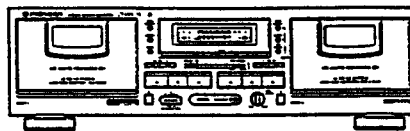


# Service Manual



ORDER NO.  
RRV1082

STEREO DOUBLE CASSETTE DECK

# CT-W503R

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	The voltage can be converted by the following method.
	CT-W503R		
KUXJ	○	AC120V	—
HEMXJ	○	AC220 - 230V	AC230V - 240V, *
HBXJ	○	AC230 - 240V	AC220 - 230V, *
HPW	○	AC230V - 240V	AC220 - 230V, *
SD	○	AC110V/120 - 127V/220V/240V	With the voltage selector

\* : Alter the wiring of the Power-supply block at the primary winding of power transformer referring to the "Line Voltage Selection" described in Service Manual.

## CONTENTS

1. SAFETY INFORMATION .....	2
2. PACKING AND PARTS LIST .....	3
3. EXPLODED VIEWS AND PARTS LIST .....	4
4. TEST MODE .....	10
5. ADJUSTMENTS .....	11
6. BLOCK DIAGRAM .....	14
7. PCB CONNECTION DIAGRAM .....	15
8. SCHEMATIC DIAGRAM .....	23
9. PCB PARTS LIST .....	26
10. IC INFORMATION .....	30
11. FL INFORMATION .....	32
12. PANEL FACILITIES .....	33
13. SPECIFICATIONS .....	34

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### 3. EXPLODED VIEWS AND PARTS LIST

**NOTES:**

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

**1. EXTERIOR**

**● CONTRAST OF KUXJ, HEMXJ, HBXJ, HPW AND SD TYPES**

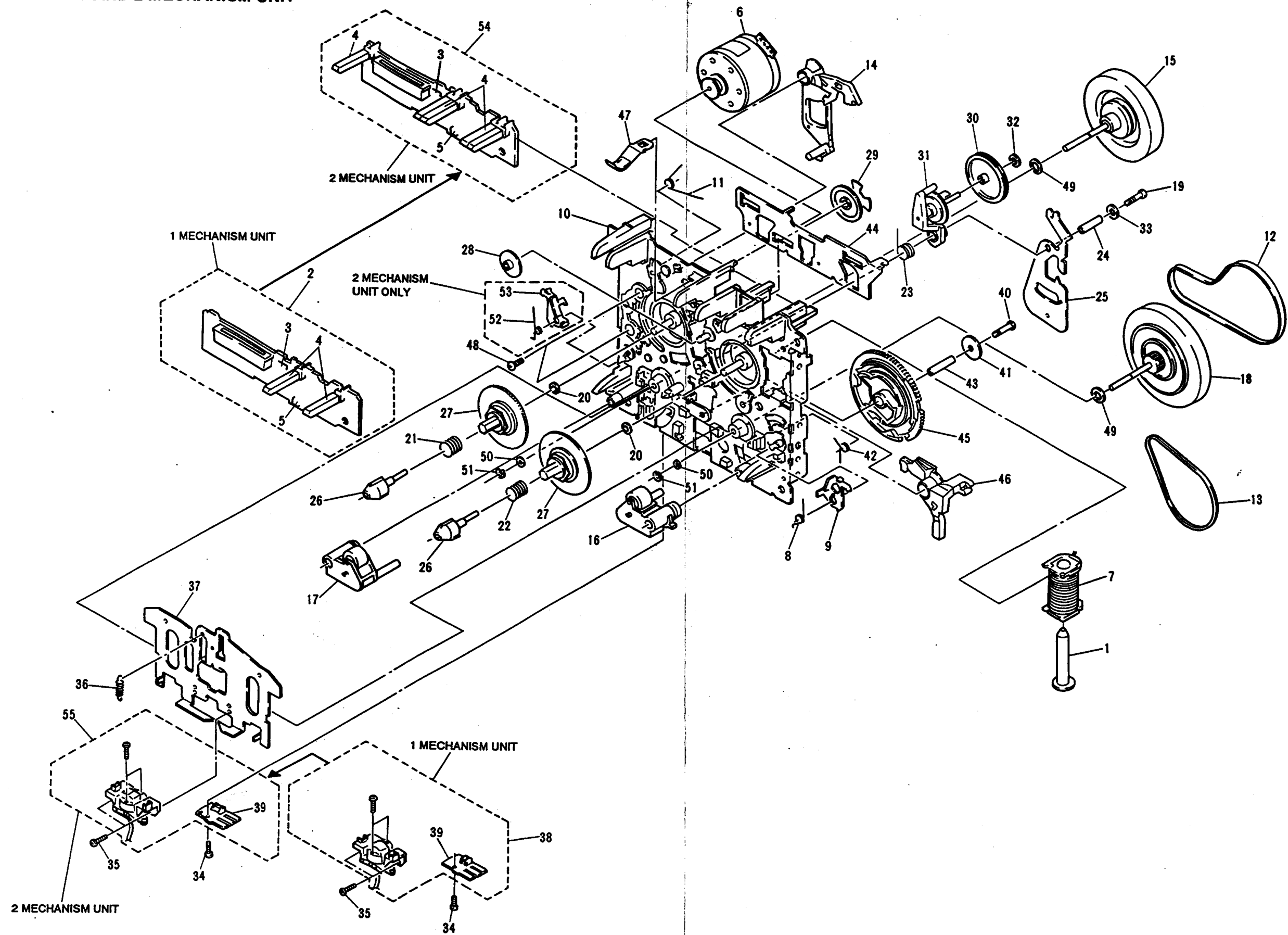
KUXJ, HEMXJ, HBXJ, HPW and SD types have the same construction except for the following:

Mark	No.	Symbol & Description	Part No.					Remarks
			KUXJ type	HEMXJ type	HBXJ type	HPW type	SD type	
NSP	1	Main Unit	RWZ3192	RWZ3182	RWZ3182	RWZ3182	RWZ3182	
	2	Sub Unit	RWZ3193	RWZ3183	RWZ3183	RWZ3183	RWZ3183	
	3	Transformer 1 Unit	Not Used	Not Used	Not Used	Not Used	RWZ3184	
	4	Transformer 2 Unit	RNZ2802	RNZ2597	RNZ2597	RNZ2875	RNZ2875	
$\Delta$	5	Strain Relief	CM - 22C	CM - 22B	CM - 22B	CM - 22B	CM - 22B	
	6	Fuse (FU1001, FU1002 1.5A)	REK1059	Not Used	Not Used	Not Used	Not Used	
	7	Fuse (FU1001, FU1002 T1.6A)	Not Used	REK1024	REK1024	REK1024	REK1024	
	8	AC Power Cord	PDG1015	PDG1003	PDG1055	RDG1022	PDG1013	
$\Delta$	9	Power Transformer (AC120V)	RTT1223	Not Used	Not Used	Not Used	Not Used	
	9	Power Transformer (AC220 - 230/230 - 240V)	Not Used	RTT1276	RTT1276	RTT1276	Not Used	
	9	Power transformer (AC110/120 - 127/220/240V)	Not Used	Not Used	Not Used	Not Used	RTT1272	
	12	Rubber Sheet	AEB1111	Not Used	Not Used	AEB1111	AEB1111	
NSP	14	Foot Assy	AEC1531	Not Used	Not Used	AEC1531	AEC1531	
	21	Main Chassis	RNB1091	RNB1091	RNB1091	RNB1099	RNB1099	
	31	FL Lens	RAH2374	RAH2375	RAH2375	RAH2374	RAH2374	
NSP	32	Front Panel	RAH2361	RAH2362	RAH2362	RAH2393	RAH2393	
	38	Rear Panel	RNA1782	PNA1784	RNA1785	RNA1789	RNA1788	
	52	65 Label	ORW1069	Not Used	Not Used	Not Used	Not Used	
	58	Fuse Caution Label	RRW - 111	Not Used	Not Used	Not Used	Not Used	
	59	Pin Cap	Not Used	Not Used	VEC1616	Not Used	Not Used	
$\Delta$	60	Voltage Selector (AC110/120 - 127/220/240V)	Not Used	Not Used	Not Used	Not Used	PSB1002	
	61	Insulator	Not Used	PNW1912	PNW1912	Not Used	Not Used	
$\Delta$	62	Fuse (TSA)	Not Used	Not Used	PEK1003	Not Used	Not Used	

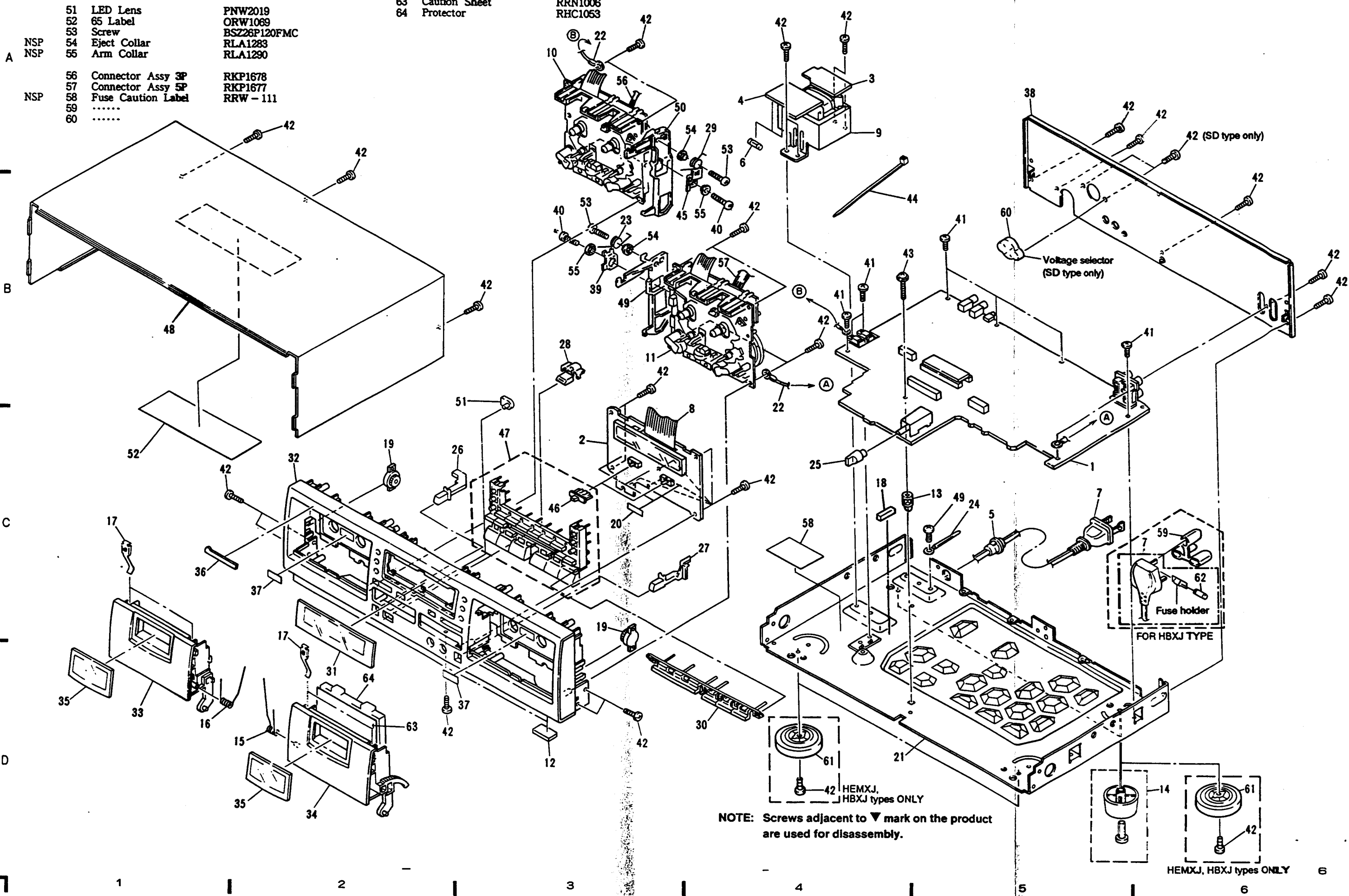
**● PARTS LIST FOR KUXJ TYPE**

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.	
NSP	1	Main Unit	RWZ3192	24	Cord Clamper	RNH - 184		
	2	Sub Unit	RWZ3193	25	Balance Knob	RAC1705		
	3	Transformer 1 PCB	RNZ2802	NSP	26	Eject Knob L	RAC1881	
	4	Transformer 2 Unit	RWZ3195		27	Eject Knob R	RAC1892	
	5	Strain Relief	CM - 22C		28	Power Knob	RAC1883	
$\Delta$	6	FU1001, FU1002 Fuse (1.5A)	REK1059	29	Eject Spring R	RBH1380		
	7	AC Power Cord	PDG1015	30	REC Knob B	RAC1788		
$\Delta$	8	Lead Card 31P	RDD1299	NSP	31	FL Lens	RAH2374	
	9	Power Transformer	RTT1223		32	Front Panel	RAH2361	
	10	1 Mechanism Unit (DECK I)	RYM230		33	Door Pocket L	RAH2396	
			RYM231		34	Door Pocket R	RAH2398	
11	2 Mechanism Unit (DECK II)	RYM231	35		Door Lens	RAH2435		
NSP	12	Rubber Sheet	AEB1111	36	Name Plate	RAM1007		
	13	PCB Spacer	PNY - 404	37	Remain Display Paper	REE - 113		
	14	Foot Assy	AEC1531	38	Rear Panel	RNA1782		
	15	Door Spring L	RBH304	39	Eject Arm L	RNE1763		
			RBH305	40	Screw	BCZ26P050FMC		
NSP	16	Door Spring R	RBH305	41	Screw	BBZ30P060FMC		
	17	Half Pressure Spring	RBK004	42	Screw	BBZ30P080FZK		
	18	Spacer	REB257	43	Screw	IBZ30P150FCU		
	19	Damper Assy	REC1005	NSP	44	Binder	Z09 - 057	
			REC195		45	Eject Arm R	RNE1764	
20	Knob Spacer	REC195	NSP	46	Slide Knob	REA1078		
NSP	Main Chassis	RNE191		47	Control Knob	RAC1878		
		XDF - 504		48	Bonnet	REA1077		
22	Earth Lead Unit	REB379						
23	Eject Spring L	REB379						

2. 1 MECHANISM UNIT AND 2 MECHANISM UNIT



Mark No.	Description	Part No.	Mark No.	Description	Part No.
49	Eject Lever L	RNK2045	61	.....	
50	Eject Lever R	RNK2046	62	.....	
51	LED Lens	PNW2019	63	Caution Sheet	RRN1006
52	65 Label	ORW1069	64	Protector	RHC1053
53	Screw	BSZ26P120FMC			
NSP 54	Eject Collar	RLA1283			
NSP 55	Arm Collar	RLA1290			
56	Connector Assy 3P	RKP1678			
NSP 57	Connector Assy 5P	RKP1677			
58	Fuse Caution Label	RRW - 111			
59	.....				
60	.....				



NOTE: Screws adjacent to ▼ mark on the product are used for disassembly.

Fuse holder  
FOR HBXJ TYPE

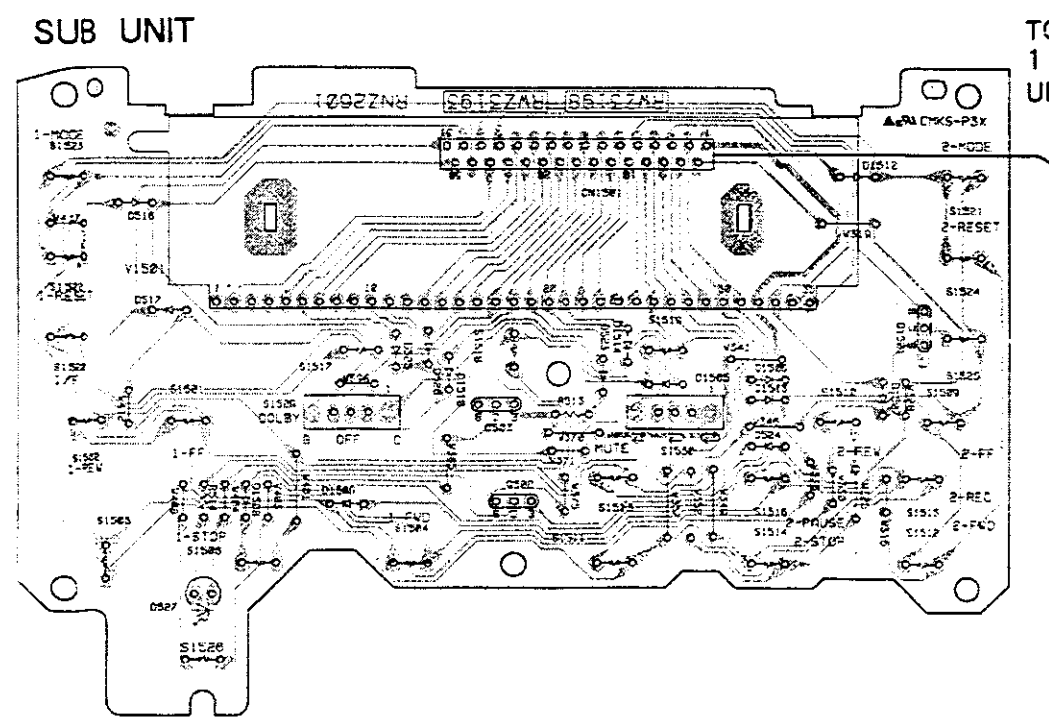
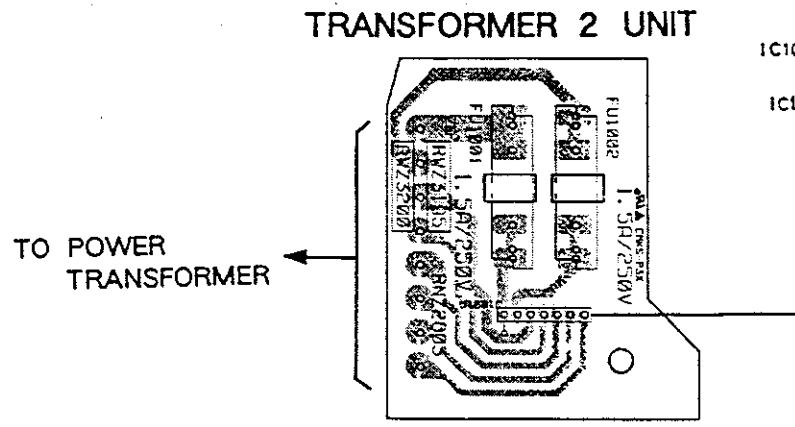
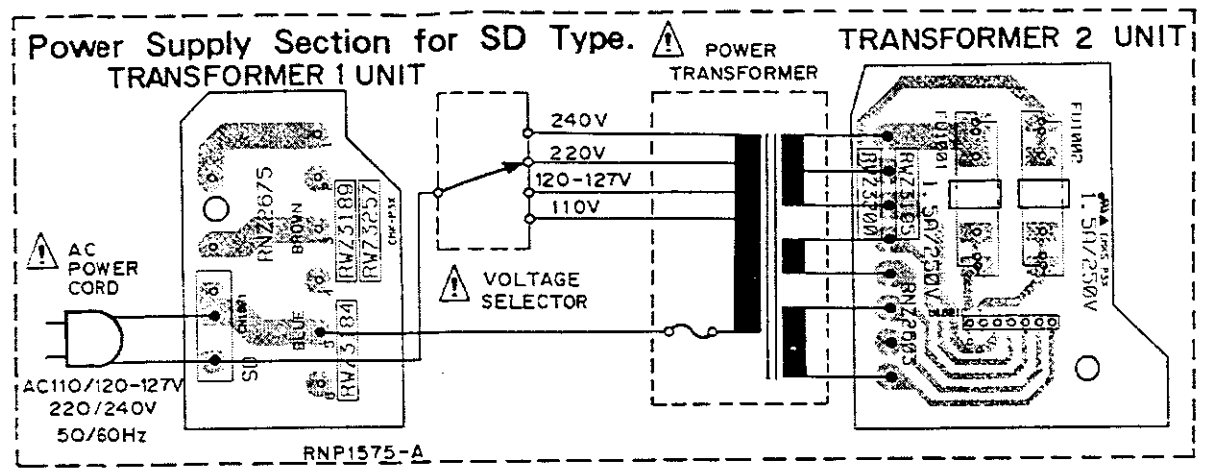
Voltage selector  
(SD type only)

HEMXJ, HBXJ types ONLY

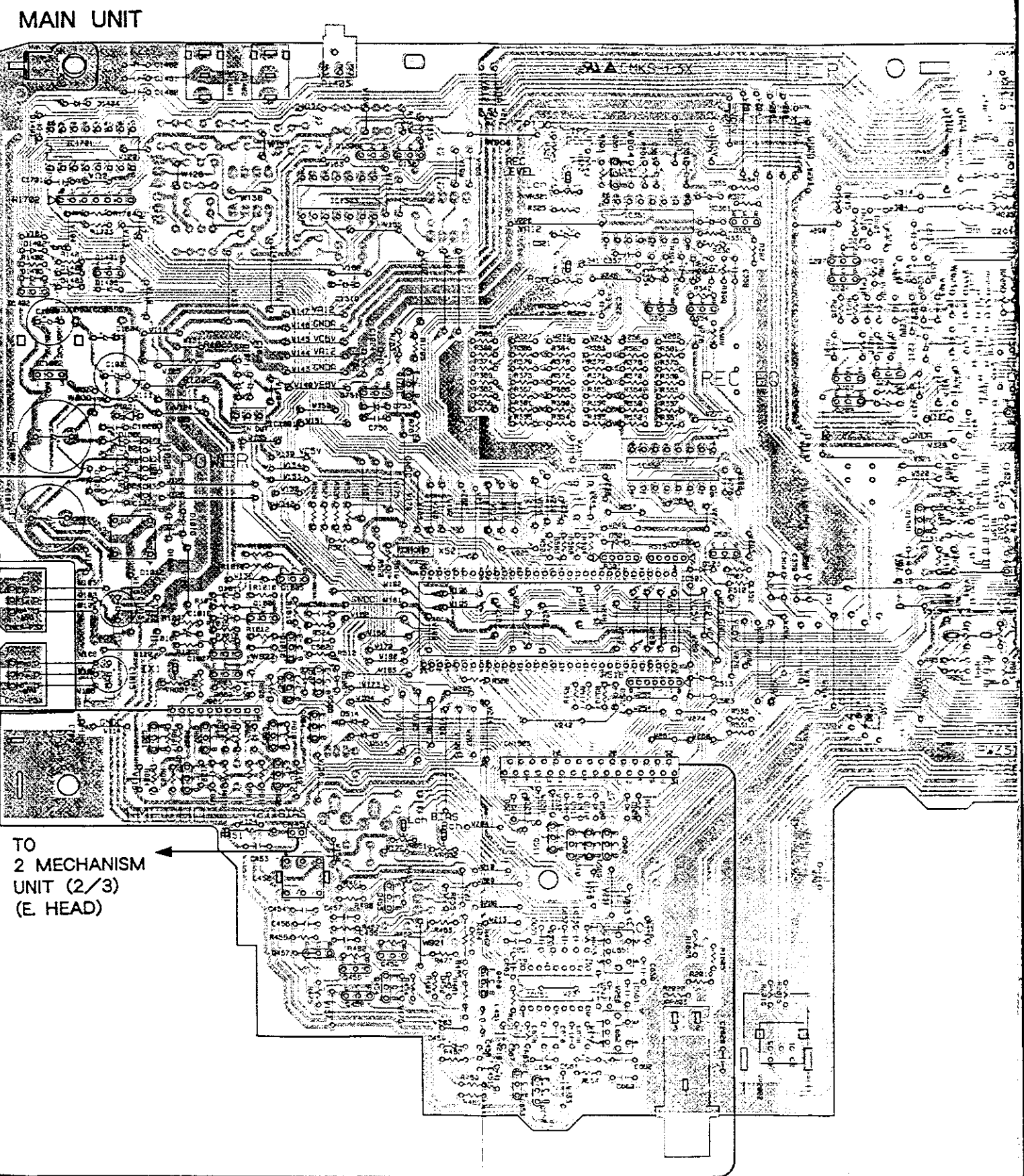
## Parts List

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	1	PLUNGER	RLA1288		51	STOP RING	YE15FUC
	2	PCB CONTROL BLK (1 MECHANISM UNIT)	RXA1623		52	SPRING INTERLOCK L (2 MECHANISM UNIT ONLY)	RBH1385
	3	PUSH SWITCH	RSG1018		53	ARM INTERLOCK L (2 MECHANISM UNIT ONLY)	RNE1780
	4	SPLF	RSN1023		54	PCB CONTROL BLK (2 MECHANISM UNIT)	RXA1624
	5	PHOTO - TRANSISTOR	SPI33534FG		55	PLATE HD BLK (2 MECHANISM UNIT)	RXA1634
	6	MTR MAIN BLK	RXM1075				
	7	SOLENOID BLK	RXP1021				
	8	SPRING INTERLOCK R	RBH1386				
	9	ARM INTERLOCK R	RNE1781				
	10	CHASSIS BASE BLK	RXA1626				
	11	SPRING BRAKE	RBH1387				
	12	MAIN BELT	REB1157				
	13	F/R BELT	REB1254				
	14	LEVER BRAKE	RNK2071				
	15	F/W ASSY	RXA1428				
	16	PINCH ROLLER BLK R	RXA1628				
	17	PINCH ROLLER BLK L	RXA1629				
	18	CLUTCH BLK ASSY	RXA1631				
	19	SCREW	RBA1113				
	20	WASHER 2.1x0.25T	RBF1038				
	21	SPRING REEL (L)	RBH1388				
	22	SPRING REEL (R)	RBH1389				
	23	CAM SPRING	RBH1393				
	24	SPACER	RLA1286				
	25	LEVER F/R	RNE1782				
	26	REEL FEATHER	RNK2072				
	27	REEL BASE	RNK2073				
	28	PLAY GEAR (A)	RNK2074				
	29	FF GEAR (A)	RNK2075				
	30	F/R PULLEY	RNK2076				
	31	CLUTCH BLK ASSY	RXA1632				
	32	WASHER	WA17D040D025				
	33	WASHER	WA23F060M040				
	34	SCREW	PCZ20P040FMC				
	35	SCREW	RBA1077				
	36	SPRING HB	RBH1390				
	37	HEAD BASE	RNE1783				
	38	PLATE HD BLK (1 MECHANISM UNIT)	RXA1633				
	39	HD PCB 5P	RXA1635				
	40	SCREW	RBA1113				
	41	WASHER 2.0x0.3	RBE1009				
	42	SPRING ARM PLAY	RBH1392				
	43	SPACER	RLA1286				
	44	PLATE SLIDE	RNE1785				
	45	CAM GEAR	RNK2078				
	46	ARM PLAY	RNK2079				
	47	SPRING CASSETTE	RNE1786				
	48	SCREW	BMZ26P040FZK				
	49	WASHER	WA26D045D025				
	50	WASHER	WA26D047D050				

• This diagram is viewed from the mounted parts side.

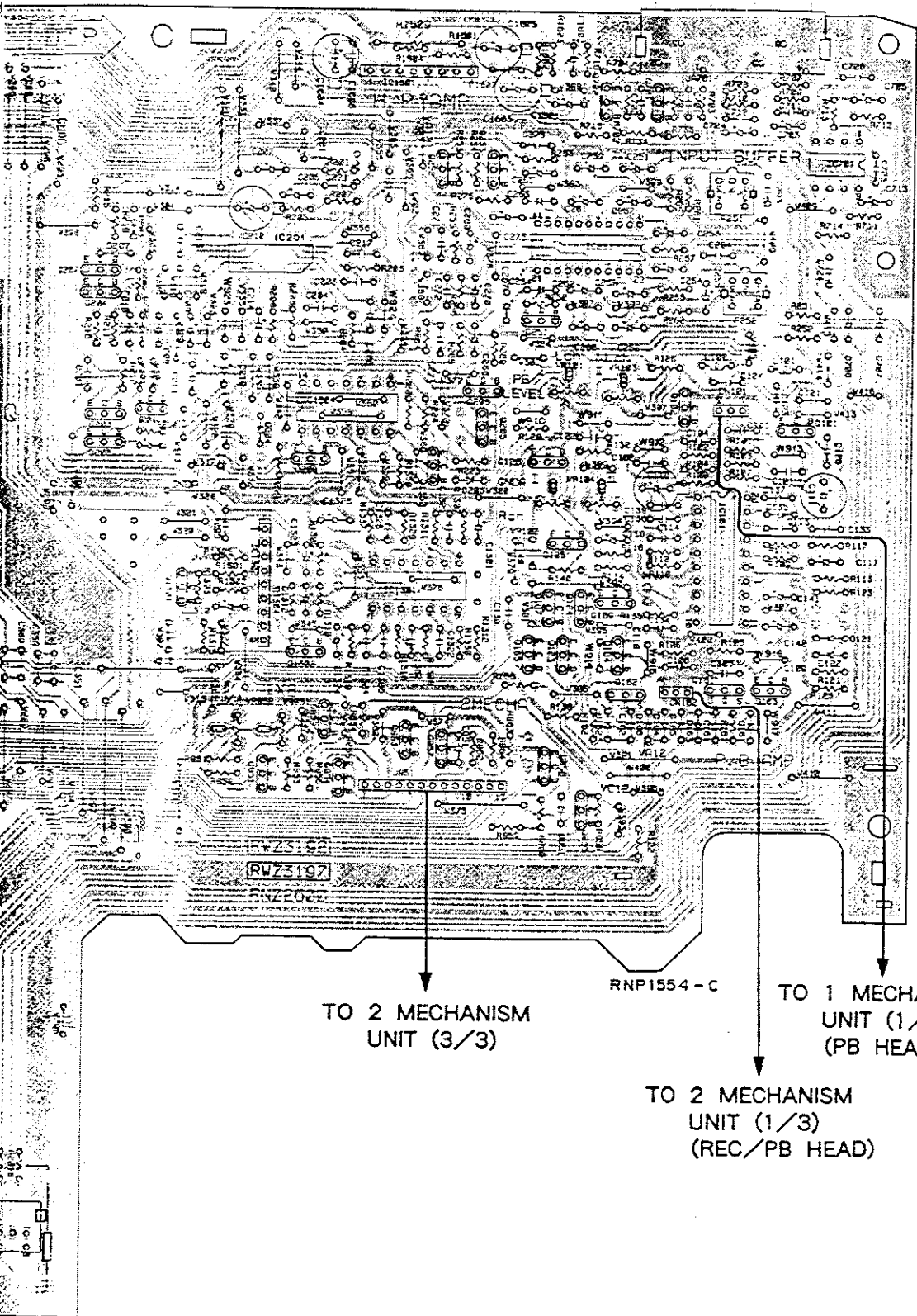


TO 1 MECHANISM UNIT (2/2)





The parts enclosed by    are different from those of others destinations.  
 (SD Type ONLY) (The schematic diagrams are the same).



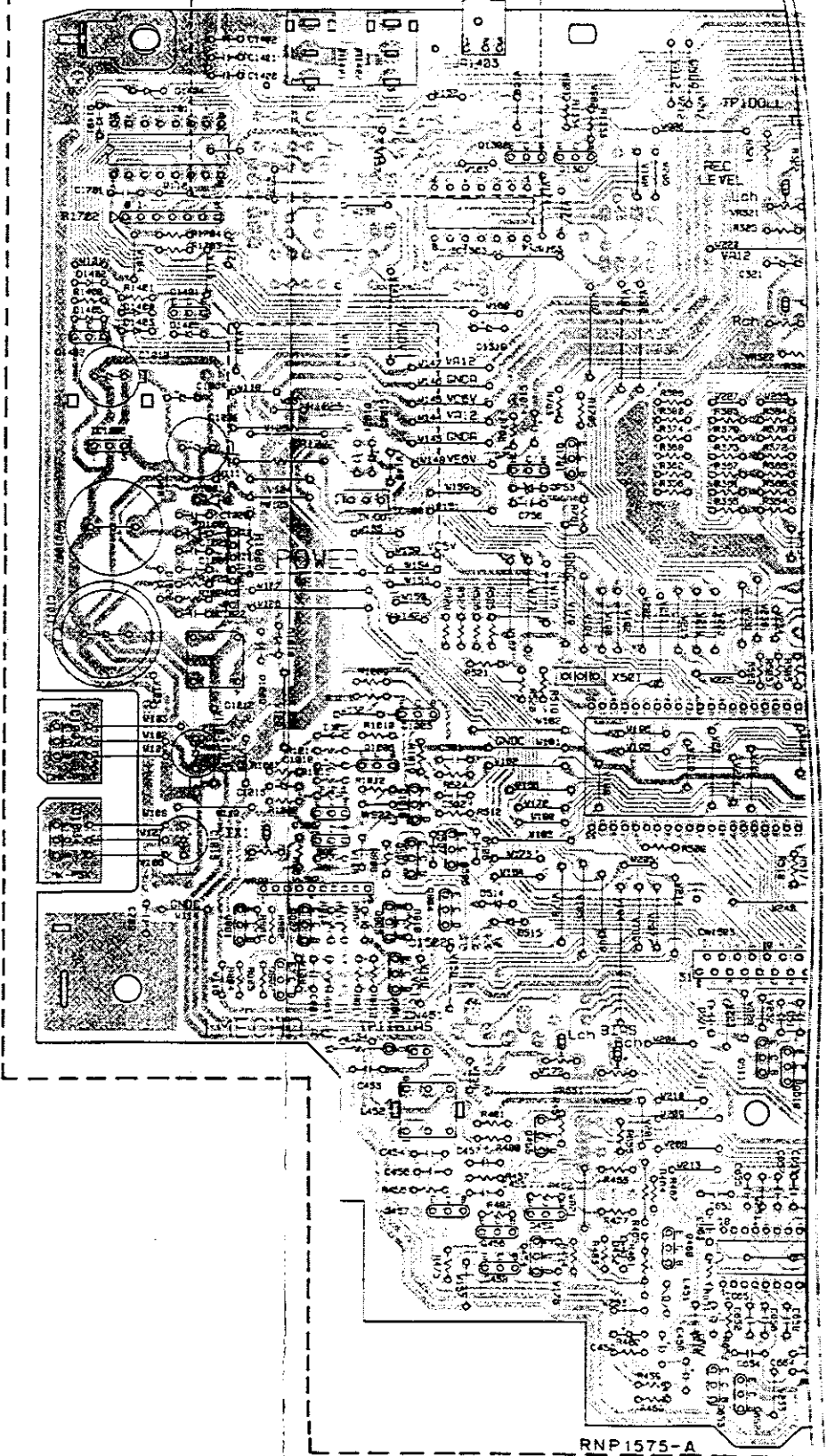
RNP1554-C

TO 2 MECHANISM UNIT (3/3)

TO 1 MECHANISM UNIT (1/2) (PB HEAD)

TO 2 MECHANISM UNIT (1/3) (REC/PB HEAD)

MAIN UNIT



RNP1575-A

NOTE FOR PCB DIAGRAMS:

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

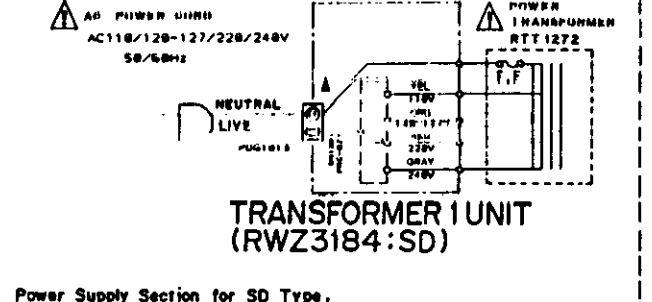
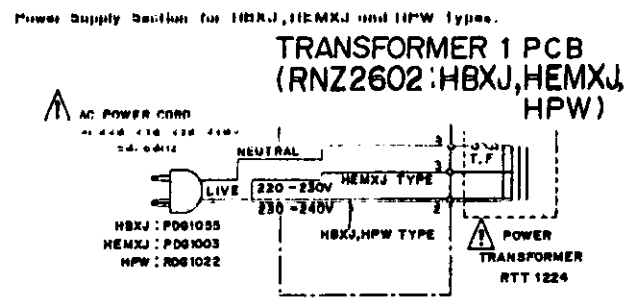
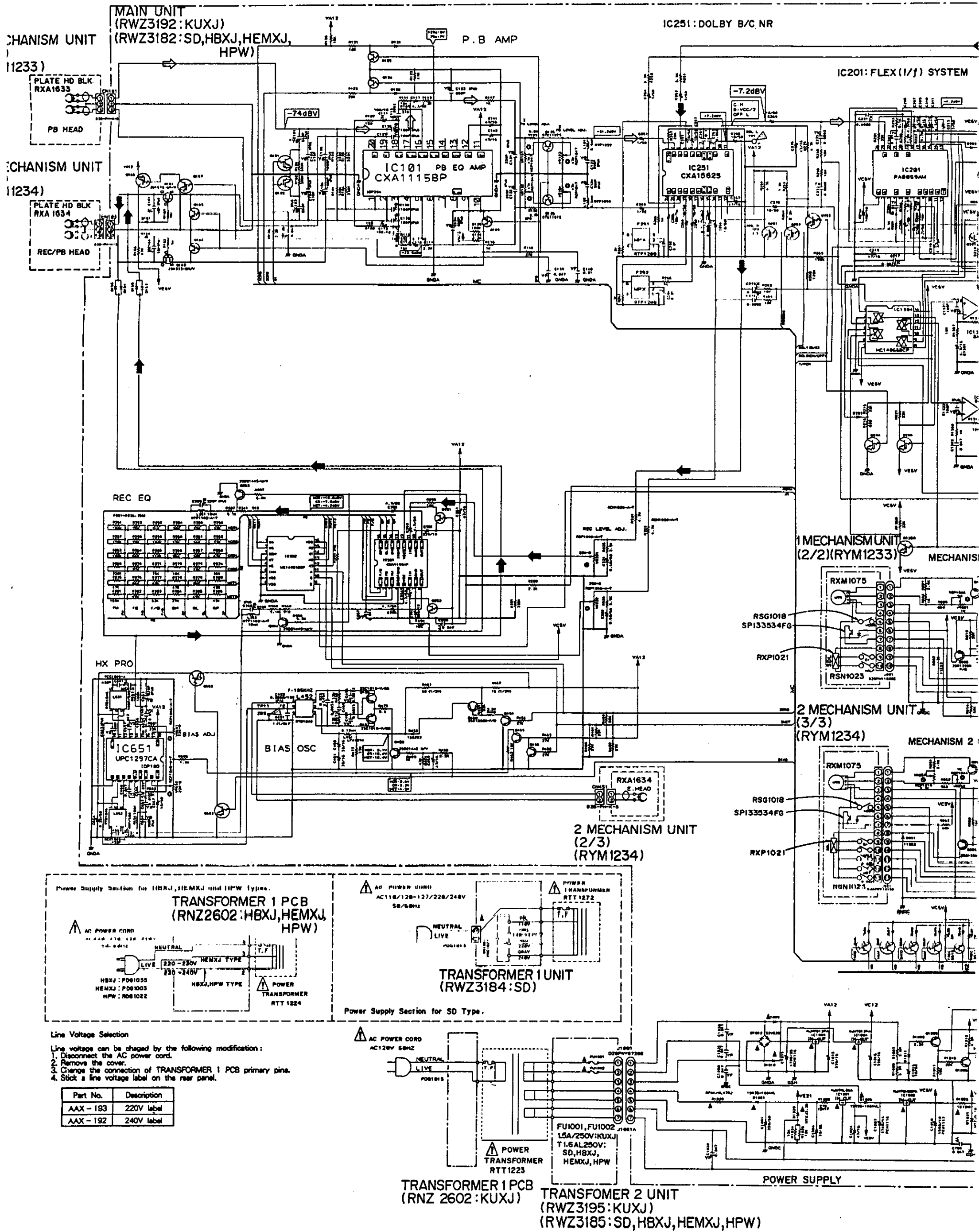
Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

A

B

C

# SCHEMATIC DIAGRAM

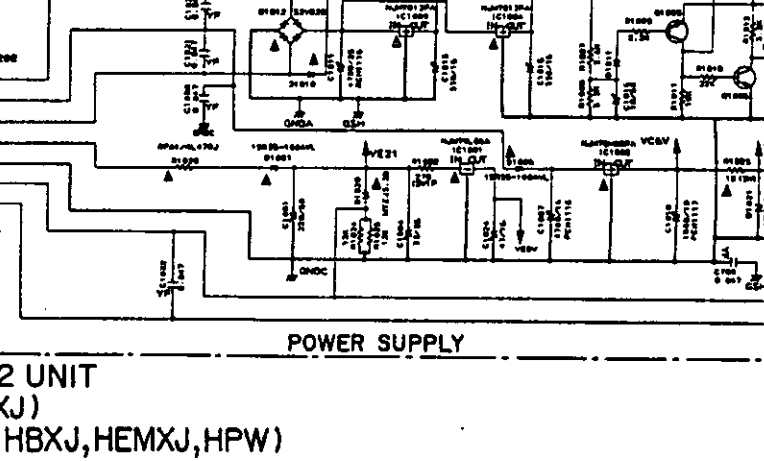
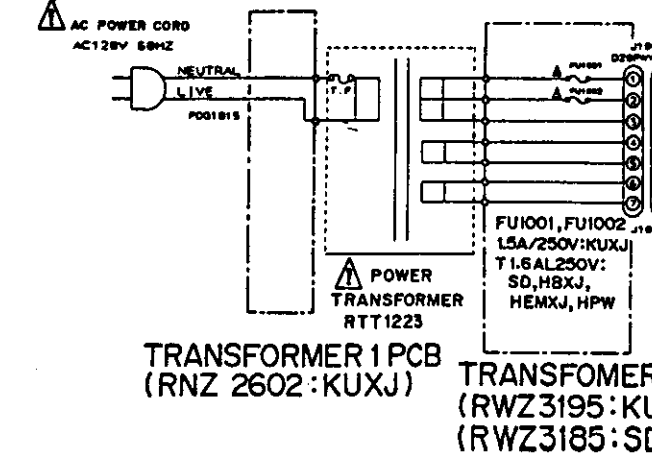


**Line Voltage Selection**

Line voltage can be changed by the following modification:

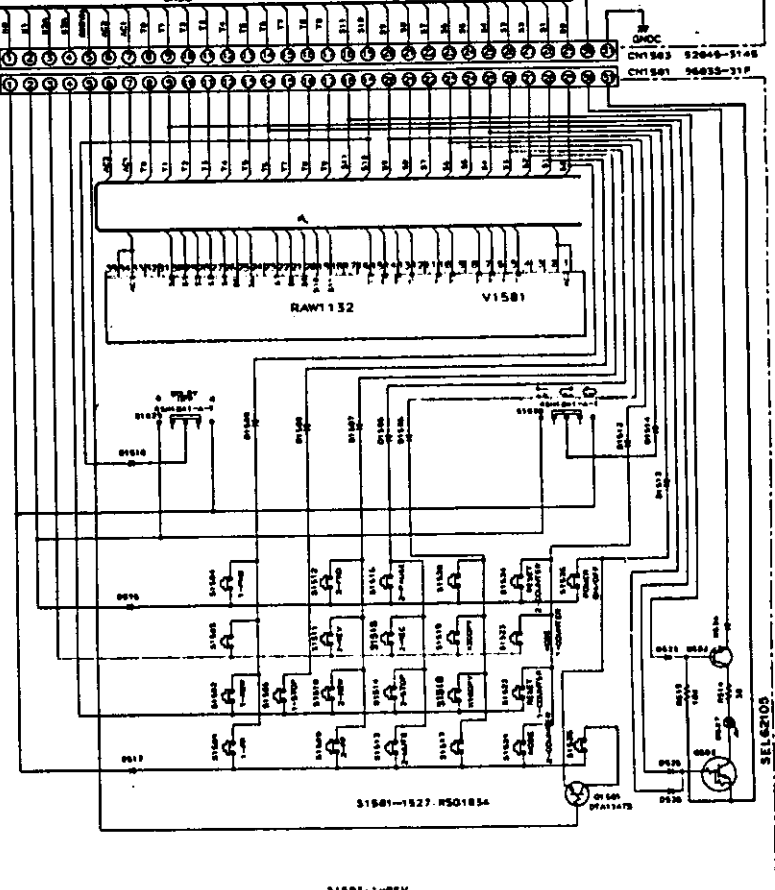
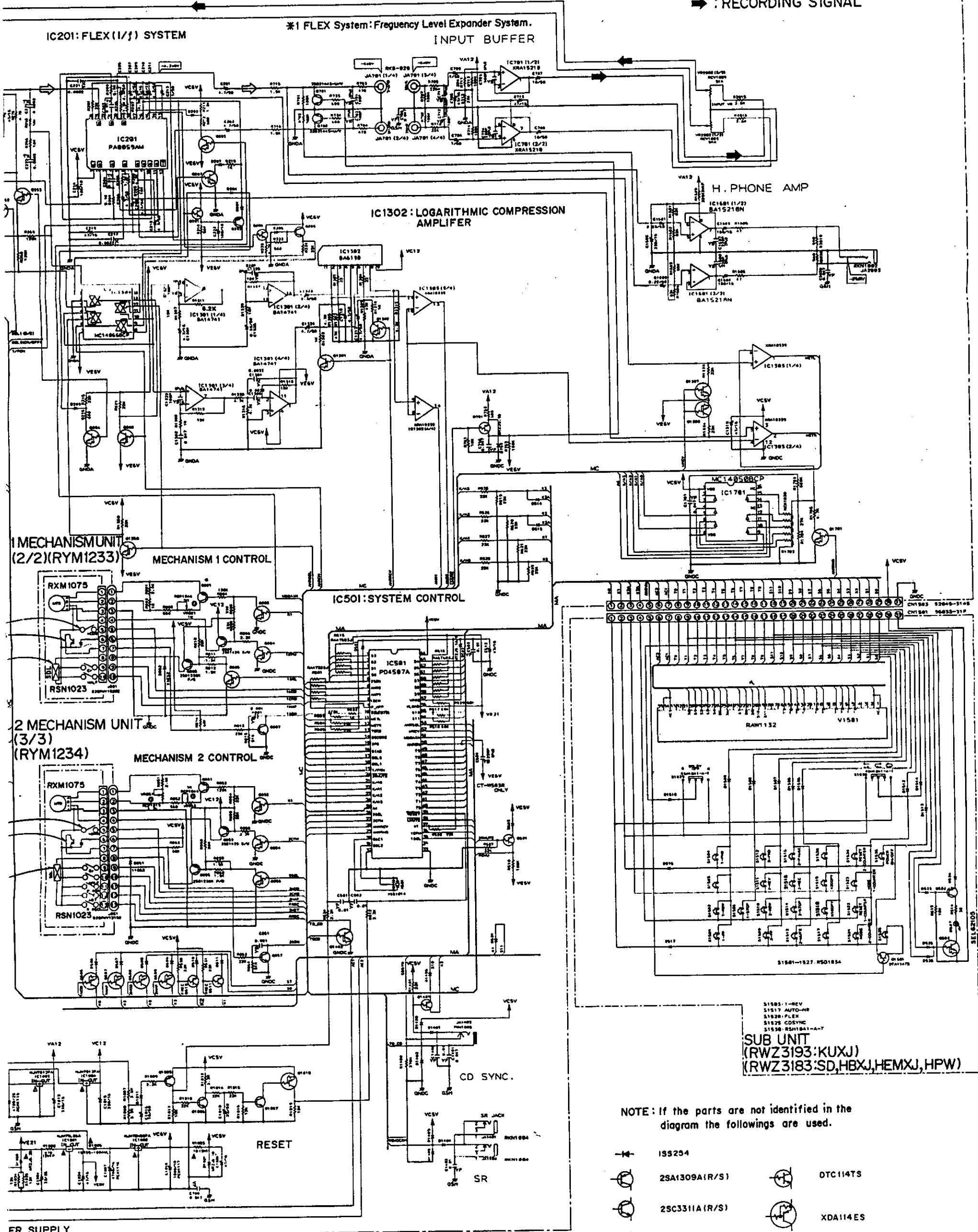
1. Disconnect the AC power cord.
2. Remove the cover.
3. Change the connection of TRANSFORMER 1 PCB primary pins.
4. Stick a line voltage label on the rear panel.

Part No.	Description
AAX-193	220V label
AAX-192	240V label





SIGNAL ROUTE  
◁ : PLAY BACK SIGNAL  
▶ : RECORDING SIGNAL



51585-1-REV  
51517 AUTO-HR  
51526 FLEX  
51525 CDSYNC  
51556 RSN1023-A-7  
**SUB UNIT**  
(RWZ3193:KUXJ)  
(RWZ3183:SD,HBXJ,HEMXJ,HPW)

NOTE: If the parts are not identified in the diagram the followings are used.

- ▶ 1SS204
- ▶ 2SA1309A(R/S)
- ▶ 2SC3311A(R/S)
- ▶ DTA114TS
- ▶ DTC114TS
- ▶ XDA114ES
- ▶ XDC124ES

## 9. PCB PARTS LIST

### NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The  $\Delta$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "⊙" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5% K=10%).

560  $\Omega$   $\rightarrow$   $56 \times 10^1 \rightarrow$  561 ..... RD1/8PM  $\begin{matrix} 5 & 6 & 1 \\ \hline \end{matrix}$  J

47k  $\Omega$   $\rightarrow$   $47 \times 10^3 \rightarrow$  473 ..... RD1/4PS  $\begin{matrix} 4 & 7 & 3 \\ \hline \end{matrix}$  J

0.5  $\Omega$   $\rightarrow$  0R5 ..... RN2H  $\begin{matrix} 0 & R & 5 \\ \hline \end{matrix}$  K

1  $\Omega$   $\rightarrow$  010 ..... RS1P  $\begin{matrix} 0 & 1 & 0 \\ \hline \end{matrix}$  K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k  $\Omega$   $\rightarrow$   $562 \times 10^1 \rightarrow$  5621 ..... RN1/4PC  $\begin{matrix} 5 & 6 & 2 & 1 \\ \hline \end{matrix}$  F

### LIST OF WHOLE PCB ASSEMBLIES

Mark	PCB Assemblies	Part No.					Remarks
		KUXJ type	HEMXJ type	HBXJ type	HPW type	SD type	
$\Delta$ NSP	MOTHER UNIT	RWM1688	RWM1688	RWM1688	RWM1688	RWM1726	
	└ MAIN UNIT	RWZ3192	RWZ3182	RWZ3182	RWZ3182	RWZ3182	
	└ SUB UNIT	RWZ3193	RWZ3183	RWZ3183	RWZ3183	RWZ3183	
NSP	└ TRANSFORMER 2 UNIT	RWZ3195	RWZ3185	RWZ3185	RWZ3185	RWZ3185	
NSP	└ TRANSFORMER 1 UNIT	Not Used	Not Used	Not Used	Not Used	RWZ3184	

### MAIN UNIT

RWZ3192 and RWZ3182 have the same construction except for the following:

Mark	Symbol & Description	Part No.		Remarks
		RWZ3192	RWZ3182	
	C1011	RCH1116	RCH1120	

### SUB UNIT

Although RWZ3193 and RWZ3183 are different in part number, they consist of the same components.

### TRANSFORMER 2 UNIT

Although RWZ3195 and RWZ3185 are different in part number, they consist of the same components.

### TRANSFORMER 1 UNIT (SD type only)

This unit has no service parts.



9. SWITCHES (Underline indicates switch position):

NOTE FOR SCHEMATIC DIAGRAMS  
1. When ordering service parts, be sure to refer to "PARTS LIST" or "PCB PARTS LIST".  
(Type 6A)

No.

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	C1018	ELECT. CAPACITOR	CEAS220M50		C267	ELECT. CAPACITOR	CEAS470M16
	C102	AXIAL CAPACITOR	CKPUYB561K50		C269, C270	ELECT. CAPACITOR	CEAS100M50
	C1020-C1022	CERAMIC CAPACITOR	CKCYF473Z50		C271-C274	AUDIO FILM CAPACITOR	CFTXA822J50
	C1024, C1025	ELECT. CAPACITOR	CEAS470M16		C275	ELECT. CAPACITOR	CEAS470M16
	C103, C104	AXIAL CAPACITOR	CKPUYB471K50		C293, C294	AUDIO FILM CAPACITOR	CFTYA103J50
	C105, C106	CERAMIC CAPACITOR	CKPUYB102K50		C321, C322	ELECT. CAPACITOR	CEASR68M50
	C111, C112	ELECT. CAPACITOR	CEANL101M10		C351, C352	ELECT. CAPACITOR	CEAS221M10
	C113, C114	AUDIO FILM CAPACITOR	CFTXA822J50		C353-C356	ELECT. CAPACITOR	CEAS4R7M50
	C117, C118	ELECT. CAPACITOR	CEAS4R7M50		C357, C358	CERAMIC CAPACITOR	CKCYF473Z50
	C121, C122	AXIAL CAPACITOR	CKPUYB221K50		C359, C360	AXIAL CAPACITOR	CKPUYB221K50
	C123, C124	AXIAL CAPACITOR	CKPUYB391K50		C361	ELECT. CAPACITOR	CEAS470M16
	C126	CERAMIC CAPACITOR	CKCYF473Z50		C451	ELECT. CAPACITOR	CEAS330M16
	C1301	ELECT. CAPACITOR	CEAS4R7M50		C453	CAPACITOR	QCPA682J100
	C1302	CERAMIC CAPACITOR	CGCYX473K25		C454	AUDIO FILM CAPACITOR	CFTYA223J50
	C1304, C1306	CERAMIC CAPACITOR	CGCYX332K25		C455-C457	CERAMIC CAPACITOR	CGCYX332K25
	C1310, C1312	ELECT. CAPACITOR	CEAS4R7M50		C458	ELECT. CAPACITOR	CEAS330M16
	C1319	ELECT. CAPACITOR	CEAS470M16		C459	ELECT. CAPACITOR	CEAS470M16
	C1321, C1322	AXIAL CAPACITOR	CKPUYB101K50		C501-C503	CERAMIC CAPACITOR	CKCYF103Z50
	C1323, C1324	ELECT. CAPACITOR	CEAS4R7M50		C504	AXIAL CAPACITOR	CKPUYB221K50
	C1325	AXIAL CAPACITOR	CKPUYB821K50		C513	ELECT. CAPACITOR	CEAS470M16
	C1326	ELECT. CAPACITOR	CEASR33M50		C651, C652	CERAMIC CAPACITOR	CGCYX103K25
	C133, C134	AXIAL CAPACITOR	CKPUYB681K50		C653, C654	AXIAL CAPACITOR	CKPUYB821K50
	C135-C138	AXIAL CAPACITOR	CKPUYB101K50		C655, C656	CERAMIC CAPACITOR	CGCYX223K25
	C139	CERAMIC CAPACITOR	CKCYF473Z50		C657, C658	CERAMIC CAPACITOR	CGCYX473K25
	C140, C1400	CERAMIC CAPACITOR	CKCYF103Z50		C659, C660	CERAMIC CAPACITOR	CCSL101K500
	C1401	CERAMIC CAPACITOR	CKCYF473Z50		C661, C662	CERAMIC CAPACITOR	CG1005
	C1402	CERAMIC CAPACITOR	CKCYF103Z50		C663	AXIAL CAPACITOR	CKPUYB101K50
	C141, C142	ELECT. CAPACITOR	CEAS470M16		C664	ELECT. CAPACITOR	CEASR22M50
	C1601, C1602	ELECT. CAPACITOR	CEASR22M50		C667	ELECT. CAPACITOR	CEAS100M50
	C1603, C1604	ELECT. CAPACITOR	CEAS101M16		C701, C702	AXIAL CAPACITOR	CKPUYB101K50
	C1605	ELECT. CAPACITOR	CEAS331M16		C703, C704	ELECT. CAPACITOR	CEAS010M50
	C1607, C1608	AXIAL CAPACITOR	CKPUYB221K50		C705	ELECT. CAPACITOR	CEAS470M16
	C161, C162	AXIAL CAPACITOR	CCPUSL100J50		C706	CERAMIC CAPACITOR	CKCYF473Z50
	C1701	CERAMIC CAPACITOR	CKCYF473Z50		C707, C708	ELECT. CAPACITOR	CEAS100M50
	C201, C202	ELECT. CAPACITOR	CEAS4R7M50		C709	CERAMIC CAPACITOR	CKCYF473Z50
	C2020	CERAMIC CAPACITOR	CKCYF473Z50		C711, C712	AXIAL CAPACITOR	CKPUYB101K50
	C203, C204	AUDIO FILM CAPACITOR	CFTYA103J50		C713	ELECT. CAPACITOR	CEAS470M16
	C205-C208	ELECT. CAPACITOR	CEAS4R7M50		C723, C724	AXIAL CAPACITOR	CKPUYB101K50
	C209	ELECT. CAPACITOR	CEAS470M16		C756	CERAMIC CAPACITOR	CKCYF473Z50
	C210	ELECT. CAPACITOR	CEAS101M10		C801, C851	CERAMIC CAPACITOR	CKPUYB102K50
	C211	ELECT. CAPACITOR	CEAS4R7M50				
	C213	ELECT. CAPACITOR	CEAS010M50				
	C214	ELECT. CAPACITOR	CEAS101M10				
	C217	AUDIO FILM CAPACITOR	CFTXA222J50				
	C218	ELECT. CAPACITOR	CEAS4R7M50				
	C219	ELECT. CAPACITOR	CEAS470M16				
	C221	AUDIO FILM CAPACITOR	CFTXA222J50				
	C222	ELECT. CAPACITOR	CEAS101M10				
	C251-C254	ELECT. CAPACITOR	CEAS010M50				
	C255	ELECT. CAPACITOR	CEAS101M16				
	C257-C260	ELECT. CAPACITOR	CEAS100M50				
	C261, C262	AUDIO FILM CAPACITOR	CFTYA104J50				
	C263, C264	AUDIO FILM CAPACITOR	CFTYA683J50				
	C265, C266	ELECT. CAPACITOR	CEAS100M50				

RESISTORS

R1002	METAL OXIDE RESISTOR	RSLMF271J
R1020	FUSIBLE RESISTOR	RE1/4L470J
R1023	METAL OXIDE RESISTOR	RSLMF180J
R1609	METAL OXIDE RESISTOR	RSLMF221J
R1702	LADDER RESISTOR	RC1020
R321, R322	CARBON FILM RESISTOR	RC1028
R451	CARBON FILM RESISTOR	RDW2LMF010J
R461	CARBON FILM RESISTOR	RDW2LMF080J
R467	CARBON FILM RESISTOR	RDW2LMF150J
R501	RESISTOR ARRAY (22K)	RA1223J
R515	RESISTOR ARRAY (22K)	RA1683J
R516	RESISTOR ARRAY (68K)	RAW683J
VR101-VR104	VR	RCB047

Mark No.	Description	Part No.
VR2002	VARIABLE RESISTOR	RCV1089
VR321, VR322	VR	RCP1046
VR651, VR652	VR	RCP1046
VR801	VR	RCP1044
VR851	VR	RCP1019
VR852	VR	RCP1044
OTHER RESISTORS		RD1/6PM□□□J

**OTHERS**

JA1401, JA1402	JACK	RKN1004
JA1403	JACK	PKN1005
JA2003	JACK	RKN1002
JA701	JACK	RKB-020
CN101, CN102	CONNECTOR POST	B3B-PH-K
CN1503	30P CONNECTOR	52045-3145
CN451	CONNECTOR POST	B2B-PH-K
X501	CERAMIC RESONATOR	YSS1014
PCB BINDER		VEF1040
EARTH PLATE		VNF-091

**SUB UNIT****SEMICONDUCTORS**

D1505-D1510	DIODE	1SS254
D1512-D1514	DIODE	1SS254
D516, D517	DIODE	1SS254
D523-D526	DIODE	1SS254
D527	LED	SEL6210S
Q1501	DIGITAL TRANSISTOR	DTA114TS
Q502	TRANSISTOR	ZSA1309A
Q503	TRANSISTOR	XDC124ES

**SWITCHES AND RELAYS**

S1501-S1504	SWITCH	RSG1034
S1506, S1509	SWITCH	RSG1034
S1510-S1526	SWITCH	RSG1034
S1529, S1530	SWITCH	RSH1041

**RESISTORS**

ALL RESISTORS		RD1/6PM□□□J
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**OTHERS**

CN1501	CONNECTOR	9603S-31F
V1501	FL INDICATOR TUBE	RAV1132

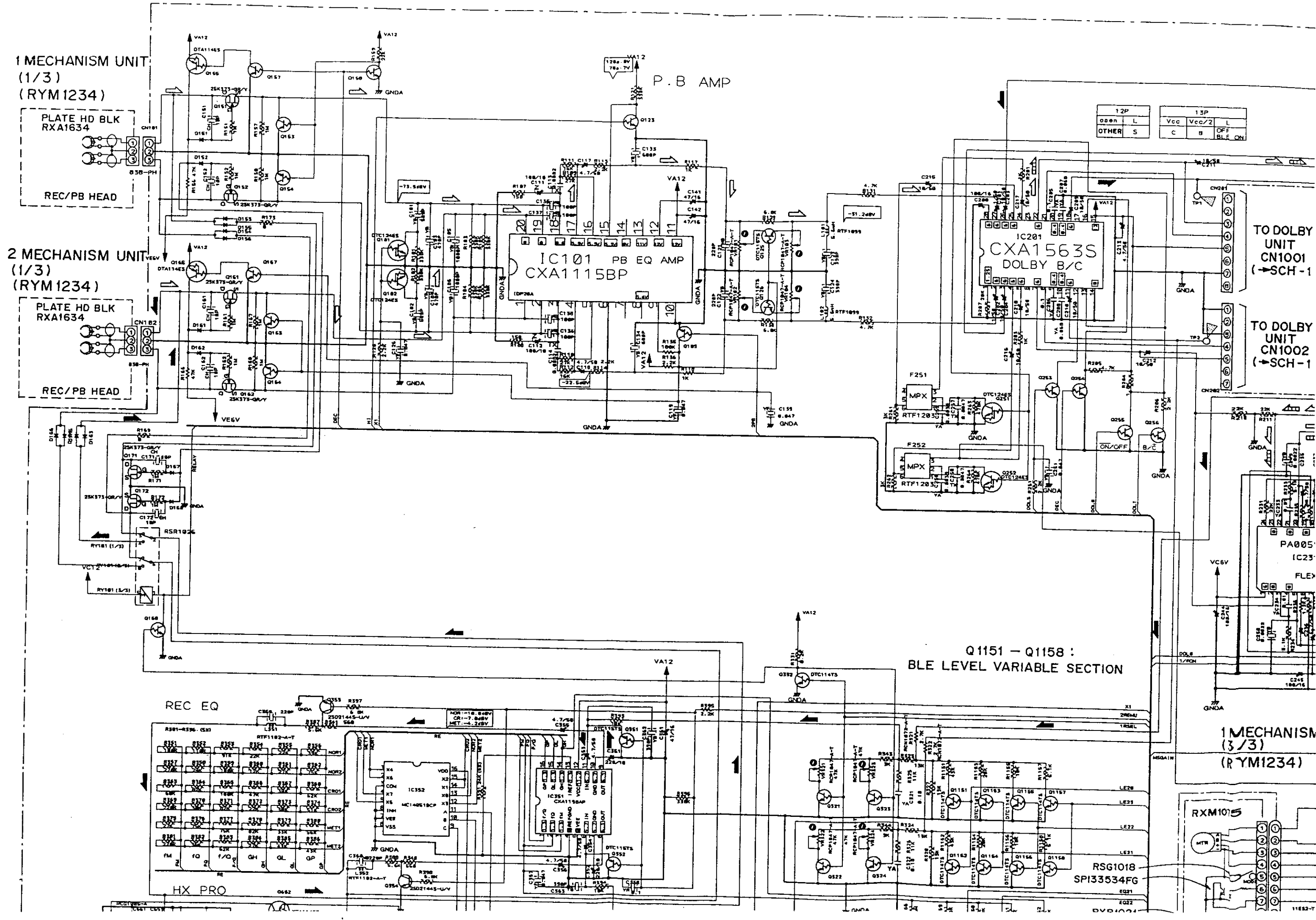
**TRANSFORMER 2 UNIT**

This unit has no service parts.

# 2. MAIN, SUB AND TRANSFORMER 2 UNIT

1 MECHANISM UNIT  
(1/3)  
(RYM1234)

2 MECHANISM UNIT  
(1/3)  
(RYM1234)

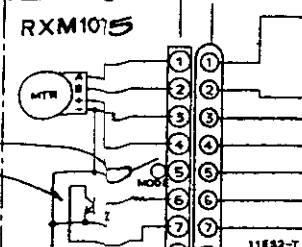


TO DOLBY UNIT  
CN1001  
(SCH-1)

TO DOLBY UNIT  
CN1002  
(SCH-1)

Q1151 - Q1158 :  
BLE LEVEL VARIABLE SECTION

1 MECHANISM  
(3/3)  
(RYM1234)



REC EQ

HX PRO

RSG1018  
SPI33534FG

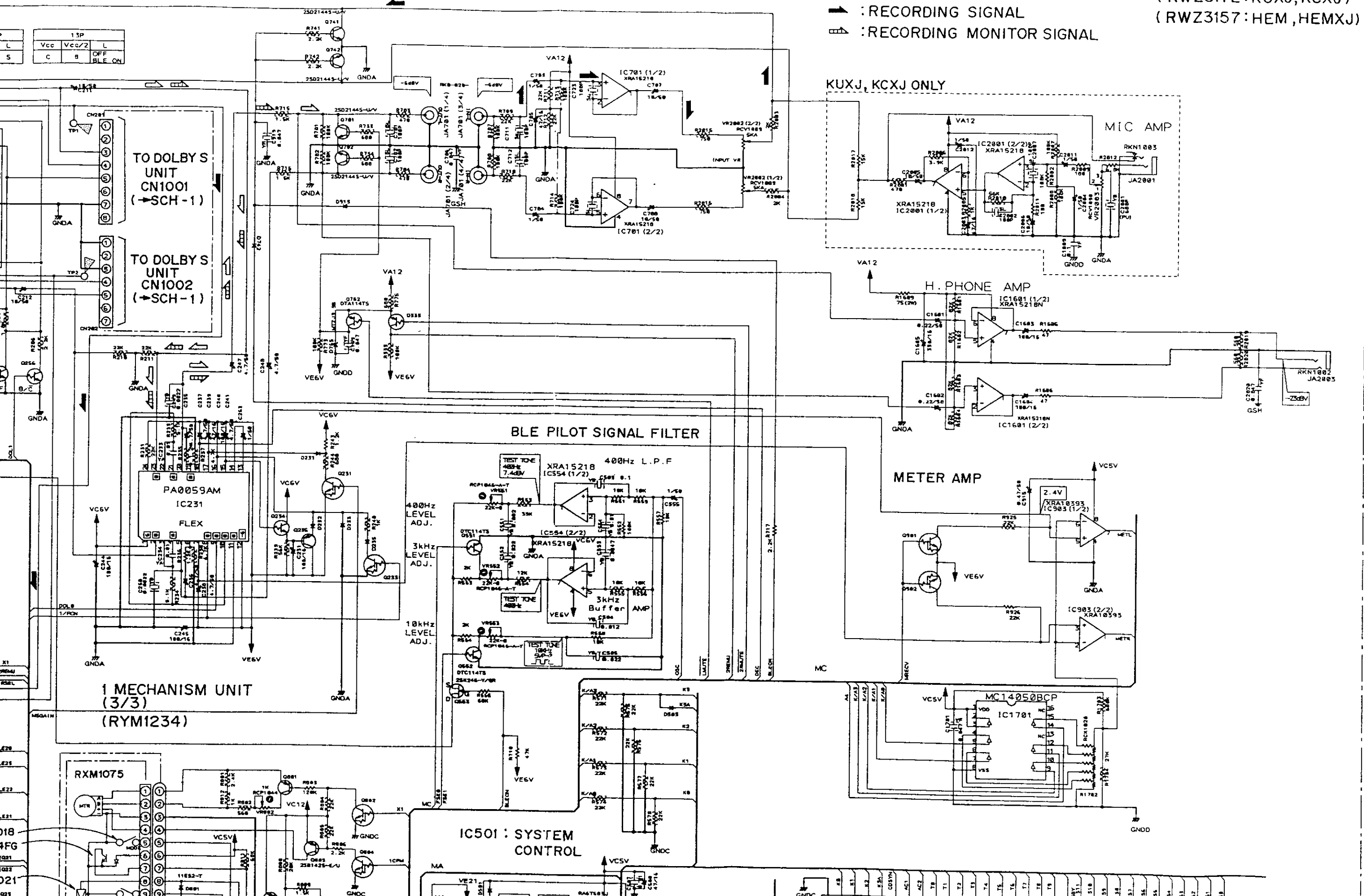


SIGNAL ROUTE

- : PLAYBACK SIGNAL
- : RECORDING SIGNAL
- ⊞ : RECORDING MONITOR SIGNAL

MAIN UNIT

( RWZ3172 : KUXJ, KCXJ )  
 ( RWZ3157 : HEM, HEMXJ )



1 SP			
Vcc	Vcc/2	L	
C	B	OFF	BLE ON

KUXJ, KCXJ ONLY

MIC AMP

H. PHONE AMP

METER AMP

BLE PILOT SIGNAL FILTER

IC501 : SYSTEM CONTROL

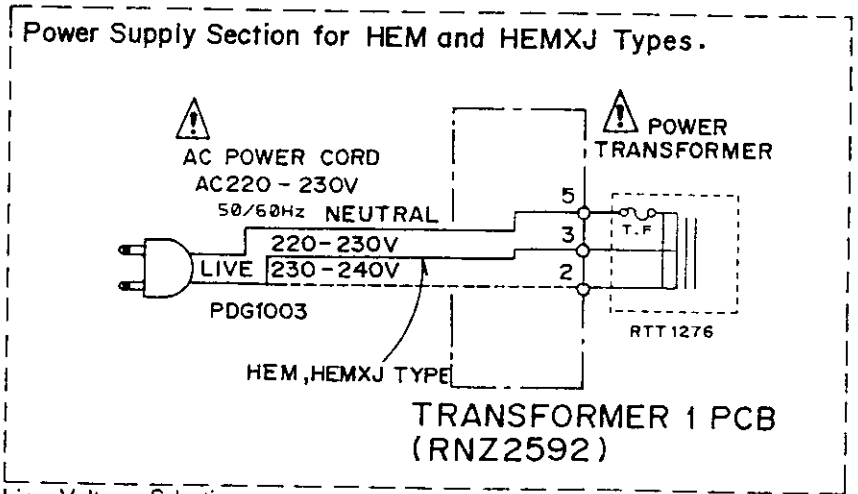
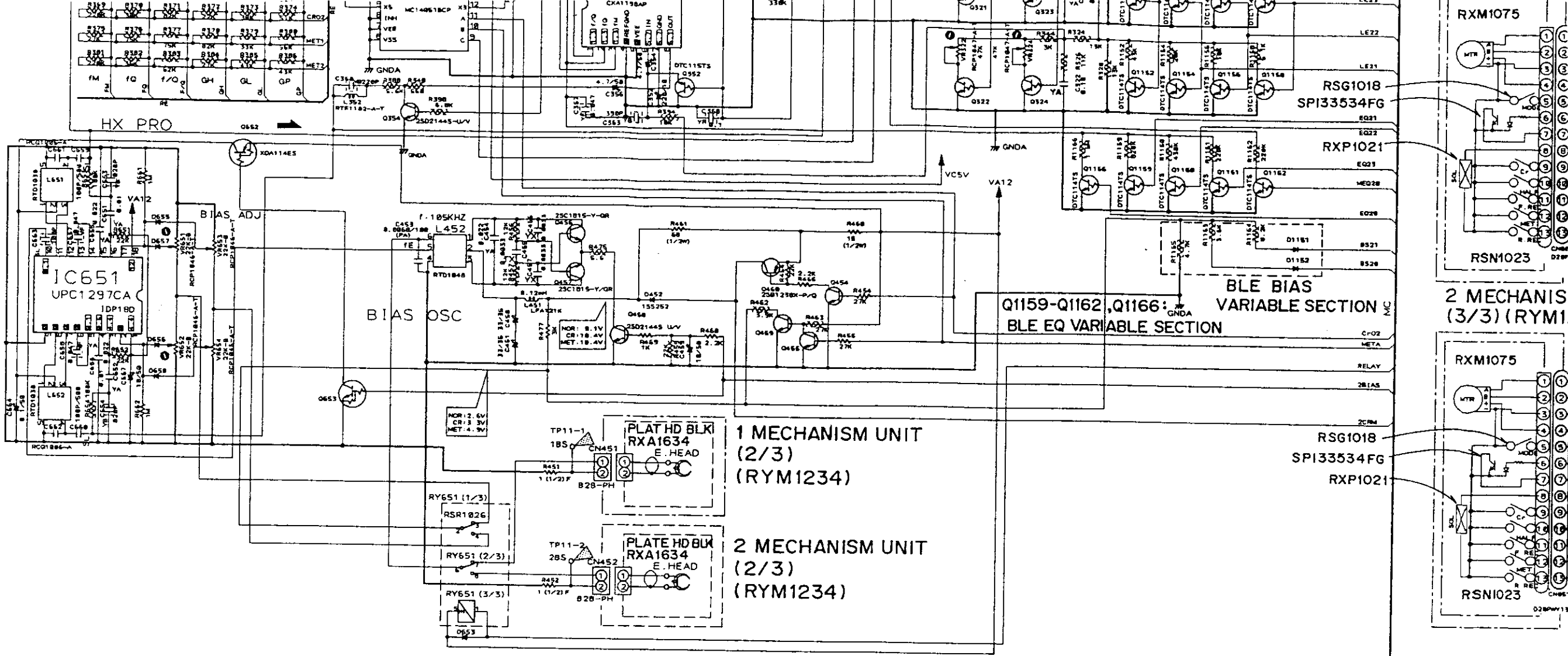
TO DOLBY S UNIT  
CN1001  
(SCH-1)

TO DOLBY S UNIT  
CN1002  
(SCH-1)

1 MECHANISM UNIT  
(3/3)  
(RYM1234)

RXM1075

- GND
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- K1
- K2
- K3
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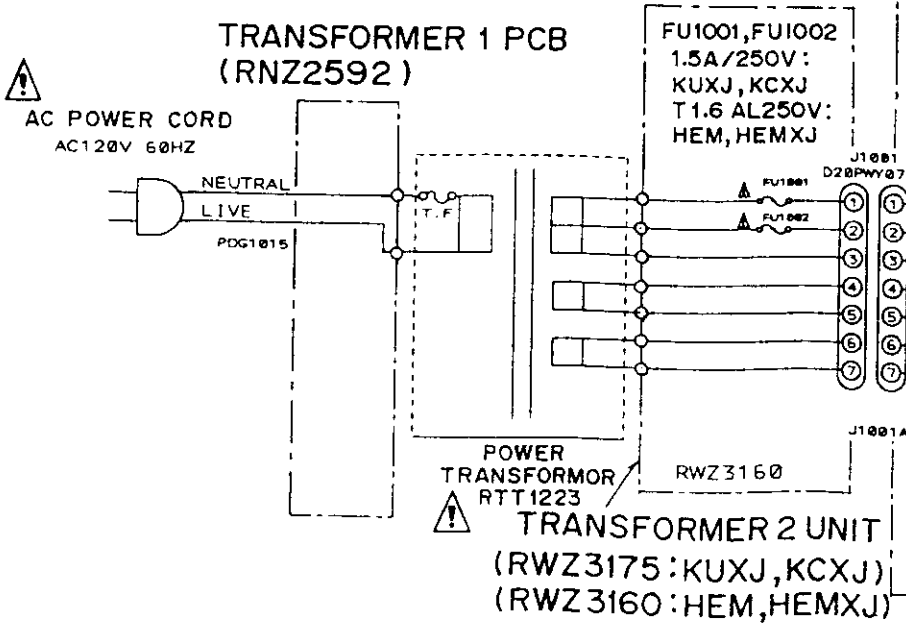


Line Voltage Selection

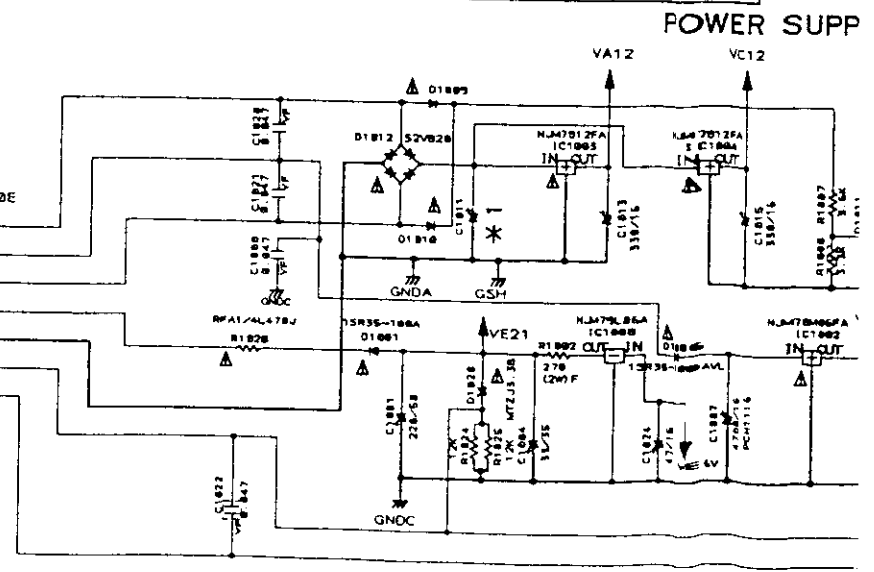
Line voltage can be changed by the following modification:

1. Disconnect the AC power cord.
2. Remove the cover.
3. Change the connection of TRANSFORMER 1 PCB primary pins.
4. Stick a line voltage label on the rear panel.

Part No.	Description
AAX - 193	220V label
AAX - 192	240V label

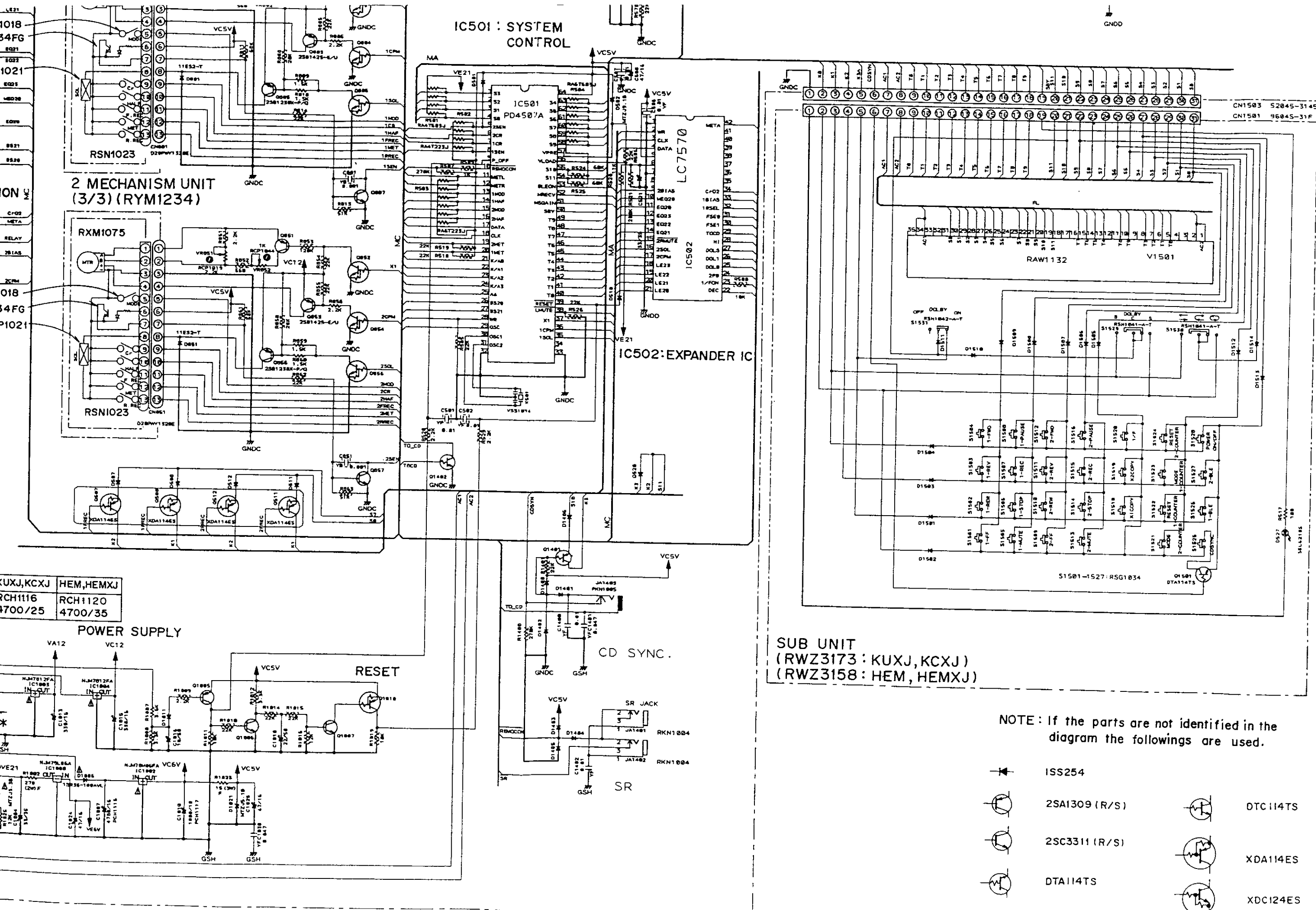


	KUXJ, KCXJ	HEM, HEMXJ
C1011	RCH1116 4700/25	RCH1120 4700/35



**SCH-2**

MAIN UNIT, SUB UNIT,  
TRANSFORMER 2 UNIT



KUXJ, KCXJ	HEM, HEMXJ
RCH1116	RCH1120
1700/25	4700/35

NOTE: If the parts are not identified in the diagram the followings are used.

- ISS254
- 2SA1309 (R/S)
- 2SC3311 (R/S)
- DTA114TS
- DTC114TS
- XDA114ES
- XDC124ES

MAIN UNIT, SUB UNIT, TRANSFORMER 2 UNIT