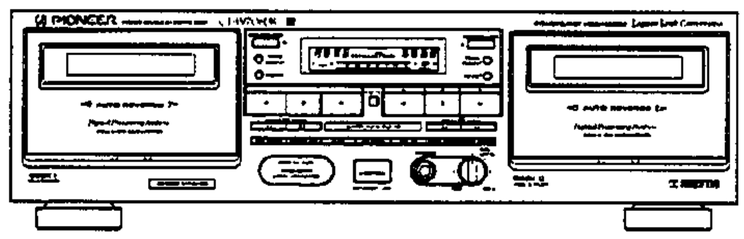
Service Manual

PIONEER®
The Art of Entertainment



• The above illustration shows CT-W706DR.

ORDER NO.
RRV1784

STEREO DOUBLE CASSETTE DECK

CT-W706DR
CT-W606DR
CT-05D

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

Type	Model			Power requirement	Remarks
	CT-W706DR	CT-W606DR	CT-05D		
HYXJ	○	○	—	AC 220-230V	———
HVXJ	—	○	—	AC 230-240V	———
HPWXJ	—	○	—	AC 230-240V	———
SDXJ	○	○	—	AC 110/120-127/220/230-240V	With the voltage selector
SLXJ	—	○	—	AC 110/120-127/220/230-240V	With the voltage selector
KUXJ/CA	—	—	○	AC 120V	———

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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safety repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safety, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

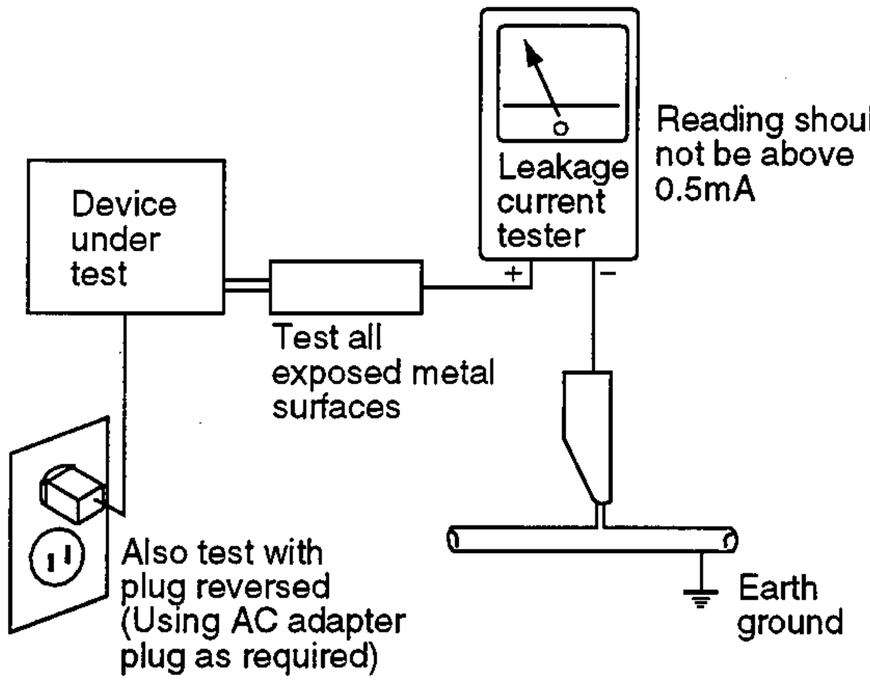
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

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

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.



AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

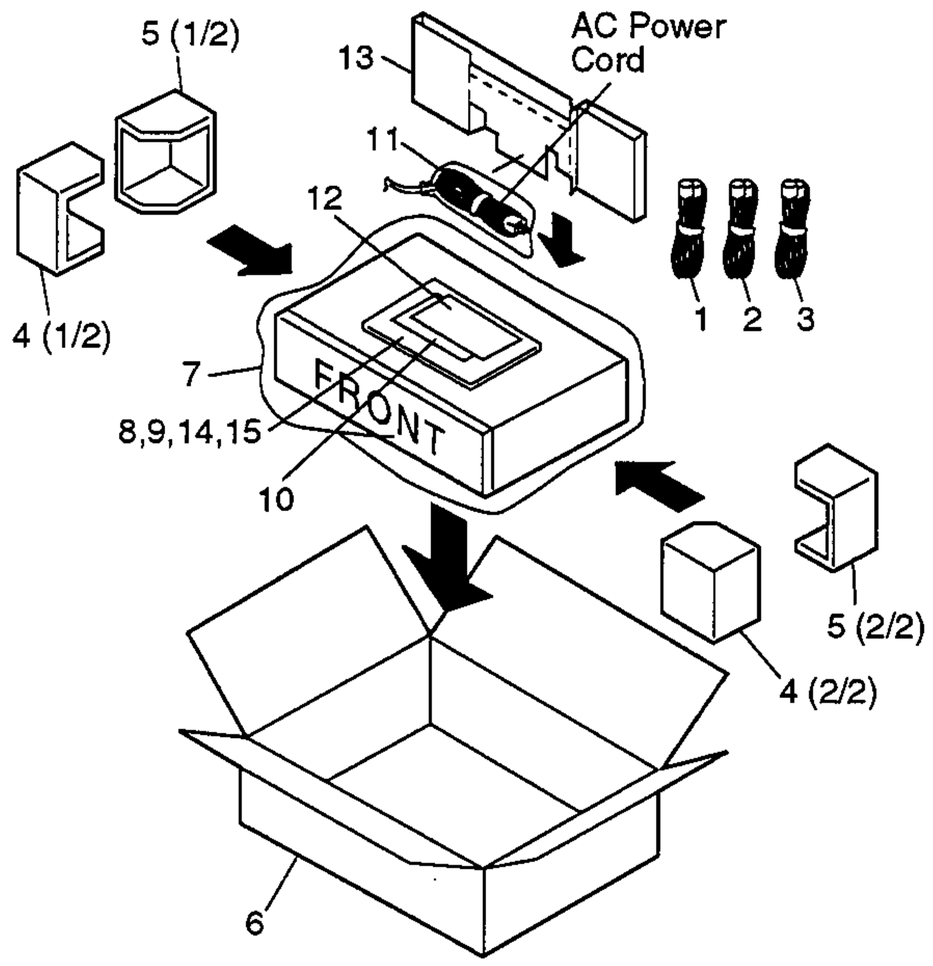
Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: • *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
• *The ⚠ 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.*
• *Screws adjacent to ▼ mark on the product are used for disassembly.*

2.1 PACKING



(1) PARTS LIST

Mark	No.	Description	Part No.
	1	Connection Cord with Pin Plug (L=0.9 m)	RDE1036
	2	Remote Control Cord (L=1.0 m)	PDE1267
	3	CD•Deck Synchro Control Cord (L=0.9 m)	RDE1044
	4	Pad F	RHA1219
	5	Pad R	RHA1236
	6	Packing Case	See Contrast table (2)
	7	Seat (750×600×0.5)	Z23-007
	8	Operating Instructions (German/Italian/Dutch/Swedish/Spanish/Portuguese)	See Contrast table (2)
	9	Operating Instructions (English/French)	See Contrast table (2)
NSP	10	Warranty Card	See Contrast table (2)
	11	Vinyl Bag	See Contrast table (2)
	12	Caution 220V Label	See Contrast table (2)
	13	Spacer	See Contrast table (2)
	14	Operating Instructions (English/Spanish/Chinese)	See Contrast table (2)
	15	Operating Instructions (English)	See Contrast table (2)

(2) CONTRAST TABLE

● For CT-W706DR and CT-05D

CT-W706DR/HYXJ,SDXJ and CT-05D/KUXJ/CA have the same construction except for the following :

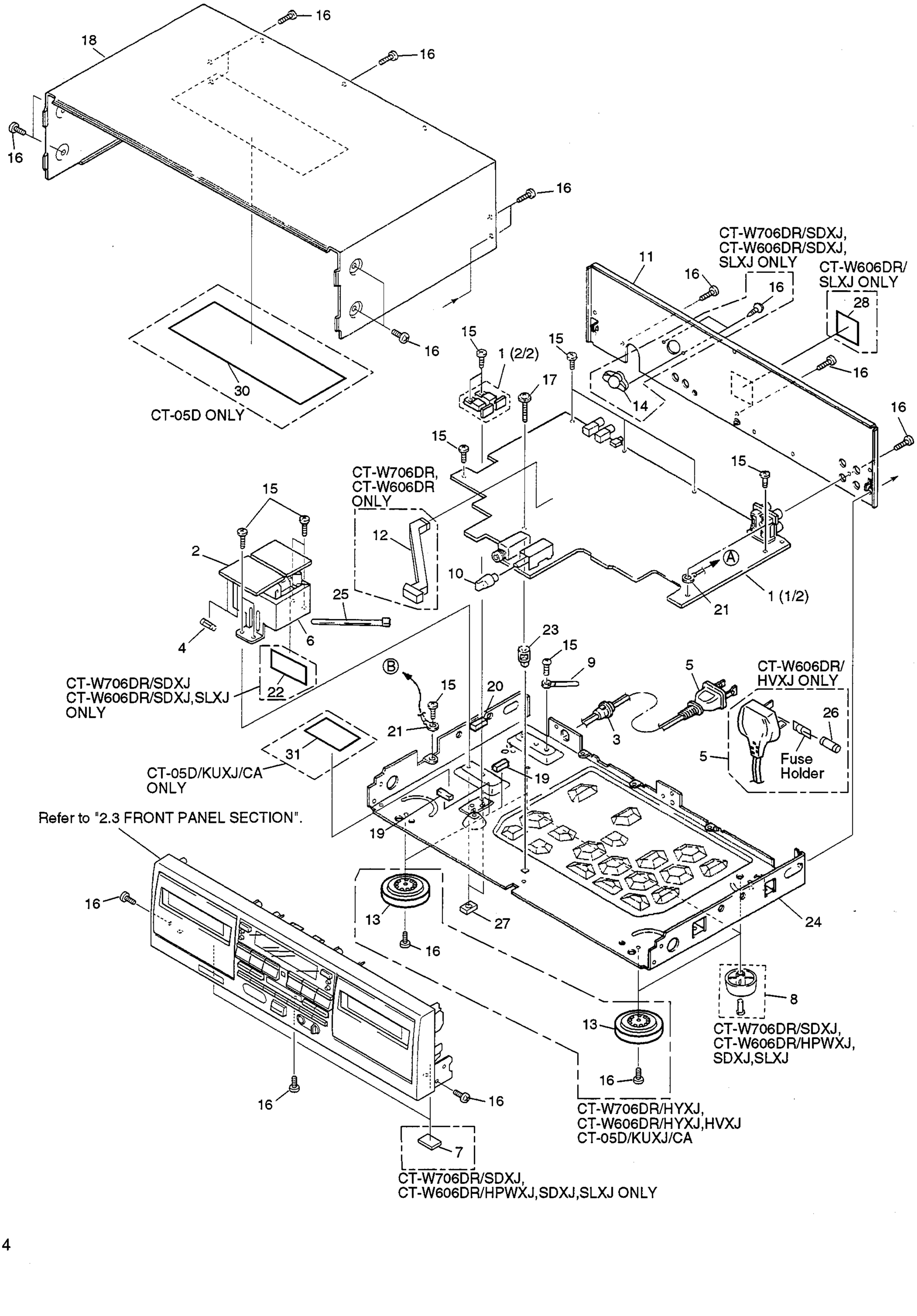
Mark	No.	Symbol and Description	Part No.			Remarks
			CT-W706DR		CT-05D	
			HYXJ	SDXJ	KUXJ/CA	
	6	Packing Case	RHG1807	RHG1825	RHG1808	
	8	Operating Instructions (German/Italian/Dutch/Swedish/Spanish/Portuguese)	RRD1190	Not used	Not used	
	9	Operating Instructions (English/French)	RRE1148	Not used	RRE1150	
NSP	10	Warranty Card	ARY7009	Not used	ARY7007	
	11	Vinyl Bag	Not used	Not used	Not used	
	12	Caution 220V Label	Not used	ARR1003	Not used	
	13	Spacer	Not used	Not used	Not used	
	14	Operating Instructions (English/Spanish/Chinese)	Not used	RRE1153	Not used	
	15	Operating Instructions (English)	Not used	Not used	Not used	

● For CT-W606DR

CT-W606DR/HYXJ,HVXJ, HPWXJ, SDXJ and SLXJ have the same construction except for the following :

Mark	No.	Symbol and Description	Part No.				Remarks
			CT-W606DR				
			HYXJ	HVXJ	HPWXJ	SDXJ, SLXJ	
	6	Packing Case	RHG1803	RHG1826	RHG1802	RHG1801	
	8	Operating Instructions (German/Italian/Dutch/Swedish/Spanish/Portuguese)	RRD1190	Not used	Not used	Not used	
	9	Operating Instructions (English/French)	RRE1148	Not used	Not used	Not used	
NSP	10	Warranty Card	ARY7009	ARY7009	PRY1003	Not used	
	11	Vinyl Bag	Not used	Z21-013	Not used	Not used	
	12	Caution 220V Label	Not used	Not used	Not used	ARR1003	
	13	Spacer	Not used	RHC1071	RHC1071	Not used	
	14	Operating Instructions (English/Spanish/Chinese)	Not used	Not used	Not used	RRE1153	
	15	Operating Instructions (English)	Not used	RRB1176	RRB1176	Not used	

2.2 EXTERIOR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18
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30
CT-05D ONLY
CT-W706DR/SDXJ,
CT-W606DR/SDXJ,
SLXJ ONLY
CT-W606DR/
SLXJ ONLY
11
16
16
28
15
1 (2/2)
17
15
14
16
15
CT-W706DR,
CT-W606DR
ONLY
15
12
15
2
10
25
1 (1/2)
21
A
23
15
9
5
CT-W606DR/
HVXJ ONLY
26
Fuse
Holder
5
4
6
B
15
20
3
CT-W706DR/SDXJ
CT-W606DR/SDXJ,SLXJ
ONLY
22
21
31
19
CT-05D/KUXJ/CA
ONLY
19
Refer to "2.3 FRONT PANEL SECTION".
16
13
27
24
16
8
13
16
CT-W706DR/SDXJ,
CT-W606DR/HPWXJ,
SDXJ,SLXJ
16
16
CT-W706DR/HYXJ,
CT-W606DR/HYXJ,HVXJ
CT-05D/KUXJ/CA
7
CT-W706DR/SDXJ,
CT-W606DR/HPWXJ,SDXJ,SLXJ ONLY

(1) PARTS LIST

Mark	No.	Description	Part No.
	1	MAIN Unit	See Contrast table (2)
NSP	2	TRANS Unit	See Contrast table (2)
⚠	3	Strain Relief	See Contrast table (2)
⚠	4	Fuse (FU1001, FU1002)	See Contrast table (2)
⚠	5	AC Power Cord	See Contrast table (2)
⚠	6	Power Transformer	See Contrast table (2)
	7	Sheet Rubber	See Contrast table (2)
	8	Foot Assy	See Contrast table (2)
	9	Cord Holder	RNH-184
	10	Rotary Knob	See Contrast table (2)
	11	Rear Panel	See Contrast table (2)
	12	Power Button P	See Contrast table (2)
	13	Insulator	See Contrast table (2)
⚠	14	Voltage Selector	See Contrast table (2)
	15	Screw	BBZ30P060FMC
	16	Screw	BBZ30P080FZK
	17	Screw	IBZ30P150FCC
	18	Bonnet	REA1254
NSP	19	Spacer (CR)	REB1267
	20	Spacer	REB1171
NSP	21	Earth Lead Wire	DE010VFO
NSP	22	Plate	See Contrast table (2)
NSP	23	PCB Spacer	PNY-404
NSP	24	Main Chassis	RNB1091
NSP	25	Binder	ZCA-T18S
⚠	26	Fuse (T5A) (For AC Power Cord)	See Contrast table (2)
	27	Disc Guard	REC1305
NSP	28	SISIR Registration	See Contrast table (2)
	29	•••••	
	30	65 Label	See Contrast table (2)
NSP	31	Fuse Caution Label	See Contrast table (2)

(2) CONTRAST TABLE

● For CT-W706DR and CT-05D

CT-W706DR/HYXJ,SDXJ and CT-05D/KUXJ/CA have the same construction except for the following :

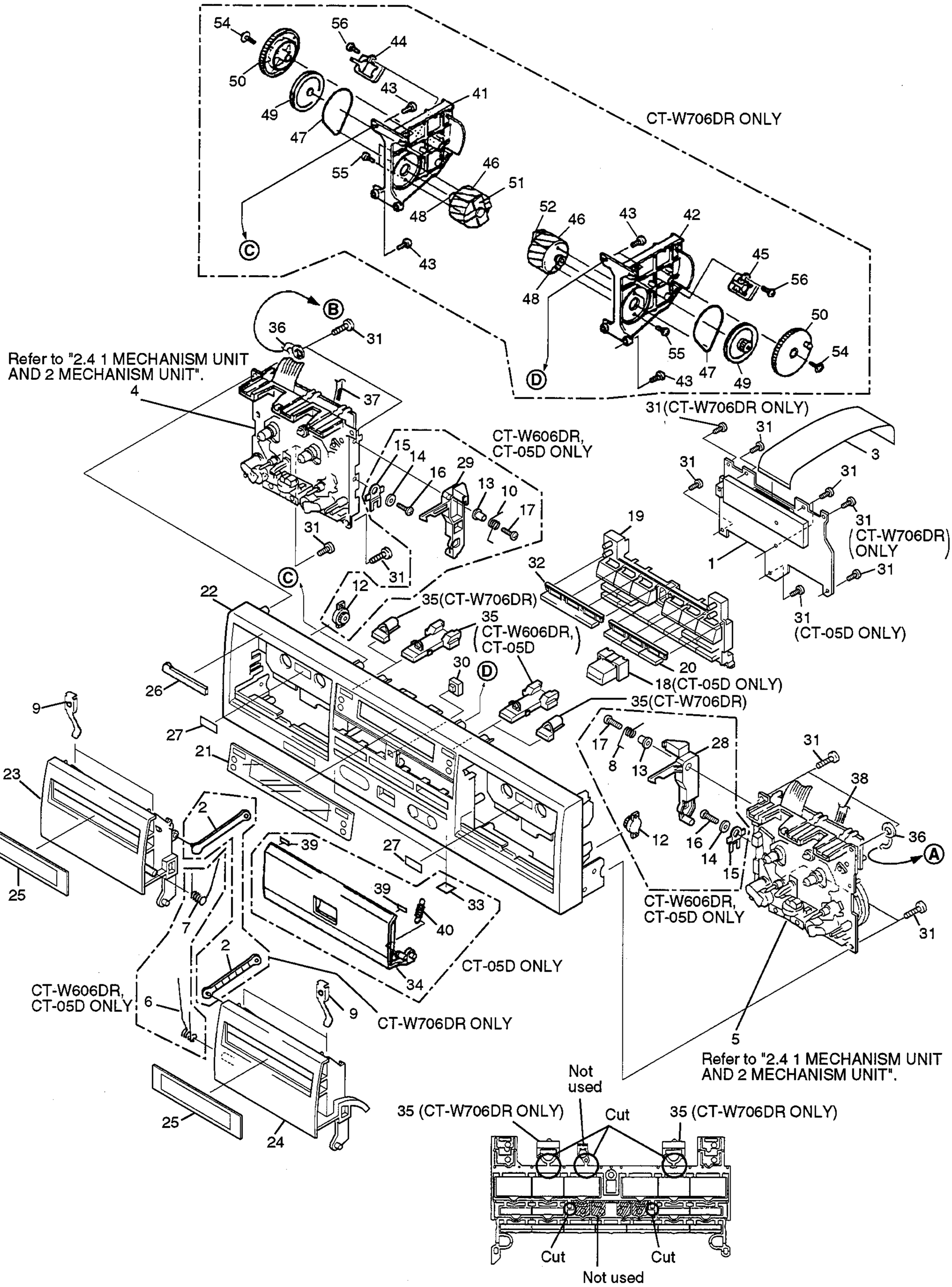
Mark	No.	Symbol and Description	Part No.			Remarks
			CT-W706DR		CT-05D	
			HYXJ	SDXJ	KUXJ/CA	
	1	MAIN Unit	RWZ4108	RWZ4111	RWZ4125	
NSP	2	TRANS Unit	RWZ4105	RWZ4112	RWZ4115	
⚠	3	Strain Relief	CM-22B	CM-22B	CM-22C	
⚠	4	Fuse (T1.6AL250V, FU1001,FU1002)	REK1024	REK1024	Not used	
⚠	4	Fuse (1.5A/250V, FU1001,FU1002)	Not used	Not used	REK1059	
⚠	5	AC Power Cord	PDG1058	ADG1157	PDG1015	
⚠	6	Power Transformer	RTT1334	RTT1335	RTT1333	
	7	Sheet Rubber	Not used	AEB1111	Not used	
	8	Foot Assy	Not used	AEC1531	Not used	
	10	Rotary Knob	RAC1903	RAC1903	Not used	
	10	Headphone Knob	Not used	Not used	VNK1262	
	11	Rear Panel	RNA2152	RNA2166	RNA2153	
	12	Power Button P	RAC2156	RAC2156	Not used	
	13	Insulator	PNW1912	Not used	PNW1912	
⚠	14	Voltage Selector (AC110V/120-127V/220V/230-240V)	Not used	RSB1022	Not used	
NSP	22	Plate	Not used	DEC1158	Not used	
	30	65 Label	Not used	Not used	ORW1069	
NSP	31	Fuse Caution Label	Not used	Not used	RRW-111	

● For CT-W606DR

CT-W606DR/HYXJ,HVXJ, HPWXJ, SDXJ and SLXJ have the same construction except for the following :

Mark	No.	Symbol and Description	Part No.					Remarks
			CT-W606DR					
			HYXJ	HVXJ	HPWXJ	SDXJ	SLXJ	
	1	MAIN Unit	RWZ4113	RWZ4113	RWZ4113	RWZ4117	RWZ4117	
NSP	2	TRANS Unit	RWZ4105	RWZ4105	RWZ4105	RWZ4112	RWZ4112	
⚠	3	Strain Relief	CM-22B	CM-22B	CM-22B	CM-22B	CM-22B	
⚠	4	Fuse (T1.6AL250V, FU1001,FU1002)	REK1024	REK1024	REK1024	REK1024	REK1024	
⚠	4	Fuse (1.5A/250V, FU1001,FU1002)	Not used	Not used	Not used	Not used	Not used	
⚠	5	AC Power Cord	PDG1058	PDG1055	ADG1159	ADG1157	PDG1058	
⚠	6	Power Transformer	RTT1334	RTT1334	RTT1334	RTT1335	RTT1335	
	7	Sheet Rubber	Not used	Not used	AEB1111	AEB1111	AEB1111	
	8	Foot Assy	Not used	Not used	AEC1531	AEC1531	AEC1531	
	10	Rotary Knob	RAC1903	RAC1903	RAC1903	RAC1903	RAC1903	
	10	Headphone Knob	Not used	Not used	Not used	Not used	Not used	
	11	Rear Panel	RNA2148	RNA2167	RNA2147	RNA2145	RNA2146	
	12	Power Button P	RAC2156	RAC2156	RAC2156	RAC2156	RAC2156	
	13	Insulator	PNW1912	PNW1912	Not used	Not used	Not used	
⚠	14	Voltage Selector (AC110V/120-127V/220V/230-240V)	Not used	Not used	Not used	RSB1022	RSB1022	
NSP	22	Plate	Not used	Not used	Not used	DEC1158	DEC1158	
⚠	26	Fuse (T5A) (For AC Power Cord)	Not used	PEK1003	Not used	Not used	Not used	
NSP	28	SISIR Registration	Not used	Not used	Not used	Not used	RRW1283	
	30	65 Label	Not used	Not used	Not used	Not used	Not used	

2.3 FRONT PANEL SECTION



(1) PARTS LIST for CT-W706DR

Mark	No.	Description	Part No.
	1	SUBB Unit	RWZ4109
	2	Joint Arm	RNK2243
	3	Lead Card 33P	RDD1372
	4	1 Mechanism Unit (P)	RYM1261
	5	2 Mechanism Unit (R/P)	RYM1262
	6	•••••	
	7	•••••	
	8	•••••	
	9	Half Pressure Spring	RBK1004
	10	•••••	
	11	•••••	
	12	•••••	
	13	•••••	
	14	•••••	
	15	•••••	
	16	•••••	
	17	•••••	
	18	•••••	
	19	Function Button A	RAC2172
	20	Function Button B	RAC2173
	21	FL Lens	See Contrast table (2)
	22	Front Panel	See Contrast table (2)
	23	Door Pocket L	RAH2792
	24	Door Pocket R	RAH2793
	25	Door Lens	RAH2782
	26	Name Plate	PAM1608
	27	Remain Display Paper	REE-113
	28	•••••	
	29	•••••	
	30	Indicator Lens	RAC2157
	31	Screw	BBZ30P080FZK
	32	Function Button C	RAC2154
	33	•••••	
	34	•••••	
	35	Eject Button	REA1267
NSP	36	Earth Lead Wire	DE010VFO
	37	Connector Assy 3P	RKP1678
	38	Connector Assy 5P	RKP1677
	39	•••••	
	40	•••••	
	41	Loading Base Assy 1	RXA1741
	42	Loading Base Assy 2	RXA1750
	43	Screw	BBZ30P100FMC
NSP	44	EJECT 1 Unit	RWZ4123
NSP	45	EJECT 2 Unit	RWZ4124
	46	DC Motor / 0.75W	PXM1010
	47	Rubber Belt	PEB1127
	48	Motor Pulley	PNW1634
	49	Pulley Gear	RNK1517
	50	Arm Gear	RNK2242
NSP	51	MOTOR 1 Unit	RWZ4191
NSP	52	MOTOR 2 Unit	RWZ4192
	53	•••••	
	54	Screw	IPZ20P080FMC
	55	Screw	BMZ26P040FMC
	56	Screw	BBZ26P060FMC

(2) CONTRAST TABLE for CT-W706DR

CT-W706DR/HYXJ and SDXJ have the same construction except for the following :

Mark	No.	Symbol and Description	Part No.		Remarks
			CT-W706DR		
			HYXJ	SDXJ	
	21	FL Lens	RAH2810	RAH2809	
	22	Front Panel	RAH2800	RAH2828	

(3) PARTS LIST for CT-W606DR and CT-05D

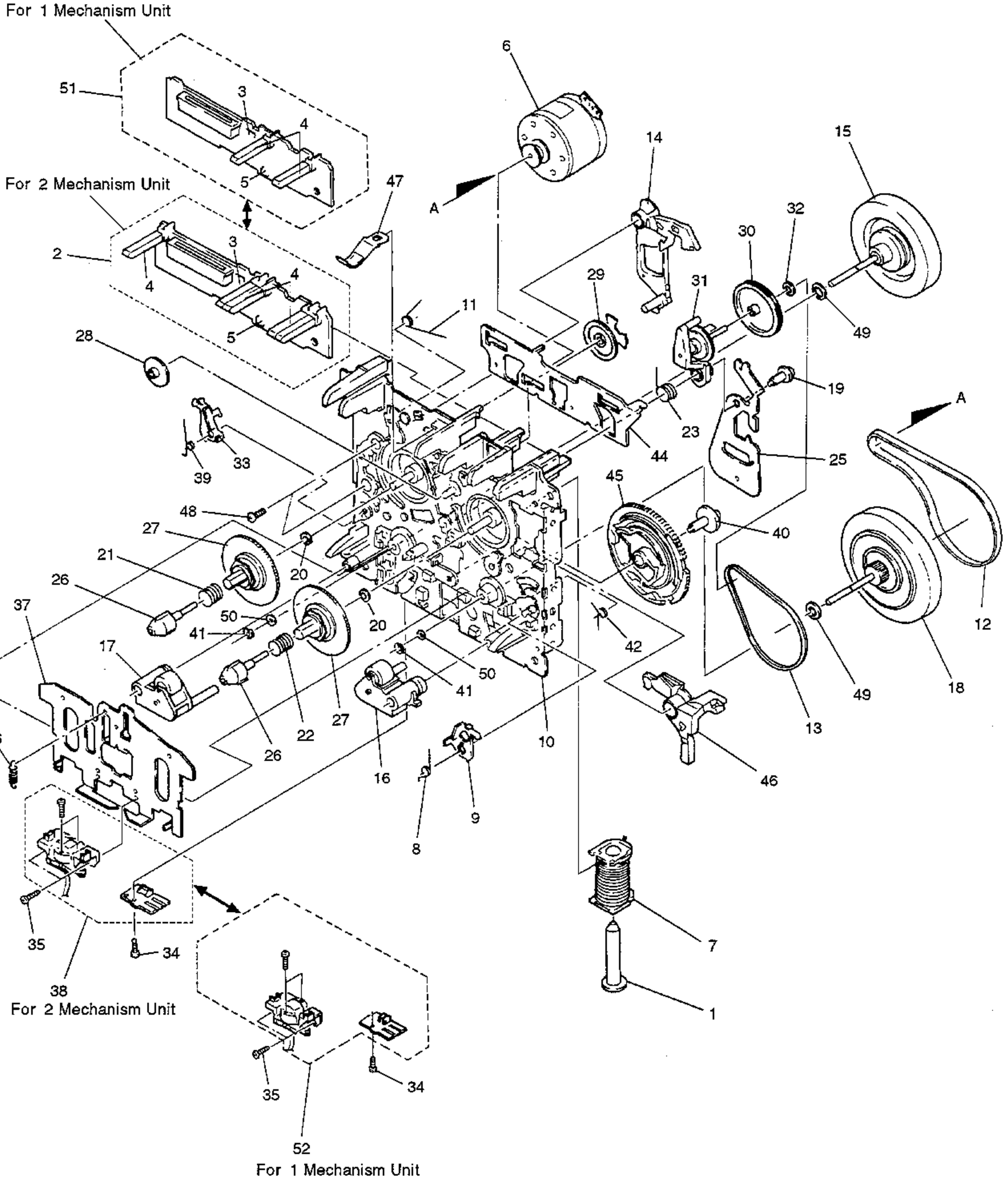
Mark	No.	Description	Part No.
	1	SUBB Unit	See Contrast table (4)
	2	•••••	
	3	Lead Card 33P	RDD1372
	4	1 Mechanism Unit (P)	RYM1261
	5	2 Mechanism Unit (R/P)	RYM1262
	6	Door Spring L	RBH1304
	7	Door Spring R	RBH1305
	8	Eject Spring L	RBH1441
	9	Half Pressure Spring	RBK1004
	10	Eject Spring R	RBH1442
	11	•••••	
	12	Damper Assy	REC1267
	13	Eject Collar	RLA1283
	14	Arm Collar	RLA1290
	15	Eject Arm	RNE1909
	16	Screw	BCZ26P050FMC
	17	Screw	BSZ26P120FMC
	18	Power Button	See Contrast table (4)
	19	Function Button A	RAC2172
	20	Function Button B	RAC2173
	21	FL Lens	See Contrast table (4)
	22	Front Panel	See Contrast table (4)
	23	Door Pocket L	See Contrast table (4)
	24	Door Pocket R	See Contrast table (4)
	25	Door Lens	RAH2782
	26	Name Plate	PAM1608
	27	Remain Display Paper	REE-113
	28	Eject Lever L	RNK2246
	29	Eject Lever R	RNK2247
	30	Indicator Lens	RAC2157
	31	Screw	BBZ30P080FZK
	32	Function Button C	RAC2154
	33	Cushion	See Contrast table (4)
	34	Sealing Panel	See Contrast table (4)
	35	Eject Button	RAC2158
NSP	36	Earth Lead Wire	DE010VFO
	37	Connector Assy 3P	RKP1678
	38	Connector Assy 5P	RKP1677
	39	Cushion	See Contrast table (4)
	40	Sealing Spring	See Contrast table (4)
	41	•••••	
	42	•••••	
	43	•••••	
	44	•••••	
	45	•••••	
	46	•••••	
	47	•••••	
	48	•••••	
	49	•••••	
	50	•••••	
	51	•••••	
	52	•••••	
	53	•••••	
	54	•••••	
	55	•••••	
	56	•••••	

(4) CONTRAST TABLE for CT-W606DR and CT-05D

CT-W606DR/HYXJ, HVXJ, HPWXJ, SDXJ, SLXJ and CT-05D/KUXJ/CA have the same construction except for the following :

Mark	No.	Symbol and Description	Part No.			Remarks
			CT-W606DR		CT-05D	
			HYXJ, HVXJ	HPWXJ, SDXJ, SLXJ	KUXJ/CA	
	1	SUBB Unit	RWZ4114	RWZ4114	RWZ4107	
	18	Power Button	Not used	Not used	RAC2179	
	21	FL Lens	RAH2811	RAH2808	RAH2808	
	22	Front Panel	RAH2803	RAH2826	RAH2819	
	23	Door Pocket L	RAH2792	RAH2792	RAH2797	
	24	Door Pocket R	RAH2793	RAH2793	RAH2798	
	33	Cushion	Not used	Not used	PDE-049	
	34	Sealing Panel	Not used	Not used	RAH2799	
	39	Cushion	Not used	Not used	RED1040	
	40	Sealing Spring	Not used	Not used	RBH1439	

2.4 1 MECHANISM AND 2 MECHANISM UNITS



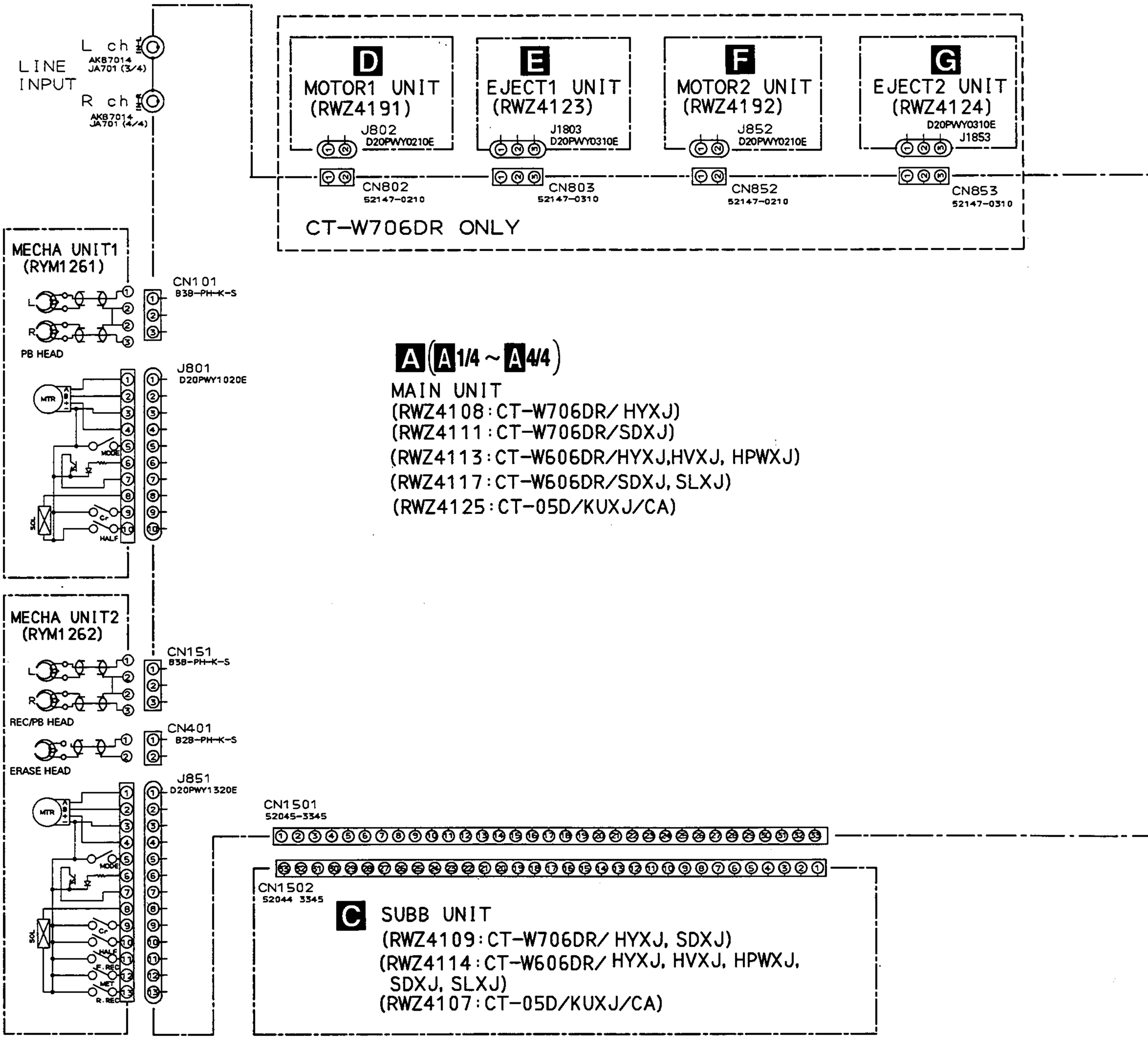
Parts List

Mark	No.	Description	Part No.
	1	Plunger	RLA1288
	2	PCB Control Block (For 2 Mechanism Unit)	RXA1733
	3	Push Switch	RSG1018
	4	SPLF	RSN1023
	5	Photo-Transistor	SPI33534FG
	6	MTR Main Block	RXM1075
	7	Solenoid Block	RXP1021
	8	Spring Interlock R	RBH1386
	9	Arm Interlock R	RNE1751
	10	Chassis Base Block	RXA1626
	11	Spring Brake	RBH1387
	12	Main Belt	REB1157
	13	F/R Belt	REB1254
	14	Lever Brake	RNK2071
	15	F/W Assy	RXA1295
	16	Pinch Roller Block R	RXA1628
	17	Pinch Roller Block L	RXA1629
	18	Clutch Block Assy	RXA1631
	19	Screw	RBA1120
	20	Washer	W41D065D025
	21	Spring Reel (L)	RBH1388
	22	Spring Reel (R)	RBH1389
	23	Cam Spring	RBH1393
	24	•••••	
	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 Block Assy	RXA1632
	32	Washer	WA17D040D025
	33	Arm Interlock L	RNE1780
	34	Screw	PCZ20P040FMC
	35	Screw	PMZ20P060FMC
	36	Spring HB	RBH1390
	37	Head Base	RNE1783
	38	Plate HD Block (For 2 Mechanism Unit)	RXA1683
	39	Spring Interlock L	RBH1385
	40	Screw	RBA1121
	41	Stop Ring	YE15FUC
	42	Spring Arm Play	RBH1392
	43	•••••	
	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
	51	PCB Control Block (For 1 Mechanism Unit)	RXA1623
	52	Plate HD Block (For 1 Mechanism Unit)	RXA1682

3. SCHEMATIC DIAGRAM

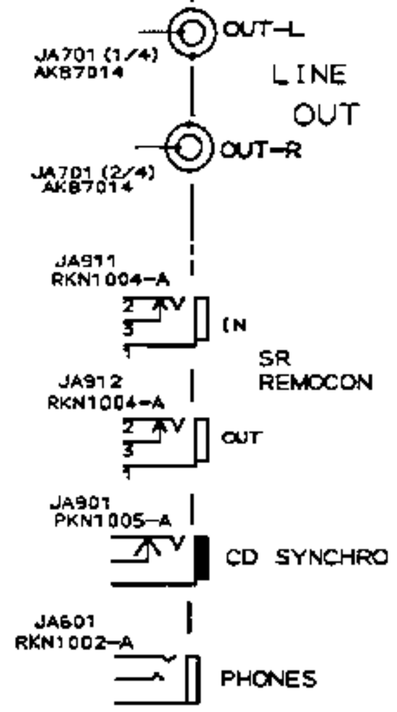
3.1 OVERALL WIRING DIAGRAM

Note : When ordering service parts, be sure to refer to
"EXPLODED VIEWS AND PARTS LIST" or "PCB PARTS LIST"

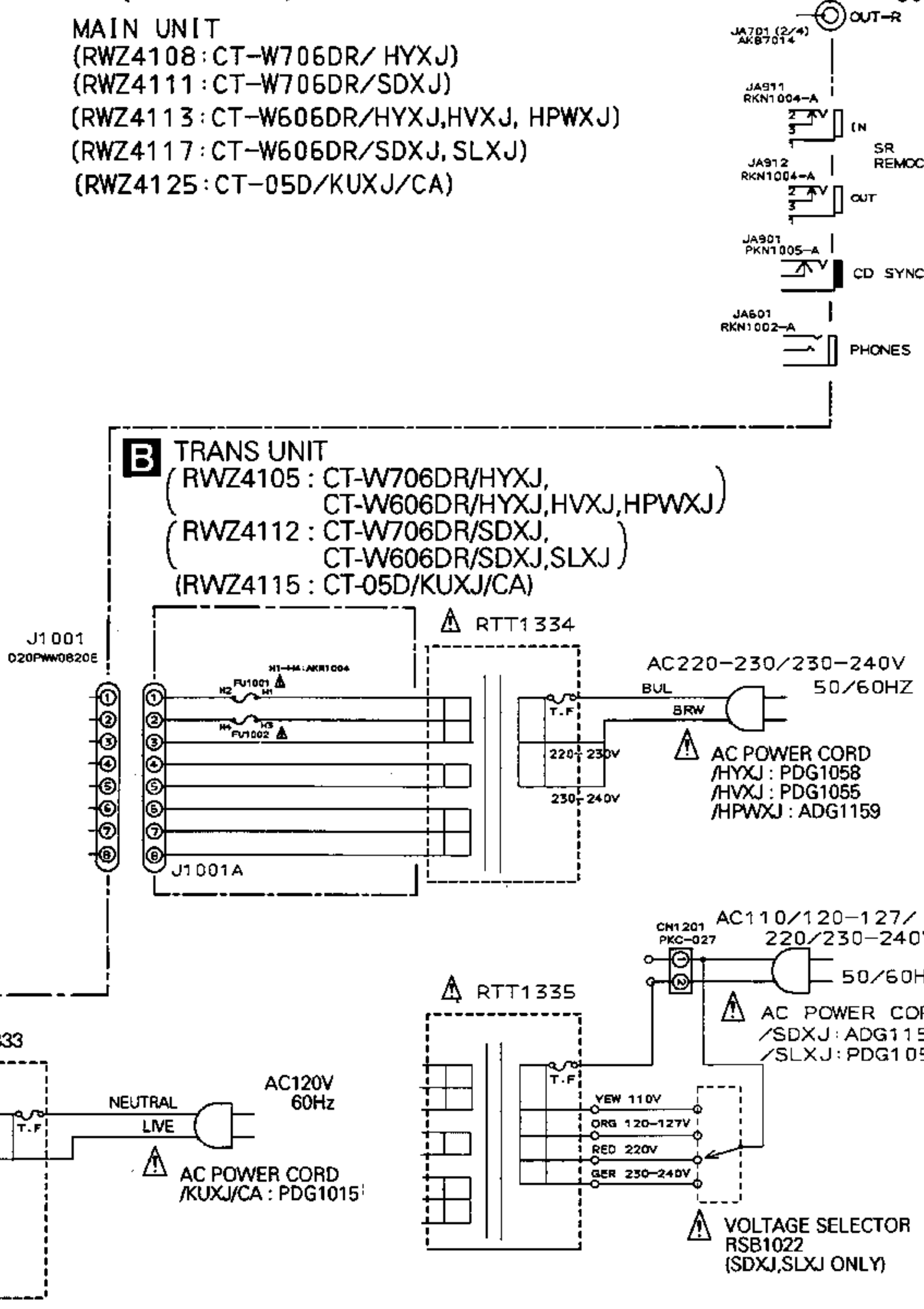


A (**A** 1/4 ~ **A** 4/4)

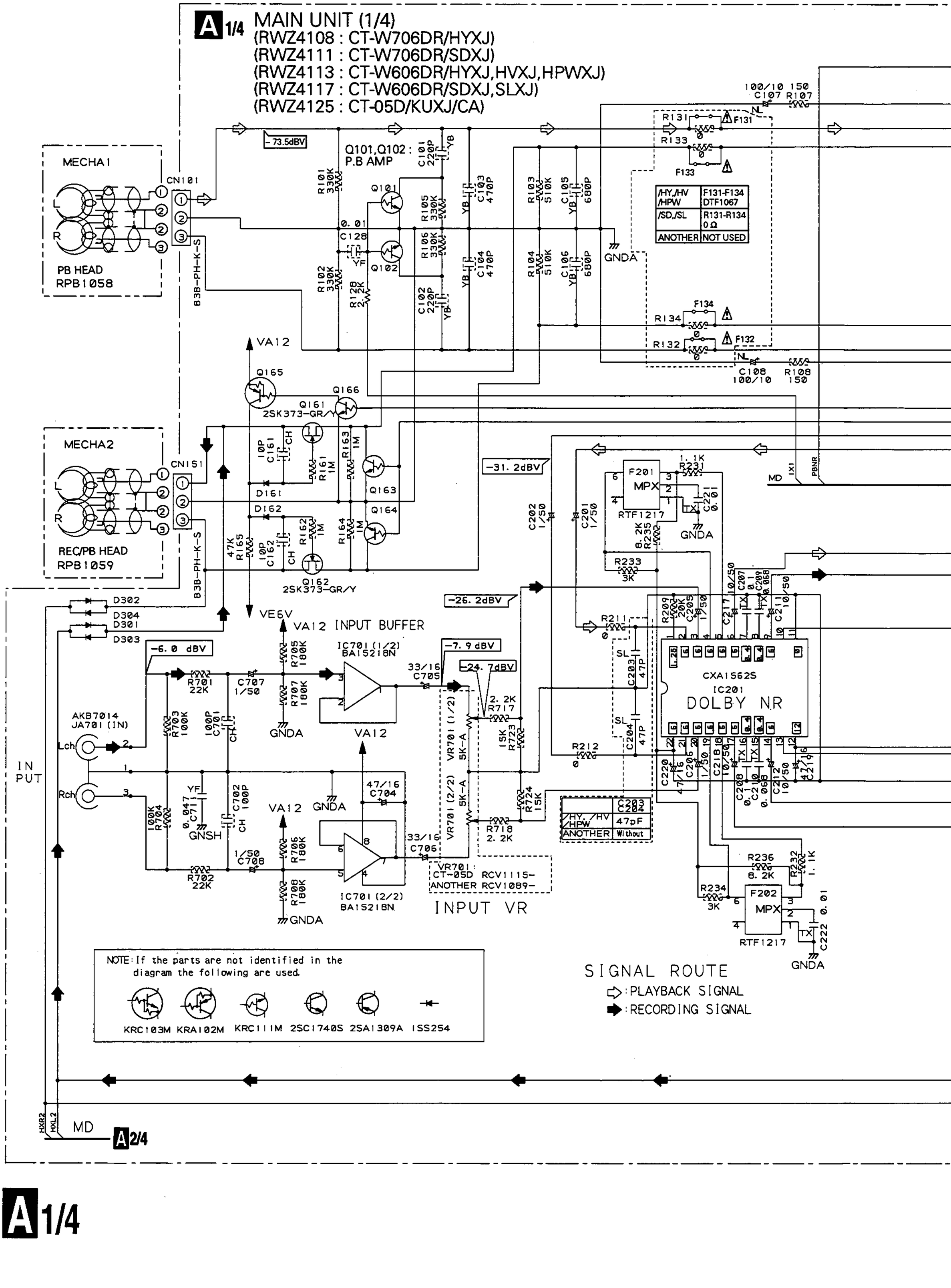
MAIN UNIT
(RWZ4108 : CT-W706DR/ HYXJ)
(RWZ4111 : CT-W706DR/SDXJ)
(RWZ4113 : CT-W606DR/HYXJ,HVXJ, HPWXJ)
(RWZ4117 : CT-W606DR/SDXJ, SLXJ)
(RWZ4125 : CT-05D/KUXJ/CA)

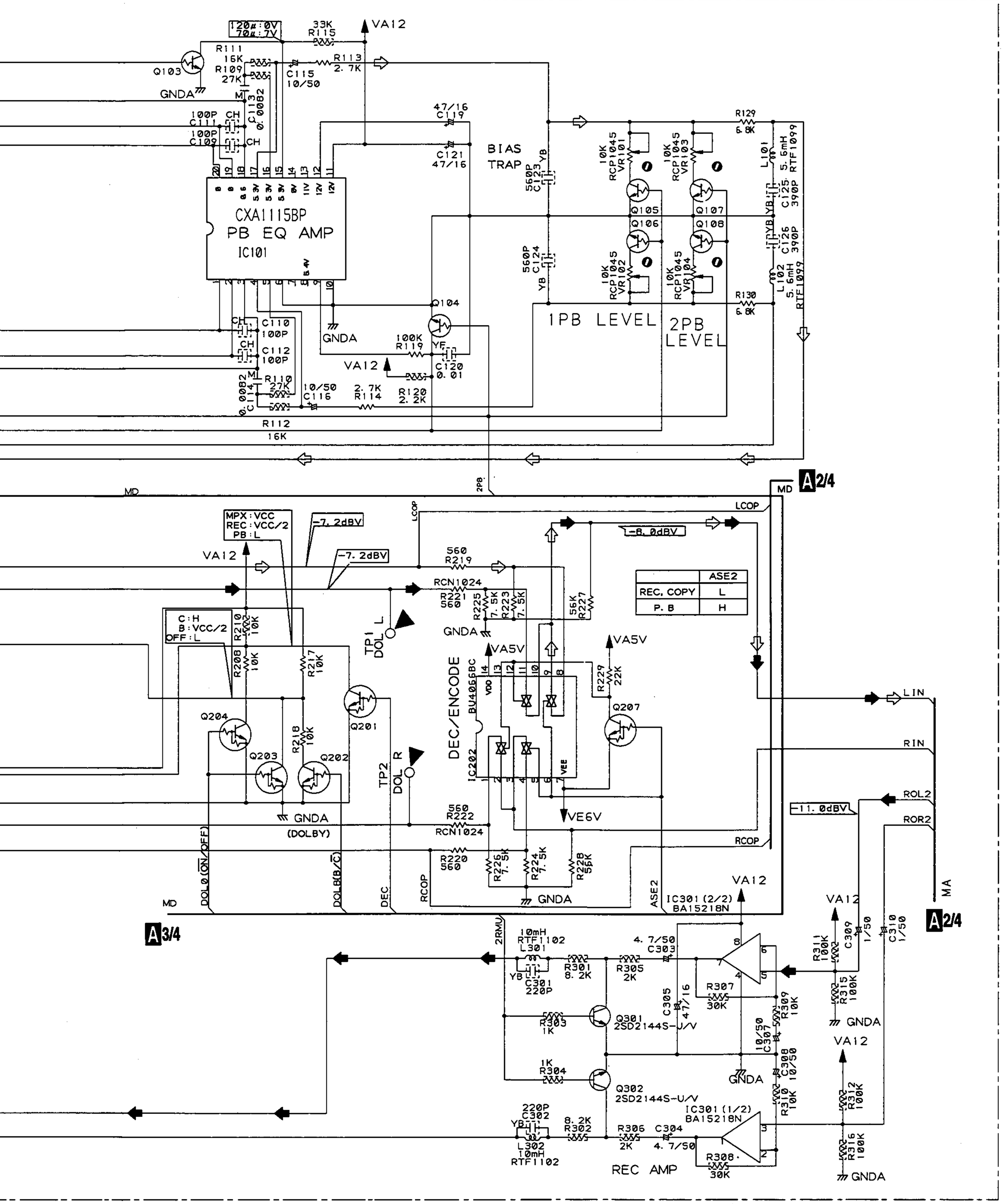


B TRANS UNIT
(RWZ4105 : CT-W706DR/HYXJ, CT-W606DR/HYXJ,HVXJ,HPWXJ)
(RWZ4112 : CT-W706DR/SDXJ, CT-W606DR/SDXJ,SLXJ)
(RWZ4115 : CT-05D/KUXJ/CA)

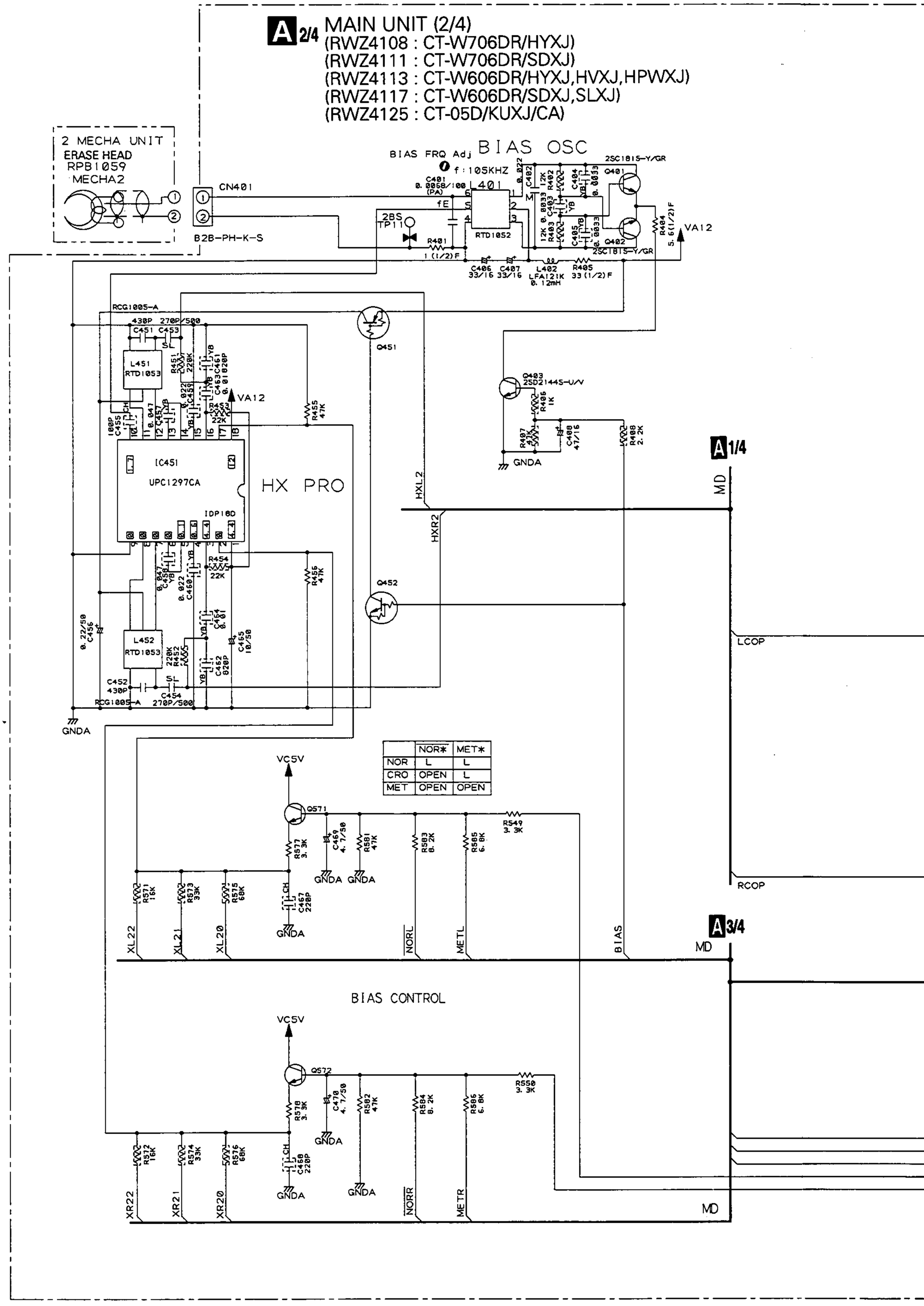


3.2 MAIN UNIT (1/4)




120μ:0V
70μ:7V
33K
R115
VA12
R111
16K
R109
27K
R113
2.7K
Q103
C115
10/50
GNDA
C113
0.0082
100P
C111
CH
100P
C109
CH
47/16
C119
C121
47/16
BIAS
TRAP
560P
C123
YB
10K
RCP1045
VR101
10K
RCP1045
VR103
R129
5.8K
L101
5.6mH
RTF1099
C125
390P
YB
Q105
Q106
Q107
Q108
560P
C124
YB
10K
RCP1045
VR102
10K
RCP1045
VR104
L102
5.6mH
RTF1099
C126
390P
R130
5.8K
1PB LEVEL
2PB
LEVEL
CXA1115BP
PB EQ AMP
IC101
Q104
C110
100P
CH
C112
100P
CH
0.0082
C114
R110
27K
10/50
C116
2.7K
R114
R120
2.2K
100K
R119
YF
C120
0.01
VA12
GNDA
R112
16K
2PB
MD
A2/4
MD
MPX:VCC
REC:VCC/2
PB:L
VA12
-7.2dBV
-7.2dBV
LCOP
-8.0dBV
560
R219
RCN1024
R221
560
R225
7.5K
R223
7.5K
56K
R227
GNDA
TP1
DOL L
C:H
B:VCC/2
OFF:L
R210
10K
R208
10K
R217
10K
VA5V
VA5V
DEC/ENCODE
BU4066BC
IC202
R229
22K
Q204
Q203
Q202
Q201
Q207
R218
10K
TP2
DOL R
GNDA
(DOLBY)
560
R222
RCN1024
VE6V
R220
560
R226
7.5K
R224
7.5K
R228
5.6K
GNDA
DOL0(ON/OFF)
DOL8(B/C)
DEC
RCOP
ASE2
IC301(2/2)
BA15218N
VA12
LIN
RIN
ROL2
ROR2
-11.0dBV
RCOP
MA
A2/4
A3/4
2RMU
10mH
RTF1102
L301
YB
C301
220P
R301
8.2K
R305
2K
4.7/50
C303
R307
30K
R309
10K
C305
47/16
10/50
C307
C308
10/50
R310
10K
R311
100K
C309
1/50
C310
1/50
R315
100K
GNDA
VA12
R312
100K
R316
100K
GNDA
R303
1K
Q301
2SD2144S-U/V
1K
R304
Q302
2SD2144S-U/V
GNDA
220P
C302
YB
8.2K
R302
L302
10mH
RTF1102
R306
2K
C304
4.7/50
IC301(1/2)
BA15218N
R308
30K
REC AMP
ASE2
REC, COPY L
P.B H

3.3 MAIN UNIT (2/4)



	NOR*	MET*
NOR	L	L
CRO	OPEN	L
MET	OPEN	OPEN

SIGNAL ROUTE
⇨:PLAYBACK SIGNAL
➡:RECORDING SIGNAL

DSP
IC2511
AK7712-VQ

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

KRC103M KRA102M 2SC1740S 1SS254

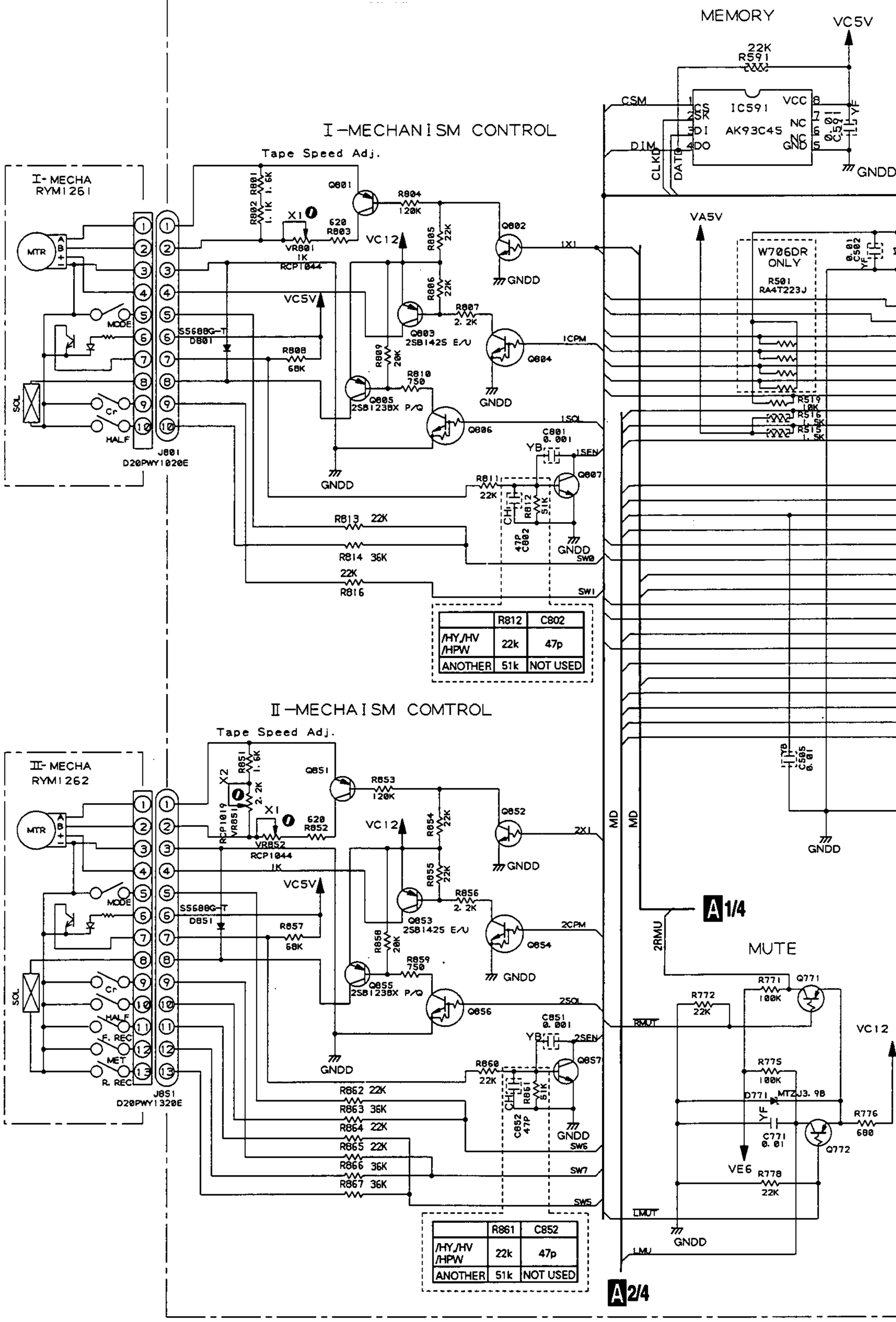
	ASE3
REC:COPY	H
PB	L

D/A CONVERTER

H. P AMP

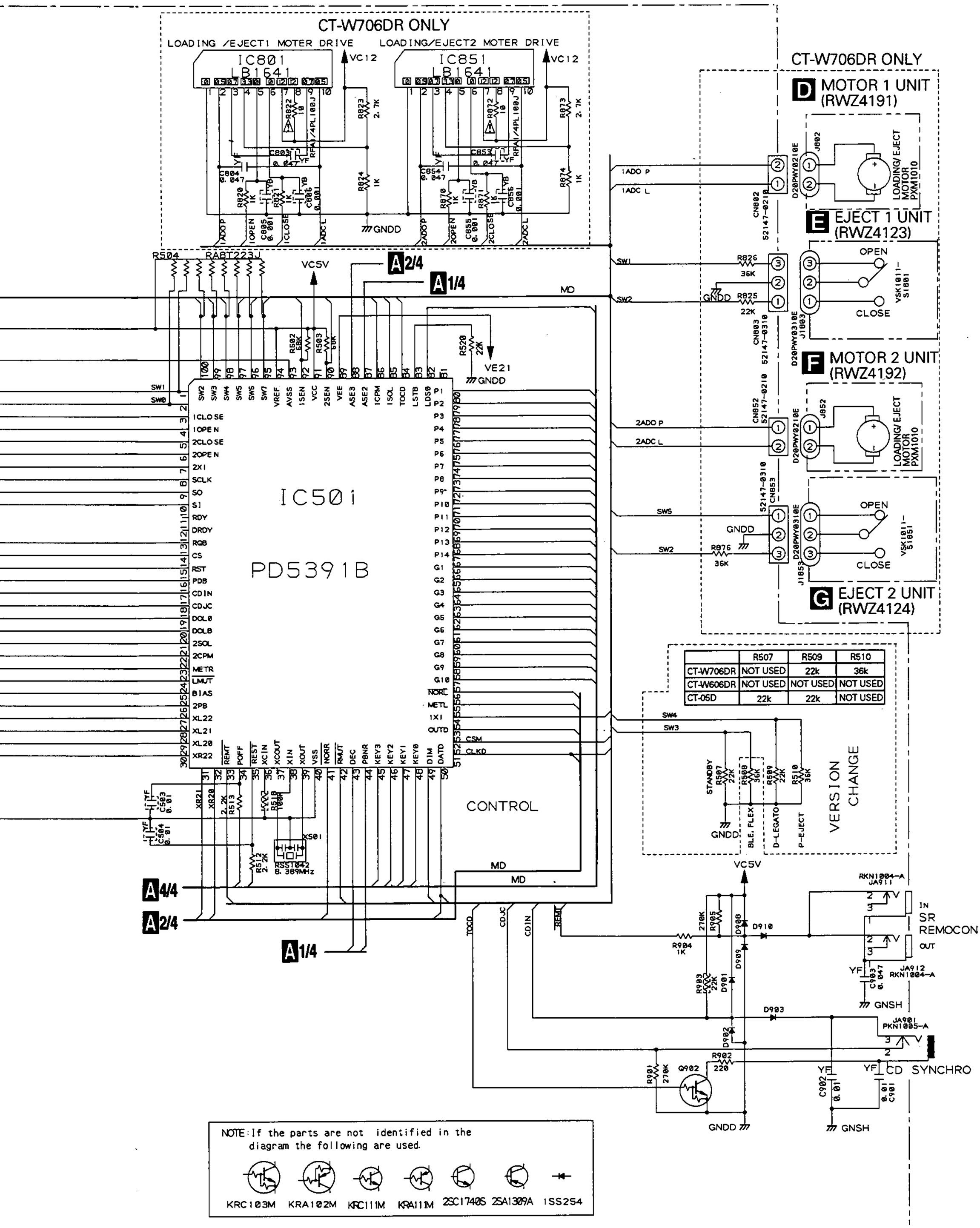
3.4 MAIN UNIT (3/4), MOTOR 1, MOTOR 2, EJECT 1 AND EJECT 2 UNITS

A 3/4 MAIN UNIT (3/4)
(RWZ4108 : CT-W706DR/HYXJ)
(RWZ4111 : CT-W706DR/SDXJ)
(RWZ4113 : CT-W606DR/HYXJ,HVXJ,HPWXJ)
(RWZ4117 : CT-W606DR/SDXJ,SLXJ)
(RWZ4125 : CT-05D/KUXJ/CA)



	R812	C802
/HY,/HV /HPW	22k	47p
ANOTHER	51k	NOT USED

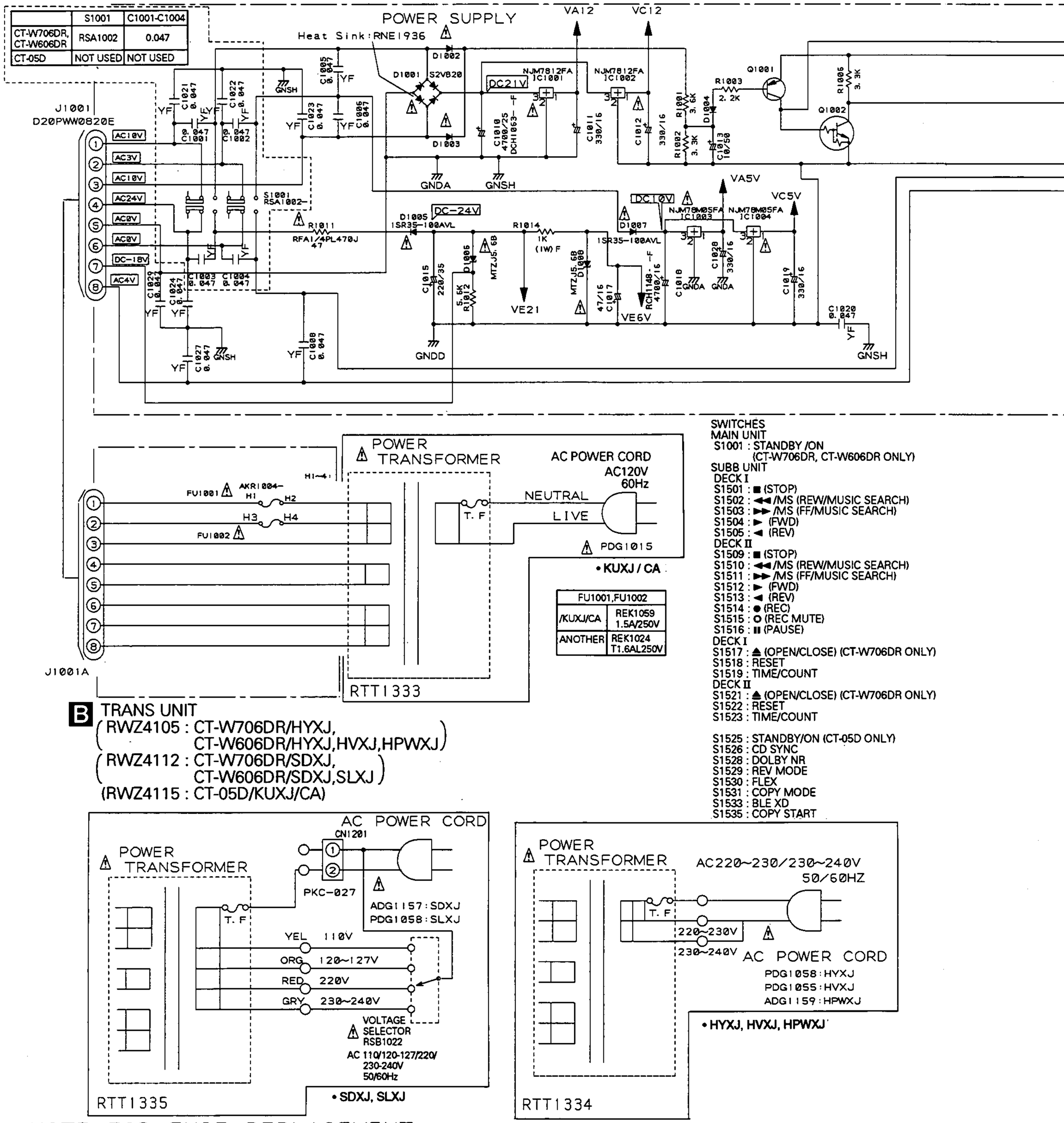
	R861	C852
/HY,/HV /HPW	22k	47p
ANOTHER	51k	NOT USED



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

KRC103M KRA102M KRC111M KRA111M 2SC1740S 2SA1309A 1SS254

3.5 MAIN UNIT (4/4), SUBB AND TRANS UNITS



	S1001	C1001-C1004
CT-W706DR, CT-W606DR	RSA1002	0.047
CT-05D	NOT USED	NOT USED

FU1001,FU1002	
/KUXJ/CA	REK1059 1.5A/250V
ANOTHER	REK1024 T1.6AL250V

SWITCHES
MAIN UNIT
S1001 : STANDBY /ON
(CT-W706DR, CT-W606DR ONLY)
SUBB UNIT
DECK I
S1501 : ■ (STOP)
S1502 : ◀◀ /MS (REW/MUSIC SEARCH)
S1503 : ▶▶ /MS (FF/MUSIC SEARCH)
S1504 : ▶ (FWD)
S1505 : ◀ (REV)
DECK II
S1509 : ■ (STOP)
S1510 : ◀◀ /MS (REW/MUSIC SEARCH)
S1511 : ▶▶ /MS (FF/MUSIC SEARCH)
S1512 : ▶ (FWD)
S1513 : ◀ (REV)
S1514 : ● (REC)
S1515 : ○ (REC MUTE)
S1516 : ❚❚ (PAUSE)
DECK I
S1517 : ⏏ (OPEN/CLOSE) (CT-W706DR ONLY)
S1518 : RESET
S1519 : TIME/COUNT
DECK II
S1521 : ⏏ (OPEN/CLOSE) (CT-W706DR ONLY)
S1522 : RESET
S1523 : TIME/COUNT

S1525 : STANDBY/ON (CT-05D ONLY)
S1526 : CD SYNC
S1528 : DOLBY NR
S1529 : REV MODE
S1530 : FLEX
S1531 : COPY MODE
S1533 : BLE XD
S1535 : COPY START

B TRANS UNIT
(RWZ4105 : CT-W706DR/HYXJ, CT-W606DR/HYXJ,HVXJ,HPWXJ)
(RWZ4112 : CT-W706DR/SDXJ, CT-W606DR/SDXJ,SLXJ)
(RWZ4115 : CT-05D/KUXJ/CA)

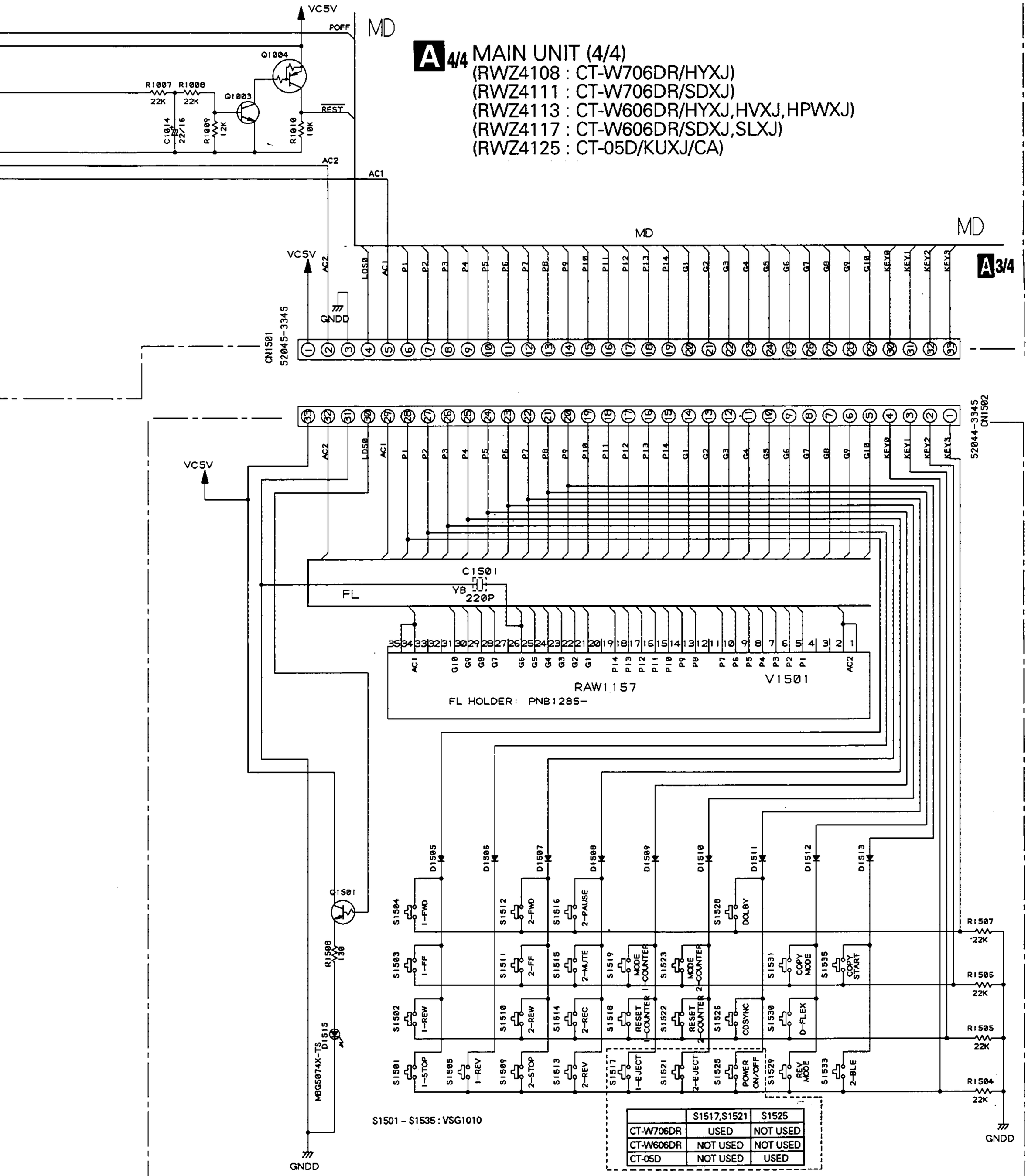
● NOTE FOR FUSE REPLACEMENT

CAUTION-FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

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

A 4/4 MAIN UNIT (4/4)

(RWZ4108 : CT-W706DR/HYXJ)
(RWZ4111 : CT-W706DR/SDXJ)
(RWZ4113 : CT-W606DR/HYXJ,HVXJ,HPWXJ)
(RWZ4117 : CT-W606DR/SDXJ,SLXJ)
(RWZ4125 : CT-05D/KUXJ/CA)



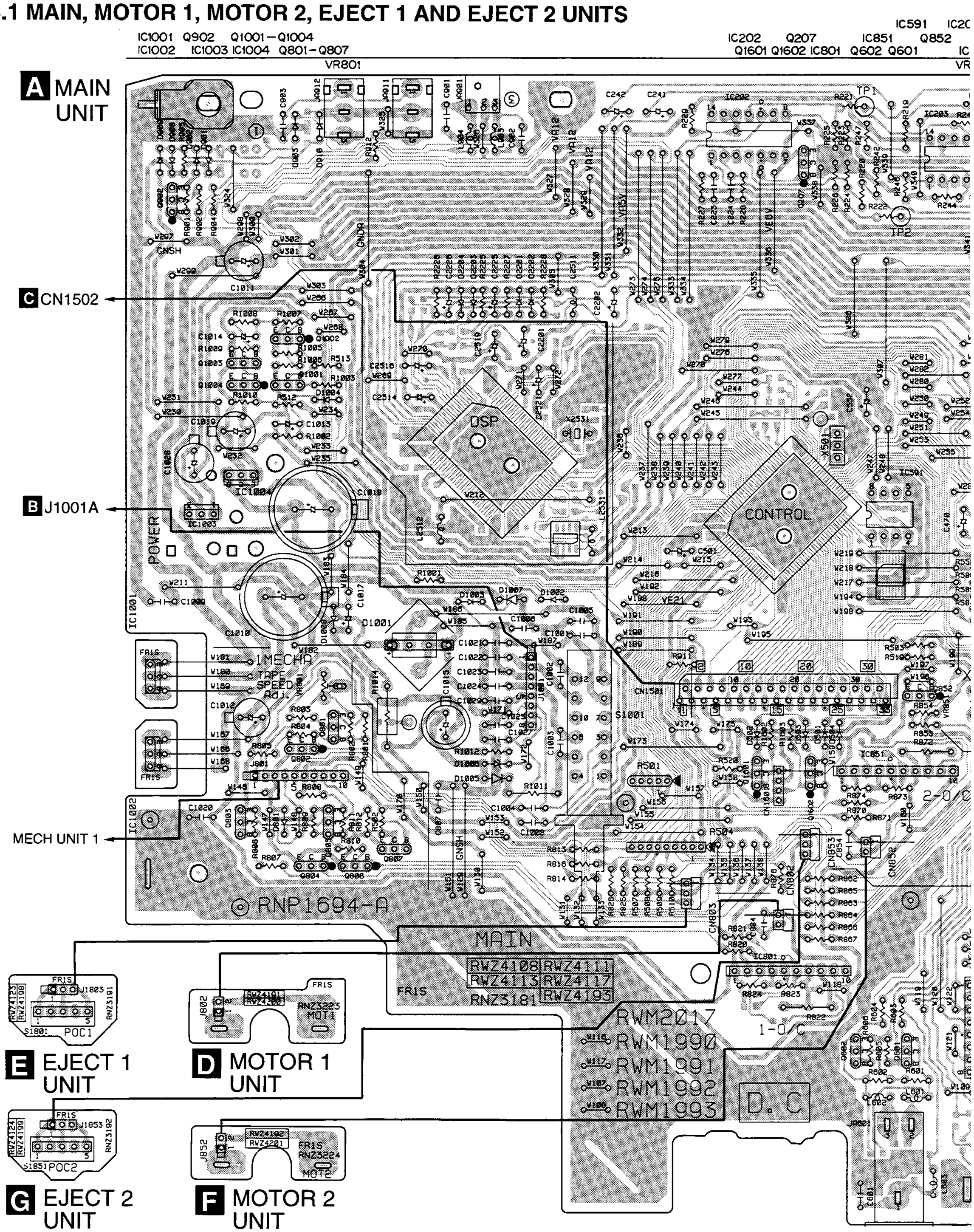
	S1517,S1521	S1525
CT-W706DR	USED	NOT USED
CT-W606DR	NOT USED	NOT USED
CT-05D	NOT USED	USED

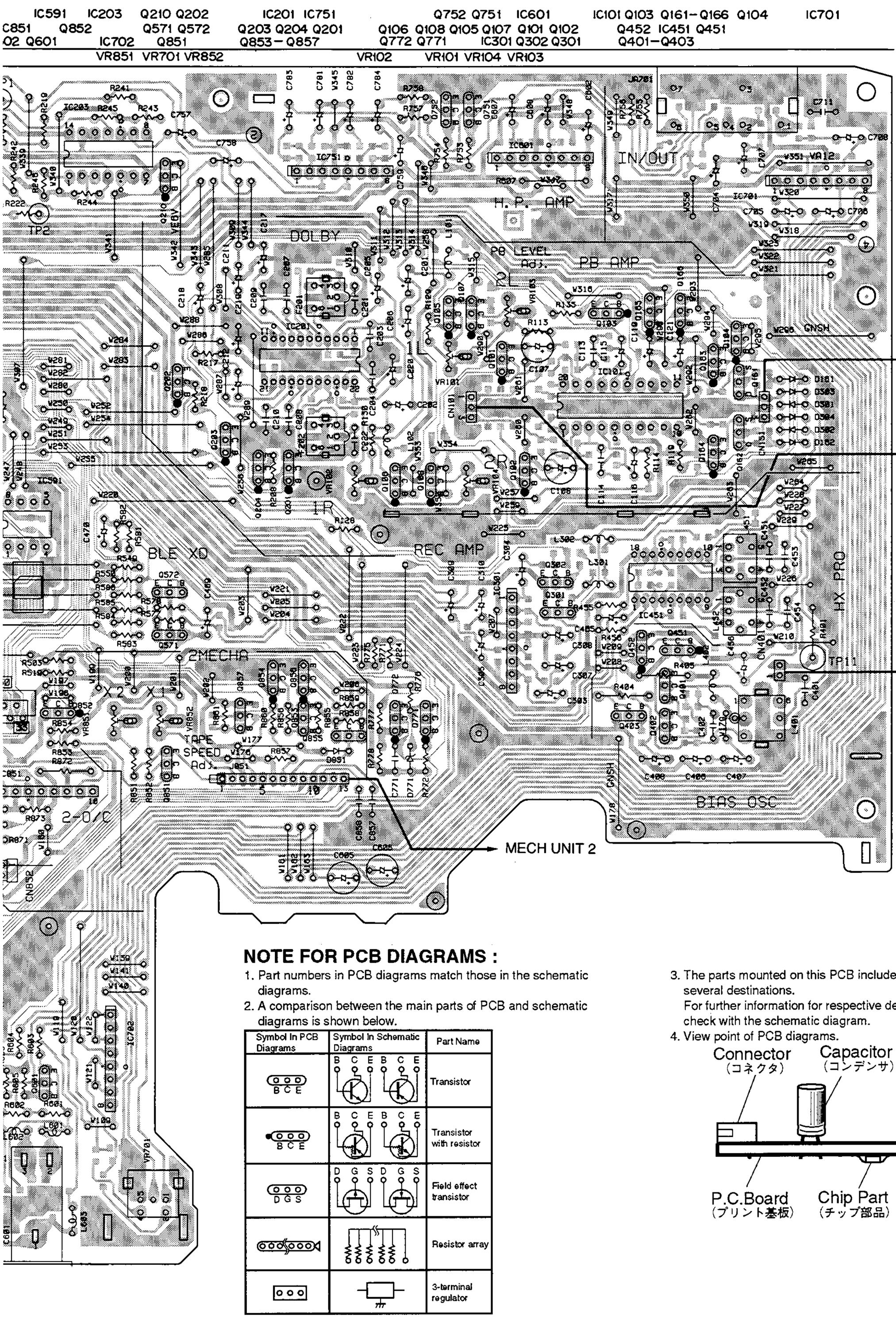
C SUBB UNIT

(RWZ4109 : CT-W706DR/HYXJ,SDXJ)
(RWZ4114 : CT-W606DR/HYXJ,HVXJ,HPWXJ,SDXJ,SLXJ)
(RWZ4107 : CT-05D/KUXJ/CA)

4. PCB CONNECTION DIAGRAM

4.1 MAIN, MOTOR 1, MOTOR 2, EJECT 1 AND EJECT 2 UNITS



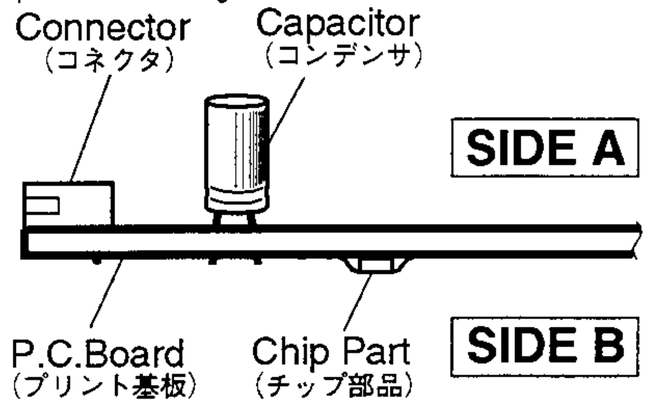


NOTE FOR PCB DIAGRAMS :

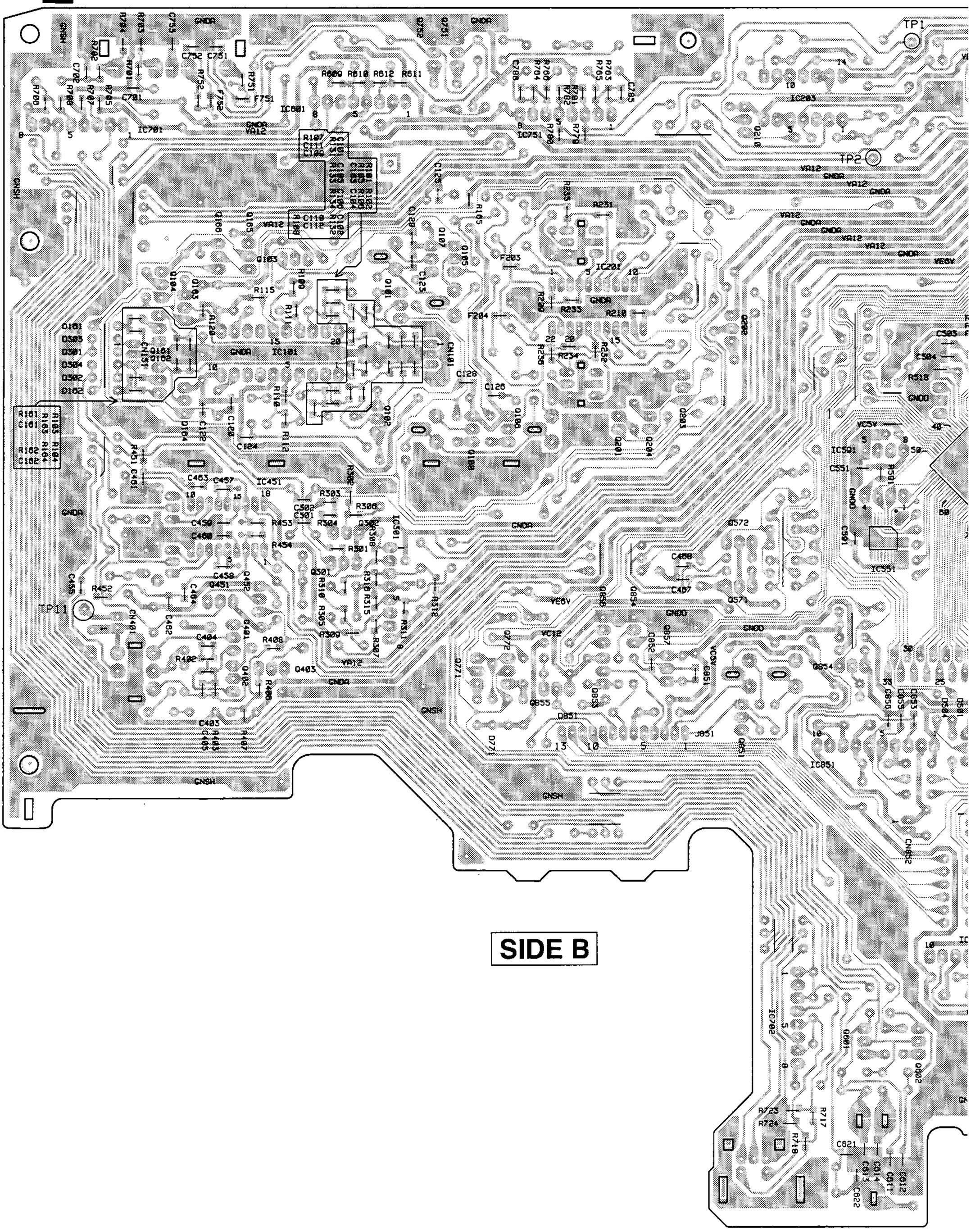
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

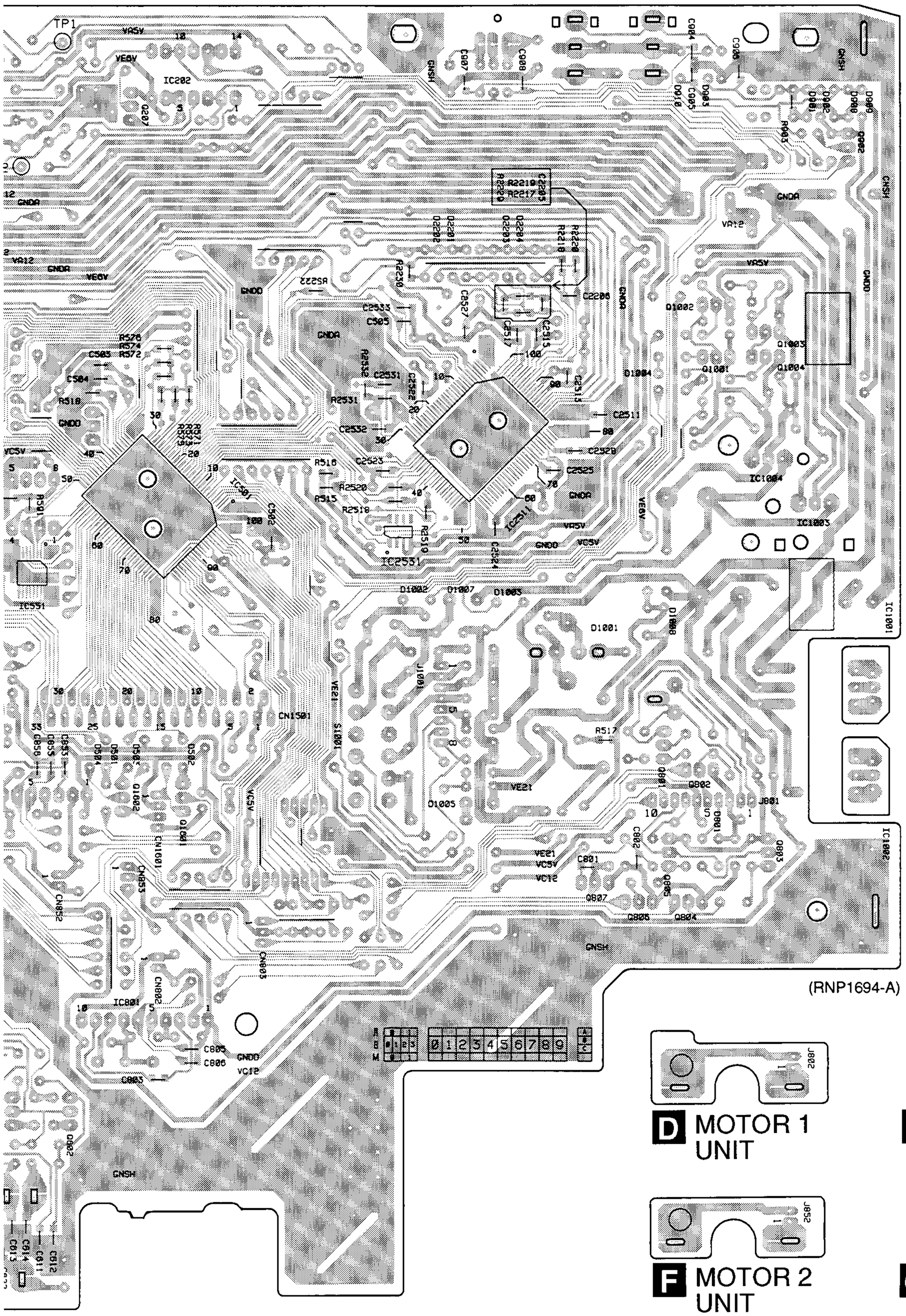
Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destinations.
   For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.

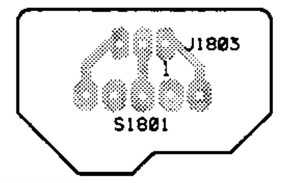


A MAIN UNIT



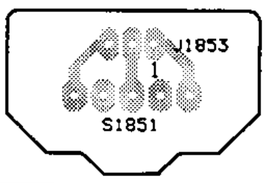


D MOTOR 1 UNIT



E EJECT 1 UNIT

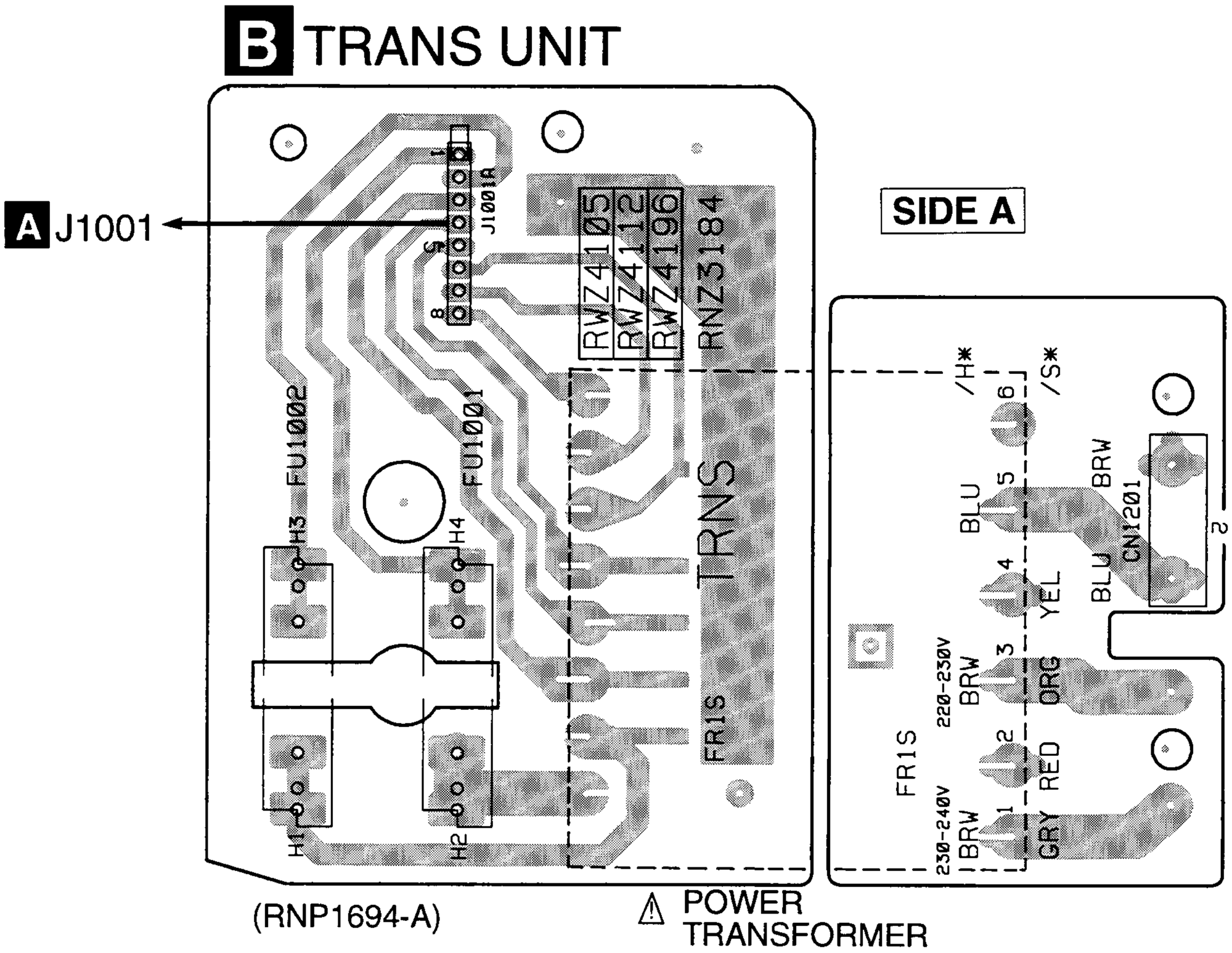
F MOTOR 2 UNIT

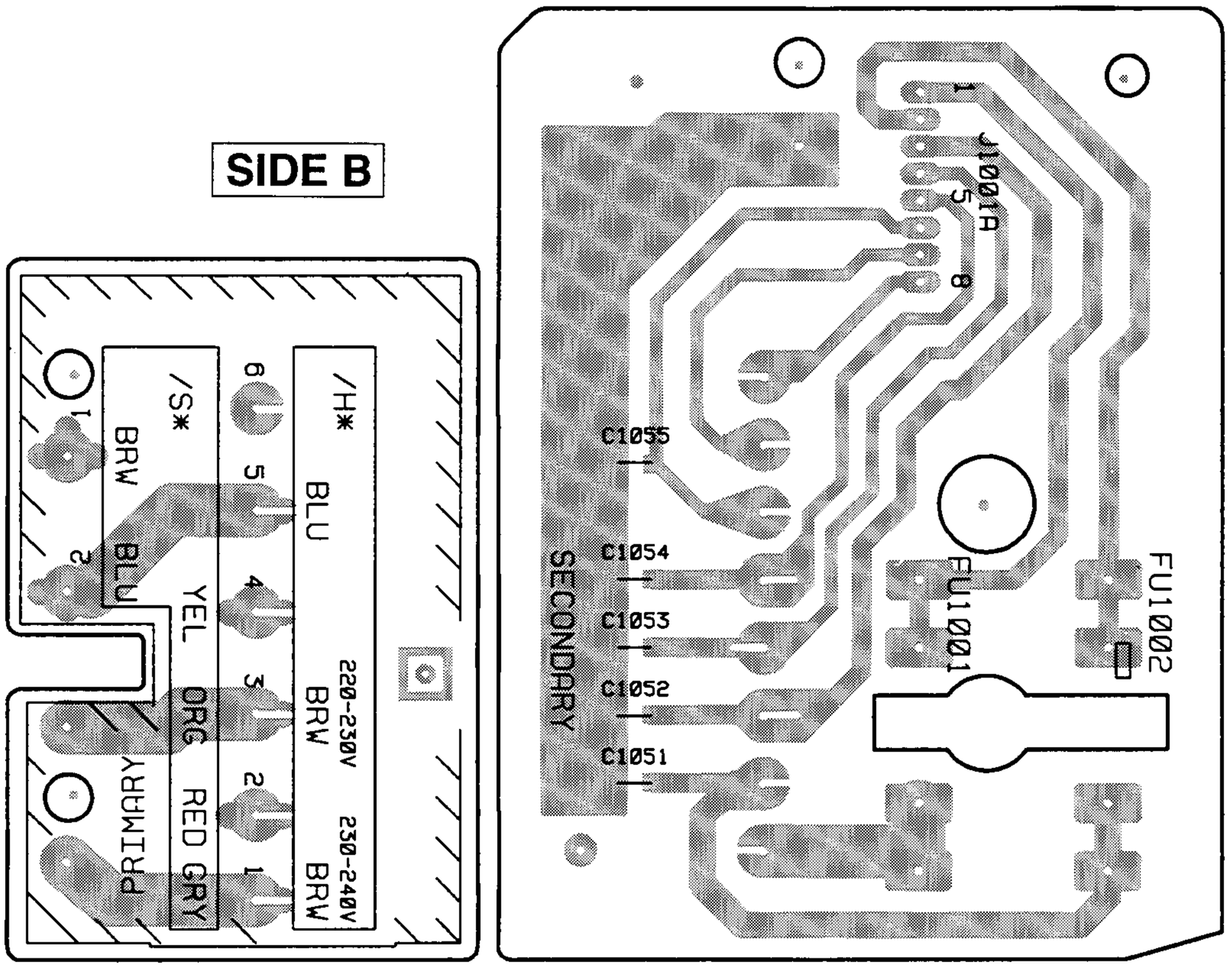


G EJECT 2 UNIT

A D E F G

4.2 TRANS UNIT

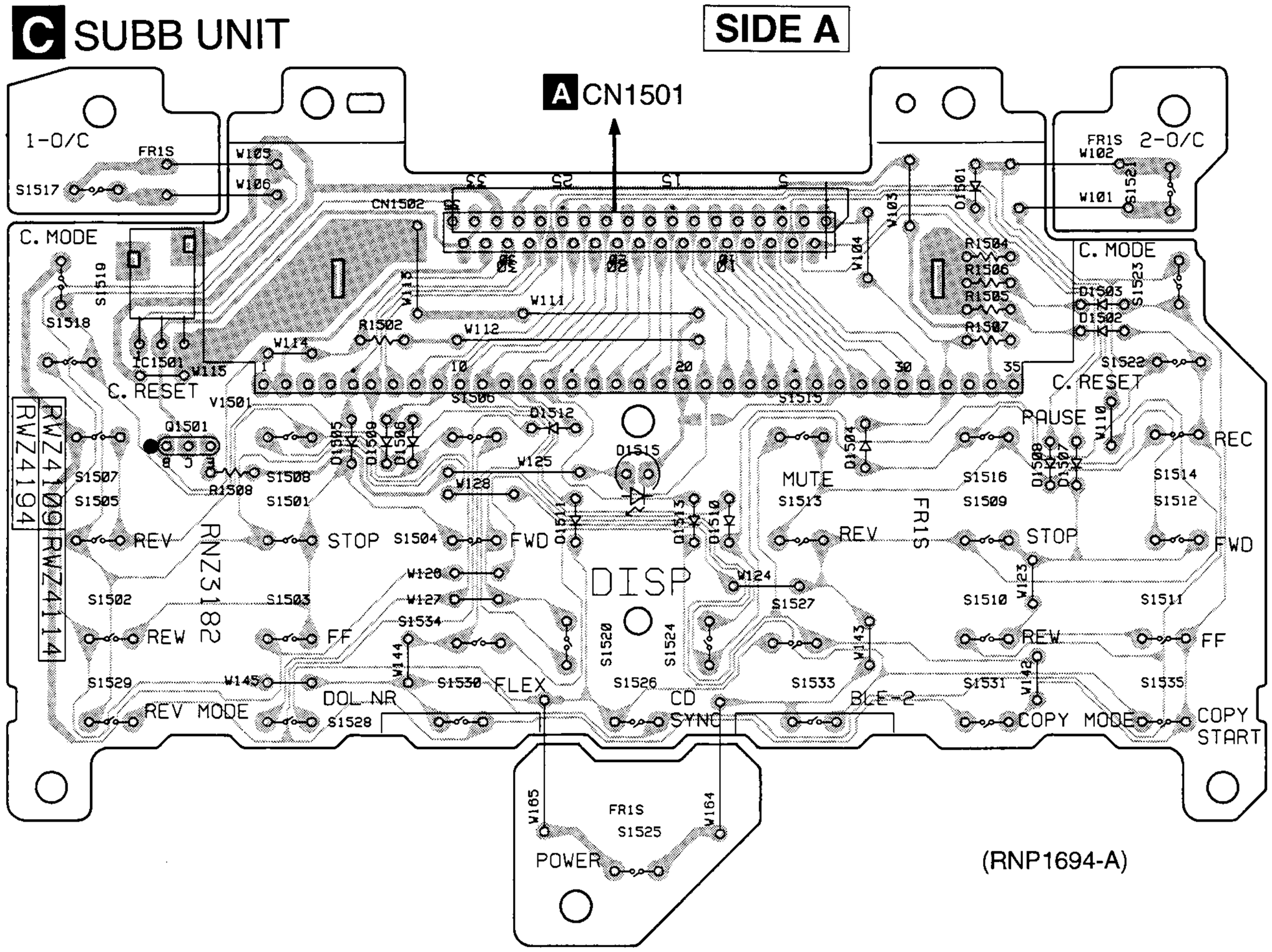




4.3 SUBB UNIT

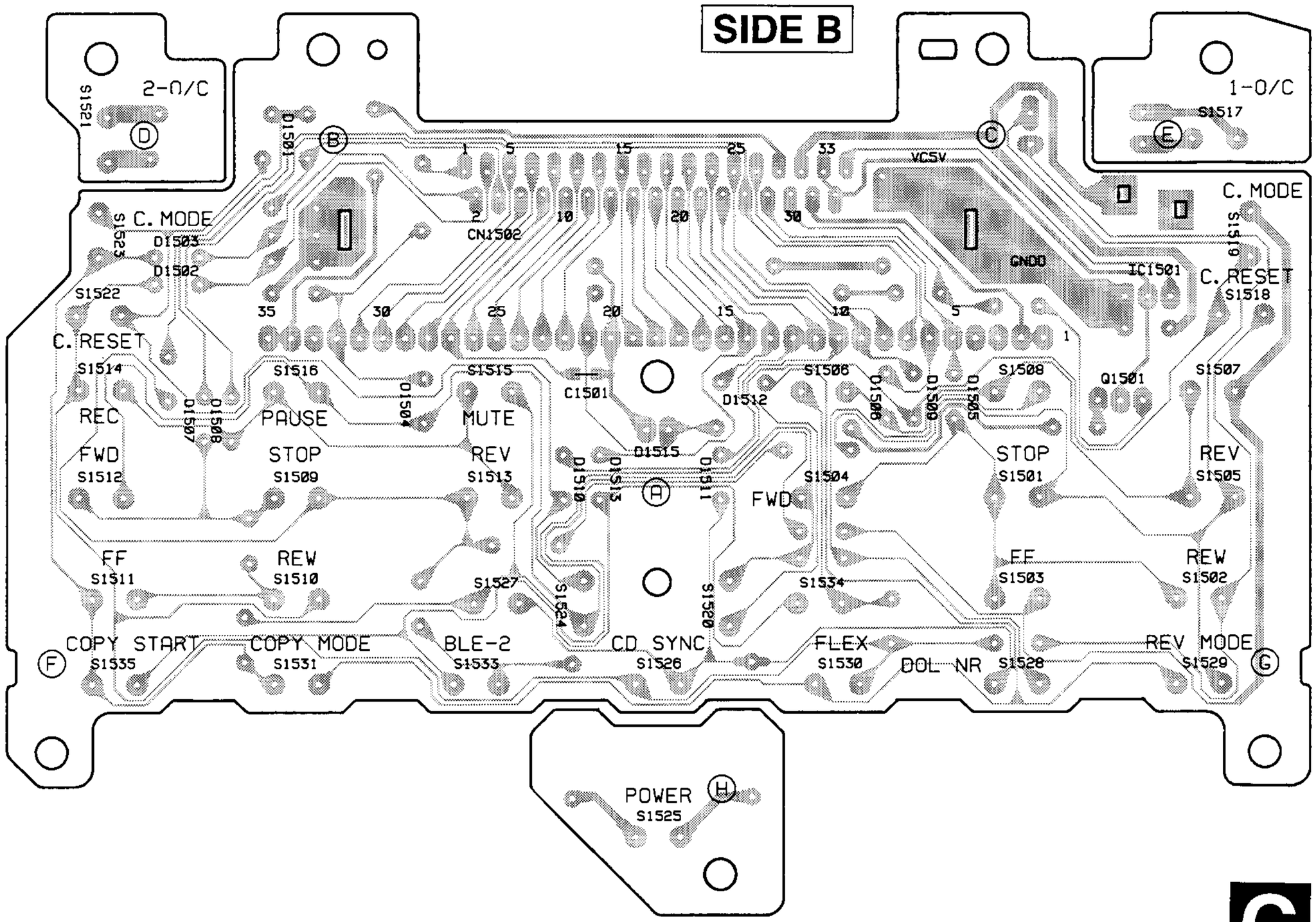
C SUBB UNIT

SIDE A



(RNP1694-A)

SIDE B



5. PCB PARTS LIST

NOTES: • *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*

• *The ⚠ 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.*

• *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%, and K=10%).

560 Ω → 56 × 10¹ → 561 ..... RD1/4PU 5 6 1 J
47k Ω → 47 × 10³ → 473 ..... RD1/4PU 4 7 3 J
0.5 Ω → R50 ..... RN2H R 5 0 K
1 Ω → 1R0 ..... RS1P 1 R 0 K

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

5.62k Ω → 562 × 10¹ → 5621 ..... RN1/4PC 5 6 2 1 F

5.1 LIST OF WHOLE PCB ASSEMBLIES

Mark	Symbol and Description	Part No.					Remarks
		CT-W706DR		CT-W606DR		CT-05D	
		HYXJ	SDXJ	HYXJ, HVXJ, HPWXJ	SDXJ, SLXJ	KUXJ/CA	
NSP	MOTHER UNIT	RWM1990	RWM1991	RWM1992	RWM1993	RWM1996	
	├ MAIN UNIT	RWZ4108	RWZ4111	RWZ4113	RWZ4117	RWZ4125	
NSP	├ TRANS UNIT	RWZ4105	RWZ4112	RWZ4105	RWZ4112	RWZ4115	*
	├ SUBB UNIT	RWZ4109	RWZ4109	RWZ4114	RWZ4114	RWZ4107	
NSP	├ MOTOR 1 UNIT	RWZ4191	RWZ4191	Not used	Not used	Not used	
NSP	├ EJECT 1 UNIT	RWZ4123	RWZ4123	Not used	Not used	Not used	
NSP	├ MOTOR 2 UNIT	RWZ4192	RWZ4192	Not used	Not used	Not used	
NSP	└ EJECT 2 UNIT	RWZ4124	RWZ4124	Not used	Not used	Not used	

Note * : Although TRANS UNIT (RWZ4105), (RWZ4112) and (RWZ4115) are different in part number, they have the same service parts.

5.2 CONTRAST OF PCB ASSEMBLIES

MAIN UNIT

RWZ4108, RWZ4111, RWZ4113, RWZ4117 and RWZ4125 have the same construction except for the following :

Mark	Symbol and Description	Part No.					Remarks
		RWZ4108	RWZ4111	RWZ4113	RWZ4117	RWZ4125	
	IC801,IC851	LB1641	LB1641	Not used	Not used	Not used	
	S1001 Power Switch	RSA1002	RSA1002	RSA1002	RSA1002	Not used	
⚠	F131-F134 Chip Bead	DTF1067	Not used	DTF1067	Not used	Not used	
	C203,C204	CCCSL470J50	Not used	CCCSL470J50	Not used	Not used	
	C802,C852	CCSQCH470J50	Not used	CCSQCH470J50	Not used	Not used	
	C803,C853	CKSQYF473Z50	CKSQYF473Z50	Not used	Not used	Not used	
	C804,C854	CKCYF473Z50	CKCYF473Z50	Not used	Not used	Not used	
	C805,C806,C855,C856	CKSQYB102K50	CKSQYB102K50	Not used	Not used	Not used	
	C1001-C1004	CKCYF473Z50	CKCYF473Z50	CKCYF473Z50	CKCYF473Z50	Not used	
	R131-R134	Not used	RS1/10S0R0J	Not used	RS1/10S0R0J	Not used	
	R501	RA4T223J	RA4T223J	Not used	Not used	Not used	
	R507	Not used	Not used	Not used	Not used	RD1/4PU223J	
	R509	RD1/4PU223J	RD1/4PU223J	Not used	Not used	RD1/4PU223J	
	R510,R826,R876	RD1/4PU363J	RD1/4PU363J	Not used	Not used	Not used	
	R812,R861	RD1/4PU223J	RD1/4PU513J	RD1/4PU223J	RD1/4PU513J	RD1/4PU513J	
	R820,R821,R824	RD1/4PU102J	RD1/4PU102J	Not used	Not used	Not used	
	R870,R871,R874	RD1/4PU102J	RD1/4PU102J	Not used	Not used	Not used	
	R822,R872	RFA1/4PL100J	RFA1/4PL100J	Not used	Not used	Not used	
	R823,R873	RD1/4PU272J	RD1/4PU272J	Not used	Not used	Not used	
	R825	RD1/4PU223J	RD1/4PU223J	Not used	Not used	Not used	
	VR701 (5kΩ)	RCV1089	RCV1089	RCV1089	RCV1089	RCV1115	
	CN802,CN852 2P Jumper Connector	52147-0210	52147-0210	Not used	Not used	Not used	
	CN803,CN853 3P Jumper Connector	52147-0310	52147-0310	Not used	Not used	Not used	

SUBB UNIT

RWZ4109, RWZ4114 and RWZ4107 have the same construction except for the following :

Mark	Symbol and Description	Part No.			Remarks
		RWZ4109	RWZ4114	RWZ4107	
	S1517,S1521 S1525	VSG1010 Not used	Not used Not used	Not used VSG1010	

5.3 PARTS LIST FOR CT-W706DR/HYXJ

Mark	No.	Description	Part No.
		A MAIN UNIT	
		SEMICONDUCTORS	
		IC2511	AK7712-VQ
		IC591	AK93C45
		IC301, IC601, IC701, IC751	BA15218N
		IC202, IC203	BU4066BC
		IC101	CXA1115BP
		IC201	CXA1562S
		IC801, IC851	LB1641
		IC551	M62354GP
⚠		IC1001, IC1002	NJM7812FA
⚠		IC1003, IC1004	NJM78M05FA
		IC501	PD5391B
		IC2531	TC7WU04F
		IC451	UPC1297CA
		Q1001, Q801, Q851	2SA1309A
		Q805, Q855	2SB1238X
		Q803, Q853	2SB1425
		Q1003, Q571, Q572, Q807, Q857	2SC1740S
		Q401, Q402	2SC1815
		Q301, Q302, Q403, Q751, Q752	2SD2144S
		Q161, Q162	2SK373
		Q1004, Q165, Q451	KRA102M
		Q771, Q772	KRA111M
		Q1002, Q201-Q204, Q207, Q210	KRC103M
		Q452, Q804, Q806, Q854, Q856	KRC103M
		Q902	KRC103M
		Q101-Q108, Q163, Q164, Q166	KRC111M
		Q802, Q852	KRC111M
⚠		D1005, D1007	1SR35-100AVL
⚠		D1002, D1003	1SS254
		D1004, D161, D162, D2201-D2204	1SS254
		D301-D304, D901-D903	1SS254
		D908-D910	1SS254
		D771	MTZJ3.9B
⚠		D1006, D1008	MTZJ5.6B
⚠		D1001	S2VB20
		D801, D851	S5688G
		COILS AND FILTERS	
⚠		F131-F134 CHIP BEAD	DTF1067
		L402	LFA121K
		X501 CERAMIC RESONATOR (8.389MHz)	RSS1042
		X2531 CRYSTAL RESONATOR (18.432MHz)	RSS1052
		L401	RTD1052
		L451, L452	RTD1053
		L101, L102	RTF1099
		L301, L302	RTF1102
		F201, F202	RTF1217
		SWITCH	
		S1001	RSA1002
		CAPACITORS	
		C453, C454	CCCSL271K2H
		C203, C204	CCCSL470J50
		C161, C162	CCSQCH100D50
		C109-C112, C455, C701, C702	CCSQCH101J50
		C785, C786	CCSQCH121J50
		C2531, C2532	CCSQCH180J50
		C467, C468	CCSQCH221J50
		C802, C852	CCSQCH470J50
		C107, C108	CEANL101M10
		C1013, C115, C116, C211, C212	CEAS100M50
		C217, C218, C2514, C2516, C2519	CEAS100M50
		C2521, C307, C308, C465	CEAS100M50
		C607, C608, C783, C784	CEAS100M50
		C605, C606	CEAS101M16
		C201, C202, C205, C206	CEAS1R0M50
		C2201, C2202, C241, C242	CEAS1R0M50
		C309, C310, C707, C708	CEAS1R0M50
		C757, C758	CEAS1R0M50
		C1014	CEAS220M16
		C781, C782	CEAS220M50
		C1015	CEAS221M35
		C406, C407, C705, C706	CEAS330M16
		C1011, C1012, C1019, C1028	CEAS331M16
		C1017, C119, C121, C219, C220	CEAS470M16
		C2225, C2226, C305, C408, C501	CEAS470M16
		C552, C602, C704, C759	CEAS470M16
		C303, C304, C469, C470	CEAS4R7M50
		C456	CEASR22M50
		C221, C222	CFTXA103J50
		C207, C208	CFTXA104J50
		C209, C210	CFTXA683J50
		C601, C771, C901, C902	CKCYF103Z50
		C1001-C1006, C1008, C1020-C1024	CKCYF473Z50
		C1027, C1029, C711, C804, C854	CKCYF473Z50
		C903	CKCYF473Z50
		C751, C752, C801, C805, C806	CKSQYB102K50
		C851, C855, C856	CKSQYB102K50
		C463, C464, C505	CKSQYB103K50
		C101, C102, C301, C302	CKSQYB221K50
		C459, C460	CKSQYB223K50
		C2205, C2206, C403-C405	CKSQYB332K50
		C125, C126	CKSQYB391K50
		C103, C104	CKSQYB471K50
		C457, C458	CKSQYB473K50

Mark	No.	Description	Part No.
	C123, C124		CKSQYB561K50
	C105, C106		CKSQYB681K50
	C461, C462		CKSQYB821K50
	C120, C128, C502–C504, C551		CKSQYF103Z50
	C591		CKSQYF103Z50
	C2511, C2513, C2515, C2517		CKSQYF104Z25
	C2522–C2525, C2527, C2528		CKSQYF104Z25
	C2533, C803, C853		CKSQYF473Z50
	C402		CQMA223J50
	C113, C114		CQMA822J50
	C401		CQPA682J2A
	C1010		DCH1063
	C451, C452	(430pF, 500V)	RCG1005
	C1018		RCH1148
RESISTORS			
	R501		RA4T223J
	R504		RA8T223J
	R221, R222	(560Ω)	RCN1024
	R401		RD1/2LMF1R0J
	R405		RD1/2LMF330J
	R404		RD1/2LMF5R6J
⚠	R822, R872		RFA1/4PL100J
⚠	R1011		RFA1/4PL470J
	R211, R212		RS1/10S0R0J
	R2519		RS1/10S101J
	R303, R304, R406		RS1/10S102J
	R210, R309, R310, R765, R766		RS1/10S103J
	R311, R312, R315, R316, R518		RS1/10S104J
	R703, R704, R779–R782		RS1/10S104J
	R161–R164, R2531		RS1/10S105J
	R231, R232		RS1/10S112J
	R402, R403, R763, R764		RS1/10S123J
	R107, R108		RS1/10S151J
	R515, R516		RS1/10S152J
	R723, R724		RS1/10S153J
	R111, R112, R571, R572		RS1/10S163J
	R705–R708		RS1/10S184J
	R305, R306		RS1/10S202J
	R209		RS1/10S203J
	R120, R2533, R408, R717, R718		RS1/10S222J
	R453, R454, R591, R701, R702		RS1/10S223J
	R903		RS1/10S223J
	R451, R452		RS1/10S224J
	R109, R110		RS1/10S273J
	R2217–R2220		RS1/10S301J
	R233, R234		RS1/10S302J
	R307, R308		RS1/10S303J
	R115, R573, R574		RS1/10S333J
	R101, R102, R105, R106		RS1/10S334J
	R2532, R751, R752		RS1/10S471J
	R165, R2229, R2230, R407		RS1/10S473J
	R103, R104		RS1/10S514J
	R575, R576		RS1/10S683J
	R235, R236, R301, R302		RS1/10S822J
	R609–R612		RS1/10S823J
	R1014		RS1LMF102J
	R607		RS1LMF221J
	VR851	(2.2kΩ)	RCP1019
	VR801, VR852	(1kΩ)	RCP1044
	VR101–VR104	(10kΩ)	RCP1045
	VR701	(5kΩ)	RCV1089
	Other Resistors		RD1/4PU□□□J

Mark	No.	Description	Part No.
OTHERS			
	CN1501	33P FFC CONNECTOR	52045-3345
	CN802, CN852	2P JUMPER CONNECTOR	52147-0210
	CN803, CN853	3P JUMPER CONNECTOR	52147-0310
	JA701	PIN JACK 4P	AKB7014
	CN401	KR CONNECTOR 2P	B2B-PH-K-S
	CN101, CN151	KR CONNECTOR 3P	B3B-PH-K-S
	JA901	MINI JACK	PKN1005
	JA601	HEADPHONE JACK	RKN1002
	JA911, JA912	JACK	RKN1004
	PCB BINDER		VEF1008
	GROUND PLATE		VNF-091

B TRANS UNIT

OTHERS

	H1–H4	FUSE CLIP	AKR1004

C SUBB UNIT

SEMICONDUCTORS

	Q1501		KRC111M
	D1505–D1513		1SS254
	D1515		MBG5074X

SWITCHES

	S1501–S1505, S1509–S1519		VSG1010
	S1521–S1523, S1526, S1528–S1531		VSG1010
	S1533, S1535		VSG1010

CAPACITOR

	C1501		CKSQYB221K50

RESISTORS

	All Resistors		RD1/4PU□□□J

OTHERS

	CN1502	33P FFC CONNECTOR	52044-3345
	V1501	FL TUBE	RAW1157

D MOTOR 1 UNIT

This unit has no service parts.

E EJECT 1 UNIT

SWITCH

	S1801	LEAF SWITCH	VSK1011

F MOTOR 2 UNIT

This unit has no service parts.

G EJECT 2 UNIT

SWITCH

	S1851	LEAF SWITCH	VSK1011

6. ADJUSTMENT

● Adjustment points and Measurement points are shown in Fig. 6-6.

6.1 MECHANICAL ADJUSTMENT

6.1.1 Door Damping Check and Adjustment (except CT-W706DR)

Set the door spring of the DECK Ⅰ side to position (A) as shown in Fig. 6-1. Then, erect the front panel assembly vertically.
Open the doors of DECK Ⅰ and DECK Ⅱ at the same time. At this point, confirm that the difference between the door completely opened and the other door is within 15 mm. If this standard is not satisfied install the door spring of DECK Ⅰ at another position and adjust as follows:

- When the door of DECK Ⅰ opens later than that of DECK Ⅱ :
  Change the door spring of DECK Ⅱ from (A) to (B).
- When the door of DECK Ⅰ opens faster than that of DECK Ⅱ :
  Change the door spring of DECK Ⅰ from (A) to (B).

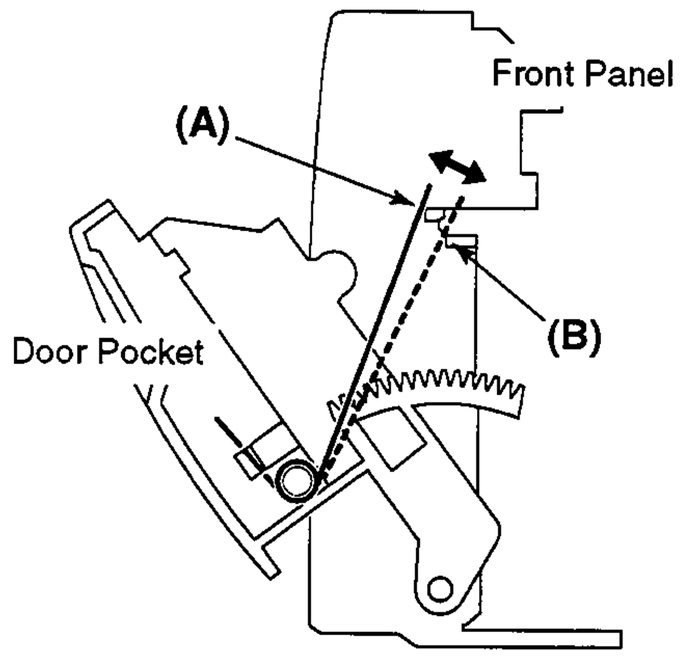


Fig. 6–1

6.1.2 Tape Speed Adjustment

- **Perform this adjustment in the test mode.**
- Test Mode Setting
  (1) Press the TIME/COUNT and RESET keys of DECK Ⅰ together with the PAUSE key of DECK Ⅱ .
  (2) The speed becomes normal when the PLAY key is pressed, and double when the FF key is pressed.
  (3) To cancel the TEST mode, press the RESET key of DECK Ⅰ or turn off the power.

No.	DECK	Mode	Test Tape	Adjusting Point	Specifications / Ratings (Playback Frequency)	Remarks
1	Ⅰ	Double Speed PLAY	STD-301 (3 kHz) or NCT-111	Check	5100Hz ± 510Hz	
2	Ⅱ			VR851	Within ±10Hz against the measurement value of the step 1 (DECK Ⅰ).	
3	Ⅰ	Normal Speed PLAY		VR801	2980Hz ± 5Hz	
4	Ⅱ			VR852	Within ± 5Hz against the measurement value of the step 3 (DECK Ⅰ).	

6.2 ELECTRICAL ADJUSTMENT

Adjustment Conditions

(1) The mechanical adjustments must be completed first.
(2) The head must be cleaned and demagnetized.
(3) Turn the power on allow the deck to warm up for at least a few minutes before commencing any electrical adjustments.
(4) The reference signal is 0 dBV = 1 Vrms.
(5) Connect a 10 kΩ load resistance to the OUTPUT terminals.
(6) Unless otherwise specified, the switches listed below are left in the positions indicated.
DOLBY NR : OFF
TAPE SELECTOR : NORM

Test Tape
STD–331E : Playback adjustment (See Fig. 6–2)
STD–632 : NORMAL blank tape
STD–622 : CrO2 blank tape
STD–611 : METAL blank tape

* As the reference recording level is 250 nwb/m for STD – 331E, the recording level will be higher by 4 dB for STD – 331B (160nwb/m). When adjusting, pay careful attention to the type of tape used.

List of Adjustments

■ Playback Section
(1) Head Azimuth Adjustment
(2) Playback Level Adjustment

■ Recording Section
(1) Bias Oscillator Adjustment
(2) Recording Bias and Recording Level Automatic Adjustment
(3) Level Meter Check

NOTE : This unit has an automatic tape selection feature.

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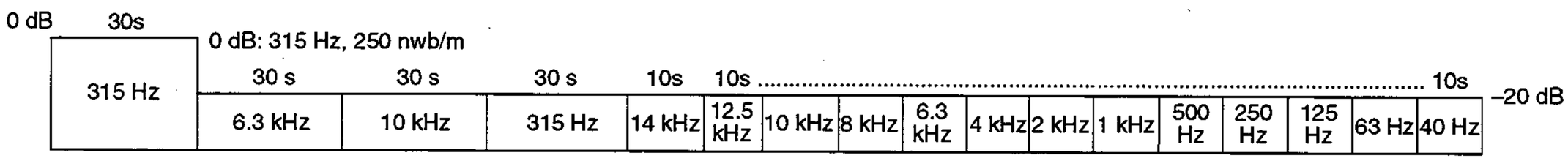


Fig. 6–2 Constants of the Test Tape STD–331E

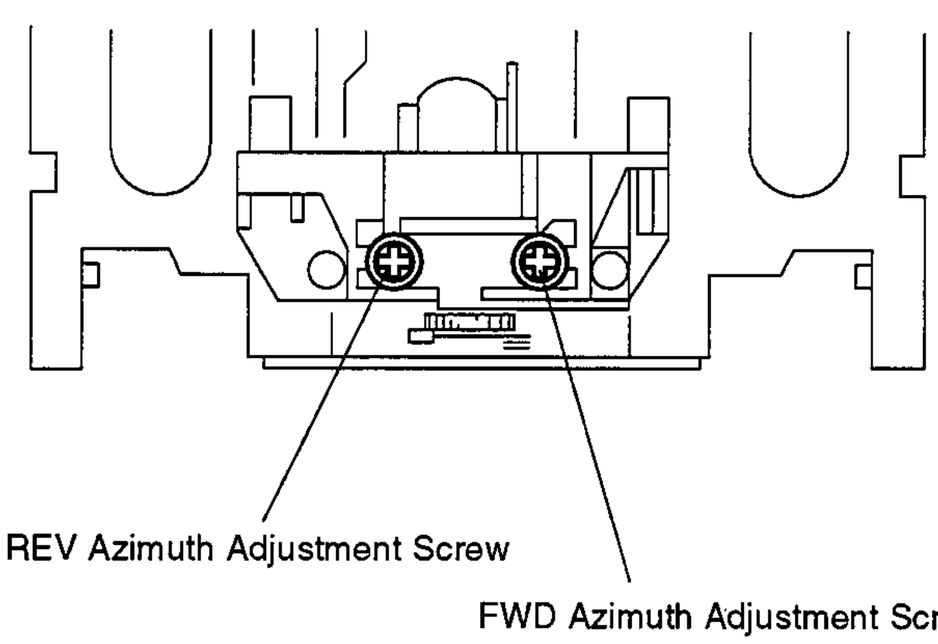
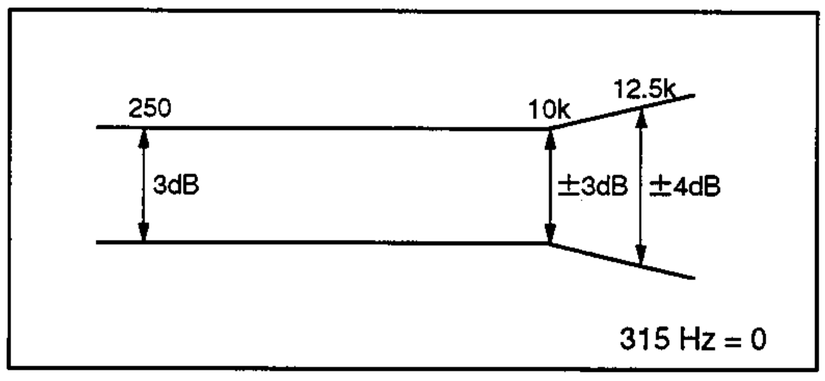


Fig. 6–3 Head Azimuth Adjustment

PLAY BACK



RECORDING

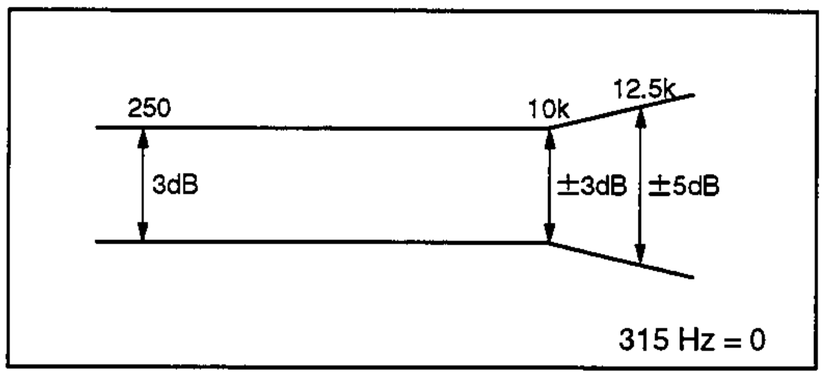


Fig. 6–4 Frequency Response Zone

6.2.1 Playback Section

(1) Head Azimuth Adjustment

● Turn VR101, VR102 (DECK Ⅰ) or VR103, VR104 (DECK Ⅱ) to mechanical center positions.

No.	Mode	Input Signal and Test Tape	Adjustment Location	Measurement Location	Adjustment Value	Remarks
1	PLAY	Play the 10kHz / – 20dB section of STD-331E test tape.	Head azimuth adjustment screw (See Fig. 6-3)	LINE OUT	Maximum playback signal level	
2	STOP	Lock the screw with silicon bond after completing adjustment.				

(2) Playback Level Adjustment

● This adjustment determines the DOLBY NR level, and must be performed with great care.

No.	Mode	Input Signal and Test Tape	Adjustment Location		Measurement Location	Adjustment Value	Remarks
1	PLAY	Play the 315Hz / 0dB section of the STD-331E test tape.	DECK Ⅰ	VR101 (L ch) VR102 (R ch)	TP 1 (L ch) TP 2 (R ch)	– 6.7dBV	Digital NR : OFF
			DECK Ⅱ	VR103 (L ch) VR104 (R ch)			

6.2.2 Recording Section

(1) Bias Oscillator Adjustment

No.	Mode	Input Signal and Test Tape	Adjustment Location		Measurement Location	Adjustment Value	Remarks
1	REC	Load the STD- 611 test tape with no input signal.	DECK Ⅱ	L401	TP 11	107kHz ± 0.3kHz	If the adjustment value on the left cannot be obtained values within 107kHz $^{+2.3}_{-0.3}$ kHz are also satisfactory.

(2) Recording Bias and Recording Level Automatic Adjustment
REC Adjustment Check

1. Test tape DECK Ⅱ STD–632 set in.
2. Test mode setting.

① Press the test mode, set both TIME/COUNT and RESET keys of DECK Ⅰ together with the PAUSE key of DECK Ⅱ all together.

⇩

② Set [COPY START] key is press push.

⇩

③ When the REC key (DECK Ⅱ) is pressed, " B " flashes on the counter, and adjustment of bias and recording level is started automatically.

- When correct adjustment has been completed, the mechanism stops for about 50 seconds, and " PBR " lights on the DECK Ⅱ side counter to indicate that all adjustments have been completed.
- At this time, flashing of "B" indicates a bias adjustment error, while flashing of "R" indicates a recording level error.

⇩

④ With correct adjustment, " PBR " lights on the DECK Ⅱ side of the counter. When the DECK Ⅱ side counter does not light, no adjustment value is written into the memory.

⇩

⑤ When the STOP key is pressed, the automatic adjustment mode is cancelled. At this time, the counter display becomes "10" on the DECK Ⅰ side and " TUNE " on the DECK Ⅱ side. (See Fig. 6–5)

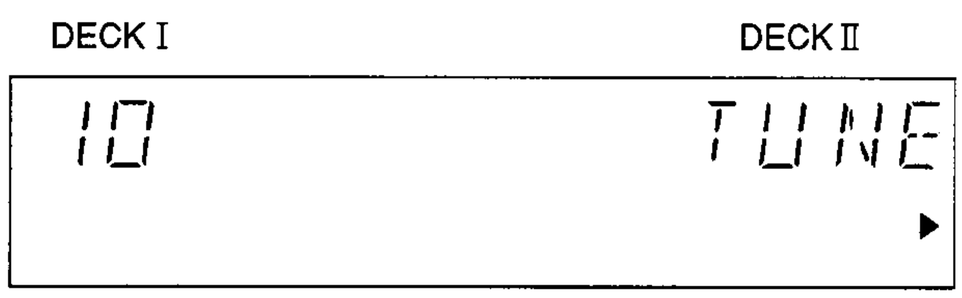


Fig. 6–5 FL Display Example

⇩

⑥ Press the RESET Key at the DECK Ⅰ , canceling the test mode.

Adjustment NG : The following are possible reasons.

- No recording
- No adjustment tape. Near the tape end.
- Tape is extremely damaged.
- Circuit trouble (defective contact etc.)

Note: For repeat adjustment, press the STOP key (DECK Ⅱ) to leave automatic adjustment mode, and then start again.

(3) Level Meter Check

No.	Mode	Input Signal and Test Tape	Adjustment Location	Measurement Location	Adjustment Value	Remarks
1	REC PAUSE	Apply a 315Hz / – 6dBV (500 mV) signal to the LINE INPUT terminals.	REC level control volume	TP 1 (L ch) TP 2 (R ch)	Check that the level meters "0 dB" light up within – 7.2dBV ± 2dB of the signal output level.	

MAIN Unit

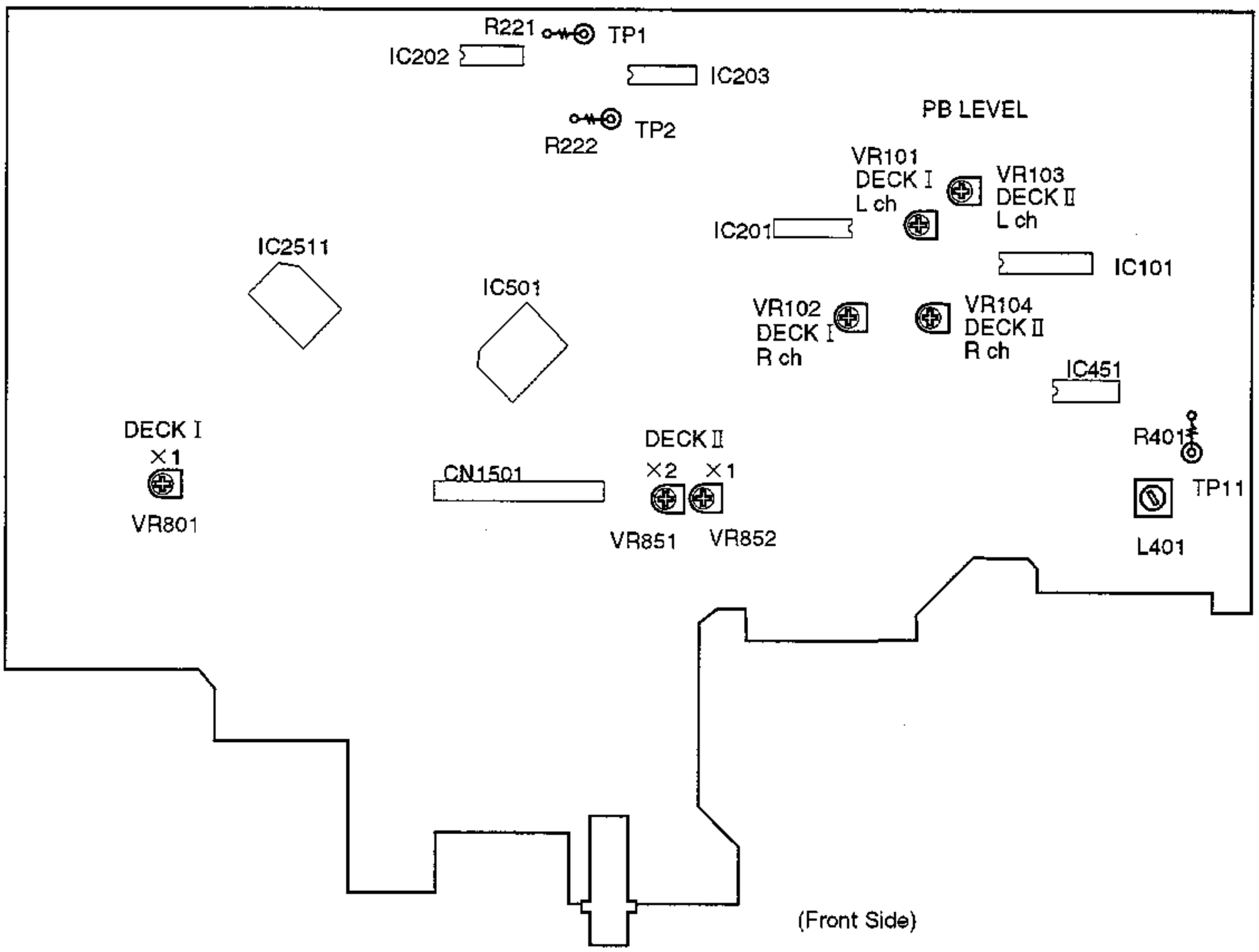


Fig. 6–6 Adjustment Points and Measurement Points

7. GENERAL INFORMATION

7.1 PARTS

7.1.1 IC

■ PD5391B (MAIN UNIT : IC501)

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

● **System Control Microcomputer**

● **Pin Function**

No.	Name	I/O	Description
1	SW1	I	The terminals 1 and 2 use the internal ADC to convert the analog input from the SW input terminals to digital data.
2	SW0	I	
3	1CLOSE	O	Cassette door control terminal During Door open: OPEN ="H", CLOSE = "L" During Door close: OPEN ="H", CLOSE = "L"
4	1OPEN	O	
5	2CLOSE	O	
6	2OPEN	O	
7	2×1	O	Speed control terminal for the mechanism on side 2. Normally, "H" is put out, and "L" is put out at the time of high-speed copying.
8	SCLK	O	DSP (IC2511) communication "SCLK" terminal
9	SO	O	DSP (IC2511) communication "SO" terminal
10	SI	I	DSP (IC2511) communication "SI" terminal
11	RDY	I	DSP (IC2511) communication "RDY" terminal (Not used)
12	DRDY	I	DSP (IC2511) communication "DRDY" terminal (Not used)
13	RQB	O	DSP (IC2511) communication "RQB" terminal
14	CS	O	DSP (IC2511) communication "CS" terminal
15	RST	O	DSP (IC2511) communication "RST" terminal
16	PDB	O	DSP (IC2511) communication "PDB" terminal
17	CDIN	I	CD synchro, Control signal input from CD.
18	CDJC	I	CD synchro, Code detection signal input
19	DOL0	O	DOLBY position control terminals DOLB: OFF=L, B=H, C=L; DOL0: OFF=H, B=L, C=L
20	DOLB	O	
21	2SOL	O	Mechanism 2 solenoid terminal. "H" output at the time of mechanical assistance.
22	2CPM	O	Mechanism 2 capstan motor terminal. "H" output during operation of the mechanism.
23	METR	O	Bias control terminal. "OPEN" status at the time of TYPE IV tape recording.
24	LMUT	O	Line output mute terminal. MUTE with "L" output
25	BIAS	O	Bias control terminal. "H" output at the time of recording.
26	2PB	O	Switching playback terminal. "H" output at the time of 2 side playback.
27	XL22	O	XD control terminal At the time of XD OFF recording, all ports are open, and at the time of XD ON recording, they are open or "L" output is executed according to the input signal.
28	XL21	O	
29	XL20	O	
30	XR22	O	
31	XR21	O	
32	XR20	O	
33	REMT	I	SR input terminal. "H" when there is no input.
34	POFF	I	Power OFF detection signal input terminal. Power OFF processing is executed with "H" input.
35	REST	I	Reset signal input terminal. Reset status is reached with "L" input, and each output port becomes open.
36	XCIN	I	Sub clock input terminal (Not used)
37	XCOUT	I	
38	XIN	I	Clock input terminal
39	XOUT	I	
40	Vss	I	Connected to GND.
41	NORR	O	Bias control terminal. "L" output at the time of TYPE I tape recording.
42	RMUT	O	REC output mute terminal. Muting with "L" output.
43	DEC	O	DOLBY IC (IC201) encode/decode switching terminal. "H" output at the time of decoding.
44	PBNR	O	"H" output at the time of TYPE I tape playback.

No.	Name	I/O	Description
45	KEY3	I	Key scan input terminal
|	|		
48	KEY0		
49	DIM	I	Memory (IC591) communication data input terminal
50	DATD	O	Memory (IC591) communication data output and bias control DAC (IC551) communication data output terminal.
51	CLKD	O	Memory (IC591) communication data output and bias control DAC (IC551) communication CLK output terminal
52	CSM	O	Memory (IC591) communication CS output terminal
53	OUTD	O	DAC (IC551) for bias control communication, enable output terminal.
54	1×1	O	Speed control terminal for the mechanism on side I. Normally, "H" is put out, and "L" is put out at the time of high-speed copying.
55	METL	O	Bias control terminal. "OPEN" status at the time of TYPE IV tape recording.
56	NORL	O	Bias control terminal. "L" output at the time of TYPE I tape recording.
57	G10	O	FL display segment output and key scan output
|	|		
66	G1		
67	P14	O	FL display segment output and key scan output
|	|		
80	P1		
81	NC	O	OPEN
82	LDS0	O	DIGITAL IND (LED) control terminal. ON with "H".
83	LSTB	O	Connected to GND through a resistor.
84	TOCD	O	CD synchro. Output terminal for the control signal to the CD.
85	1SOL	O	Mechanism 1 solenoid terminal. "H" output at the time of mechanical assistance.
86	1CPM	O	Mechanism 1 capstan motor terminal. "H" output during operation of the mechanism.

No.	Name	I/O	Description
87	ASE2	O	Line Input/ Output selection terminal
88	ASE3	O	

	ASE2	ASE3
Playback	H	L
Recording, Copy	L	H

No.	Name	I/O	Description
89	VEE	I	Power supply for the built-in resistance drive of the FL drive terminals (terminals 57 to 80). Connect to –21 V.
90	2SEN	I	2 mechanism unit reel sensor input terminal
91	Vcc	I	Connected to +5V.
92	1SEN	I	1 mechanism unit reel sensor input terminal
93	AVss	I	Built-in ADC power supply terminal Connected to GND.
94	VREF	I	Built-in ADC power supply terminal Connected to +5V.
95	SW7	I	Each SW input terminal Conversion of analog input to digital data by the built-in ADC.
|	|		
100	SW2		

■ AK7712-VQ (MAIN UNIT : IC2511)

● DSP

● Pin Function

No.	Name	I/O	Description
1 | 3			
4	OPCL	I	Built-in ADC, DAC connection selection terminal. Connection with "L".
5	PDADB	I	Built-in ADC reset input terminal. "L" input.
6	PDDAB	I	Built-in DAC reset input terminal. "L" input.
7	PDB	I	Power-down terminal. "L" input only at the time of power ON.
8	RST	I	Reset terminal. "L" input other than at the time of PLAY and REC.
9 | 11			
12	DVB	I	Connected to +5V (digital).
13 | 20			
21	SMODE	I	Master/slave mode switching. "H" input.
22 | 24			
25	DVDD	I	Connected to +5V (digital).
26	DVSS	I	Connected to GND (digital).
27			
28	XTI	I	Connected to Crystal resonator (18.432MHz).
29	XTO	O	
30			
31	CS	I	Microcomputer (PD5391B) communication "CS" terminal
32	RQB	I	Microcomputer (PD5391B) communication "RQB" terminal
33	DVSS	I	Connected to GND (digital).
34	DVDD	I	Connected to +5V (digital).
35	SCLK	I	Microcomputer (PD5391B) communication "SCLK" terminal.
36	SI	I	Microcomputer (PD5391B) communication "SO" terminal. Connected to "SI" of the microcomputer.
37	DRDY	O	Microcomputer (PD5391B) communication "DRDY" terminal. (Not used)
38	WRDY	O	Microcomputer (PD5391B) communication "WRDY" terminal. (Not used)
39	SO	I	Microcomputer (PD5391B) communication "S0" terminal. Connected to "S1" of the microcomputer.
40 | 50			
51	DVSS	I	Connected to GND (digital).
52	DVDD	I	Connected to +5V (digital).
53 | 70			
71	DVSS	I	Connected to GND (digital).
72	DVDD	I	Connected to +5V (digital).
73			
74	DVSS	I	Connected to GND (digital).
75	DVDD	I	Connected to +5V (digital).
76 | 77	DVB	I	Connected to +5V (digital).
78 | 80			
81	AVDD	I	Connected to +5V (analog).
82	AOUTR2	O	Analog 2 "R ch" output (LINE output)
83	AOUTL2	O	Analog 2 "L ch" output (LINE output)
84	AOUTR1	O	Analog 1 "R ch" output (REC AMP output)
85	AOUTL1	O	Analog 1 "L ch" output (REC AMP output)
86	VRDAL	I	DAC power supply. Connected to GND (analog).
87	AVSS	I	Connected to GND (analog).

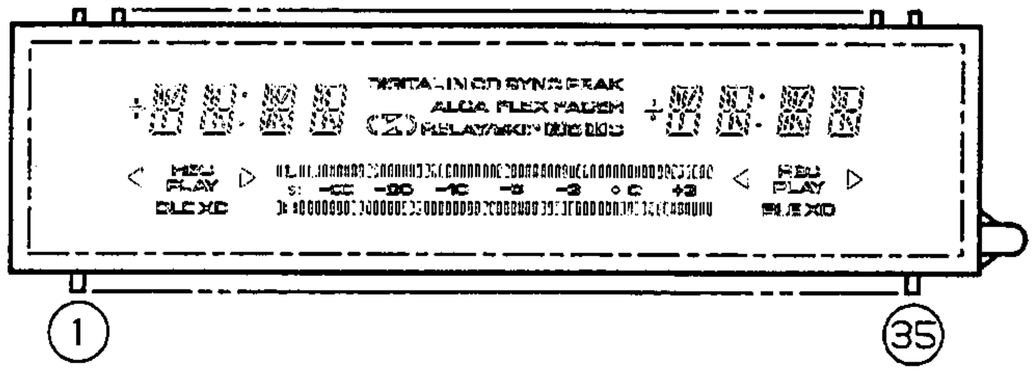
No.	Name	I/O	Description
88	AVB	I	Connected to +5V (analog).
89	VRDAH	I	DAC power supply. Connected to +5V (analog).
90			
91	AIR –	I	Analog "R ch" input. (Reversed input)
92	AIR +	I	Analog "R ch" input. (Not reversed input)
93	AIL –	I	Analog "L ch" input. (Reversed input)
94	AIL +	I	Analog "L ch" input. (Not reversed input)
95	VCOM	I	Common ground pin. Insert a 0.1 μ and 10 μ capacitor between this pin and analog ground.
96	VRADL	I	ADC power supply. Connected to GND (analog).
97	AVSS	I	Connected to GND (analog).
98	AVDD	I	Connected to +5V (analog).
99	VRADH	I	ADC power supply. Connected to +5V (analog).
100	AVB	I	Connected to +5V (analog).

7.1.2 DISPLAY

■ RAW1157 (SUBB UNIT : V1501)

● FL Tube

● Pin Assignment

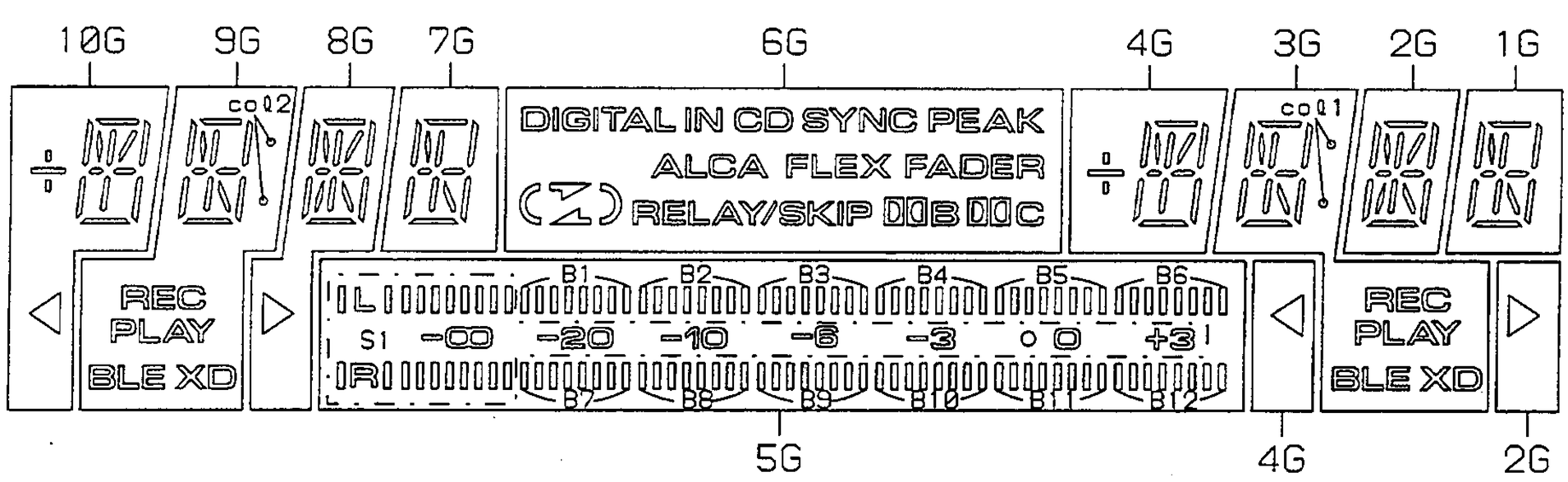


NOTE 1) F1,F2 - Filament
2) NP ---- No Pin
3) NC ---- No connection
4) DL ---- Datum Line
5) 1G~10G-- Grid

● Pin Connection

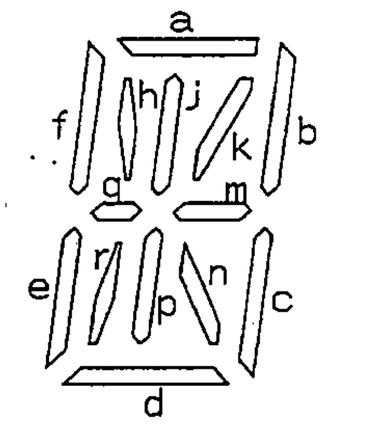
PIN NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
CONNECTION	F1	F1	NP	NC	P1	P2	P3	P4	P5	P6	P7	NC	P8	P9	P10	P11	P12	P13	P14	NC	NC	1G	2G	3G	4G	5G	6G	7G	8G	9G	10G	NC	NC	F2	F2

● Grid Assignment



● Anode Connection

	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	DIGITAL	B1	a	a	a	a
P2	b	b	b	b	IN	B2	b	b	b	b
P3	f	f	f	f	CD	B3	f	f	f	f
P4	g	g, m	g	g	SYNC	B4	g	g, m	g	g
P5	c	c	c	c	PEAK	B5	c	c	c	c
P6	e	e	e	e	FADER	B6	e	e	e	e
P7	d	d	d	d	FLEX	S1	d	d	d	d
P8	j, p	j, p	j, p	j, p	ALCA	-	j, p	j, p	j, p	j, p
P9	m	col2	m	m	DDB	B7	m	col1	m	m
P10	h	h, n	h	h	DDC	B8	h	h, n	h	h
P11	k	REC	k	-	(	B9	k	REC	k	-
P12	▯ ▯	PLAY	n	n	◥ ◢	B10	▯ ▯	PLAY	n	n
P13	—	BLE	r	-	)	B11	—	BLE	r	-
P14	◁	XD	▷	-	RELAY/SKIP	B12	◁	XD	▷	-



(10G~7G, 4G~1G)

7.2 TEST MODE

7.2.1 Entering the Test Mode

While both mechanisms are stop, press the TIME/COUNT, RESET keys of DECK Ⅰ and PAUSE key of DECK Ⅱ together to enter the test mode. (Refer to Fig. 1)

7.2.2 Exiting the Test Mode

- Press the RESET key of DECK Ⅰ.
- Press the STANDBY key.
- Turn off the power.

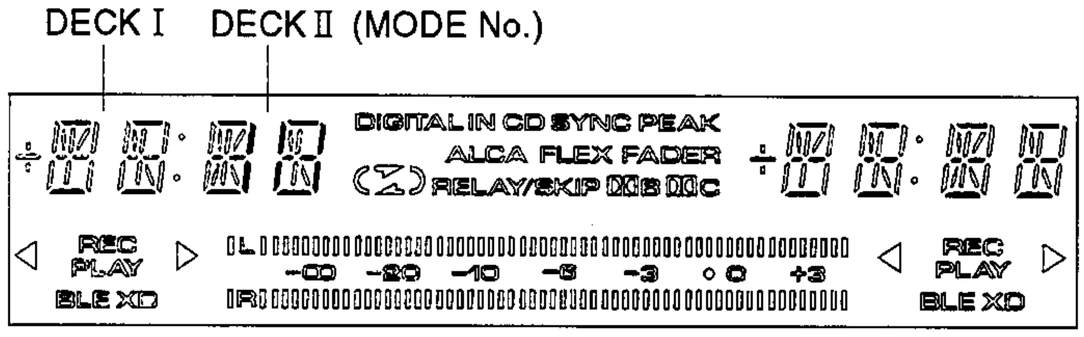
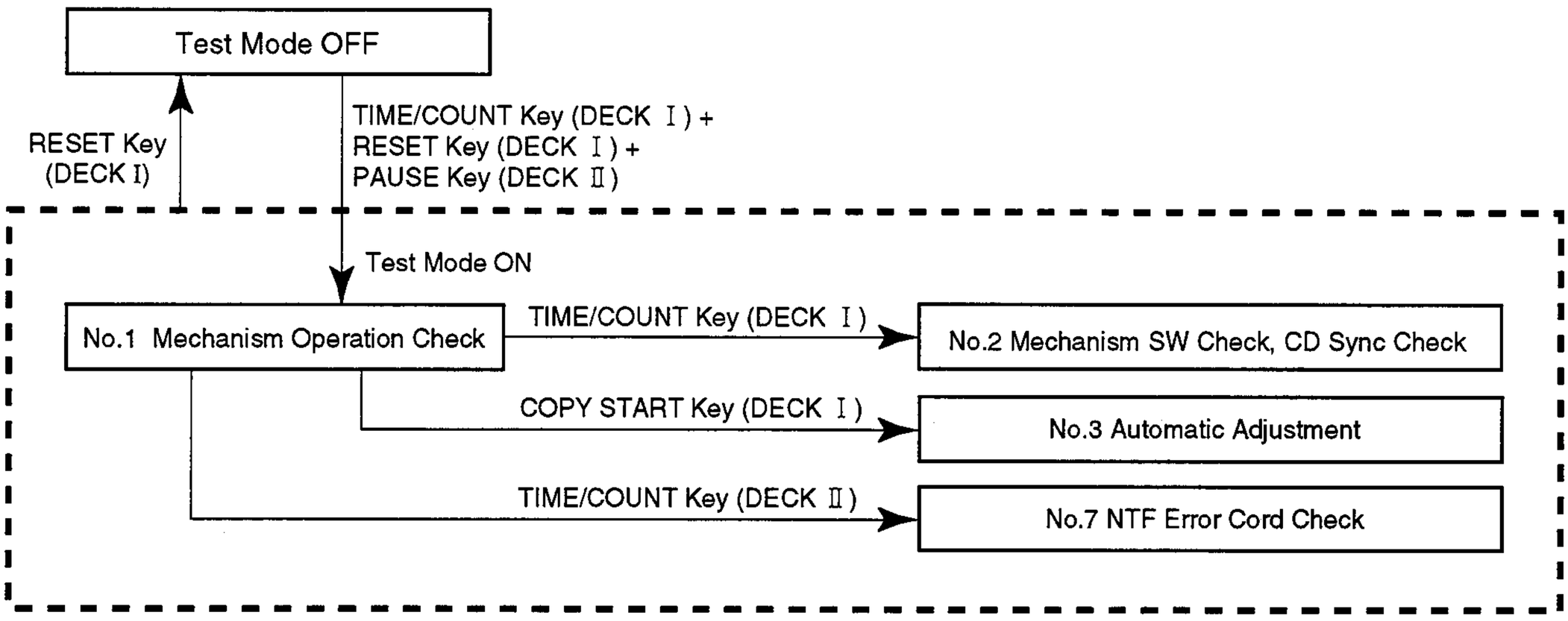


Fig. 1 FL Display Example

7.2.3 Shifting to Test Mode State



* During the test mode, pressing the STOP key (DECK Ⅰ or DECK Ⅱ) will set test mode No. 1.

7.2.4 Main Test Mode Items

Test mode No.1 ..... Mechanism Operation Check
Test mode No.2 ..... Mechanism SW Check, CD Sync Check
Test mode No.3 ..... Automatic Adjustment
Test mode No.7 ..... NTF Error Code Check

7.2.5 Test Mode No. 1 (Mechanism Operation Check)

■ Operations specifications

DECK Ⅰ Display	DECK Ⅱ Display	Input Key	Adjustment and Check
10	(TUNE)	STOP	◇ The mechanism operates without the half in this mode.
		FWD	◇ Test speed adjustment
		REV	・ During PLAY (except in assisting), when FF or REW key is pressed, ×2 speed PLAY is set.
		FF	・ During ×2 speed PLAY , when FWD or REV key is pressed, constant speed PLAY is set.
		REW	◇ Auto stop check
		REC	・ Sets RELAY ON forcibly.
		PAUSE	However no relay during REC.
		MUTE	・ Even at tape end directly after PLAY, the auto stop time is 1 second. (Normally 4 seconds)
		COPY MODE	・ Reverse operations are normally performed.
		COPY START	

When automatic adjustment has been completed, "TUNE" lights on the DECK Ⅱ counter.

7.2.6 Test Mode No. 2 (Mechanism SW Check, CD Sync Check)

■ Entering the Mechanism SW check mode

Press the TIME/COUNT key.

■ Exiting the Mechanism SW check mode

When the STOP key (DECK Ⅰ or DECK Ⅱ) is pressed, test mode No. 1 is set.

■ Operations specifications

DECK Ⅰ Display	DECK Ⅱ Display	Input Key	Line Mute	REC Mute	Bias	Adjustment and Check
20			ON	ON	OFF	◇ SW check ・When there is a half, each counter shows "H" at the second digit from the left. ・Accidental erasure detection check FWD recordable: " ► " lights up (DECK Ⅱ) REV recordable: " ◄ " lights up (DECK Ⅱ) ・Tape type check When there is a tape, display is made at the first digit from the left on the counter. NORMAL TAPE : " n " CrO2 TAPE : " C " METAL TAPE : " M " ◇ Door open / close check (CT-W706DR only) When the side 1 door is open /close, display is made at the 3rd digit from the left on the side 2 counter. When the side 2 door is open /close, display is made at the 4th digit from the left on the side 2 counter. OPEN : "O" CLOSE : "C"
		CD SYNC				◇ CD sync check When the cord whose input and output are short-circuited is connected, and the CD SYNCHRO key is pressed, " CD SYNC " display lights up.

7.2.7 Test Mode No. 3 (Automatic Adjustment)

For details, refer to " 6. ADJUSTMENT".

DECK Ⅰ Display	DECK Ⅱ Display	Input Key	Adjustment and Check
PBR	PBR	STOP FWD REV REC	① Press the COPY START key to enter the test mode. ② When the REC key (DECK Ⅱ) is pressed. ④ Execute adjustment of recording bias and recording level. ⑤ When all adjustments have been completed, "PBR" lights on the DECK Ⅱ side counter. ⑥ When the STOP key (DECK Ⅰ or DECK Ⅱ) is pressed, test mode No. 1 is set.

7.2.8 Test Mode No. 7 (NTF Error Code Check Mode)

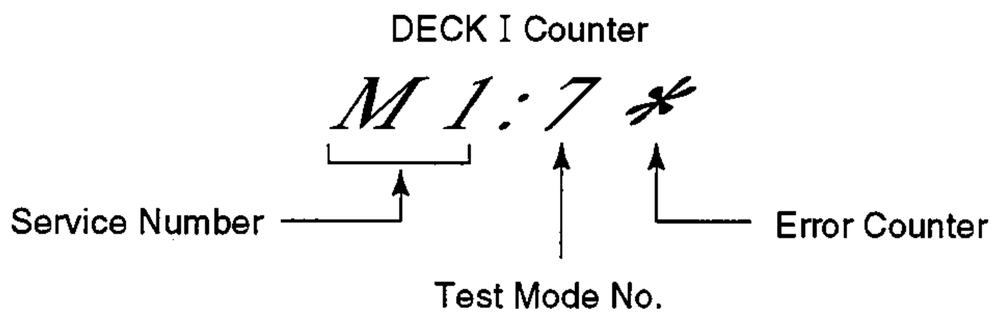
■ Entering the NTF error code check mode

Press the TIME/COUNT key of DECK Ⅱ.
When pressed again, the counter changes as follows.
1 ⇨ 2 ⇨ 3 ⇨ 1

■ Exiting the NTF error code check mode

- When the STOP key (DECK Ⅰ) is pressed, test mode No. 1 is set.
- When repair has been completed, reset the recorded error. (Press the STOP key, and press the TIME/COUNT key (DECK Ⅰ) and the MUTE key (DECK Ⅱ) immediately after entry into test mode.)

■ NTF error code check mode display



■ Operations specifications

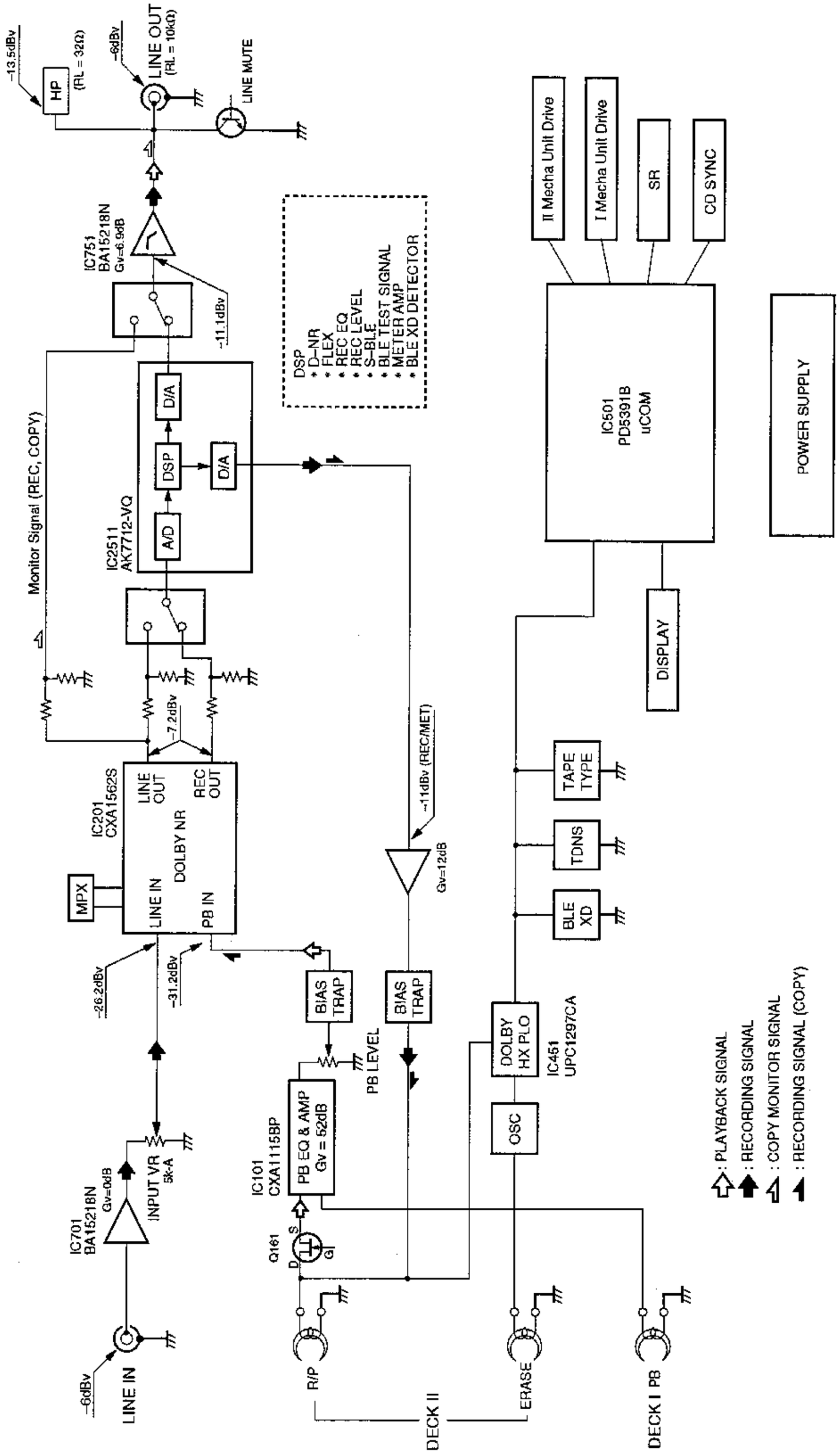
Error Location	Service No.	State of Unit	Cause
BLE	B1 (DECKⅡ) B3 (DECKⅠ)	BLE Adjustment Error	· The take-up side reel table stops during BLE operations. · The sensor at the reel table is faulty. · Tape end is set.
	B2 (DECKⅡ) B4 (DECKⅠ)	BLE Adjustment Error	· The signals were not recorded during BLE operations.
Mechanism	M3	DECKⅠ is locked	· The mechanism and the half are engaged in DECK Ⅰ.
	M4	DECKⅡ is locked	· The mechanism and the half are engaged in DECK Ⅱ.
Cassette door	L1	Door loading of side 1	· It put top and bottom of Tape adversely and was going to close a door .
	L2	Door loading of side 2	· A door hits an obstacle, and a door doesn't finish opening .

* B3 and B4 on the DECK Ⅰ side and B1 and B2 on the DECK Ⅱ side light for the error No. of BLE errors.

■ Resetting the error code

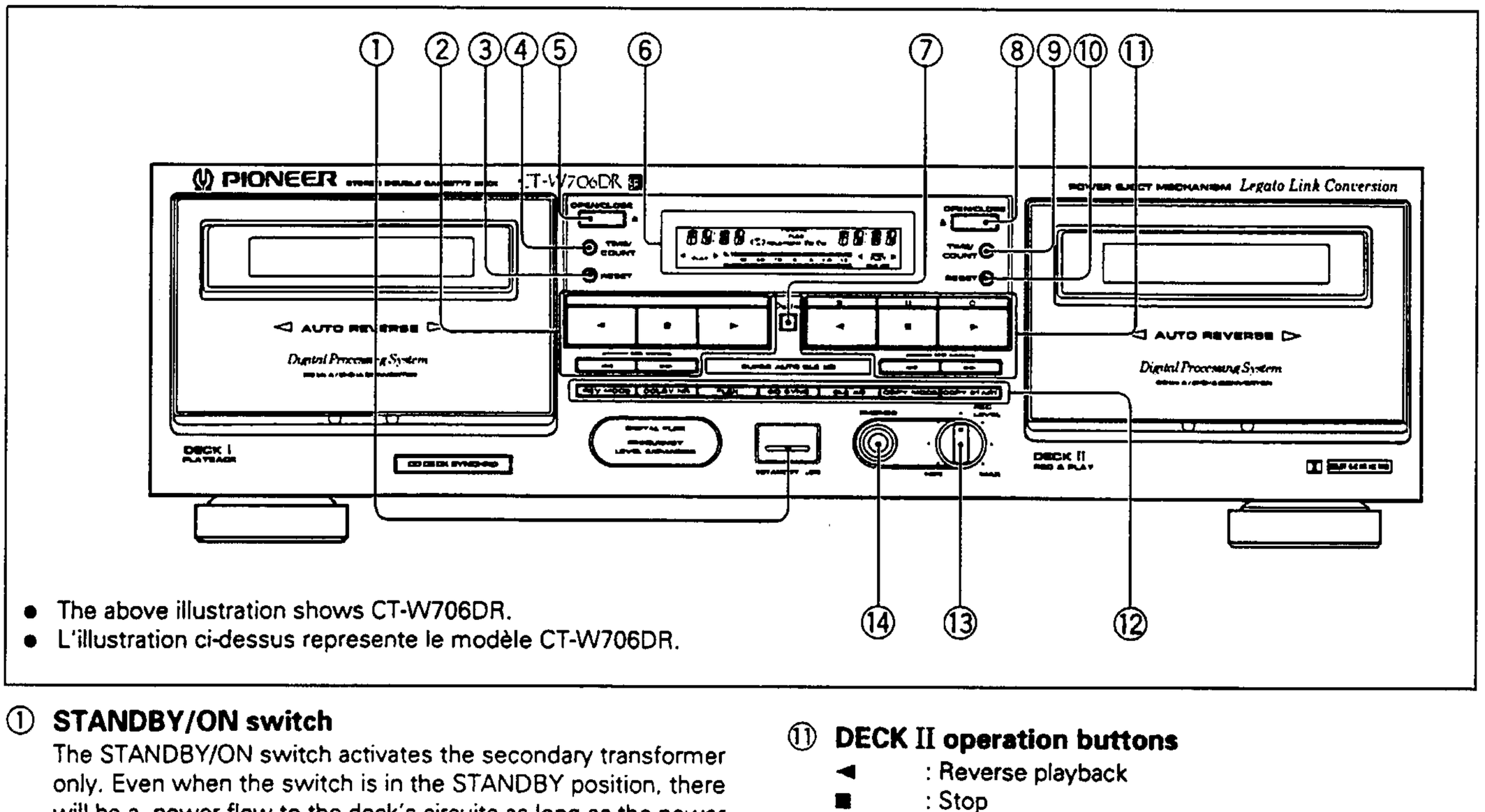
To reset, press the TIME/COUNT key of DECK Ⅰ and MUTE key of DECK Ⅱ together.

7.3 BLOCK DIAGRAM



8. PANEL FACILITIES AND SPECIFICATIONS

■ PANEL FACILITIES



- The above illustration shows CT-W706DR.
- L'illustration ci-dessus represente le modèle CT-W706DR.

① STANDBY/ON switch

The STANDBY/ON switch activates the secondary transformer only. Even when the switch is in the STANDBY position, there will be a power flow to the deck's circuits as long as the power cord is connected to a power outlet.

When the STANDBY/ON switch is left ON, standby mode is controlled by the connected amplifier's System Remote Control SR function. Press the POWER button on the remote control unit to select the standby mode.This mode is displayed as " ST-BY " on the DECK II counter.(except for Canadian model)

② Deck I operation buttons

◄ : Reverse playback
■ : Stop
► : Forward playback
◄◄/MS : Fast reverse/music search
►►/MS : Fast forward/music search

③ DECK I counter reset button (RESET)

④ DECK I counter mode button (TIME/COUNT)

⑤ DECK I OPEN/CLOSE button (CT-W706DR)

DECK I EJECT button (CT-W606DR, CT-W616DR) (▲)

- If the tape is moving (playback, tape winding, etc.), press the stop (■) button before pressing this button.

NOTE:

If the power is turned off while the tape is moving, the cassette door may remain locked. In this case, turn the power on before pressing the eject (▲) button.

⑥ Function display

⑦ Digital indicator

Turns off while the Digital-NR is OFF.

⑧ DECK II OPEN/CLOSE button (CT-W706DR)

DECK II EJECT button (CT-W606DR, CT-W616DR) (▲)

- If the tape is moving (recording, playback, tape winding, etc.), press the stop (■) button before pressing this button.

NOTE:

If the power is turned off while the tape is moving, the cassette door may remain locked. In this case, turn the power on before pressing the eject (▲) button.

⑨ DECK II counter mode button (TIME/COUNT)

⑩ DECK II counter reset button (RESET)

⑪ DECK II operation buttons

◄ : Reverse playback
■ : Stop
► : Forward playback
◄◄/MS : Fast reverse/music search
►►/MS : Fast forward/music search
O : Recording mute
II : Pause
● : Recording

⑫ REV MODE button

DOLBY* NR button (OFF/B/C)

*

- *Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.*
- *"DOLBY", the double-D symbol and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.*

FLEX button

CD-DECK SYNCHRO recording button (CD SYNC).

BLE XD button

COPY MODE button

TDNS : TDNS copy (Normal speed copy).
NOR : Normal speed copy.
HI : High speed copy.

COPY START button

⑬ Recording level control (REC LEVEL)

⑭ Headphones jack (PHONES)

■ SPECIFICATIONS

System ..... 4-track, 2-channel stereo
Heads ..... "Hard Permalloy" recording/playback head x 1
"Hard Permalloy" playback head x 1
"Ferrite" erasing head x 1
Motor ..... DC servo motor x 2
Loading motor x 2 (CT-W706DR)
Wow and Flutter ..... 0.09% (WRMS)
±0.19% (DIN)
Fast Winding Time ..... Approximately 100 seconds (C-60 tape)
Frequency Response
–20 dB recording:
TYPE IV (Metal) tape ..... 20 to 20.000 Hz
TYPE II (High/CrO_2) tape ..... 20 to 19.000 Hz
TYPE I (Normal) tape ..... 20 to 18.000 Hz
Signal-to-Noise Ratio
Dolby NR OFF ..... More than 57 dB
Signal-to-Noise Ratio (when Digital NR ON)
Dolby NR B or C-type ON ..... 90 dB
Dolby NR OFF ..... 82 dB
(TYPE I tape, 3rd distortion 3%, IEC. DIN AUDIO)
Harmonic Distortion ..... No more than 0.8%
(at –4 dB: 160 nwb/m)
Input (Sensitivity)
LINE (INPUT) ..... 100 mV (Input impedance 53 kΩ)
Output (Reference level)
LINE (OUTPUT) ..... 0.5 V (Output impedance 1.9 kΩ)
Headphones ..... 1.33 mW (Load impedance 32 Ω)

Miscellaneous

Power Requirements
Canadian model ..... AC 120 V, 60 Hz
European models ..... AC 220~230 V, 50/60 Hz
Multi-voltage models ..... AC 110/120–127/220/230–240V
(switchable), 50/60 Hz
Power Consumption
Canadian model ..... 17 W
European models ..... 19 W
Multi-voltage models ..... 19 W
Dimensions ..... 420(W) x 125(H) x 250(D) mm
16-1/2 (W) x 4-15/16 (H) x 9-13/16 (D) in
Weight (without package)
Canadian models ..... 4.4kg (9 lb 11 oz)
European model ..... 4.4kg (9 lb 11 oz)
Multi-voltage models ..... 4.4kg (9 lb 11 oz)

Subfunctions

- Automatic reverse
- DOLBY HX PRO system
- DOLBY B/C type NR systems
- Music search up to ±15 selections
- Synchronized copy start
- High-speed and normal-speed copy (DECK I → DECK II)
- Relay playback/blank skip
- CD•DECK SYNCHRO recording capability
- Peak level meter with peak-hold function
- Automatic space recording mute
- Automatic tape selector
- SR System remote control available
- 2-mode electronic 4-digit twin tape counter
- Headphone jack
- DIGITAL FLEX system (Frequency Level Expander)
- DIGITAL TDNS system (Tape Duplication Noise Suppressor)
- DIGITAL SUPER AUTO BLE XD system
- LAST MEMORY
- DIGITAL NR
- Legato Link Conversion (CT-W706DR, CT-05D)
- Power Loading/Eject (CT-W706DR)
- MPX filter (Interlocks with DOLBY NR)

Accessories

Operating instructions 1
Connection cord with pin plugs 2
SR Remote control cord 1
CD•DECK SYNCHRO control cord 1

NOTE:

Specifications and design subject to possible modifications without notice, due to improvements.