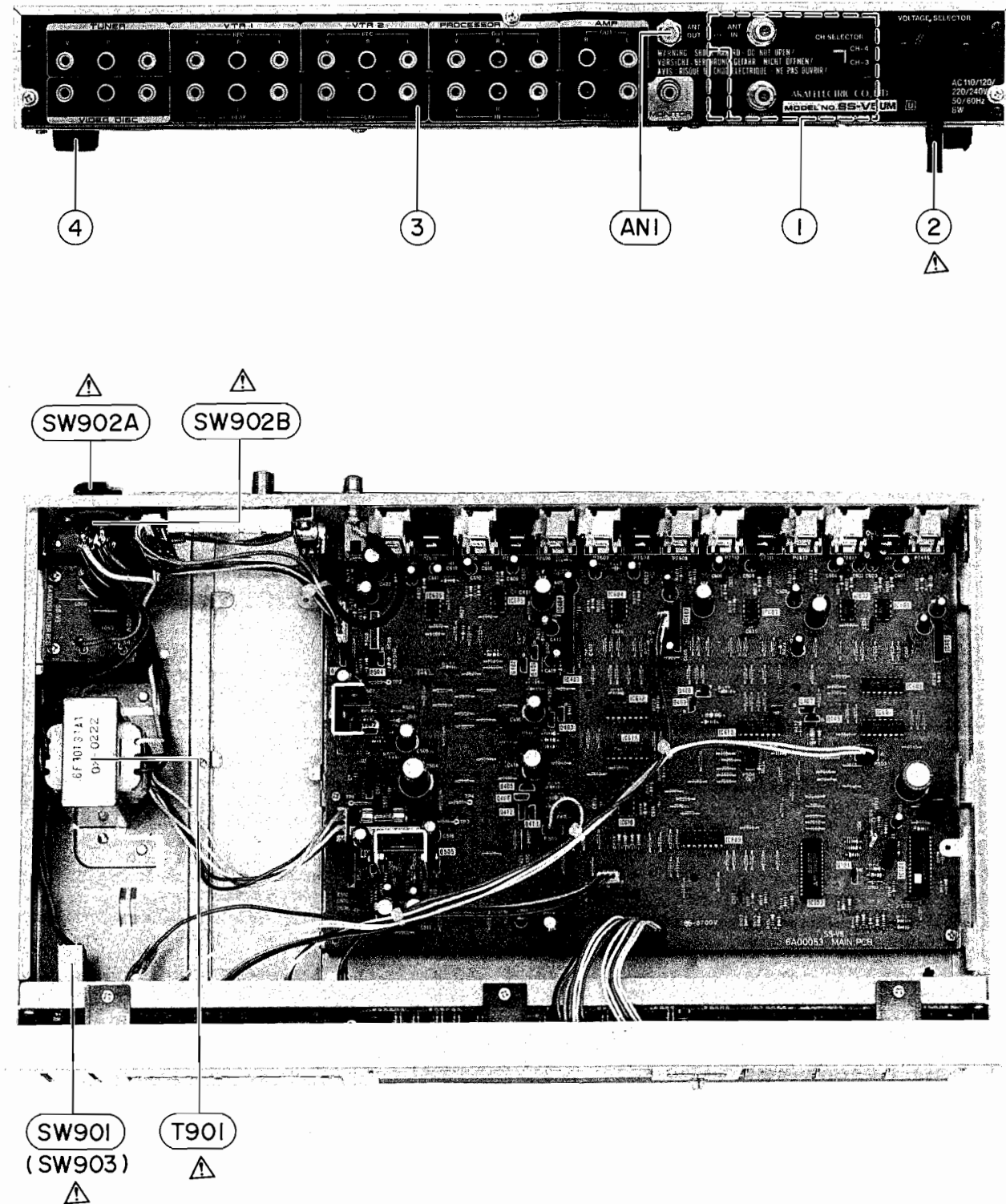
5. FILTER PC BOARD

REF. NO.	PART NO.	DESCRIPTION
5-C901U	EC-331410	△ C MMY V ECQUF 473M 250AC [U,E,V,B,S]
5-C901A	EC-714179	△ C PP 473M 125VAC [J,C,A]
5-R901	ER-712583	△ R SD 1/2W 275K [C,A]

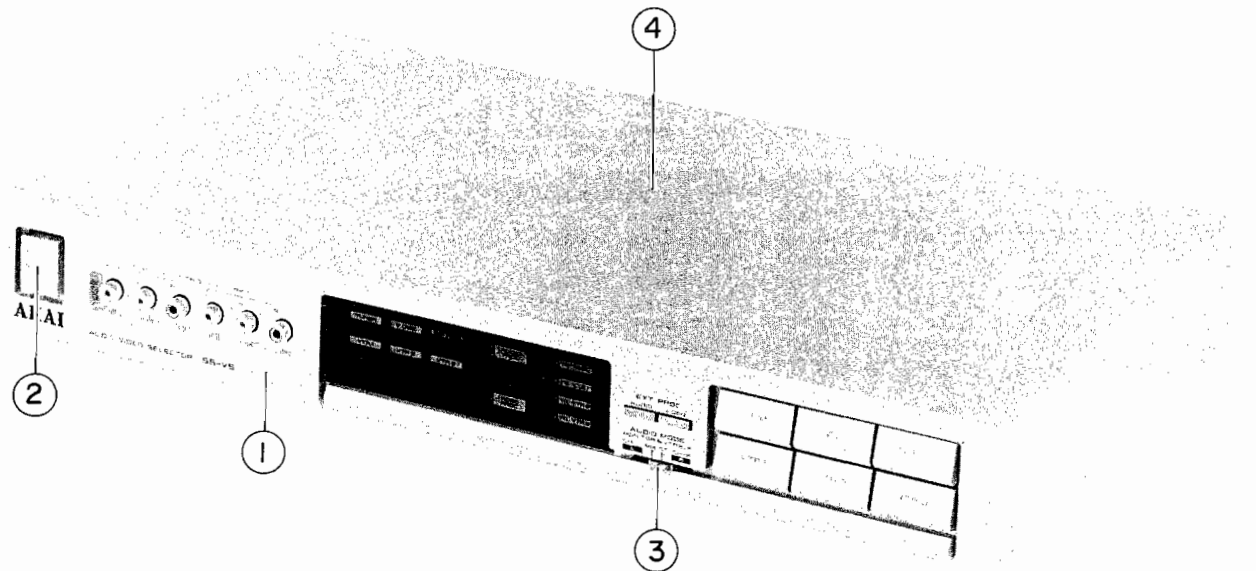
6. ASSEMBLY BLOCK

REF. NO.	PART NO.	DESCRIPTION
6-T901J	BT-714686	△ TRANS POWER (J) 6F10133A1 [J]
6-T901A	BT-714062	△ TRANS PWOER (C,A) 6F10132A1 [C,A]
6-T901U	BT-714063	△ TRANS POWER(U) 6F10131A1 [U]
6-T901S	BT-714702	△ TRANS POWER (B,S) 6F10149A1 [S,B]
6-T901E	BT-714703	△ TRANS POWER (E,V) 6F10150A1 [E,V]
6-SW901	ES-714023	△ SW PUSH SDLCIP TYPE A [J,U,C,A]
6-SW902A	EJ-714026	△ PLUG VOLTAGE SELECTOR S-17207 [U]
6-SW902B	EJ-714024	△ SOCKET VOLTAGE SELECTOR S-1726U 09 [U]
6-SW903	ES-714061	SW PUSH [E,V,B,S]
6-J901x	EJ-349174	△ SOCKET OUTLET S2T-732T-122 [J]
6-AN1A	EJ-712022	CONNECTOR A YKV11-0096 [E,V,B,S]
6-AN1B	EJ-712024	CONNECTOR F YKV11-0002 [U,C,A]
6-1U	BV-353847	RF CONVERTER W/SW MC2-VU3401 [U,C,A]
6-1E	BV-353842	RF CONVERTER/BOOSTOR MDLL6S023A
6-1V	BV-353839	RF CONVERTER/BOOSTOR MDLL6D023A
6-1B	BV-353840	RF CONVERTER/BOOSTOR MDLL6I023A
6-1S	BV-353841	RF CONVERTER SW MDLL5S150A
6-2J	EW-714683	△ AC CORD 2 CORES J [J]
6-2U	EW-714682	△ AC CORD 2 CORES C, A [U,C,A]
6-2E	EW-714681	△ AC CORD 2 CORES E,V [E,V]
6-2B	EW-714684	△ AC CORD 2 CORES B [B]
6-2S	EW-714685	△ AC CORD 2 CORES S [S]
6-3J	SP-714689	PANEL REAR SS-V5 (J) [J]
6-3C	SP-714691	PANEL REAR SS-V5 (C,A) [C,A]
6-3U	SP-714692	PANEL REAR SS-V5 (U) [U]
6-3B	SP-714694	PANEL REAR SS-V5 (B,S) [B,S]
6-3E	SP-714693	PANEL REAR SS-V5 (E,V) [E,V]
6-4	SA-714009	FOOT

ASSEMBLY BLOCK



FINAL ASSEMBLY BLOCK



7. FINAL ASSEMBLY BLOCK

REF. NO.	PART NO.	DESCRIPTION
7-1J	BD-714695	PANEL FRONT BLK SS-V5J [J,E,V,B]
7-1U	BD-714697	PANEL FRONT BLK SS-V5U [U,C,A,S]
7-1JB	BD-714696	PANEL FRONT BLK SS-V5J-B [J,E,V,B] [BLACK]
7-1UB	BD-714698	PANEL FRONT BLK SS-V5U-B [U,C,A,S] [BLACK]
7-2	SK-B345231D	KNOB POWER (1) PART
7-2B	SK-B345231E	KNOB POWER (2)-B PART [BLACK]
7-3	SK-714687	KNOB SL
7-3B	SK-714688	KNOB SL-B [BLACK]
7-4	SP-714041	COVER UPPER
7-4B	SP-714042	COVER UPPER-B [BLACK]

SYMBOL FOR COLOR VARIATION

NON : STANDARD COLOR
B or BL : BLACK

8. ACCESSORY BLOCK (EXCEPT J)

REF. NO.	PART NO.	DESCRIPTION
8-1	AX-350757	CORD RR-AV100 PIN-PIN
8-2	EW-344151	CORD RR-61A PINX2-PINX2
8-3	AV-349714	CORD S-L4700 #015 VY-21

INDEX

PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.
AV-349714	8-3	EI-200573	2-IC613	ET-713674	2-Q506				
AX-350757	8-1	EI-200573	2-IC612	ET-714168	2-Q501				
BA-714699	1-1A	EI-302233	2-IC607	ET-714700	2-Q503				
BA-714839	1-1D	EI-302233	2-IC608	EW-344151	8-2				
BA-714840	1-1C	EI-332259	2-IC611	EW-714681	6-2E				
BA-714841	1-1B	EI-348104	3-IC701	EW-714682	6-2U				
BA-714842	1-1E	EI-714051	2-IC102	EW-714683	6-2J				
BA-714843	1-1F	EI-714052	2-IC401	EW-714684	6-2B				
BA-714844	1-1G	EI-714052	2-IC404	EW-714685	6-2S				
BD-714695	7-1J	EI-714052	2-IC403	SA-714009	6-4				
BD-714696	7-1JB	EI-714053	2-IC402	SK-B345231D	7-2				
BD-714697	7-1U	EI-714054	2-IC605	SK-B345231E	7-2B				
BD-714698	7-1UB	EI-714054	2-IC606	SK-714687	7-3				
BT-714062	6-T901A	EI-714054	2-IC602	SK-714688	7-3B				
BT-714063	6-T901U	EI-714054	2-IC601	SP-714041	7-4				
BT-714686	6-T901J	EI-714054	2-IC610	SP-714042	7-4B				
BT-714702	6-T901S	EI-714054	2-IC604	SP-714689	6-3J				
BT-714703	6-T901E	EI-714054	2-IC603	SP-714691	6-3C				
BV-353839	6-1V	EI-714054	4-IC801	SP-714692	6-3U				
BV-353840	6-1B	EI-714177	2-IC101	SP-714693	6-3E				
BV-353841	6-1S	EJ-349174	6-J901x	SP-714694	6-3B				
BV-353842	6-1E	EJ-712022	6-AN1A						
BV-353847	6-1U	EJ-712024	6-AN1B						
EC-316187	2-C512	EJ-712030	2-PJ601						
EC-316187	2-C425	EJ-712030	4-PJ804						
EC-316187	2-C424	EJ-712030	4-PJ801						
EC-316187	2-C421	EJ-714010	2-PJ605						
EC-316187	2-C422	EJ-714010	2-PJ608						
EC-316187	2-C511	EJ-714010	2-PJ614						
EC-316187	4-C806	EJ-714010	2-PJ603						
EC-316188	2-C504	EJ-714010	2-PJ611						
EC-331410	5-C901U	EJ-714011	2-PJ613						
EC-714045	2-C103	EJ-714011	2-PJ604						
EC-714179	5-C901A	EJ-714011	2-PJ610						
ED-318859	2-D505	EJ-714011	2-PJ607						
ED-318859	2-D504	EJ-714011	2-PJ602						
ED-322238	2-D502	EJ-714012	2-PJ606						
ED-322238	2-D501	EJ-714012	2-PJ615						
ED-331667	2-D104	EJ-714012	2-PJ609						
ED-351418	2-D503	EJ-714012	2-PJ612						
ED-604541	2-D506	EJ-714016	4-PJ803						
ED-604541	2-D401	EJ-714016	4-PJ806						
ED-604541	3-D732	EJ-714017	4-PJ802						
ED-604541	3-D733	EJ-714017	4-PJ805						
ED-604541	3-D702	EJ-714024	6-SW902B						
ED-604541	3-D704	EJ-714026	6-SW902A						
ED-604541	3-D705	EO-714055	2-L501						
ED-604541	3-D701	ER-311757	2-R504						
ED-604541	3-D703	ER-318317	2-R505						
ED-714046	3-D706	ER-328278	2-R412						
ED-714048	3-D716	ER-328278	2-R417						
ED-714048	3-D707	ER-712583	5-R901						
ED-714048	3-D713	ES-714023	6-SW901						
ED-714048	3-D708	ES-714057	3-SW701						
ED-714048	3-D711	ES-714059	3-SW706						
ED-714048	3-D712	ES-714059	3-SW702						
ED-714048	3-D714	ES-714059	3-SW707						
ED-714048	3-D715	ES-714059	3-SW708						
ED-714048	3-D717	ES-714059	3-SW710						
ED-714048	3-D731	ES-714059	3-SW709						
ED-714048	3-D718	ES-714059	3-SW705						
ED-714048	3-D720	ES-714059	3-SW704						
ED-714048	3-D719	ES-714059	3-SW703						
ED-714049	3-D729	ES-714061	6-SW903						
ED-714049	3-D709	ET-308472	2-Q411						
ED-714049	3-D730	ET-308472	2-Q402						
ED-714049	3-D710	ET-308472	2-Q404						
ED-714049	3-D728	ET-308472	2-Q405						
ED-714049	3-D721	ET-308472	2-Q407						
ED-714049	3-D727	ET-308472	2-Q409						
ED-714049	3-D722	ET-330464	2-Q504						
ED-714049	3-D724	ET-330464	2-Q502						
ED-714049	3-D723	ET-330464	2-Q101						
ED-714049	3-D725	ET-330464	2-Q408						
ED-714049	3-D726	ET-330464	2-Q410						
ED-714176	2-D101	ET-330464	2-Q412						
EF-309390	2-F501B	ET-330464	2-Q406						
EF-327103	2-F501A	ET-706734	2-Q401						
EF-593706	2-F501C	ET-706734	2-Q403						
EI-200573	2-IC609	ET-713673	2-Q505						

AKAI

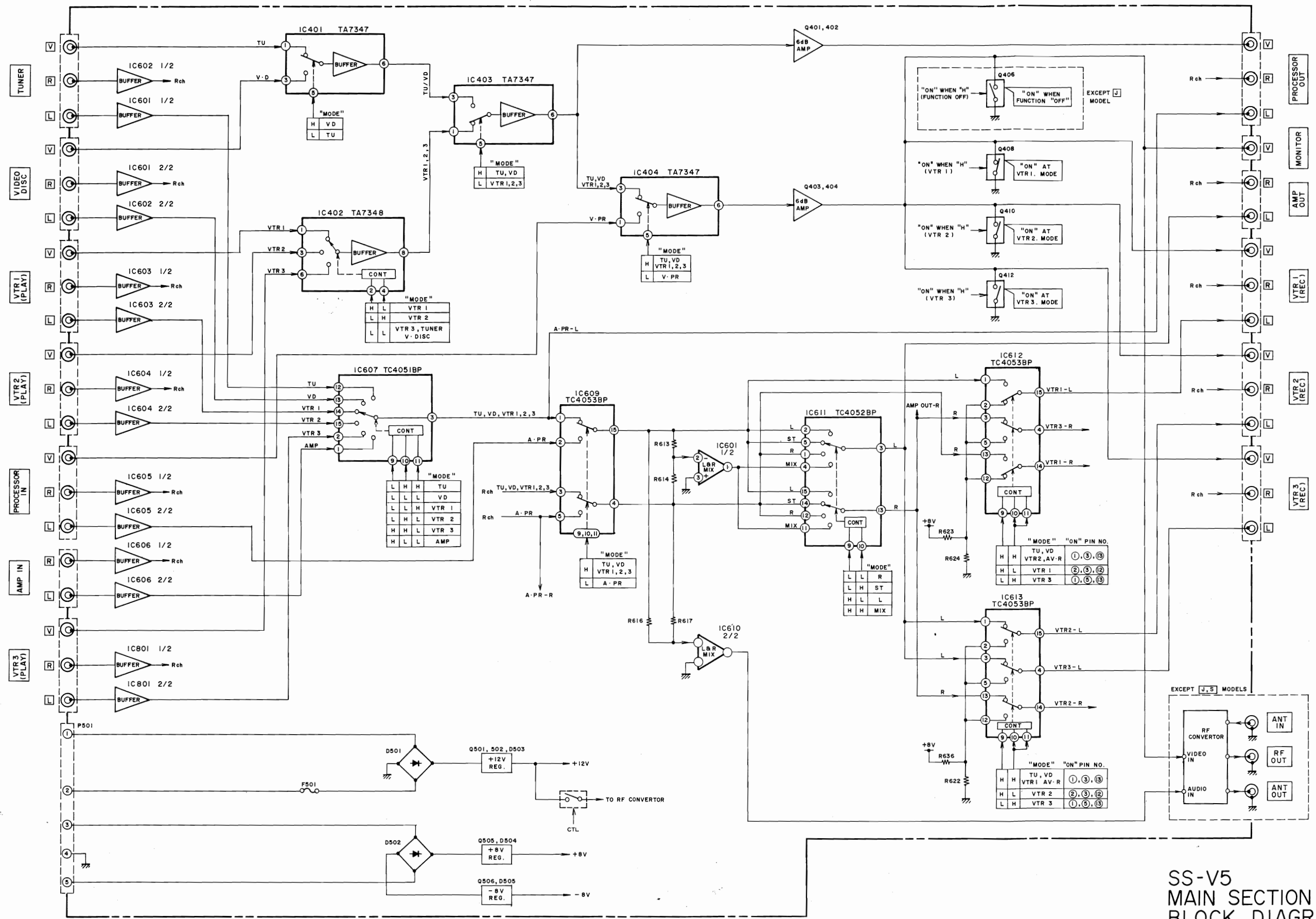
MODEL **SS-V5** ^{J/U/UM}
_{EA/EK/EO/S}

SCHEMATIC DIAGRAM AND PC BOARD

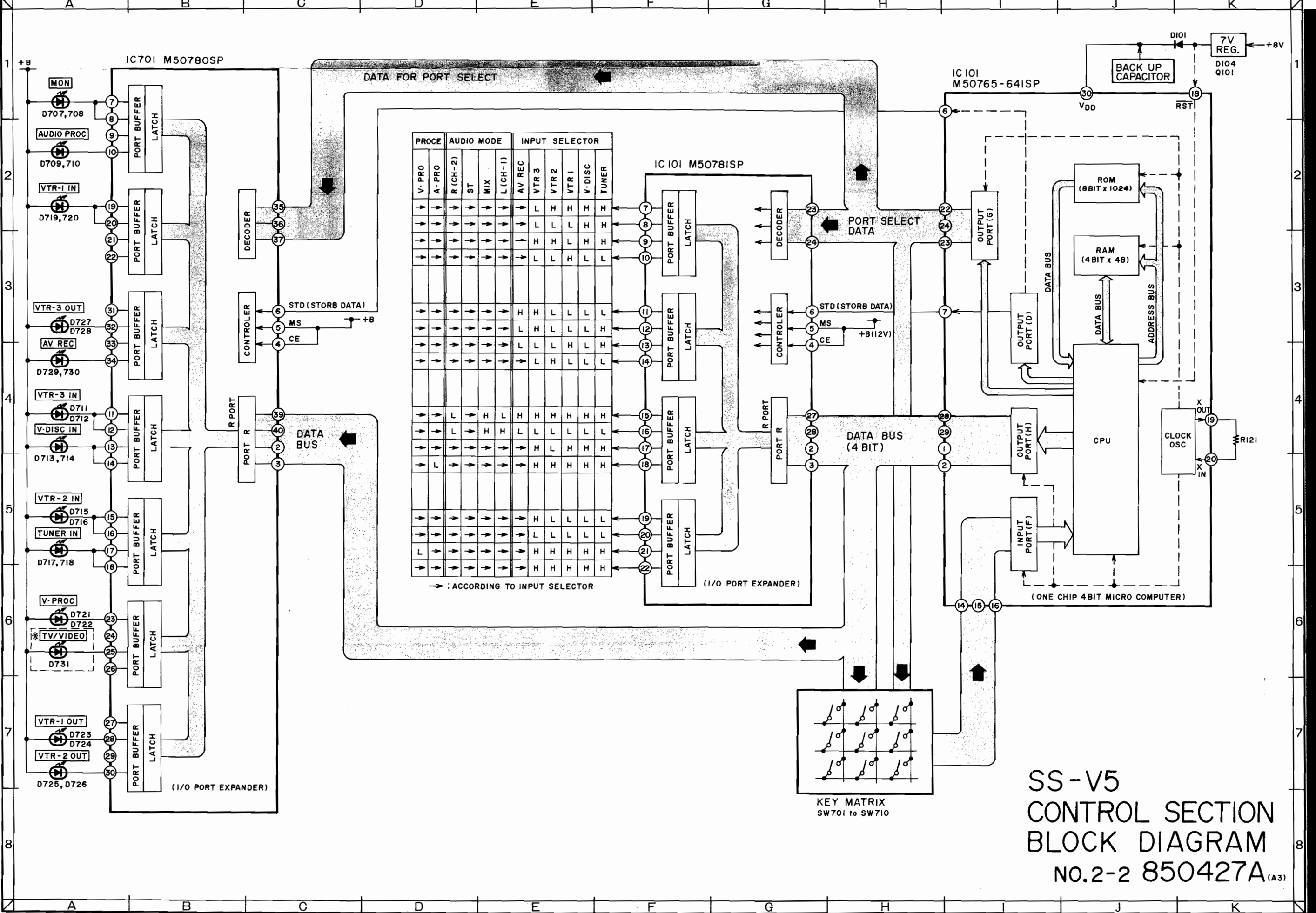
TABLE OF CONTENTS

1. SS-V5 MAIN SECTION BLOCK DIAGRAM	2
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3. SS-V5 SCHEMATIC DIAGRAM	4
4. MAIN PCB	5
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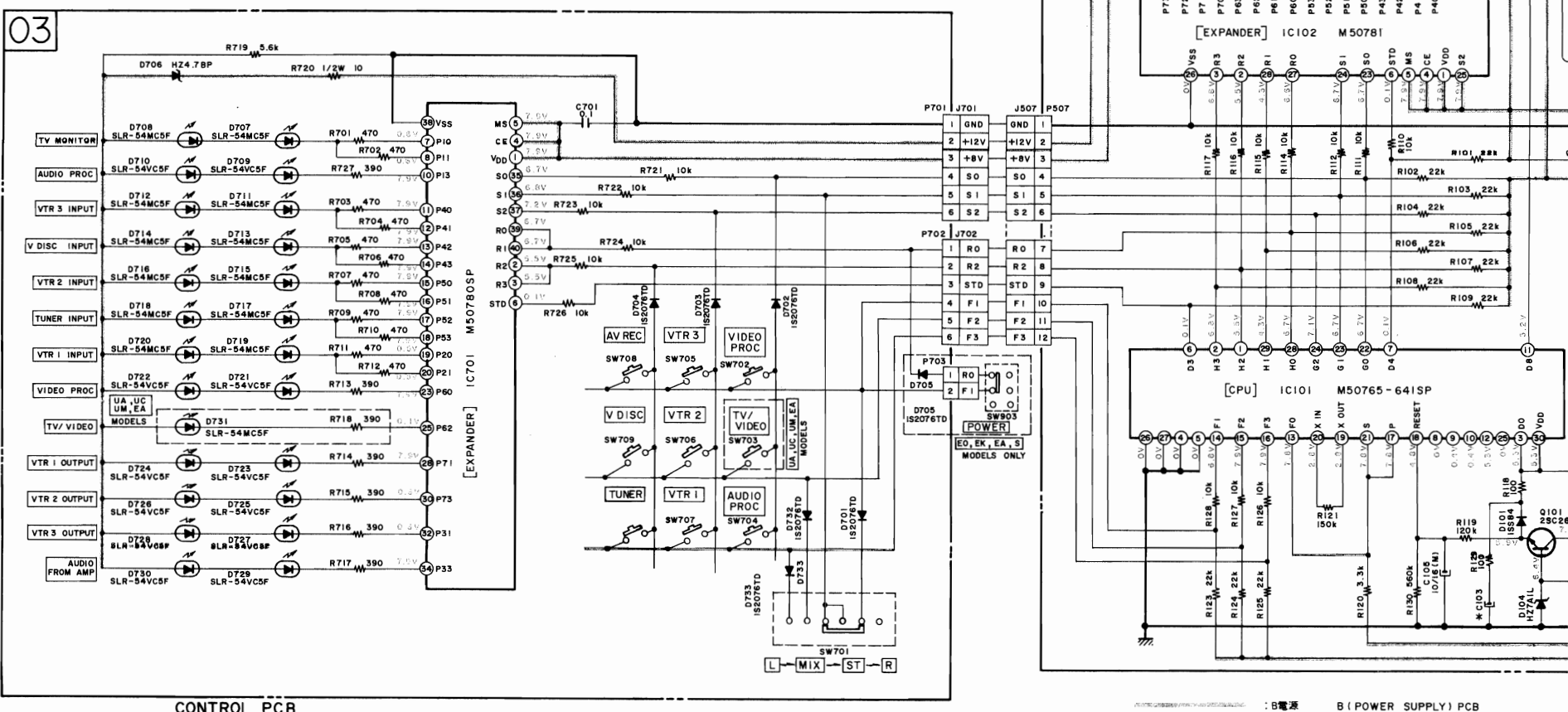
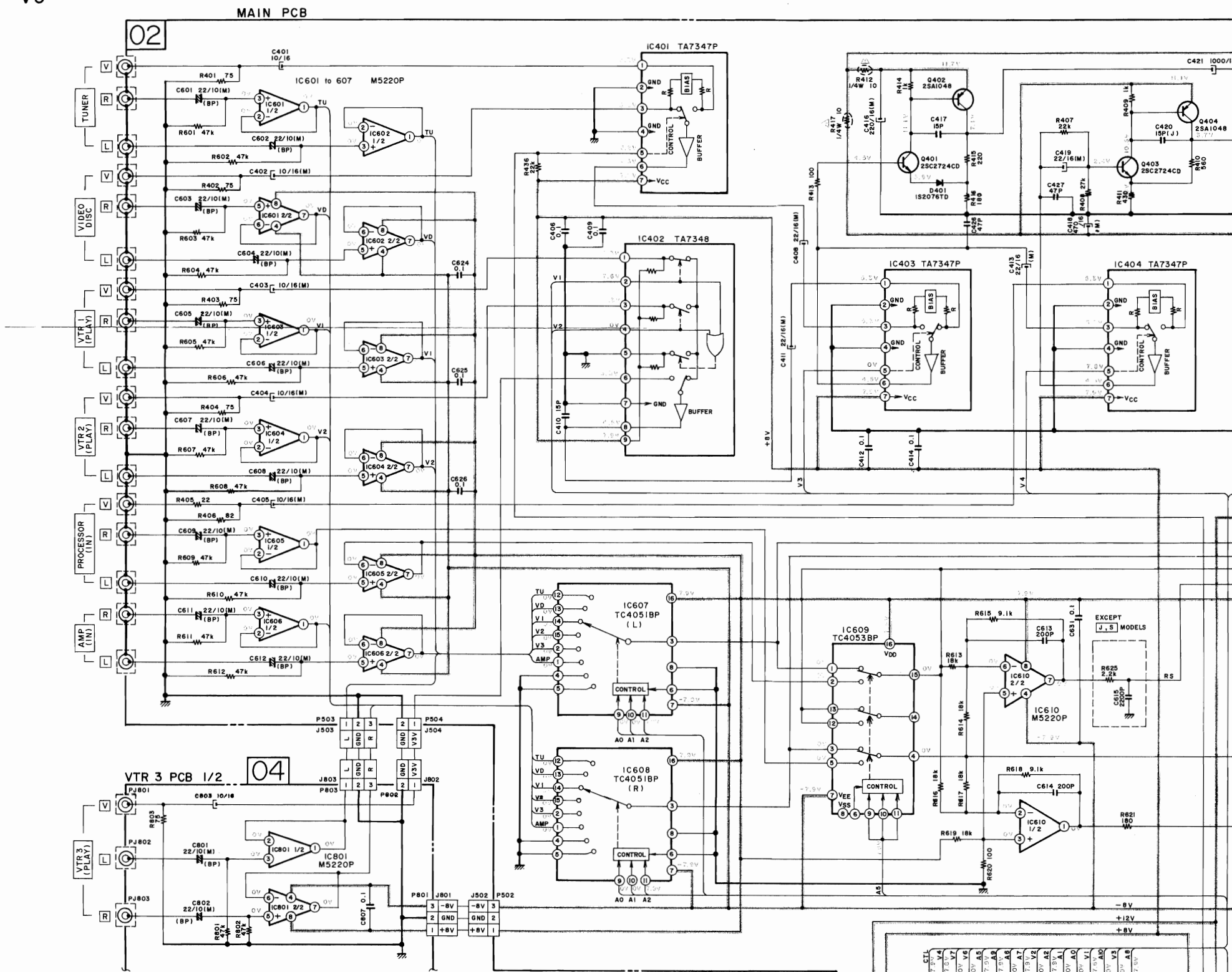
SS-V5



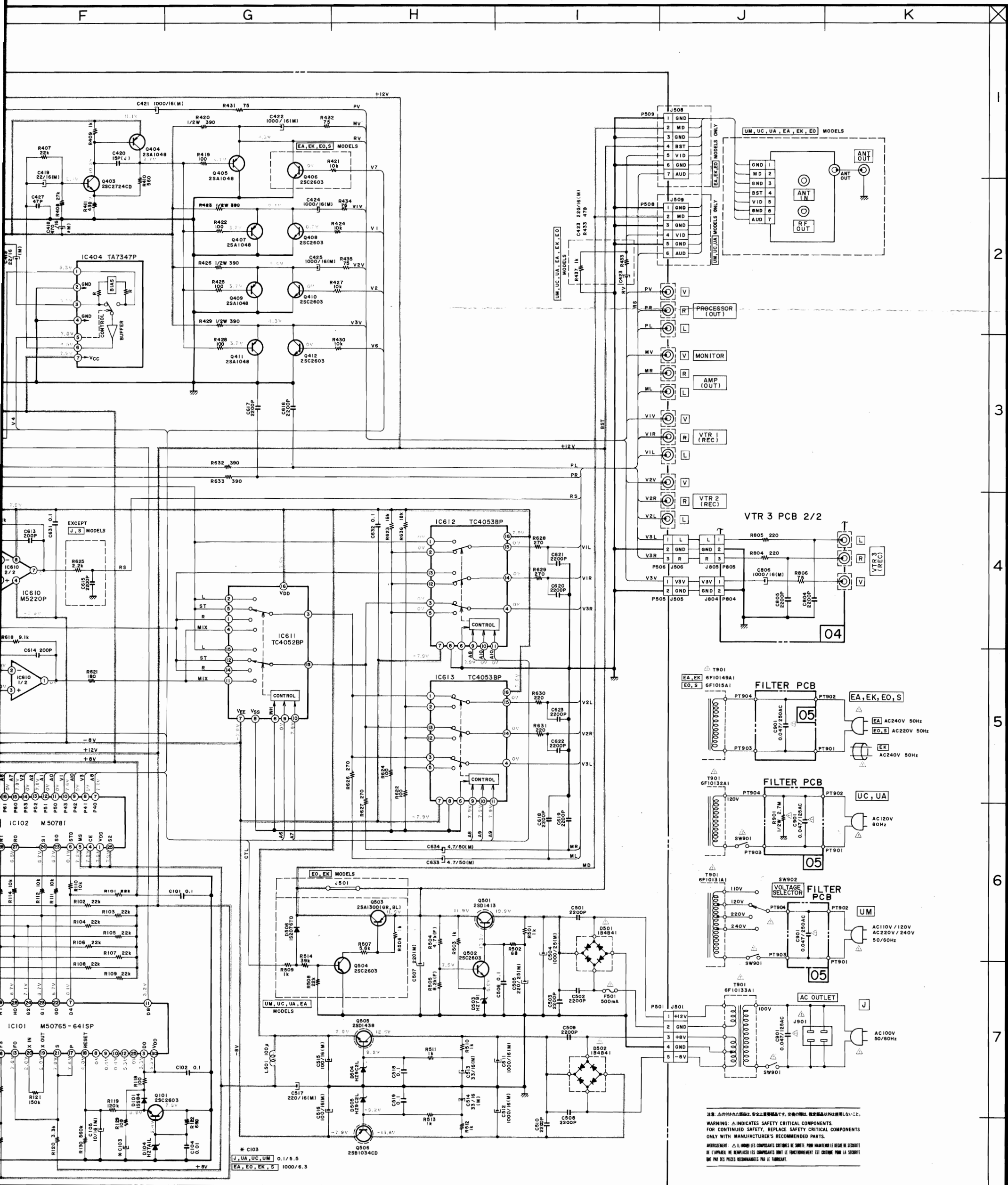
SS-V5
MAIN SECTION
BLOCK DIAGRAM
No.2-1 850426A



SS-V5
CONTROL SECTION
BLOCK DIAGRAM
NO.2-2 850427A (A3)



⊖ B電源 B (POWER SUPPLY) PCB
 ○ AUDIO SIGNAL LINE
 □ VIDEO SIGNAL LINE
 * INDICATED SIGNAL LINES & VOLTAGES VTRI MODE.



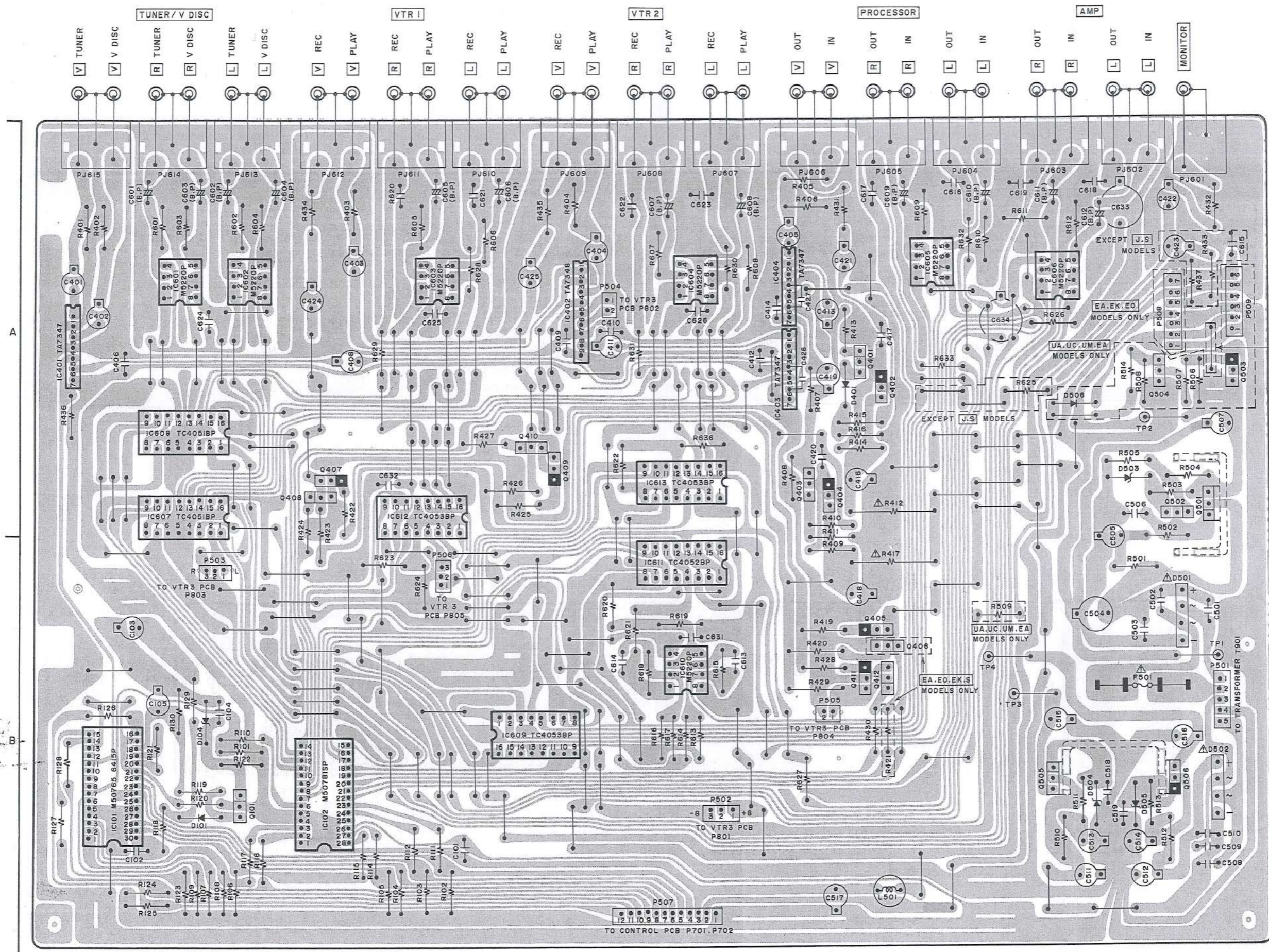
SS-V5 SCHEMATIC DIAGRAM No. 850428A

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μ F 50WV (K)
POWER TRANSFORMER IS DIFFERENT
ACCORDING TO AREA

備考
C, R の単位 (特に指定された部品以外)
抵抗 …………… Ω 1/4W (J), (FS) 記号は不燃性部品
コンデンサ …………… μ F 50WV (K)
各電圧は、GND間のDC電圧をデジタルマルチメーターにて
測定した値です。

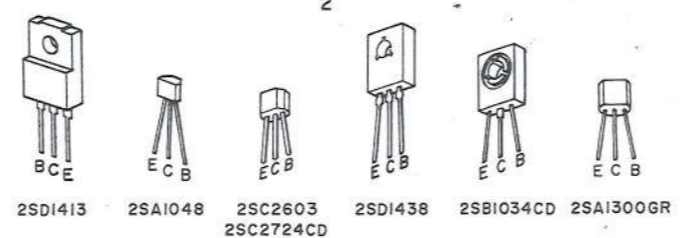
注意: Δ の付いた部品は、安全上重要な部品です。交換の際は、指定部品以外は使用しないでください。
WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
IMPORTANCE: Δ IL NUMEROUS LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE NIVEAU DE SECURITE DE L'APPAREIL, NE REMPLACER LES COMPOSANTS CRITIQUES QUE PAR LES PIECES RECOMMANDEES PAR LE FABRICANT.

B電源 B (POWER SUPPLY) PCB
AUDIO SIGNAL LINE
VIDEO SIGNAL LINE
RESISTANCES & VOLTAGES VTRI MODE.



MAIN PCB

注意: △の付された部品は、安全上重要部品です。交換の際は、指定部品以外は使用しないこと。
 WARNING: △ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 注意: △の印のある部品は、安全上重要部品です。交換の際は、指定部品以外は使用しないこと。
 ATTENTION: △ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.



= PNP TRANSISTOR
 = NPN TRANSISTOR

- Q101, 406, 408, 410, 412, 502, 504... 2SC2603
- Q401, 403... 2SC2724CD
- Q402, 404, 405, 407, 409, 411... 2SA1048
- Q501... 2SD1413
- Q503... 2SA1300GR
- Q505... 2SD1438
- Q506... 2SB1034CD

P508, P509 TO RF CONVERTOR

EA, EK, EO MODELS ONLY

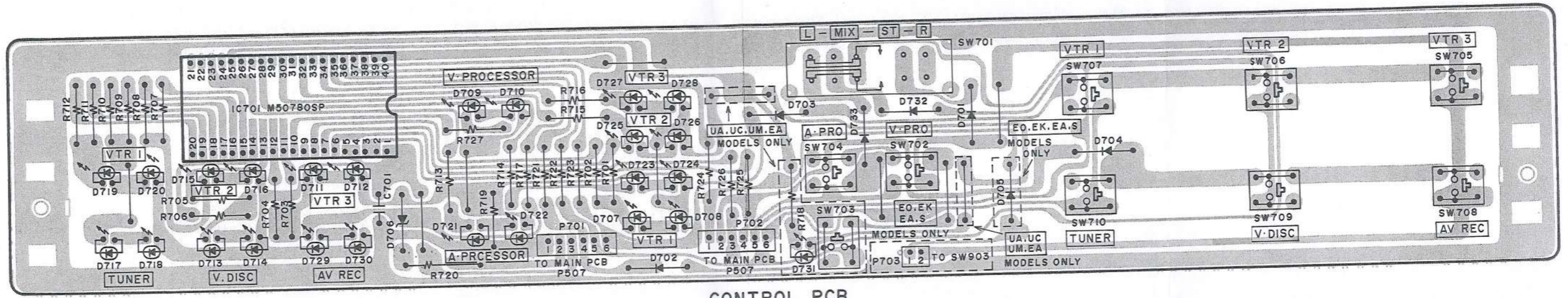
LOCATION OF COMPONENTS

- ICs
- IC101.....B1
- IC102.....B1
- IC401.....A1
- IC402.....A2
- IC403.....A2
- IC404.....A2
- IC601.....A1
- IC602.....A1
- IC603.....A1, A2
- IC604.....A2
- IC605.....A3
- IC606.....A3
- IC607.....A1
- IC608.....A1
- IC609.....B2
- IC610.....B2
- IC611.....B2
- IC612.....A1, A2
- IC613.....A2

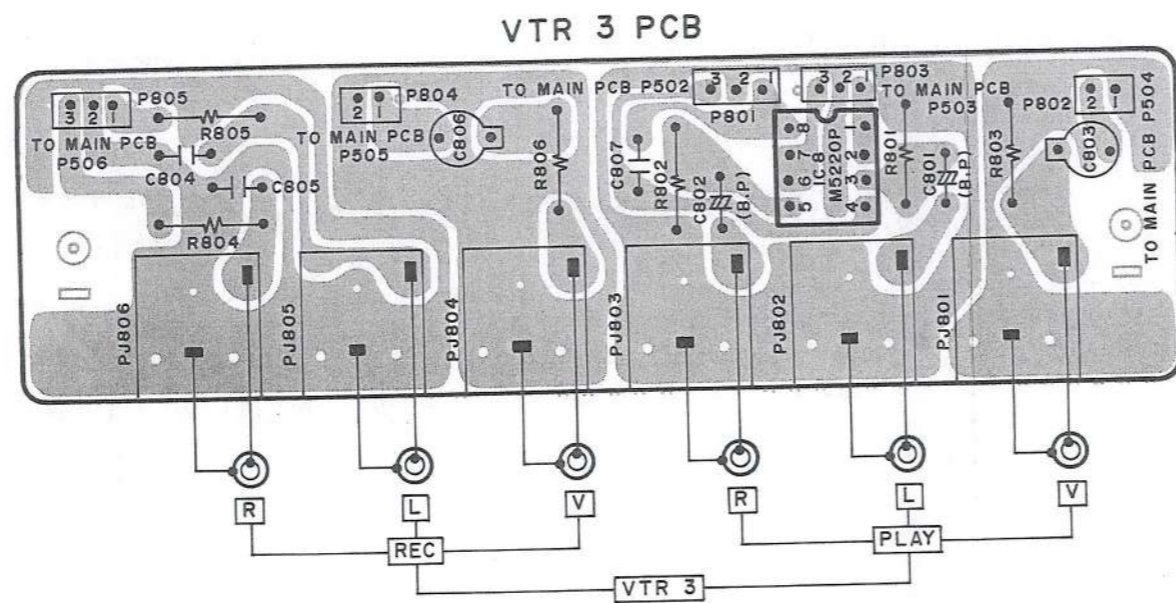
- TRs
- Q101.....B1
- Q401.....A3
- Q402.....A3
- Q403.....A2
- Q404.....A2
- Q405.....B3
- Q406.....B3
- Q407.....A1
- Q408.....A1
- Q409.....A2
- Q410.....A2
- Q411.....B3
- Q412.....B3
- Q501.....A3
- Q502.....A3
- Q503.....A3
- Q504.....A3
- Q505.....B3
- Q506.....B3

CONNECTORS

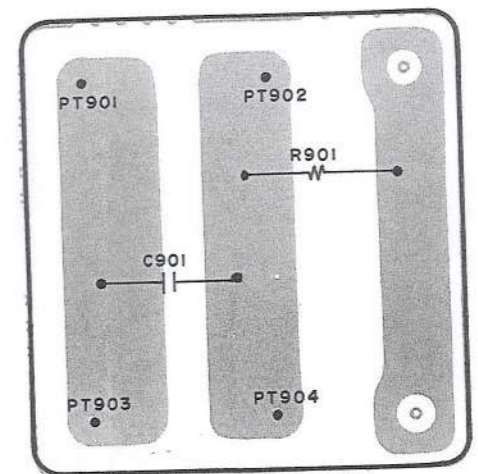
- P501.....B3
- P502.....B2
- P503.....B1
- P504.....A2
- P505.....B2
- P506.....B1, 2
- P507.....B2
- P508.....A3
- P509.....A3



CONTROL PCB



VTR 3 PCB



FILTER PCB

SS-V5
JU/UM
EA/EK/EO/S



AKAI ELECTRIC CO., LTD.

12-14, 2-Chome, Higashi-Kojiya, Ohta-Ku, Tokyo, Japan
TEL: Tokyo (742) 5111 CABLE HIFIAKAI TOKYO TELEX. J26261
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