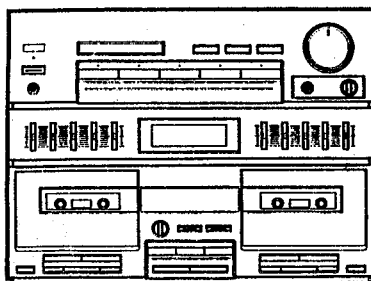


Service Manual

PIONEER®
The Art of Entertainment



ORDER NO.
ARP2170

STEREO DOUBLE CASSETTE DECK AMPLIFIER

DC-Z74

DC-Z74 HAS THE FOLLOWING :

Type	Power Requirement	Remarks
SD	AC110V, 120V-127V, 220V, 240V (Switchable)	
YPW	AC240V only	

- This manual is applicable to the DC-Z74/SD and YPW types.
- As to the YPW type, refer to pages 49-52.
- This product is a component of a system. As to the system composition, refer to the system manual.
- For adjustment refer to ADJUSTMENTS FOR XD-Z54T, XD-Z84T, DC-Z94, DC-Z84 and DC-Z74 (ARP2140).

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1. EXPLODED VIEWS, PACKING AND PARTS LIST

NOTES:

- Parts without part number cannot be supplied.
- The Δ 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.

1.1 EXTERIOR AND PACKING

Parts list of Exterior and Packing

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
	1	ROTARY KNOB (DOLBY NR)	AAB1136		41	REAR PAD L, R	AHA1405
	2	VOL KNOB (VOLUME)	AAB1200		42	PACKING CASE	AHD1964
	3	POWER BUTTON	AAD1674		43	SHEET	
	4	FUNCTION BUTTON (PLS)	AAD1894		44	FRONT PANEL	AMB1740
	5	REC. COPY BUTTON (PLS)	AAD1895		45	CHASSIS	
	6	DECK PLAY BUTTON (PLS)	AAD1896		46	REAR PANEL	
	7	AI BUTTON (SMART OPERATION, SURROUND & STEREO WIDE)	AAD1897		47	BONNET	ANE1271
	8	EJECT BUTTON L (PLS)	AAD1898		48	PACK HOLDER	
	9	EJECT BUTTON R (PLS)	AAD1922		49	HEAT SINK HOLDER B	
	10	LENS (POWER IND.)	AAK1800		50	PRESSURE METAL	
	11	FILTER (REMOTE SENSOR)	AAK1812		51	HEAT SINK HOLDER A	
	12	DECORATIVE PLATE (DOOR)	AAK2065		52	PCB HOLDER	
	13	DECORATIVE PLATE A (DECK)	AAK2067		53	HOLDER	
	14	AI DECORATIVE PLATE	AAK2068		54	HEAT SINK	
	15	DECORATIVE PLATE (GEQ)	AAK2069		55	SHIELD PLATE (MECHA)	
◎	16	INDICATOR LENS	AAK2075		56	OPERATING INSTRUCTIONS (ENGLISH)	ARB1278
	17	AF ASSEMBLY	AWZ3335	◎	57	OPERATING INSTRUCTIONS (SPANISH)	ARC1232
	18	CASSETTE DOOR (R)	AAN1250		58	DISPLAY ASSEMBLY	AWZ3409
	19	CASSETTE DOOR (L)	AAN1251		59	1 MECHA SW ASSEMBLY	
	20	VR ASSEMBLY			60	2 MECHA SW ASSEMBLY	
	21	HEAD PHONE ASSEMBLY		◎	61	SUB TRANS ASSEMBLY	AWR1058
	22	TRANS CONNECT ASSEMBLY			62	MIC ASSEMBLY	
	23	FABEL (PAPER)	AAX1301		63	DAMPER ASSEMBLY	AXA1008
	24	SCREW	ABA-222		64	REMOTE CONTROL UNIT (CU-DC021)	AXD1184
	25	SCREW	ABA-298		65	SCREW	BBZ30P080FZK
	26	SCREW (STEEL)	ABA1009		66	SCREW	BPZ26P080FMC
	27	SCREW (STEEL)	ABA1011		67	2 MECHA UNIT	EXK2010
	28	SCREW	ABA1018		68	1 MECHA UNIT	EXK2020
	29	SCREW	ABA1082		69	NUT	NK90FUC
	30	SCREW (STEEL)	ABA1095		70	SCREW	VPZ30P080FMC
	31	DOOR SPRING L	ABH1068		71	SCREW	VPZ30P080FZK
	32	DOOR SPRING R	ABH1069	Δ	72	FUSE (T2.5A, FU101)	AEK-403
	33	KEEP PLATE	ABK1016	Δ	73	FUSE (T1A, FU102)	AEK-402
Δ	34	AC POWER CORD	ADG1051	Δ	74	FUSE (T1A, FU103)	AEK-402
	35	NYLON BINDER		Δ	75	FUSE (T800mA, FU151)	AEK-031
	36	LEG ASSEMBLY	AEC-847	Δ	76	FUSE (T800mA, FU152)	AEK-031
	37	STRAIN RELIEF	AEC-882	Δ	77	VOLTAGE SELECTOR (S101)	AKX1004
	38	NYLON RIVET	AEC1160	Δ	78	VOLTAGE SELECTOR (S102)	AKX-507
	39	DRY CELL BATTERY (R03, AAA)		Δ	79	POWER TRANSFORMER (T102)	ATS1315
	40	FRONT PAD L, R	AHA1404				

Exterior

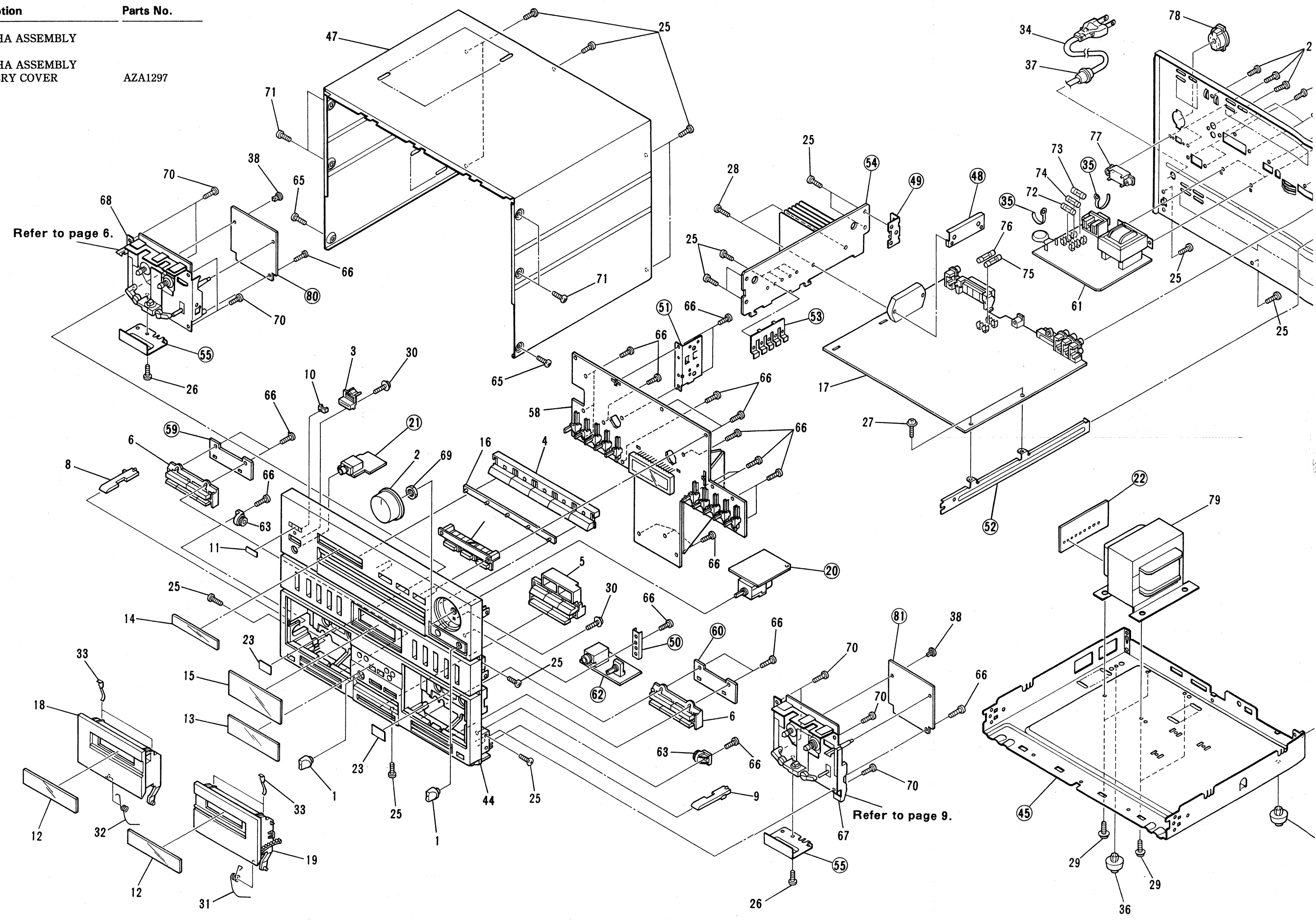
Mark	No.	Description	Parts No.
	80	1 MECHA ASSEMBLY	
	81	2 MECHA ASSEMBLY	
	82	BATTERY COVER	AZA1297

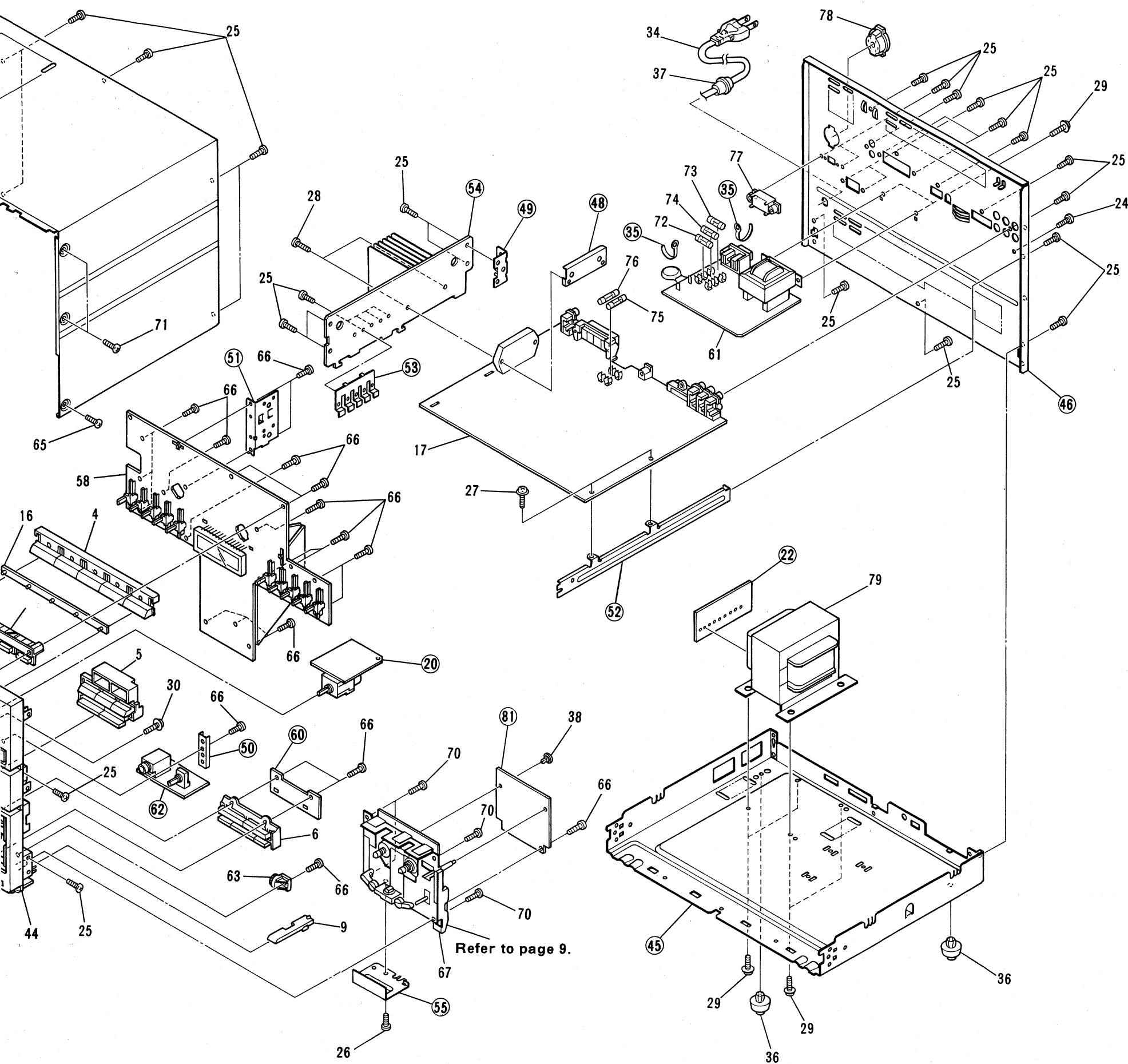
A

B

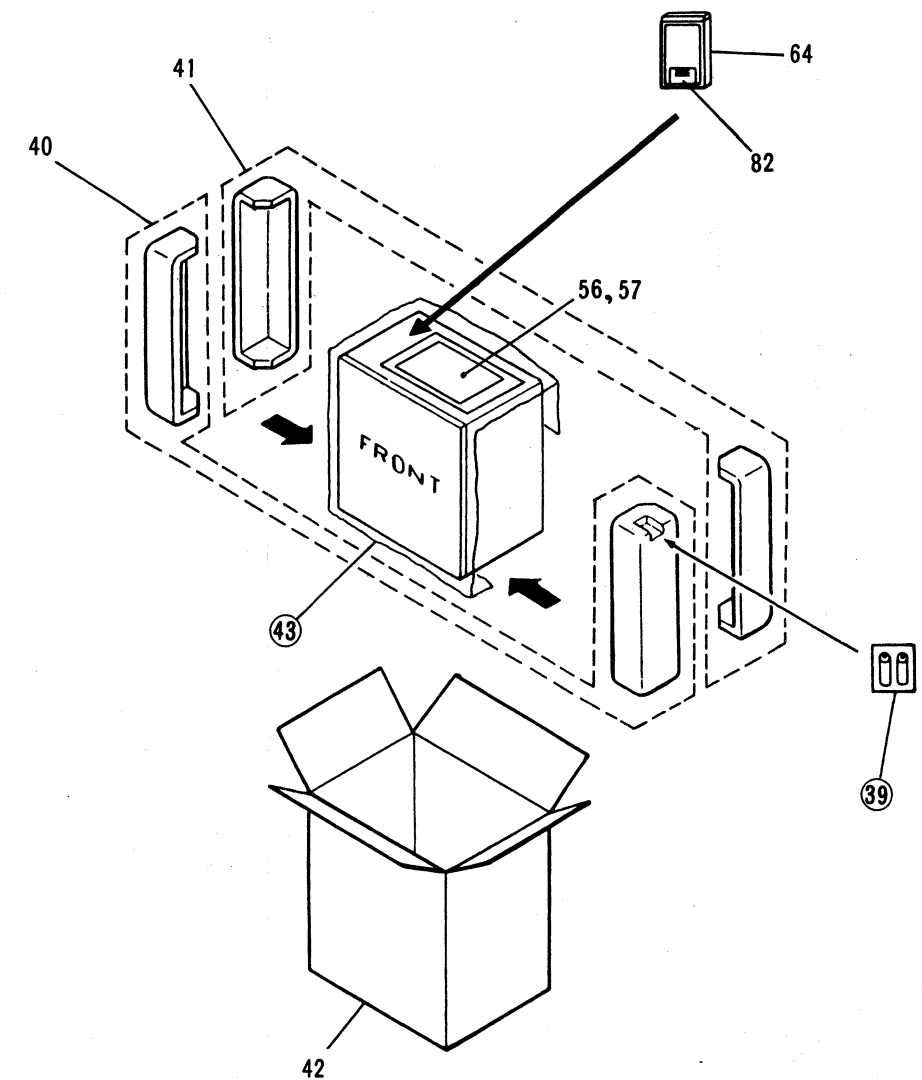
C

D





Packing



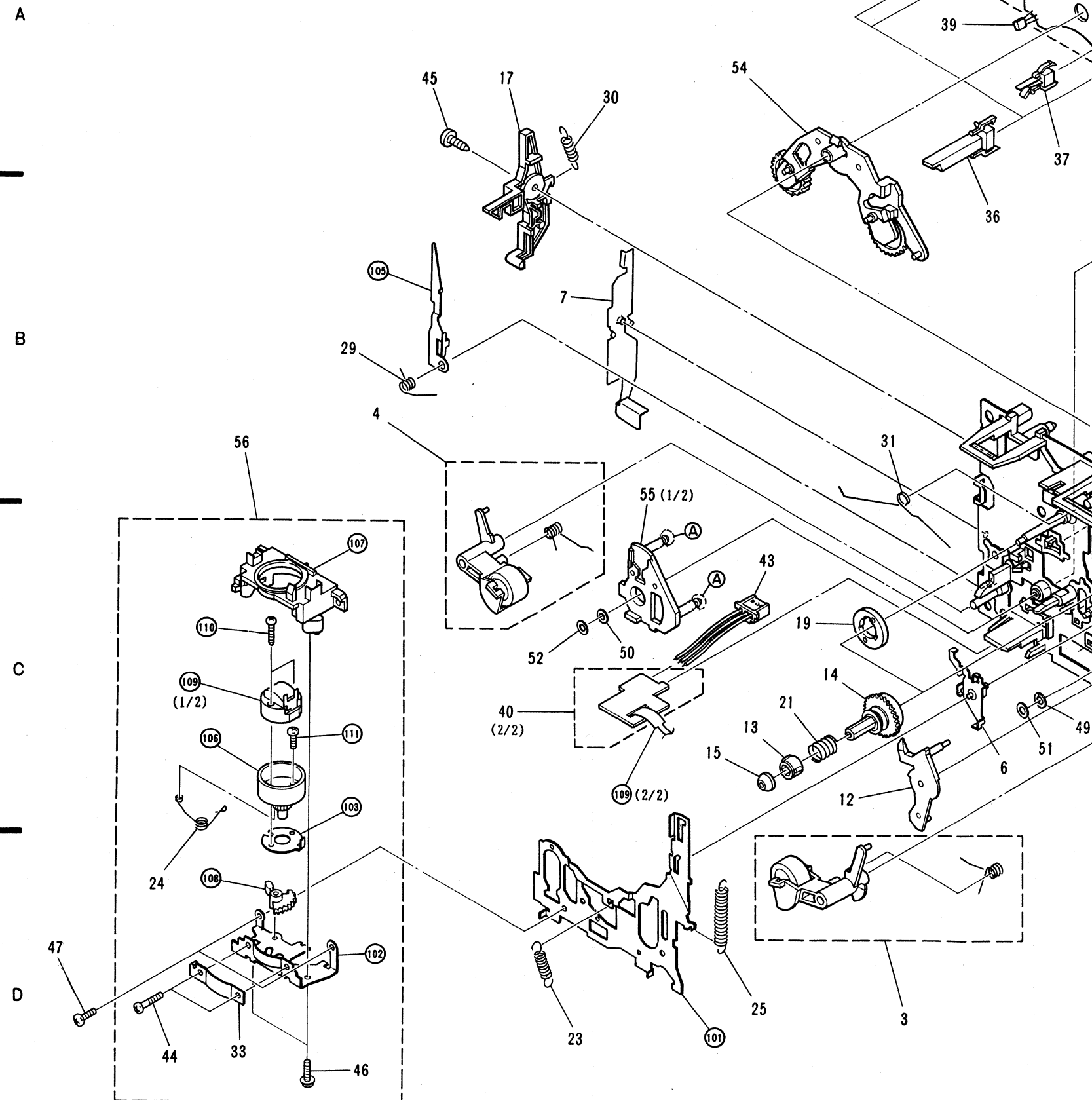
1.2 1 MECHA UNIT (EXK2020)

Parts list of 1 Mecha unit

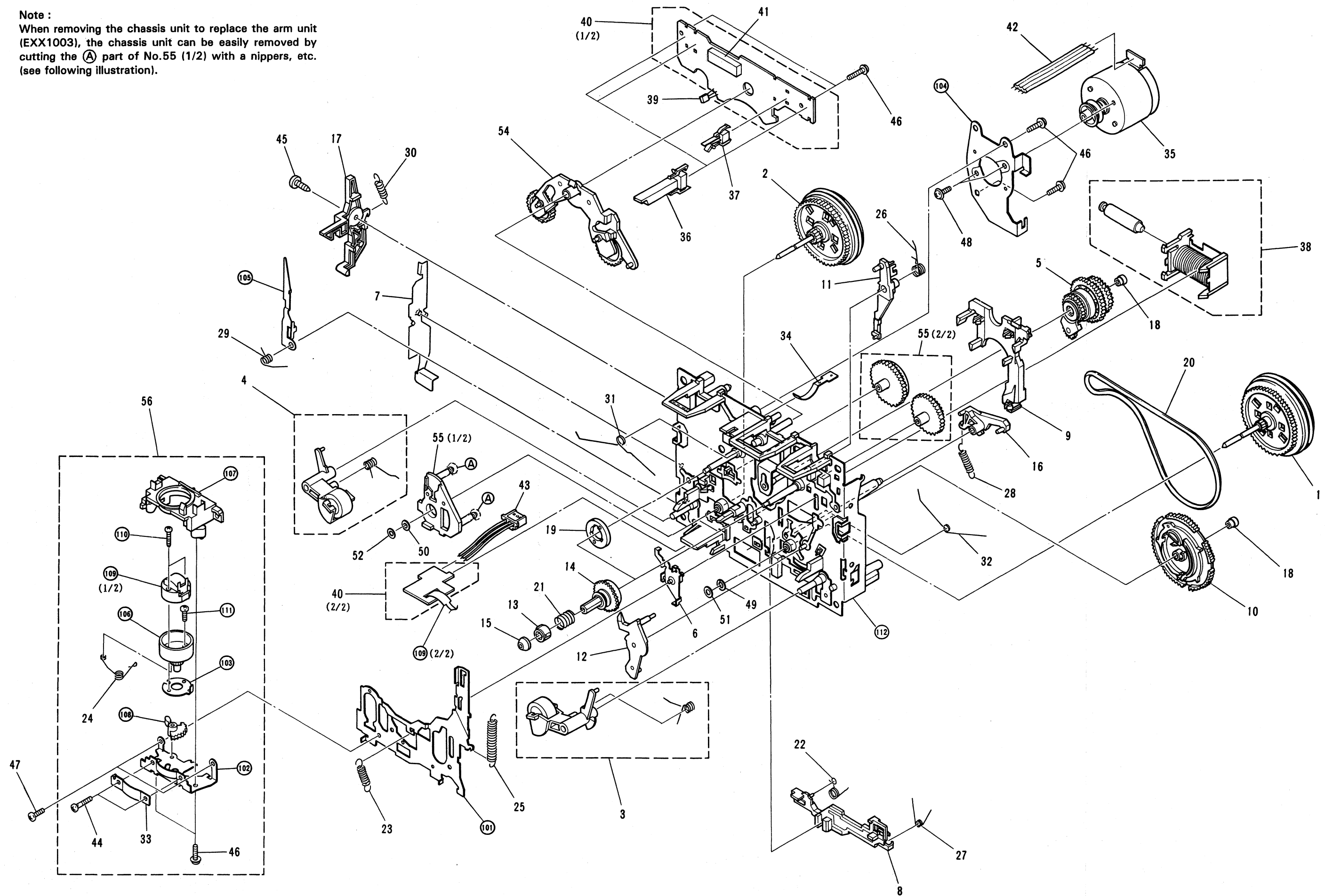
Mark	No.	Description	Parts No.
	1	FLYWHEEL UNIT (FWD)	EXA1102
	2	FLYWHEEL UNIT (RVS)	EXA1103
	3	ROLLER UNIT (FWD)	EXA1104
	4	ROLLER UNIT (RVS)	EXA1105
	5	LIMITER UNIT	EXA1106
	6	LEVER UNIT	EXA1107
	7	ARM	AZN2063
	8	NR LEVER	ENV1155
	9	BRAKE	ENV1157
	10	CAM GEAR	ENV1158
	11	LOCK ARM	ENV1159
	12	NR ARM	ENV1163
	13	REEL COLLAR	ENV1164
	14	REEL	ENV1170
	15	REEL BUSH	ENV1178
	16	ARM	ENV1181
	17	ARM	AZN2069
	18	BUSH	ENV1184
	19	MAGNET	ENV1185
	20	BELT	ENT1015
	21	SPRING	EBH1201
	22	SPRING	EBH1202
	23	SPRING	EBH1203
	24	SPRING	EBH1204
	25	SPRING	EBH1208
	26	SPRING	EBH1209
	27	SPRING	EBH1210
	28	SPRING	EBH1211
	29	SPRING	EBH1255
	30	SPRING	EBH1213
	31	SPRING	EBH1220
	32	SPRING	EBH1256
	33	SPRING	EBL1013
	34	SPRING	EBL1014
	35	MOTOR UNIT	EXA1108
	36	SWITCH (Detect)	ESN1003
	37	SWITCH (Mode)	ESN1004
	38	SOLENOID	EXP1005
	39	HALL IC	DN6847SE
	40	P.C.BOARD	ENX1002
	41	CONNECTOR	EKS1013
	42	LEAD WIRE	EDD1003
	43	CONNECTOR	EDE1009
	44	SCREW	EBA1020
	45	SCREW	EBA1021

Mark	No.	Description	Parts No.
	46	SCREW (M2 × 8)	ATZ20P080FMC
	47	SCREW	BSZ20P050FMC
	48	SCREW	PMS26P025FCU
	49	WASHER	EBF1008
	50	WASHER	EBF1009
	51	WASHER	EBF1010
	52	WASHER	EBF1011
	53	.....	
	54	ARM UNIT	EXX1002
	55	ARM UNIT	EXX1003
	56	P HEAD ASSEMBLY	EXX1005
	101	HEAD BASE	
	102	BRACKET	
	103	PLATE	
	104	BRACKET	
	105	ARM	
	106	HOLDER	
	107	HOLDER	
	108	GEAR	
	109	P HEAD UNIT	
	110	SCREW	
	111	SCREW	
	112	CHASSIS UNIT	

Note :
When removing the chassis unit to replace the arm unit (EXX1003), the chassis unit can be easily removed by cutting the (A) part of No.55 (1/2) with a nippers, etc. (see following illustration).



Note :
When removing the chassis unit to replace the arm unit (EXX1003), the chassis unit can be easily removed by cutting the (A) part of No.55 (1/2) with a nippers, etc. (see following illustration).



1.3 2 MECHA UNIT (EXK2010)

Parts list of 2 Mecha unit

Mark	No.	Description	Parts No.
	1	FLYWHEEL UNIT (FWD)	EXA1102
	2	FLYWHEEL UNIT (RVS)	EXA1103
	3	ROLLER UNIT (FWD)	EXA1104
	4	ROLLER UNIT (RVS)	EXA1105
	5	LIMITER UNIT	EXA1106
	6	LEVER UNIT	EXA1107
	7	ARM	AZN2064
	8	NR LEVER	ENV1155
	9	BRAKE	ENV1157
	10	CAM GEAR	ENV1158
	11	LOCK ARM	ENV1159
	12	NR ARM	ENV1163
	13	REEL COLLAR	ENV1164
	14	REEL	ENV1170
	15	REEL BUSH	ENV1178
	16	ARM	ENV1181
	17	ARM	AZN2070
	18	BUSH	ENV1184
	19	MAGNET	ENV1185
	20	BELT	ENT1015
	21	SPRING	EBH1201
	22	SPRING	EBH1202
	23	SPRING	EBH1203
	24	SPRING	EBH1204
	25	SPRING	EBH1208
	26	SPRING	EBH1209
	27	SPRING	EBH1210
	28	SPRING	EBH1211
	29	SPRING	EBH1254
	30	SPRING	EBH1213
	31	SPRING	EBH1220
	32	SPRING	EBH1256
	33	SPRING	EBL1013
	34	SPRING	EBL1014
	35	MOTOR UNIT	EXA1108
	36	SWITCH (Detect)	ESN1003
	37	SWITCH (Mode)	ESN1004
	38	SOLENOID	EXP1005
	39	HALL IC	DN6847SE
	40	P.C.BOARD	ENX1002
	41	CONNECTOR	EKS1012
	42	LEAD WIRE	EDD1003
	43	CONNECTOR	EDE1008
	44	SCREW	EBA1020
	45	SCREW	EBA1021
	46	SCREW (M2×8)	ATZ20P080FMC
	47	SCREW	BSZ20P050FMC
	48	SCREW	PMS26P025FCU
	49	WASHER	EBF1008
	50	WASHER	EBF1009

Mark	No.	Description	Parts No.
	51	WASHER	EBF1010
	52	WASHER	EBF1011
	53	.....	.....
	54	ARM UNIT	EXX1002
	55	ARM UNIT	EXX1003
	56	R/P HEAD ASSEMBLY	EXX1004
	101	HEAD BASE	
	102	BRACKET	
	103	PLATE	
	104	BRACKET	
	105	ARM	
	106	HOLDER	
	107	HOLDER	
	108	GEAR	
	109	R/P HEAD UNIT	
	110	SCREW	
	111	SCREW	
	112	CHASSIS UNIT	

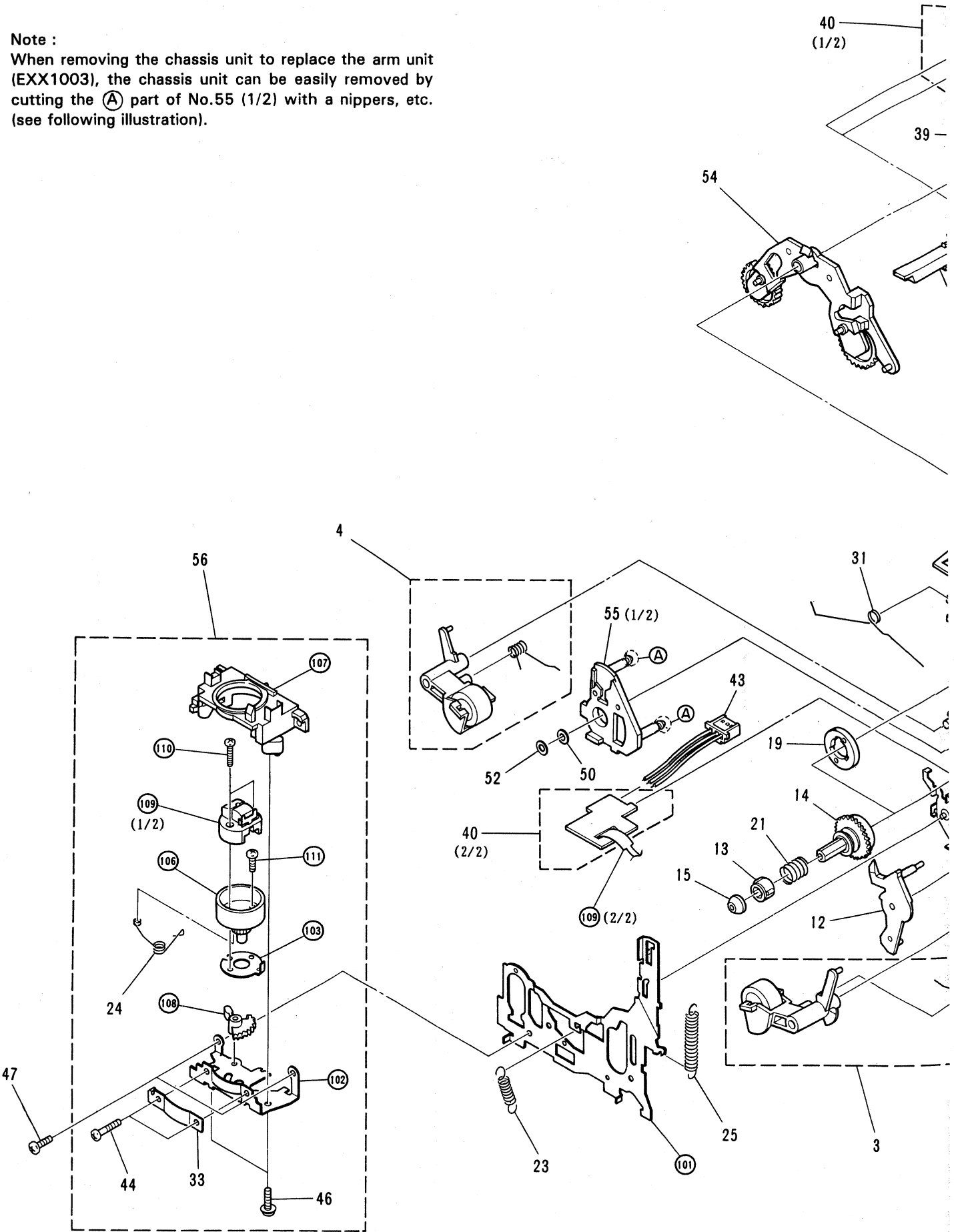
Note :
When removing the chassis unit to replace the arm unit (EXX1003), the chassis unit can be easily removed by cutting the (A) part of No.55 (1/2) with a nippers, etc. (see following illustration).

A

B

C

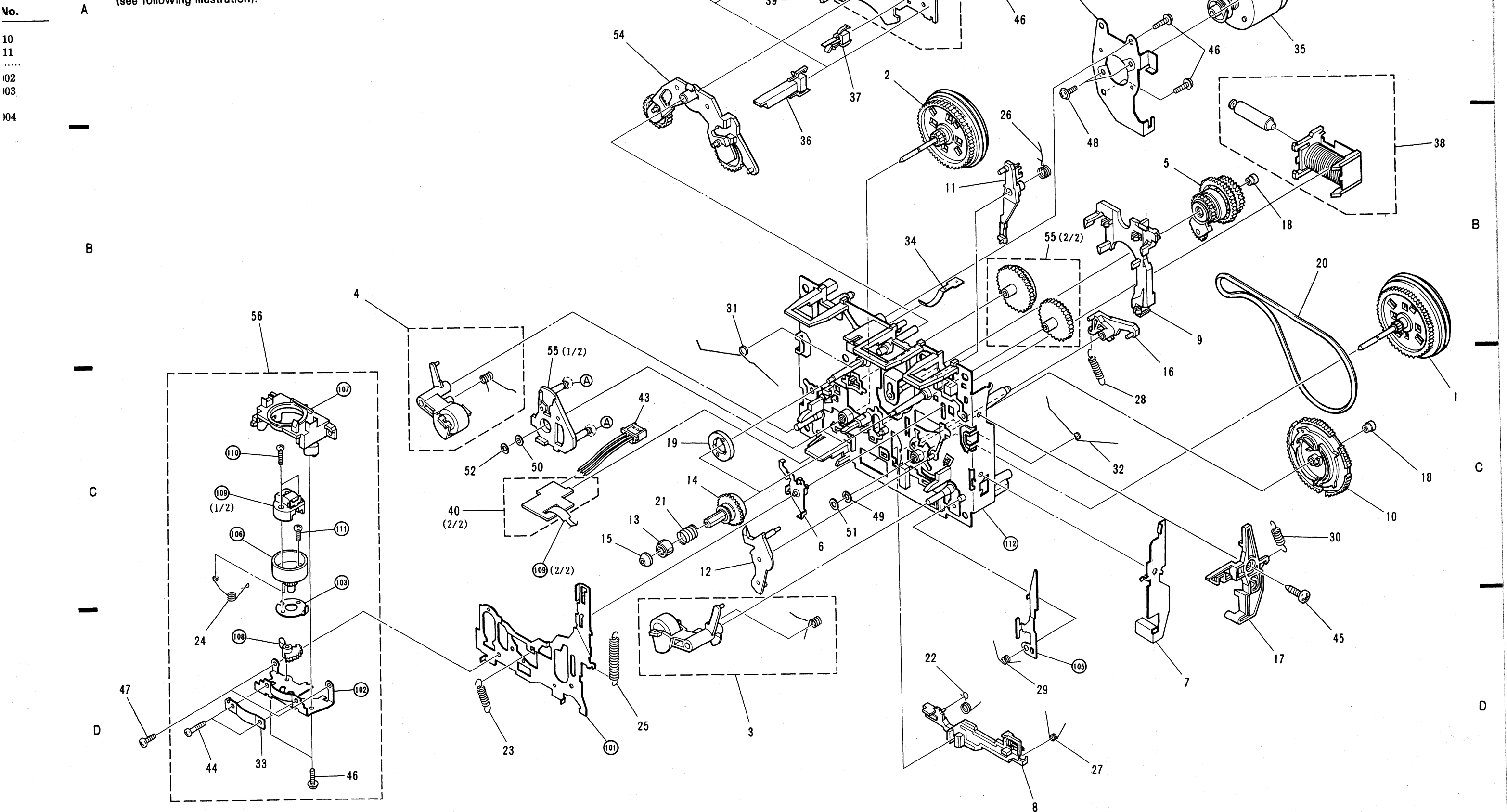
D



Note :
When removing the chassis unit to replace the arm unit (EXX1003), the chassis unit can be easily removed by cutting the (A) part of No.55 (1/2) with a nippers, etc. (see following illustration).

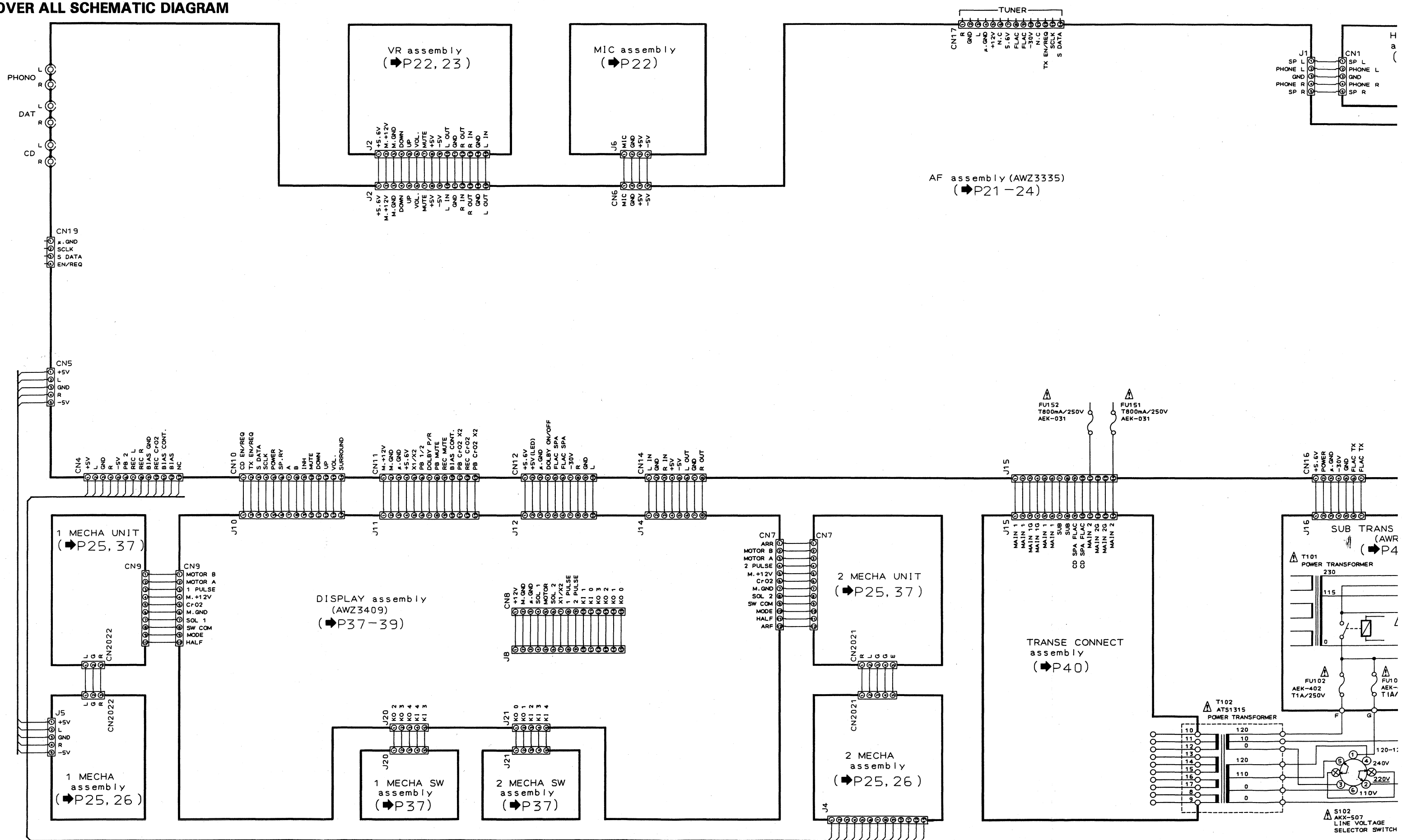
No.

10
11
.....
102
103
104

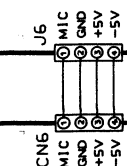


SCHEMATIC DIAGRAM AND P.C.BOARDS CONNECTION DIAGRAM

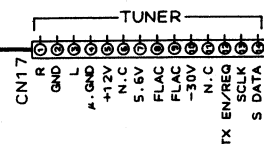
1 OVER ALL SCHEMATIC DIAGRAM



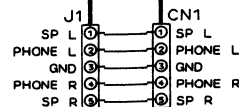
MIC assembly
(P22)



AF assembly (AWZ3335)
(P21-24)



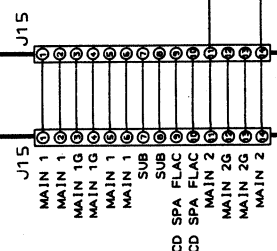
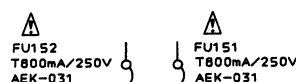
HEADPHONE
assembly
(P24)



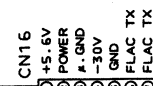
FRONT
SPEAKER

REAR
SPEAKER

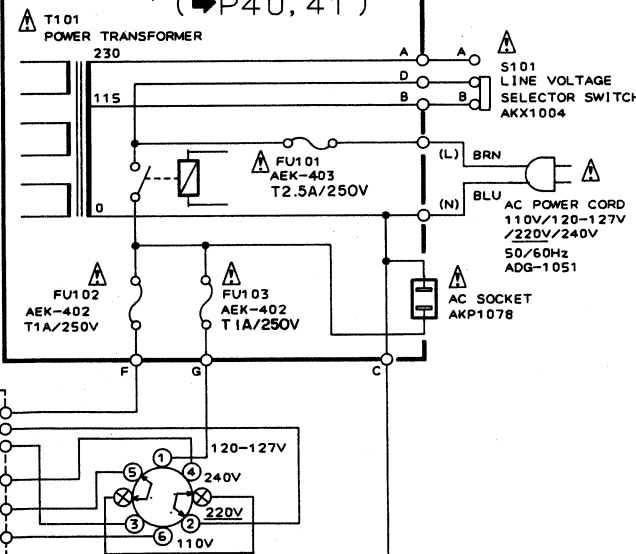
PL DC (+12V)



TRANSE CONNECT
assembly
(P40)



SUB TRANS assembly
(AWR1058)
(P40, 41)



1. RESISTORS:

Indicated in Ω , $\frac{1}{4}W$, $\frac{1}{2}W$, $\pm 5\%$ tolerance unless otherwise noted k: k Ω , M: M Ω , (F): $\pm 1\%$, (G): $\pm 2\%$, (K): $\pm 10\%$ (M): $\pm 20\%$ tolerance

2. CAPACITORS:

Indicated in capacity (μF)/voltage (V) unless otherwise noted p: pF Indication without voltage is 50V except electrolytic capacitor.

3. VOLTAGE, CURRENT:

Signal voltage at (33 W + 33 W 8 Ω) output (1kHz)
DC voltage (V) at no input signal
Value in () is DC voltage at rated power.
mA: DC current at no input signal

4. OTHERS:

Signal route.
Adjusting point.
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.
marked capacitors and resistors have parts numbers.

This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

SWITCHES:

LINE VOLTAGE SELECTOR SWITCH

S101 (SD TYPE ONLY)
S102 (SD TYPE ONLY)

DISPLAY assembly

1 MECH SW assembly

S1504 POWER	S1551 1 REV
S1505 VIDEO	S1552 1 PLAY
S1507 FADE/FINE	S1554 1 REV
S1510 AI MEMO	S1555 1 FF
S1511 AI BGM	
S1512 PHONO	
S1513 2 REC MUTE	2 MECH SW assembly
S1514 DISCO	S1556 2 STOP
S1516 SURR	S1557 2 REV
S1517 TAPE	S1558 2 PLAY
S1518 2 REC	S1559 2 REV
S1519 X2 COPY	S1560 2 FF
S1522 CD	
S1523 TX	
S1524 2 PAUSE	
S1525 X1 COPY	
S1528 DOLBY NR ON/OFF	

2 MECHA UNIT
(P25, 37)

2 MECHA
assembly
(P25, 26)

A

B

C

D

9 8 7 6 5 4



2.2 AF (AWZ3335), HEAD PHONE, VR and MIC assembly

A

To TRANS CONNECT assembly J15
(To page 42)

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504		Transistor
Q215		Radiator type transistor
D203		Diode
R237		Resistor
C513		Capacitor (Polarity)
C518		Capacitor (Non-polarity)

B

Others

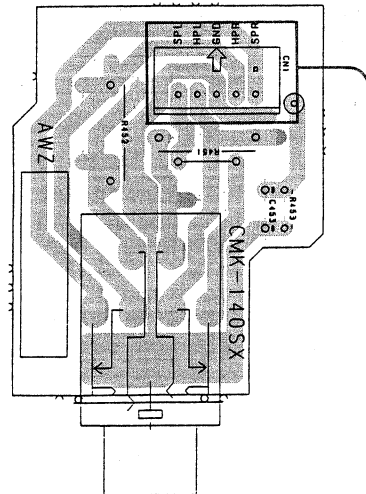
P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capacitor terminal marked with ⊕ (double circles) shows negative terminal.
4. The diode terminal marked with ⊕ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

C

To SUB TRANS assembly J16
(To page 42)

HEAD PHONE assembly



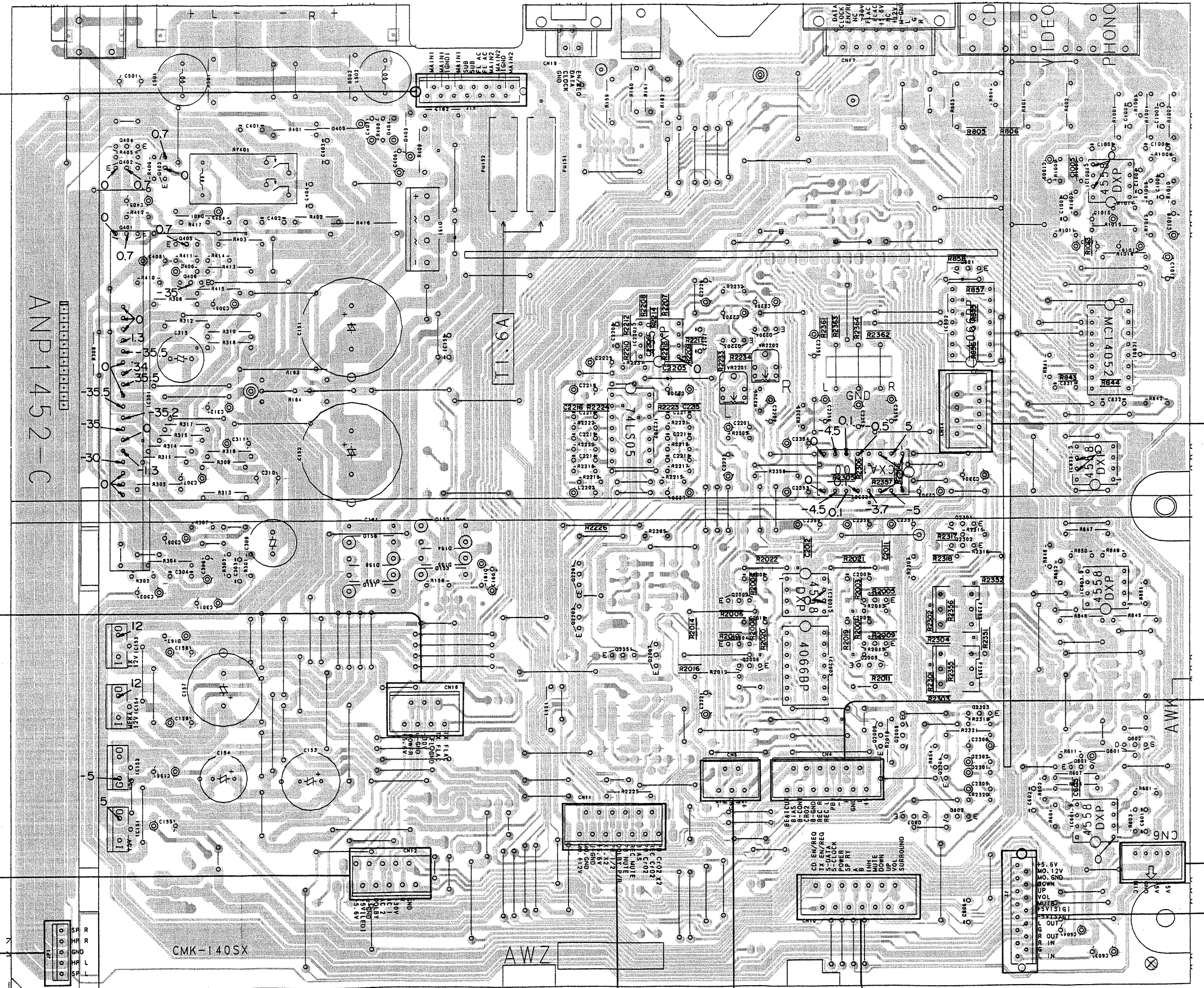
D

To DISPLAY assembly J12
(To page 35)

AF assembly (AWZ3335)

To DISPLAY assembly J11
(To page 34)

To 1MECHA assembly J5 (To page 27)



IC155

Q2202 Q2201

IC2202 IC2201
Q2351Q2203 Q2204
Q2001-Q2009 IC2001 IC2002

IC2302

Q2301-Q2304

Q803 Q802

Q801

IC802

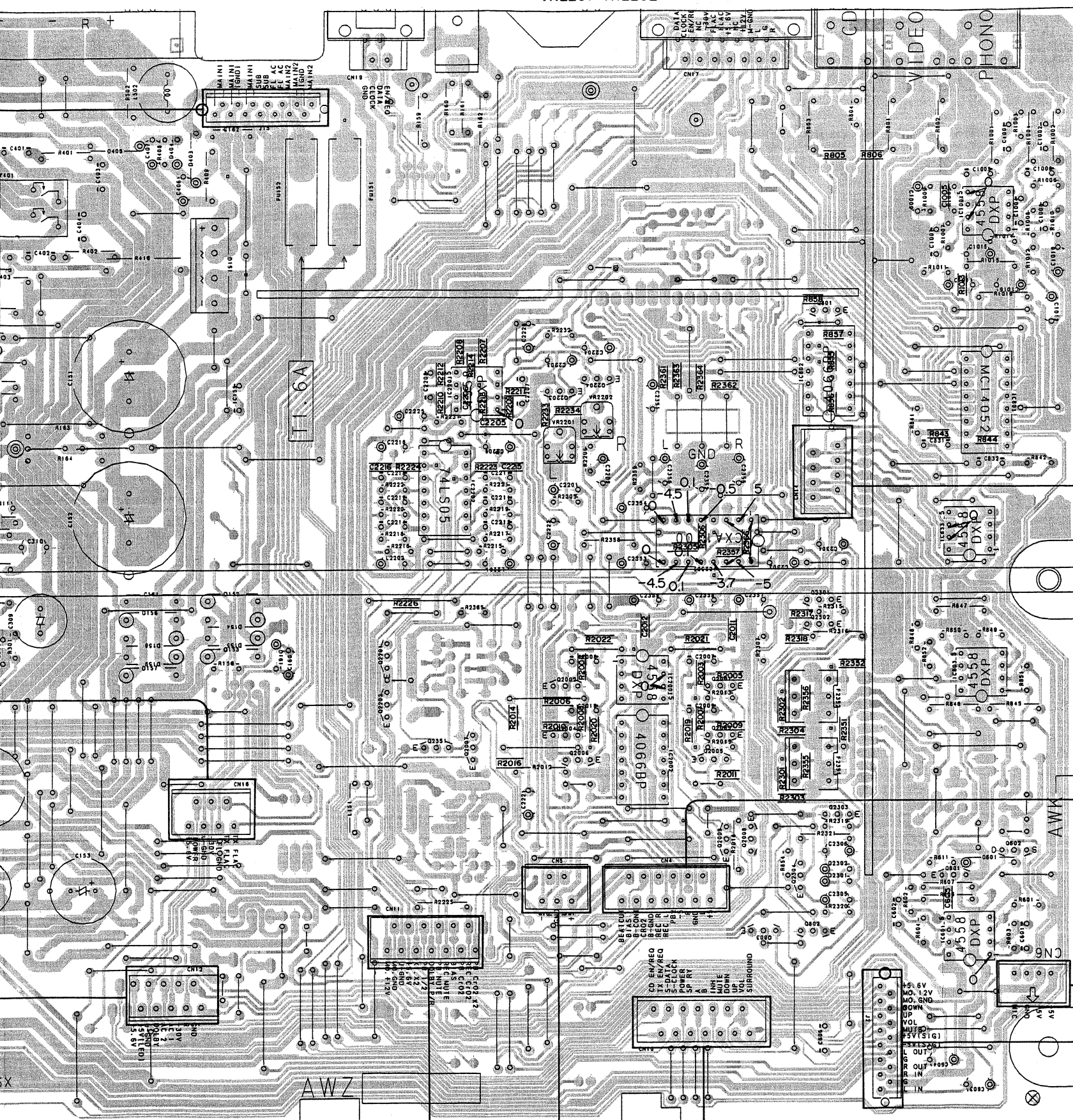
IC1001

IC833 IC801

IC803 Q602

Q601 IC601

VR2201 VR2202

To DISPLAY assembly J14
(To page 35)To 2MECHA assembly J4
(To page 29)

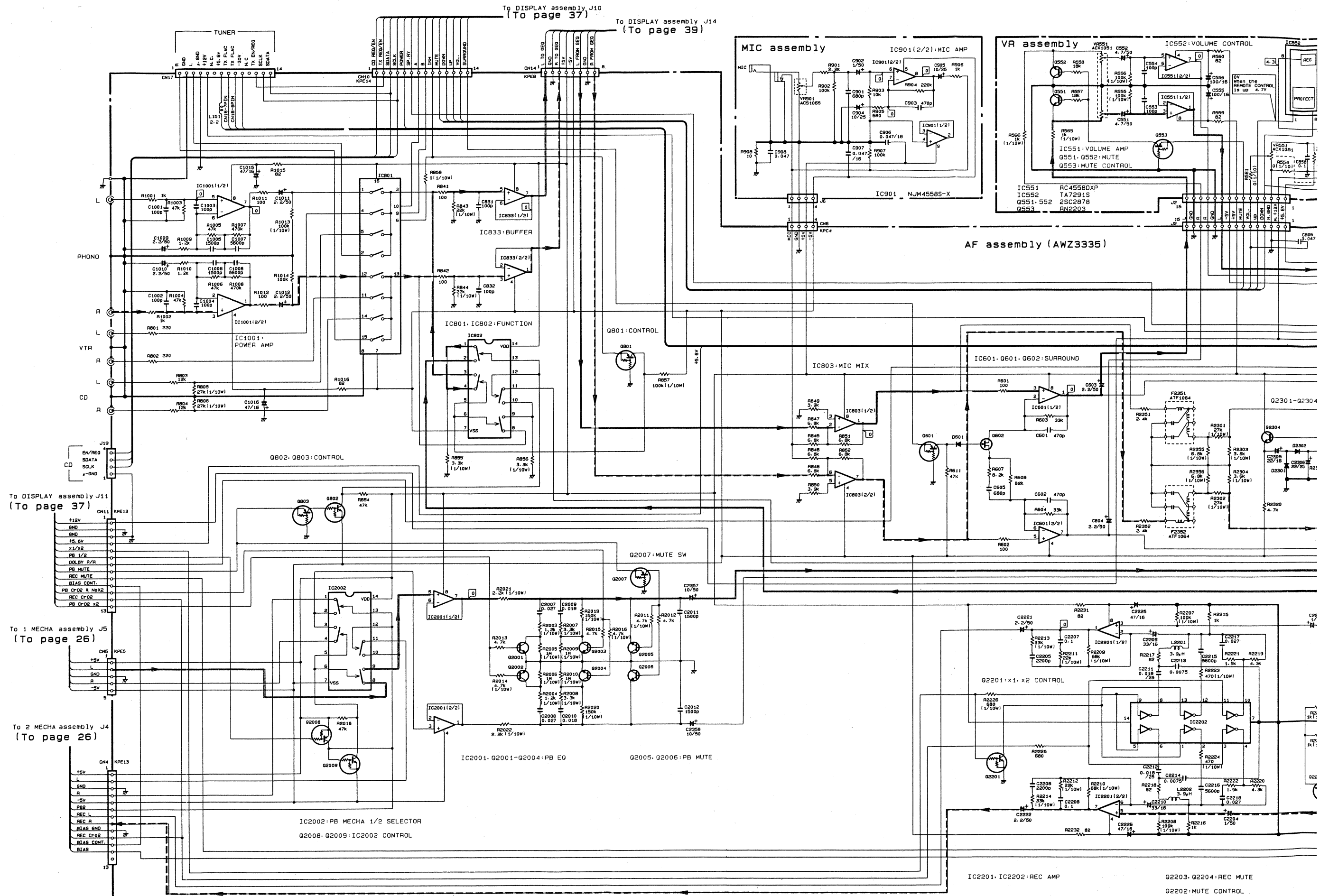
To 1MECHA assembly J5 (To page 27)

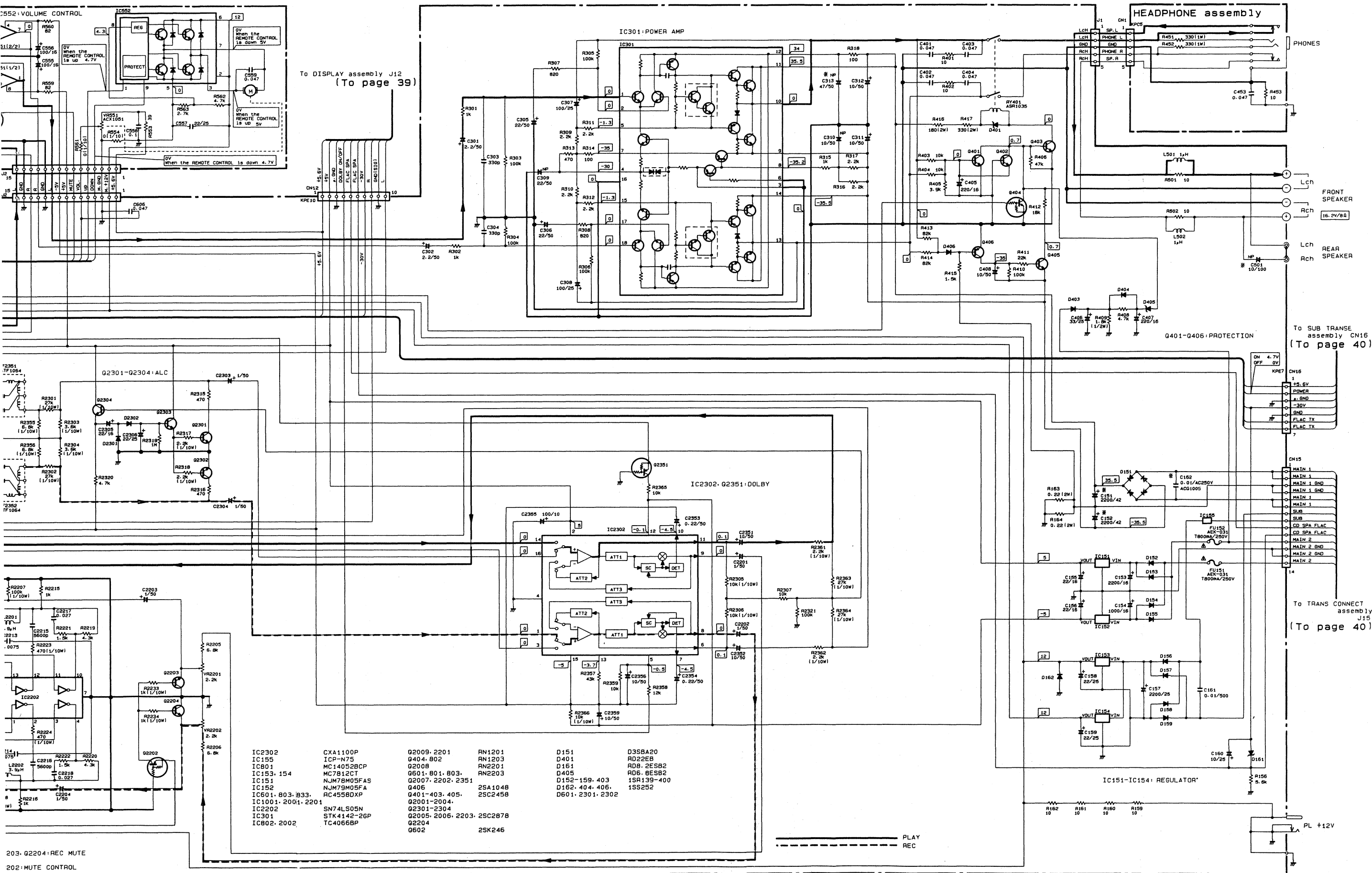
To DISPLAY assembly J10
(To page 34)0V
When the remote control is down 4.7 V0V
When the remote control is up 4.70V
When the remote control is up 5V0V
When the remote control is down 5V

VR assembly

MIC assembly

To DISPLAY assembly J11
(To page 34)





IC2302	CXA1100P	Q2009-2201	RN1201	D151	D35BA20
IC155	ICP-N75	Q404-802	RN1203	D401	RD22EB
IC801	MC14052BCP	Q2008	RN2201	D161	RD8.2ESB2
IC153-154	MC7812CT	Q601-801-803	RN2203	D405	RD6.6ESB2
IC151	NJM78M05FAS	Q2007-2202-2351		D152-159-403	1SR139-400
IC152	NJM79M05FA	Q406	2SA1048	D162-404-406	1SS252
IC601-803-833	RC4558DXP	Q401-403-405	2SC2458	D601-2301-2302	
IC1001-2001-2201	SN74LS05N	Q2001-2004			
IC2202	STK4142-26P	Q2301-2304			
IC301	TC4066BP	Q2005-2006-2203-25C2878			
IC802-2002		Q2204			
		Q602	25K246		

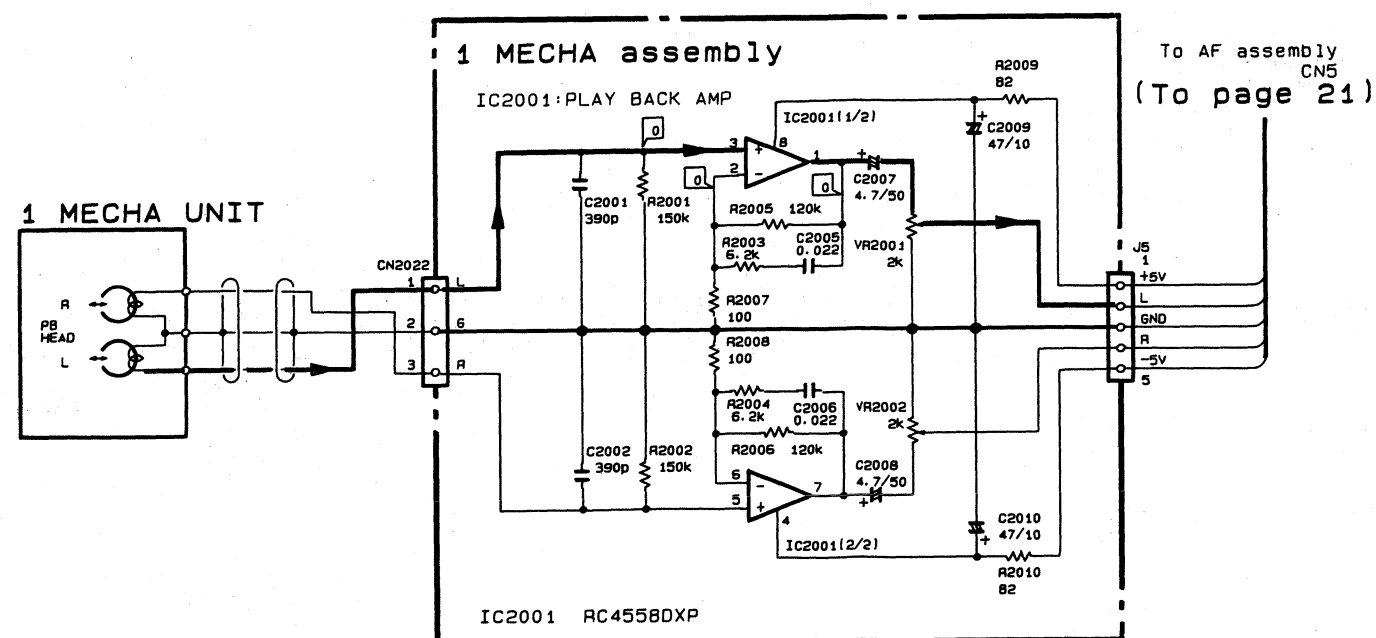
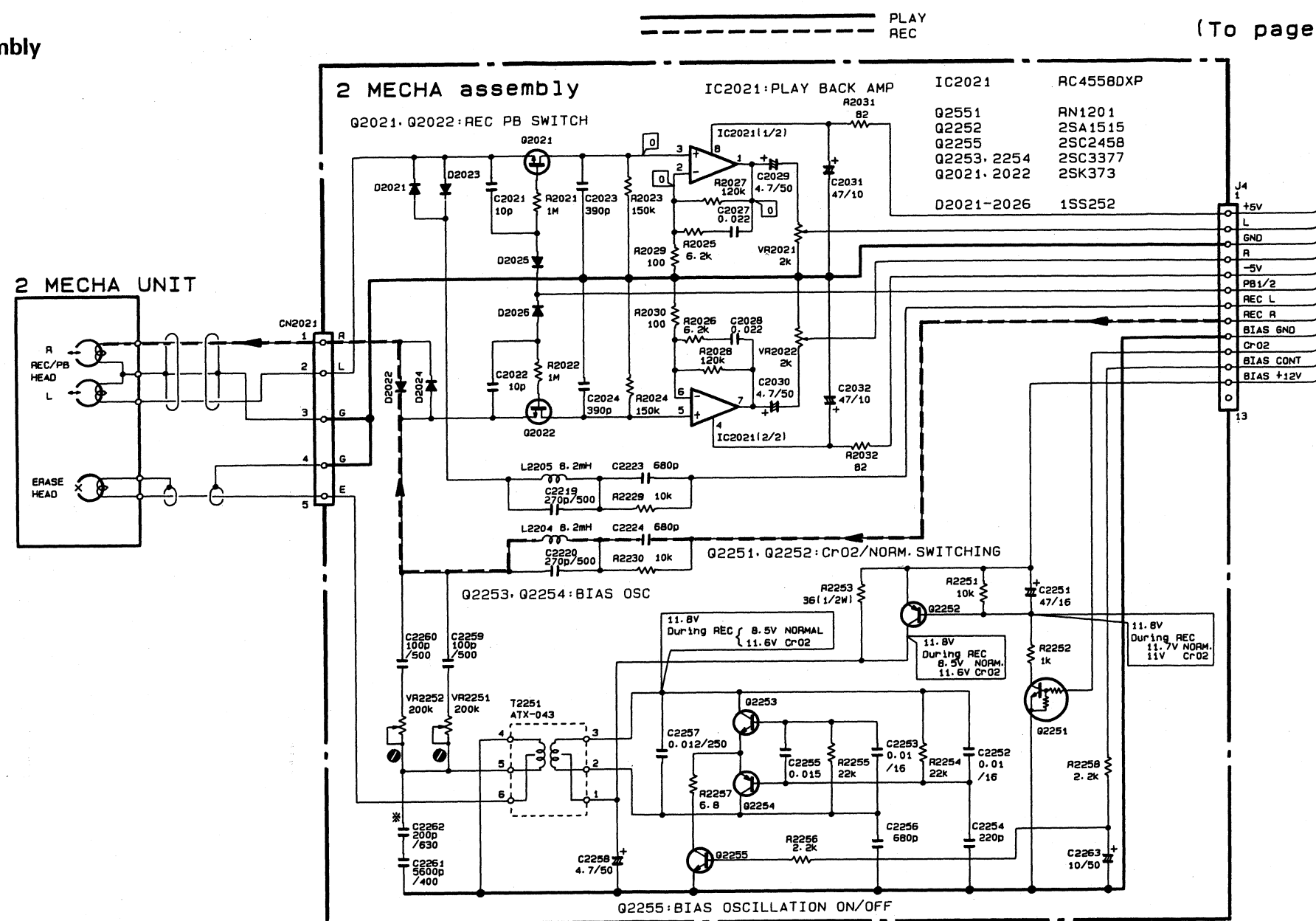
A

B

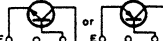
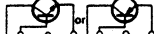
C

D

2.3 1 MECHA and 2 MECHA assembly

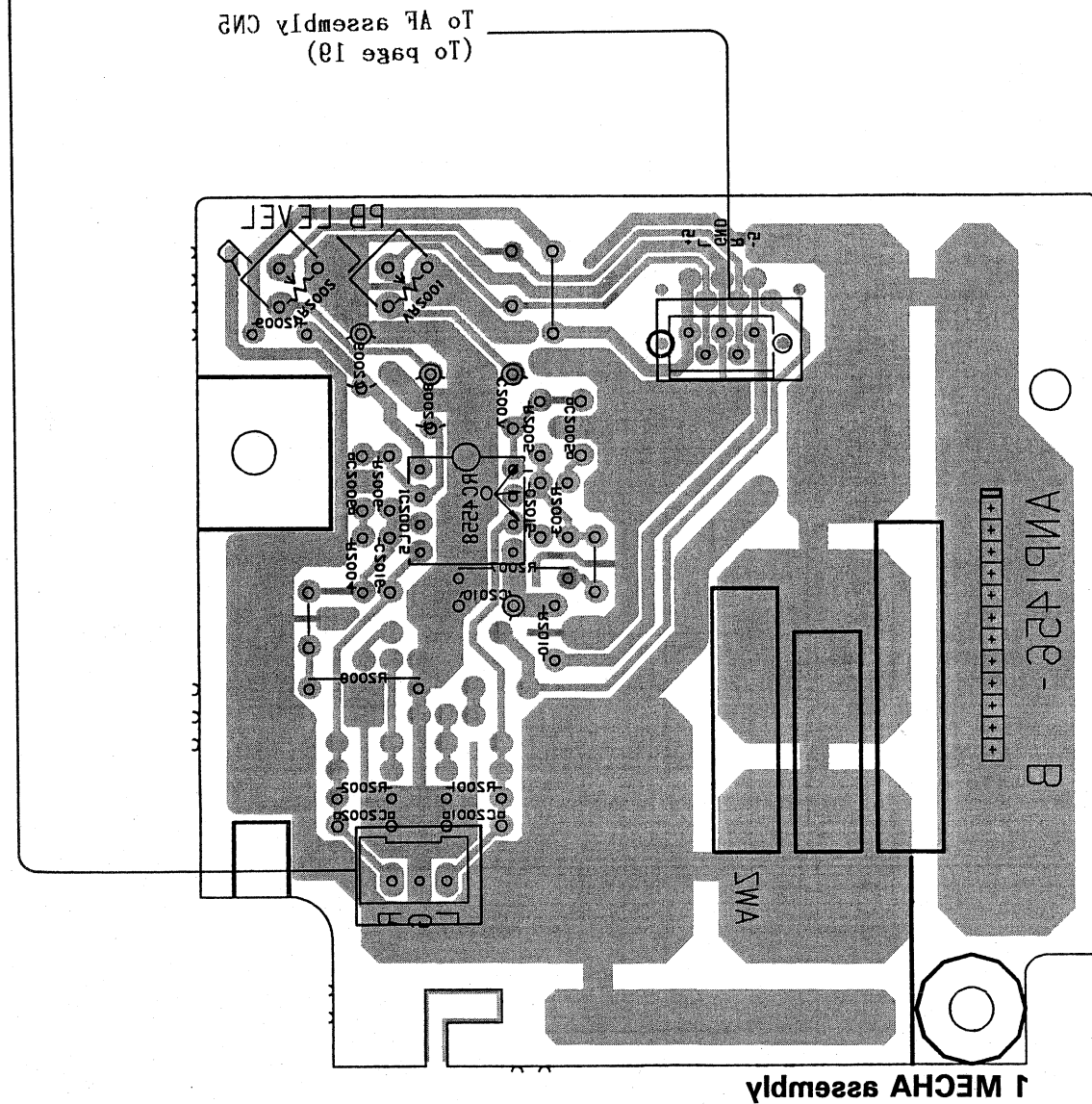
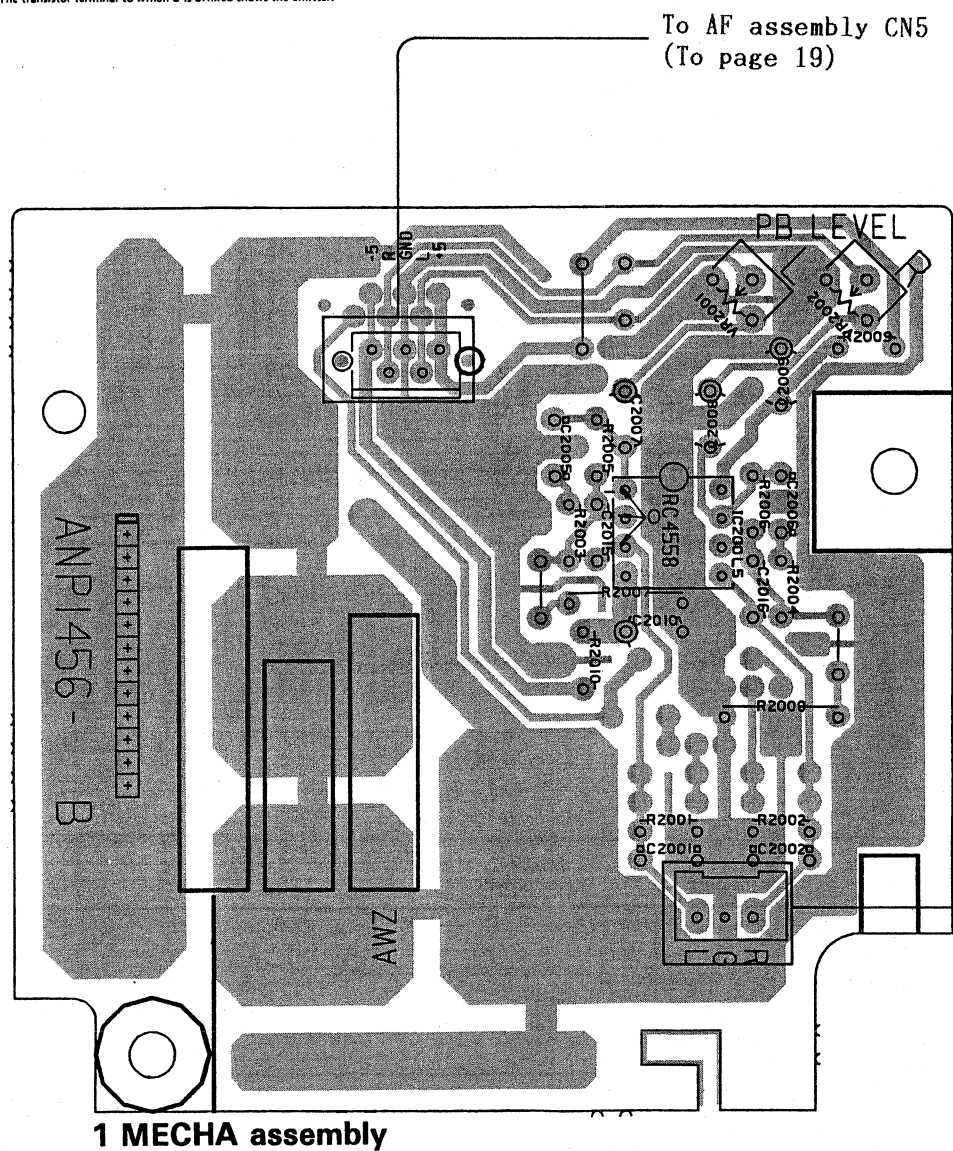
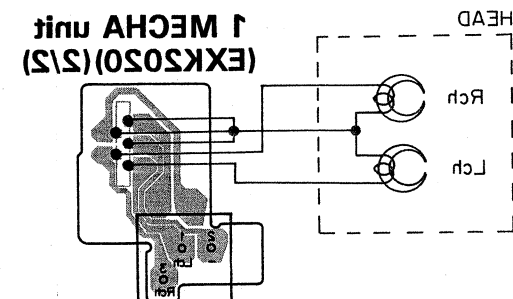
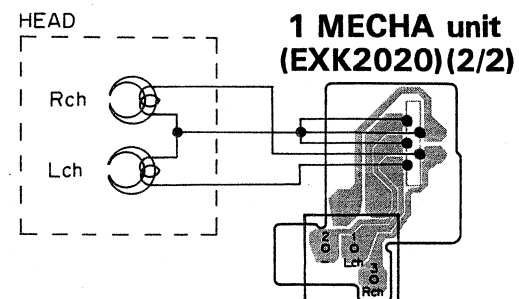
To AF assembly
CN4
(To page 21)

1. This P.C.B. connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
		Transistor
		Radiator type transistor
		Diode
		Resistor
		Capacitor (Polarity)
		Capacitor (Non-polarity)

Others	
P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-liquid resistor

3. The capacitor terminal marked with $\ominus$ (double circles) shows negative terminal.
4. The diode terminal marked with $\ominus$ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.



NOTE

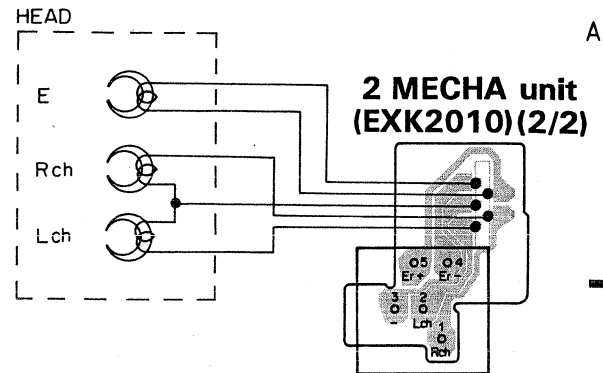
1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
		Transistor
		Radiator type transistor
		Diode
		Resistor
		Capacitor (Polarity)
		Capacitor (Non-polarity)

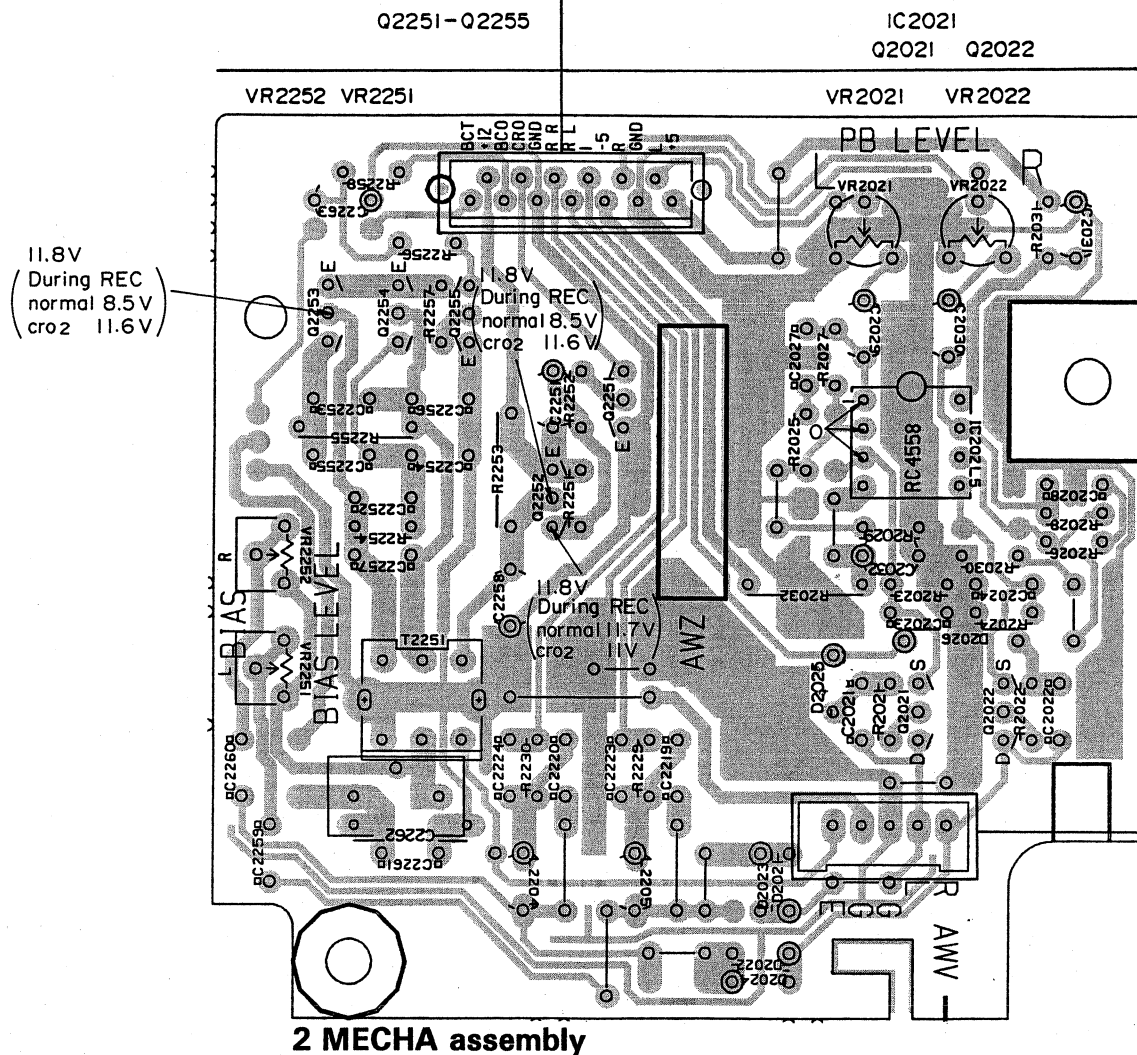
Others

P.C.B. pattern diagram indication	Part Name
	IC
	Switch
	Relay
	Coil
	Filter
	Variable resistor or Semi-fixed resistor

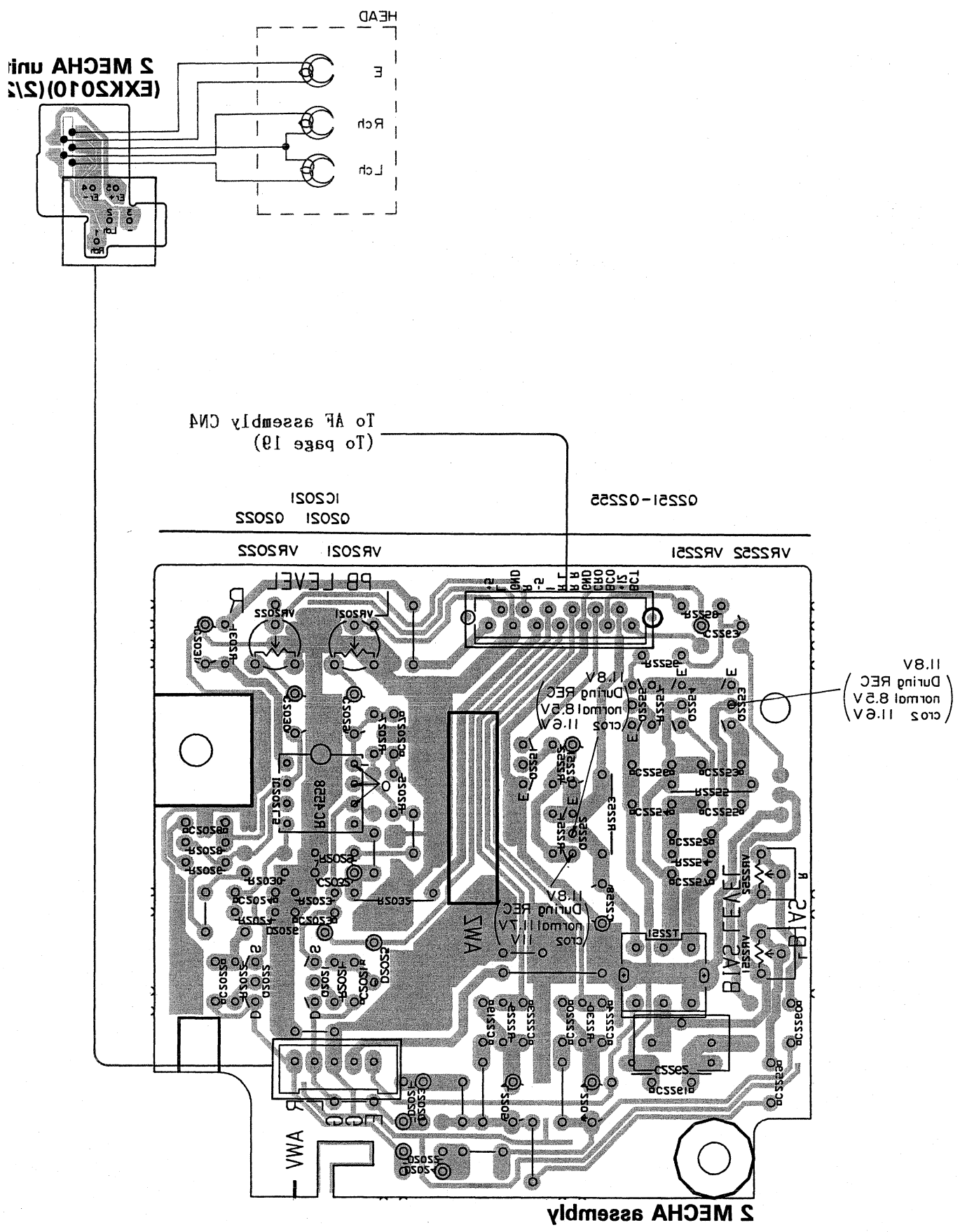
3. The capacitor terminal marked with ⊕ (double circles) shows negative terminal.
4. The diode terminal marked with ⊕ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

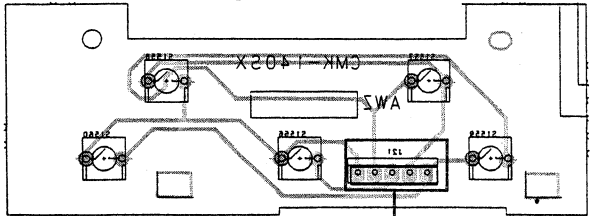


To AF assembly CN4
(To page 19)

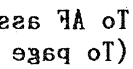


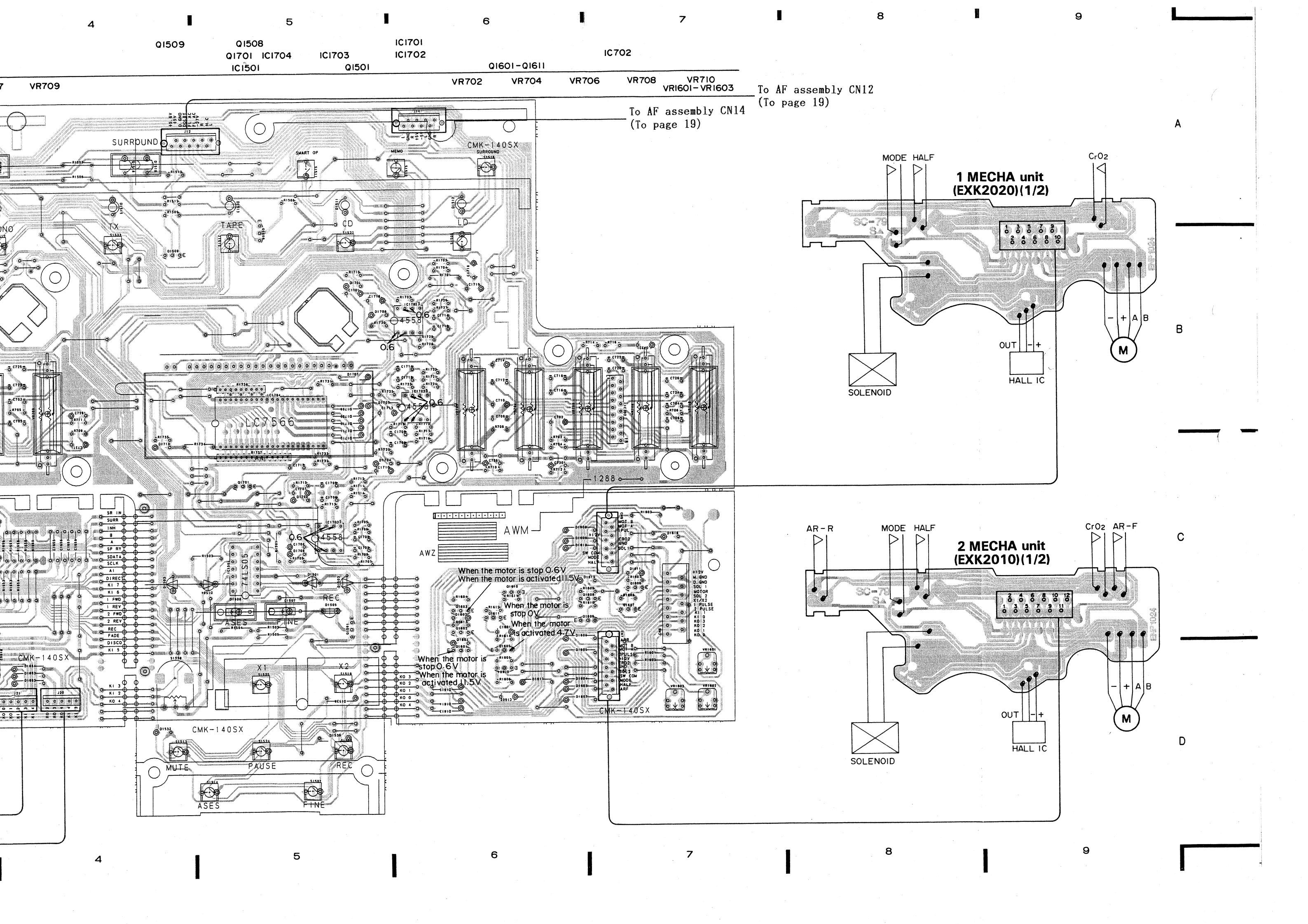
2 MECHA assembly





5.4 DISPLAY (AW5340a), 1 MECHA SW,





DISPLAY assembly (AWZ3409)

To AF assembly
CN11
(To page 21)

To AF assembly
CN10
(To page 21)

SURROUND
VOL
UP
DOWN
MUTE
B
A
SP RY
POWER BY
S CLK
S DATA
TX EN/REQ
CD EN/REQ

1 MECHA SW
assembly

2 MECHA SW
assembly

1 MECHA UNIT

2 MECHA UNIT

IC701: 702 BA3812L
IC1704 LC7566
IC1652 MS1951BSL
IC1505 PD3180A
IC1651 PD5147B
IC1701-1703 RC45580XP
IC1502 SN74LS03N
IC1501 SN74LS05N

Q1501, 1503, 1504, 1701 RN1201
Q1505-1507, 1602, 1605, RN1203
Q1607-1609, 1611 RN2201
Q1508, 1509 RN2204
Q1601, 1603 2SA1515
Q1604, 1606, 1608, 1610

D1518, 1519 AEL1065
D1511-1516 AEL1108
D1505 AEL1119
D1506, 1507 AEL1126
D1509 AEL1128
D1510 AEL1129
D1501-1504 AEL1130
D1517, 1520, 1537-1539, 15S252
D1601-1617, 1651-1657,
D1659-1664, 1701-1713

IC1651: DECK AMP CONTROL
MICRO COMPUTER

VDD
A1
1 FWD
2 REV
3 FWD
4 REV
5 REC
6 MUTE
7 INH
8 SURROUND
9 POWER RY
10 S CLOCK
11 S DATA
12 TX EN/REQ
13 CD EN/REQ
14 SEG EN/REQ
15 PB C-02 X2
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
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52
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60
61
62
63
64

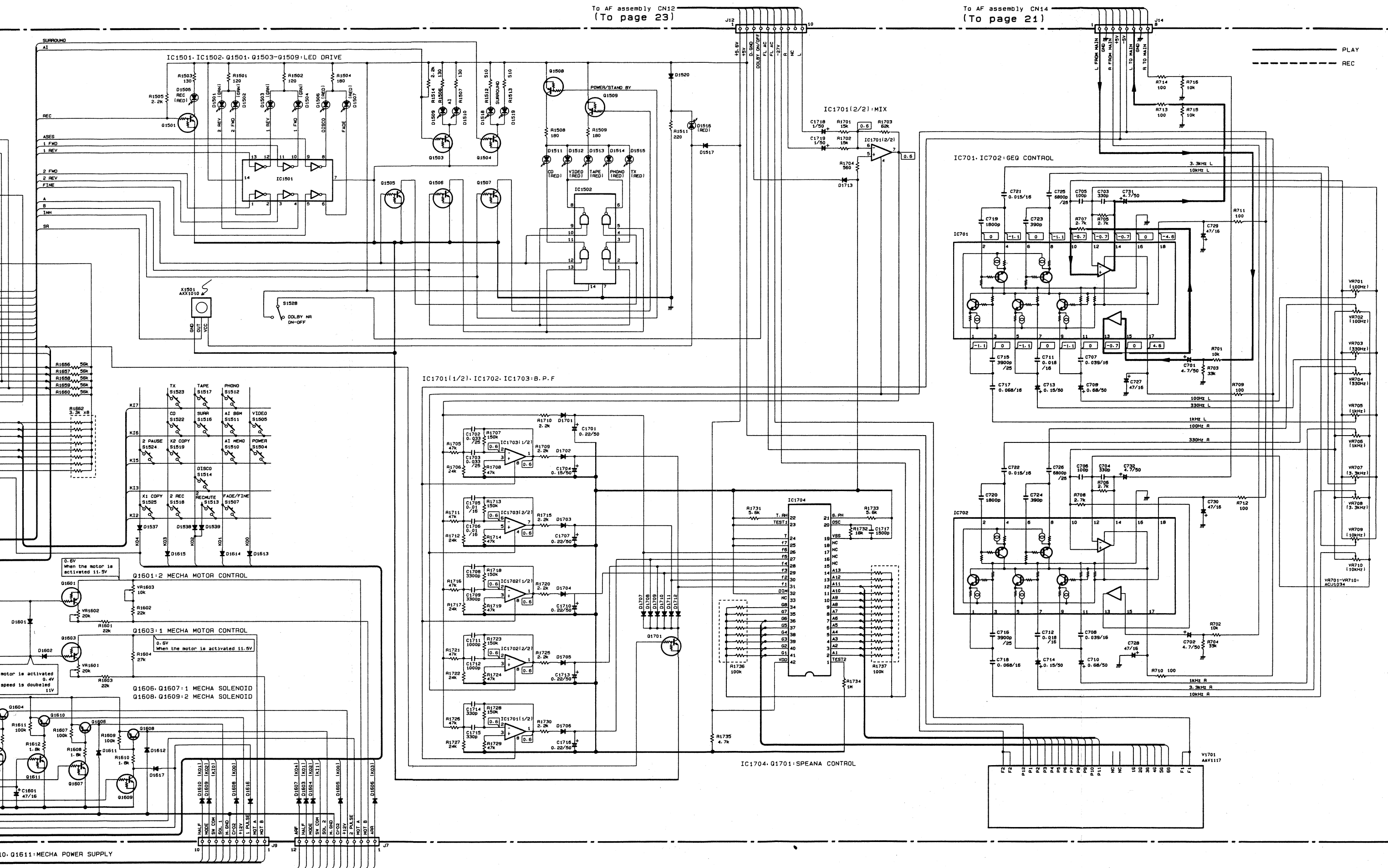
12V
GND
MOTOR
SOL 1
SOL 2
X1/X2
1 PULSE
2 PULSE
K11
K10
K09
K08
K07
K06
K05
K04
K03
K02
K01
K00

Q1604, Q1605, Q1610, Q1611: MECHA POWER SUPPLY

IC1501, IC1502, Q1501, Q1503-Q1509: LED DRIVE

IC1701(1/2), IC1702, IC1703: B.P.F

IC1704, Q1701



A
B
C
D

2.5 SUB TRANS (AWR1058) and TRANS CONNECT assembly

A

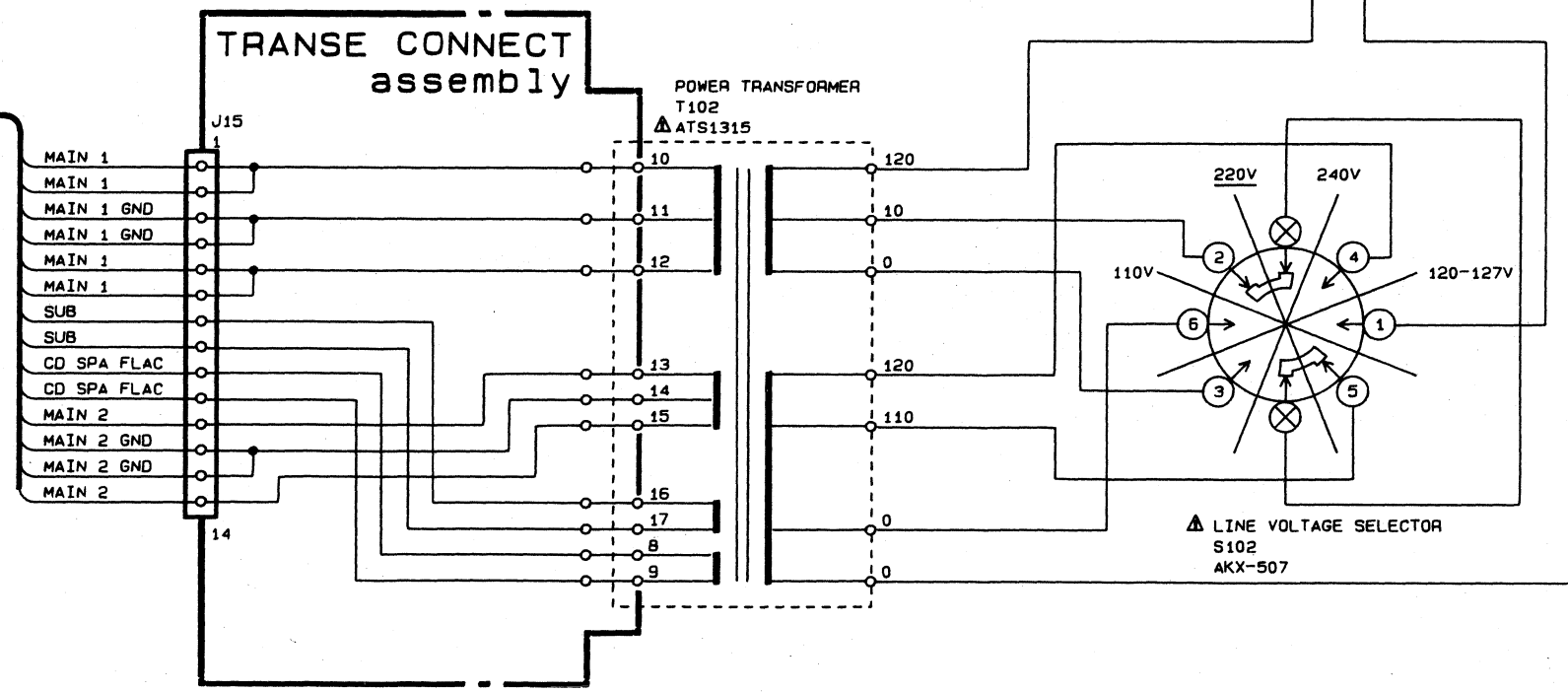
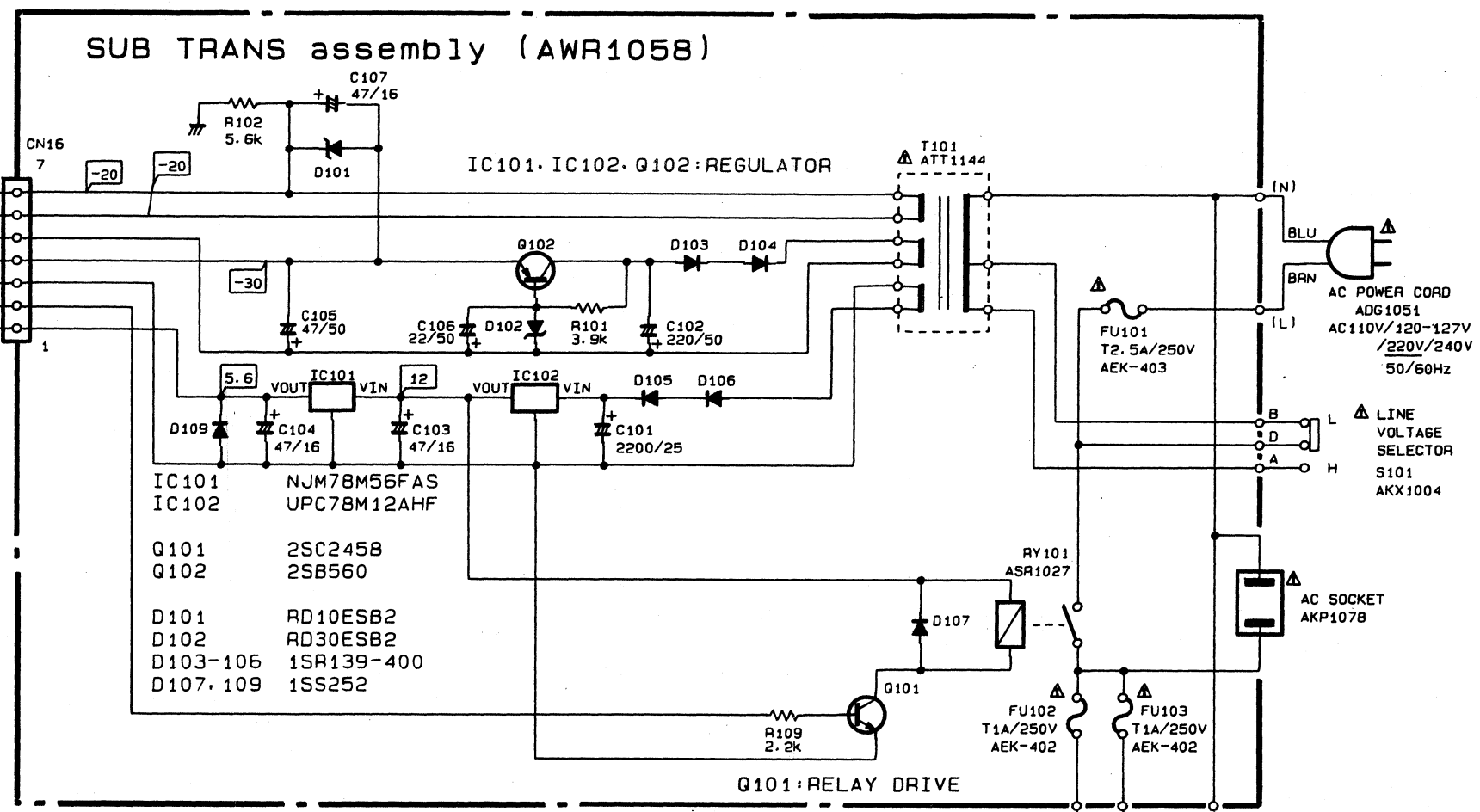
B

C

D

To AF assembly
CN16
(To page 24)

To AF assembly
CN15
(To page 24)



NOTE

- 1. This P.C.B connection diagram is viewed from the parts mounted side.
- 2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
		Transistor
		Radiator type transistor
		Diode
		Resistor
		Capacitor (Polarity)
		Capacitor (Non-polarity)

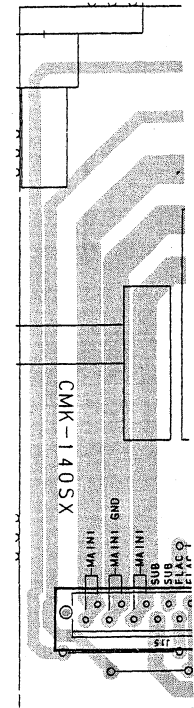
Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

- 3. The capacitor terminal marked with ⊕ (double circles) shows negative terminal.
- 4. The diode terminal marked with ⊕ (double circles) shows cathode side.
- 5. The transistor terminal to which E is affixed shows the emitter.

VOL
SEL
SIOI

TRANS CONI



SUB TRANS assembly (AWR1058)

(To page 10)
To AF assembly CM10

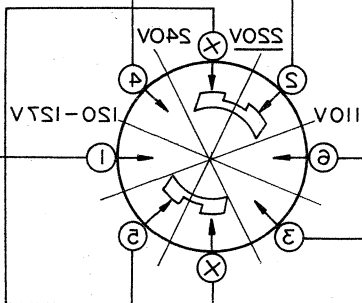
VOLTAGE
SELECTOR
2101

TRANS CONNECT assembly

(To page 10)
To AF assembly 112

50\60Hz
250V\240V
AC 110V\150-157V
AC POWER CORD

VOLTAGE
SELECTOR
2105



POWER TRANSFORMER
T105

CMK-1402X

3. P.C.B 's PARTS LIST

NOTES:

- Parts without part number cannot be supplied.
- Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
- The Δ 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 $\times 10^1$ 561.....RD1/4PS $\square$ $\square$ $\square$ J
 47k Ω 47 $\times 10^3$ 473.....RD1/4PS $\square$ $\square$ $\square$ J
 0.5 Ω 0R5.....RN2H $\square$ $\square$ $\square$ K
 1 Ω 010.....RS1P $\square$ $\square$ $\square$ K

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

5.62k Ω 562 $\times 10^1$ 5621.....RN1/4SR $\square$ $\square$ $\square$ $\square$ F

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
◎ AF ASSEMBLY (AWZ3335)					
SEMICONDUCTORS					
IC1001	OP-AMP IC	RC4558DXP	D151	DIODE	D3SBA20 (A)
IC151	REGULATOR IC	NJM78M05FAS	D152-159	DIODE	1SR139-400
IC152	REGULATOR IC	NJM79M05FA	D161	ZENER DIODE	RD8.2ESB2
IC153, 154	REGULATOR IC	MC7812CT	D162	DIODE	1SS252
IC155	IC PROTECTOR	ICP-N75			
IC2001	OP-AMP IC	RC4558DXP	D2301, 2302	DIODE	1SS252
IC2002	LOGIC IC	TC4066BP	D401	ZENER DIODE	RD22EB
IC2201	OP-AMP IC	RC4558DXP	D403	DIODE	1SR139-400
IC2202	LOGIC IC	SN74LS05N	D404	DIODE	1SS252
IC2302	DOLBY-B IC	CXA1100P			
IC301	AUDIO IC	STK4142-2GP	D405	ZENER DIODE	RD6.8ESB2
IC601	OP-AMP IC	RC4558DXP	D406, 601	DIODE	1SS252
IC801	LOGIC IC	MC14052BCP			
IC802	LOGIC IC	TC4066BP	RELAY		
IC803, 833	OP-AMP IC	RC4558DXP	RY401	RELAY	ASR1035
Q2001-2004	TRANSISTOR	2SC2458	COILS		
Q2005, 2006	TRANSISTOR	2SC2878	L151	AXIAL INDUCTOR	LAU2R2K
Q2007	TRANSISTOR	RN2203	L2201, 2202	INDUCTOR	LTA392J
Q2008	TRANSISTOR	RN2201	L501, 502	COIL	ATH-133
Q2009, 2201	TRANSISTOR	RN1201			
Q2202	TRANSISTOR	RN2203	F2351-2352	DOLBY FILTER	ATF1064
Q2203, 2204	TRANSISTOR	2SC2878	CAPACITORS		
Q2301-2304	TRANSISTOR	2SC2458	C1001-1004	CERAMIC CAPACITOR	CCMSL101J50
Q2351	TRANSISTOR	RN2203	C1005	CERAMIC CAPACITOR	CKSQYB152K50
Q401-403	TRANSISTOR	2SC2458	C1006	CERAMIC CAPACITOR	CKDYB152K50
Q404	TRANSISTOR	RN1203	C1007, 1008	CERAMIC CAPACITOR	CKDYB562K50
Q405	TRANSISTOR	2SC2458	C1009-1012	ELECTR.CAPACITOR	CEAS2R2M50
Q406	TRANSISTOR	2SA1048			
Q601	TRANSISTOR	RN2203	C1015, 1016	ELECTR.CAPACITOR	CEAS470M16
Q602	N-FET	2SK246	C151, 152	ELECTROLYTIC CAPACIT (2200/42)	ACH1109
Q801	TRANSISTOR	RN2203	C153	ELECTR.CAPACITOR	CEAS222M16
Q802	TRANSISTOR	RN1203	C154	ELECTR.CAPACITOR	CEAS102M16
Q803	TRANSISTOR	RN2203	C155, 156	ELECTR.CAPACITOR	CEAS220M16
			C157	ELECTR.CAPACITOR	CEAS222M25
			C158, 159	ELECTR.CAPACITOR	CEAS220M25
			C160	ELECTR.CAPACITOR	CEAS100M25
			C161	CERAMIC CAPACITOR	CKDYB103K500
			C162	CKA (0.01/AC250V)	ACG1005

Mark No.	Description	Parts No.
C2007, 2008	MYLOR FILM CAPACITOR	CQMA273J50
C2009, 2010	MYLOR FILM CAPACITOR	CQMA183J50
C2011, 2012	CERAMIC CAPACITOR	CKSQYB152K50
C2201-2204	ELECTR.CAPACITOR	CEAS010M50
C2205, 2206	CHIP CAPACITOR	CKSQYB222K50
C2207, 2208	AUDIO FILM CAPACITOR	CFTXA104J50
C2209, 2210	ELECTR.CAPACITOR	CEAS330M16
C2211, 2212	CERAMIC CAPACITOR	CKCYX183M25
C2213, 2214	MYLOR FILM CAPACITOR	CQMA752J50
C2215, 2216	CERAMIC CAPACITOR	CKSQYB562K50
C2217, 2218	MYLOR FILM CAPACITOR	CQMA273J50
C2221, 2222	ELECTR.CAPACITOR	CEAS2R2M50
C2225, 2226	ELECTR.CAPACITOR	CEAS470M16
C2303, 2304	ELECTR.CAPACITOR	CEAS010M50
C2305	ELECTR.CAPACITOR	CEAS220M16
C2306	ELECTR.CAPACITOR	CEAS220M25
C2351, 2352	ELECTR.CAPACITOR	CEAS100M50
C2353, 2354	ELECTR.CAPACITOR	CEASR22M50
C2355	ELECTR.CAPACITOR	CEAS101M10
C2356-2359	ELECTR.CAPACITOR	CEAS100M50
C301, 302	ELECTR.CAPACITOR	CEAS2R2M50
C303, 304	CERAMIC CAPACITOR	CKMYB331K50
C305, 306	ELECTR.CAPACITOR	CEAS220M50
C307, 308	ELECTR.CAPACITOR	CEAS101M25
C309	ELECTR.CAPACITOR	CEANP220M50
C310	ELECTR.CAPACITOR	CEANP100M50
C311, 312	ELECTR.CAPACITOR	CEAS100M50
C313	ELECTROLYTIC CAPACIT (47/50)	ACH1143
C401-404	CERAMIC CAPACITOR	CKCYF473Z50
C405	ELECTR.CAPACITOR	CEAS221M16
C406	ELECTR.CAPACITOR	CEAS330M25
C407	ELECTR.CAPACITOR	CEAS221M16
C408	ELECTR.CAPACITOR	CEAS100M50
C501	ELECTR.CAPACITOR (5600/50)	ACH1144
C601, 602	CERAMIC CAPACITOR	CKMYB471K50
C603, 604	ELECTR.CAPACITOR	CEAS2R2M50
C605	CERAMIC CAPACITOR	CKSQYB681K50
C606	CERAMIC CAPACITOR	CKCYF473Z50
C831, 832	CERAMIC CAPACITOR	CCMSL101J50

RESISTORS

VR2201, 2202	VR	VRTB6VS222
R1013	CHIP RESISTOR	RS1/10S104J
R159-162	CARBON FILM RESISTOR	RD1/4PM100J
R163, 164	METAL OXIDE RESISTOR	RS2LMFR22J
R2003, 2004	CHIP RESISTOR	RS1/10S122J
R2005, 2006	CHIP RESISTOR	RS1/10S105J

Mark No.	Description	Parts No.
R2007, 2008	CHIP RESISTOR	RS1/10S332J
R2009, 2010	CHIP RESISTOR	RS1/10S105J
R2011	CHIP RESISTOR	RS1/10S472J
R2014	CHIP RESISTOR	RS1/10S472J
R2016	CHIP RESISTOR	RS1/10S472J
R2019, 2020	CHIP RESISTOR	RS1/10S154J
R2021, 2022	CHIP RESISTOR	RS1/10S222J
R2207, 2208	CHIP RESISTOR	RS1/10S104J
R2209, 2210	CHIP RESISTOR	RS1/10S683J
R2211, 2212	CHIP RESISTOR	RS1/10S223J
R2213, 2214	CHIP RESISTOR	RS1/10S333J
R2223, 2224	CHIP RESISTOR	RS1/10S471J
R2226	CHIP RESISTOR	RS1/10S681J
R2233, 2234	CHIP RESISTOR	RS1/10S102J
R2301, 2302	CHIP RESISTOR	RS1/10S273J
R2303, 2304	CHIP RESISTOR	RS1/10S362J
R2305, 2306	CHIP RESISTOR	RS1/10S103J
R2317, 2318	CHIP RESISTOR	RS1/10S222J
R2351, 2352	CHIP RESISTOR	RS1/10S242J
R2355, 2356	CHIP RESISTOR	RS1/10S682J
R2357	CHIP RESISTOR	RS1/10S433J
R2361, 2362	CHIP RESISTOR	RS1/10S222J
R2363, 2364	CHIP RESISTOR	RS1/10S273J
R2366	CHIP RESISTOR	RS1/10S103J
R305, 306	CARBON FILM RESISTOR	RD1/4PM104J
R309-312	CARBON FILM RESISTOR	RD1/4PM222J
R313	CARBON FILM RESISTOR	RD1/4PMFL471J
R314	CARBON FILM RESISTOR	RD1/4PMFL101J
R315	CARBON FILM RESISTOR	RD1/4PM102J
R316, 317	CARBON FILM RESISTOR	RD1/4PMFL222J
R318	CARBON FILM RESISTOR	RD1/4PMFL101J
R401, 402	CARBON FILM RESISTOR	RD1/4PM100J
R409	CARBON FILM RESISTOR	RD1/2PM182J
R416	METAL OXIDE RESISTOR	RS2LMF181J
R417	METAL OXIDE RESISTOR	RS2LMF331J
R501, 502	CARBON FILM RESISTOR	RD1/4PMFL100J
R805, 806	CHIP RESISTOR	RS1/10S273J
R843, 844	CHIP RESISTOR	RS1/10S223J
R855, 856	CHIP RESISTOR	RS1/10S332J
R857	CHIP RESISTOR	RS1/10S104J
R858	CHIP RESISTOR	RS1/10S000J

Other resistors

RD1/8PM□□□J

Mark No.	Description	Parts No.
OTHERS		
	PIN JACK (6P)	AKB1121
	2P PIN JACK	AKB1146
	SPEAKER TERMINAL 4-P	AKE-109
	SOCKET (4P)	AKP1046
	JACK (DC)	AKN-203
	SOCKET (14P)	AKP1048
CN10	CONNECTOR (14P)	KPE14
CN11	CONNECTOR (13P)	KPE13
CN12	CONNECTOR (10P)	KPE10
CN14	CONNECTOR (8P)	KPE8
CN16	CONNECTOR (7P)	KPE7
CN4	CONNECTOR (13P)	KPE13
CN5	CONNECTOR (5P)	KPE5
CN6	CONNECTOR (4P)	KPC4

VR ASSEMBLY

SEMICONDUCTORS

IC551	OP-AMP IC	RC4558DXP
IC552	MECHANISM DRIVER IC	TA7291S
Q551, 552	TRANSISTOR	2SC2878
Q553	TRANSISTOR	RN2203

CAPACITORS

C551, 552	ELECTR. CAPACITOR	CEAS4R7M50
C553, 554	CHIP CAPACITOR	CCSQCH101J50
C555, 556	ELECTR. CAPACITOR	CEAS101M16
C557	ELECTR. CAPACITOR	CEAS220M25
C558	CERAMIC CAPACITOR	CKSQYF104Z50
C559	CERAMIC CAPACITOR	CKCYF473Z50

RESISTORS

VR551	VARIABLE RESISTOR (WITH MOTOR)	ACX1051
R554	CHIP RESISTOR	RS1/10S000J
R555, 556	CHIP RESISTOR	RS1/10S104J
R561	CHIP RESISTOR	RS1/10S000J
R565, 566	CHIP RESISTOR	RS1/10S102J
	Other resistors	RD1/8PM□□□J

HEAD PHONE ASSEMBLY

CAPACITORS

C453	CERAMIC CAPACITOR	CKDYF473Z50
------	-------------------	-------------

RESISTORS

R451, 452	METAL OXIDE RESISTOR	RS1LMF331J
R453	CARBON FILM RESISTOR	RD1/8PM100J

Mark No.	Description	Parts No.
	JACK (HEAD PHONE)	AKN1010

TRANS CONNECT ASSEMBLY

No parts are supplied with the TRANS CONNECT ASSEMBLY.

◎ DISPLAY ASSEMBLY (AWZ3409)

SEMICONDUCTORS

IC1501	LOGIC IC	SN74LS05N
IC1502	LOGIC IC	SN74LS03N
IC1651	SYSTEM CONT. μ -COM	PD5147B
IC1652	RESET IC	M51951BSL
IC1701-1703	OP-AMP IC	RC4558DXP
IC1704	GEQ FL DRIVER IC	LC7566
IC701, 702	AUDIO IC	BA3812L
Q1501	TRANSISTOR	RN1201
Q1503, 1504	TRANSISTOR	RN1201
Q1505-1507	TRANSISTOR	RN1203
Q1508, 1509	TRANSISTOR	RN2201
Q1601	TRANSISTOR	RN2204
Q1602	TRANSISTOR	RN1203
Q1603	TRANSISTOR	RN2204
Q1604	TRANSISTOR	2SA1515
Q1605	TRANSISTOR	RN1203
Q1606	TRANSISTOR	2SA1515
Q1607	TRANSISTOR	RN1203
Q1608	TRANSISTOR	2SA1515
Q1609	TRANSISTOR	RN1203
Q1610	TRANSISTOR	2SA1515
Q1611	TRANSISTOR	RN1203
Q1701	TRANSISTOR	RN1201
D1501-1504	LED (GREEN)	AEL1130
D1505	LED (RED)	AEL1119
D1506, 1507	LED (RED)	AEL1126
D1509	LED	AEL1128
D1510	LED (GREEN)	AEL1129
D1511-1516	LED (RED)	AEL1108
D1517	DIODE	1SS252
D1518, 1519	LED (RED)	AEL1065
D1520	DIODE	1SS252
D1537-1539	DIODE	1SS252
D1601-1617	DIODE	1SS252
D1651-1657	DIODE	1SS252
D1660-1664	DIODE	1SS252
D1701-1713	DIODE	1SS252

Mark No.	Description	Parts No.
SWITCHES		
S1504, 1505	SWITCH	ASG1034
S1507	SWITCH	ASG1034
S1510-1514	SWITCH	ASG1034
S1516-1519	SWITCH	ASG1034
S1522-1525	SWITCH	ASG1034
S1528	SWITCH	ASD1012
COIL		
L1651	AXIAL INDUCTOR	LAU220K
CAPACITORS		
C1601	ELECTR.CAPACITOR	CEAS470M16
C1602	ELECTR.CAPACITOR	CEASR33M50
C1651	CERAMIC CAPACITOR	CKDYX473M16
C1652	ELECTR.CAPACITOR	CEAS101M16
C1653	CERAMIC CAPACITOR	CKCYF473Z50
C1655-1658	CERAMIC CAPACITOR	ACG1020
C1659	ELECTR.CAPACITOR	CEAS010M50
C1660	CERAMIC CAPACITOR	CCDSL100D50
C1701	ELECTR.CAPACITOR	CEASR22M50
C1702, 1703	CERAMIC CAPACITOR	CKDYX333M25
C1704	ELECTROLYTIC CAPACIT	CEASR15M50
C1705, 1706	CERAMIC CAPACITOR	CKDYX103M16
C1707	ELECTROLYTIC CAPACIT	CEJAR22M50
C1708, 1709	CERAMIC CAPACITOR	CKCYB332K50
C1710	ELECTR.CAPACITOR	CEASR22M50
C1711, 1712	CERAMIC CAPACITOR	CKMYB102K50
C1713	ELECTR.CAPACITOR	CEASR22M50
C1714, 1715	CERAMIC CAPACITOR	CKMYB331K50
C1716	ELECTR.CAPACITOR	CEASR22M50
C1717	CERAMIC CAPACITOR	CKMYB152K50
C1718, 1719	ELECTR.CAPACITOR	CEAS010M50
C701, 702	ELECTR.CAPACITOR	CEAS4R7M50
C703, 704	CERAMIC CAPACITOR	CKMYB331K50
C705, 706	CERAMIC CAPACITOR	CCDSL101J50
C707, 708	CERAMIC CAPACITOR	CKDYX393M16
C709, 710	ELECTR.CAPACITOR	CEASR68M50
C711, 712	CERAMIC CAPACITOR	CKDYX183M16
C713, 714	ELECTROLYTIC CAPACIT	CEJAR15M50
C715, 716	CERAMIC CAPACITOR	CGMYX392M25
C717, 718	CERAMIC CAPACITOR	CKDYX683M16
C719, 720	CERAMIC CAPACITOR	CGMYB182M50
C721, 722	CERAMIC CAPACITOR	CKDYX153M16
C723, 724	CERAMIC CAPACITOR	CKMYB391K50
C725, 726	CERAMIC CAPACITOR	CGMYX682M25
C727, 728	ELECTR.CAPACITOR	CEAS470M16
C729, 730	ELECTROLYTIC CAPACIT	CEJA470M16

Mark No.	Description	Parts No.
C731, 732	ELECTROLYTIC CAPACIT	CEJA4R7M50
RESISTORS		
VR1601, 1602	VR (20k Ω)	VRTM6V203
VR1603	VR (10k Ω)	VRTM6V103
VR701-710	VR (30k Ω)	ACU1034
R1662	RESISTOR ARRAY (3.3k)	RA8T332J
R1736	RESISTOR ARRAY (100k)	RA8T104J
R1737	RESISTOR ARRAY (100k)	RA13T104J
	Other resistors	RD1/8PM□□□J
OTHERS		
	REMOTE RECEIVER UNIT	AXX1010
V1701	FL TUBE	AAV1117
X1651	CERAMIC RESONATOR	ASS1025
CN8	CONNECTOR (15P)	KPE15

1 MECHA SW ASSEMBLY**SWITCHES**

S1551-1555	SWITCH	ASG1034
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2 MECHA SW ASSEMBLY**SWITCHES**

S1556-1560	SWITCH	ASG1034
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◎ SUB TRANS ASSEMBLY (AWR1058)**SEMICONDUCTORS**

IC101	REGULATOR IC	NJM78M56FAS
IC102	REGULATOR IC	UPC78M12AHF
Q101	TRANSISTOR	2SC2458
Q102	TRANSISTOR	2SB560
D101	ZENER DIODE	RD10ESB2
D102	ZENER DIODE	RD30ESB2
D103-106	DIODE	1SR139-400
D107, 109	DIODE	1SS252

RELAY

RY101	RELAY	ASR1027
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TRANSFORMER

T101	POWER TRANSFORMER	ATT1144
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Mark No.	Description	Parts No.
CAPACITORS		
C101	ELECTR.CAPACITOR	CEAS222M25
C102	ELECTR.CAPACITOR	CEAS221M50
C103, 104	ELECTR.CAPACITOR	CEAS470M16
C105	ELECTR.CAPACITOR	CEAS470M50
C106	ELECTR.CAPACITOR	CEAS220M50
C107	ELECTR.CAPACITOR	CEAS470M16
RESISTORS		
R101	CARBONFILM RESISTOR	RD1/4PMF392J
R102	CARBONFILM RESISTOR	RD1/8PM562J
R109	CARBONFILM RESISTOR	RD1/8PM222J
OTHERS		
CN	AC SOCKET (1P)	AKP1078

1 MECHA ASSEMBLY

CAPACITORS		
C2001, 2002	CERAMIC CAPACITOR	CKMYB391K50
C2005, 2006	AUDIO FILM CAPACITOR	CFTXA223J50
C2007, 2008	ELECTR.CAPACITOR	CEAS4R7M50
C2009, 2010	ELECTR.CAPACITOR	CEAS470M10
RESISTORS		
VR2001, 2002	VR	VRTM6H202
	Other resistors	RD1/8PM□□□J

2 MECHA ASSEMBLY

SEMICONDUCTORS		
IC2001, 2021	OP-AMP IC	RC4558DXP
Q2021, 2022	N-FET	2SK373
Q2251	TRANSISTOR	RN1201
Q2252	TRANSISTOR	2SA1515
Q2253, 2254	TRANSISTOR	2SC3377
Q2255	TRANSISTOR	2SC2458
D2021-2026	DIODE	1SS252
COILS & TRANSFORMER		
L2204, 2205	INDUCTOR	LTA822J
T2251	OSC TRANSFORMER	ATX-043

Mark No.	Description	Parts No.
CAPACITORS		
C2021, 2022	CERAMIC CAPACITOR	CCMSL100D50
C2023, 2024	CERAMIC CAPACITOR	CKMYB391K50
C2027, 2028	AUDIO FILM CAPACITOR	CFTXA223J50
C2029, 2030	ELECTR.CAPACITOR	CEAS4R7M50
C2031, 2032	ELECTR.CAPACITOR	CEAS470M10
C2219, 2220	CERAMIC CAPACITOR	CCDSL271K500
C2223, 2224	CERAMIC CAPACITOR	CKDYB681K50
C2251	ELECTR.CAPACITOR	CEAS470M16
C2252, 2253	CERAMIC CAPACITOR	CGMYX103M16
C2254	CERAMIC CAPACITOR	CKMYB221K50
C2255	MYLOR FILM CAPACITOR	CQMA153K50
C2256	CERAMIC CAPACITOR	CKMYB681K50
C2257	MYLOR FILM CAPACITOR	CQMA123K250
C2258	ELECTR.CAPACITOR	CEAS4R7M50
C2259, 2260	CERAMIC CAPACITOR	CCCSL101K500
C2261	MYLOR FILM CAPACITOR	CQMA562K400
C2262	CQPA (2000p/630V)	ACE1020
C2263	ELECTR.CAPACITOR	CEAS100M50

RESISTORS		
VR2021, 2022	VR	VRTM6V202
VR2251, 2252	VR	VRTM6H204
R2253	CARBON FILM RESISTOR	RD1/2PM360J
	Other resistors	RD1/8PM□□□J

MIC assembly

SEMICONDUCTORS		
IC901	OP-AMP IC	NJM4558S-X
CAPACITORS		
C901	CERAMIC CAPACITOR	CKMYB681K50
C902	ELECTR.CAPACITOR	CEAS010M50
C903	CERAMIC CAPACITOR	CKMYB471K50
C904, 905	ELECTR.CAPACITOR	CEAS100M25
C906, 907	CERAMIC CAPACITOR	CKDYX473M16
C908	CERAMIC CAPACITOR	CKDYF473Z50
RESISTORS		
VR901	VR (10kΩ)	ACS1065
	Other resistors	RD1/8PM□□□J
OTHERS		
	MIC JACK	AKN1017

4. FOR YPW TYPE

NOTES:

- Parts without part number cannot be supplied.
- The $\triangle$ 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.

4.1 CONTRAST OF MISCELLANEOUS PARTS

The DC-Z74/YPW type is the same as the DC-Z74/SD type with the exception of the following sections.

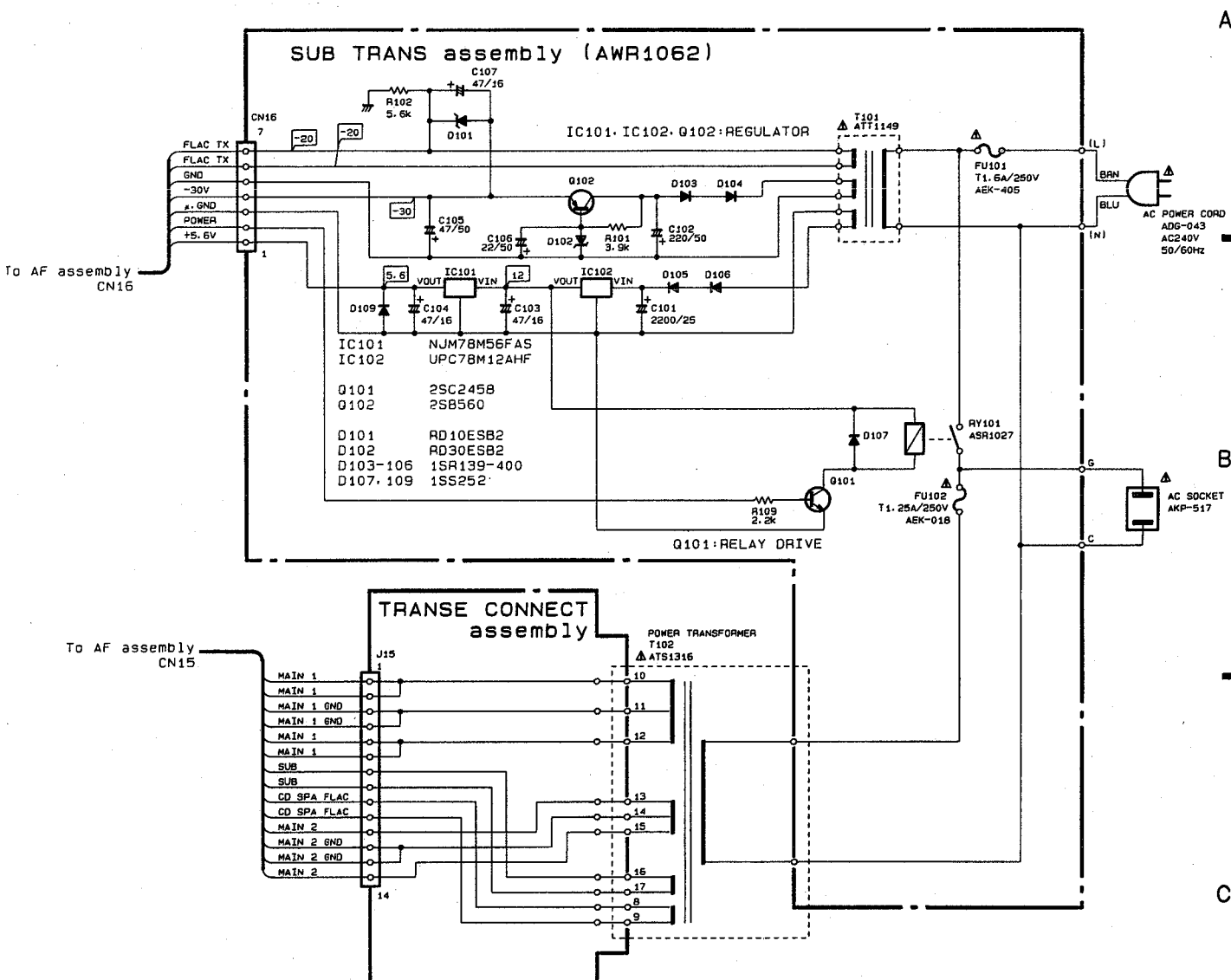
Mark	Symbol & Description	Part No.		Remarks
		DC-Z74/SD type	DC-Z74/YPW type	
●	SUB TRANS assembly	AWR1058	AWR1062	
$\triangle$	S101 Line voltage selector switch	AKX1004	.....	
$\triangle$	S102 Line voltage selector switch	AKX-507	.....	
$\triangle$	T102 Power transformer	ATS1315	ATS1316	
$\triangle$	FU101 (T2.5A/250V)	AEK-403	.....	
$\triangle$	FU101 (T1.6A/250V)	.....	AEK-405	
$\triangle$	FU102 (T1A/250V)	AEK-402	.....	
$\triangle$	FU102 (T1.25A/250V)	.....	AEK-018	
$\triangle$	FU103 (T1A/250V)	AEK-402	.....	
$\triangle$	AC Power cord	ADG1051	ADG-043	
$\triangle$	AC socket (OUTLET 1P)	.....	AKP-517	
	Operating instructions (Spanish)	ARC1232	.....	

4.2 SUB TRANS assembly (AWR1062)

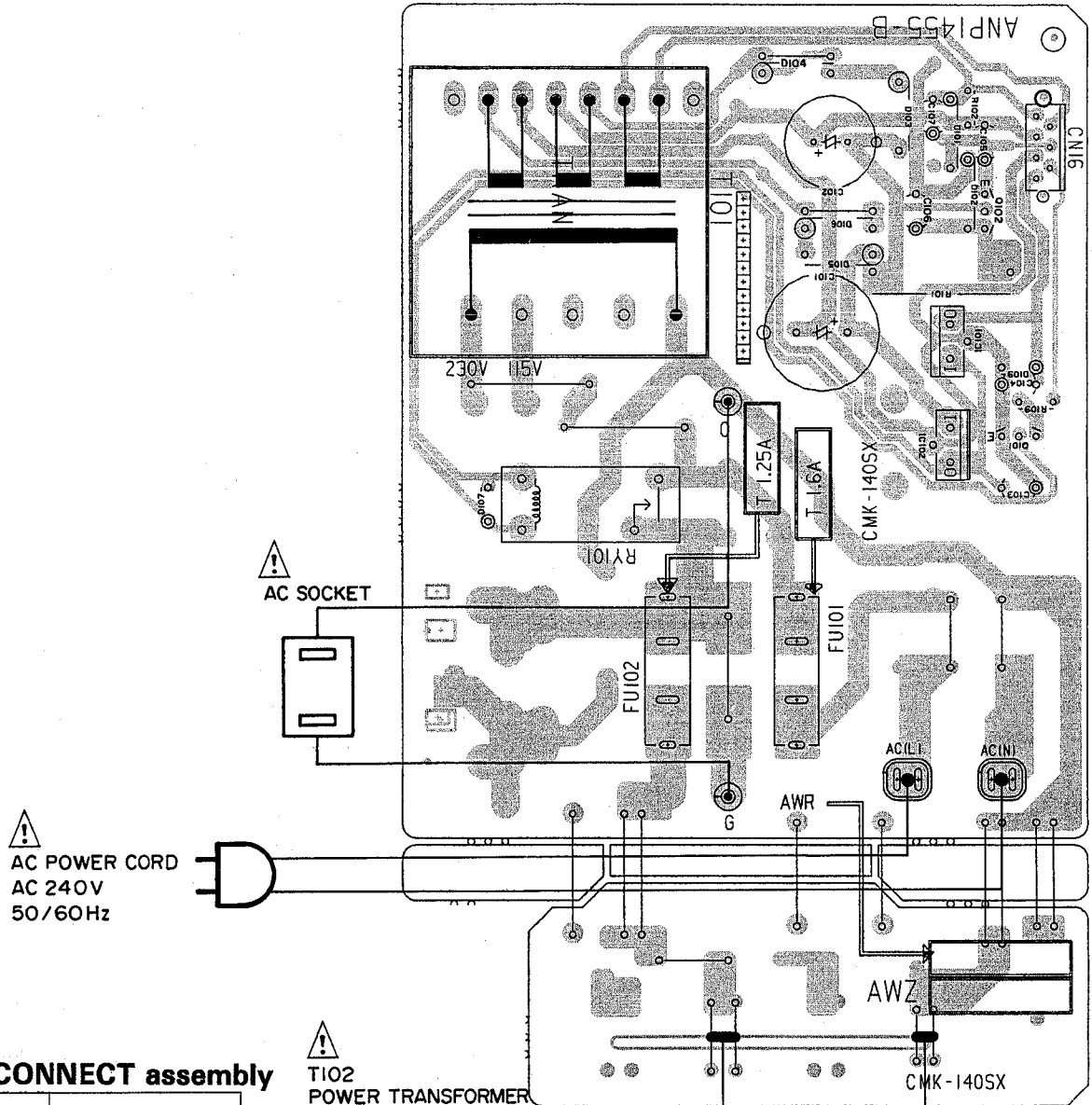
The SUB TRANS assembly (AWR1062) is the same as the SUB TRANS assembly (AWR1058) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWR1058	AWR1062	
$\triangle$	T101 Power transformer	ATT1144	ATT1149	
$\triangle$	AC socket (OUTLET 1P)	AKP1078	.....	

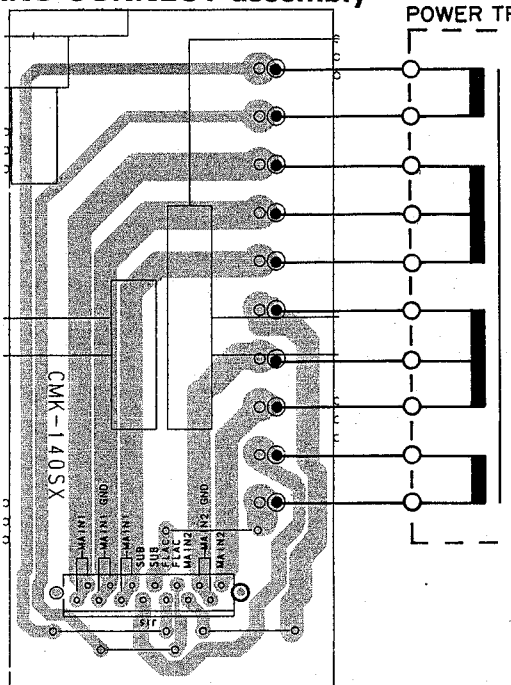
4.3 SCHEMATIC AND P.C.BOARD DIAGRAM



SUB TRANS assembly (AWR1062)



TRANS CONNECT assembly



A

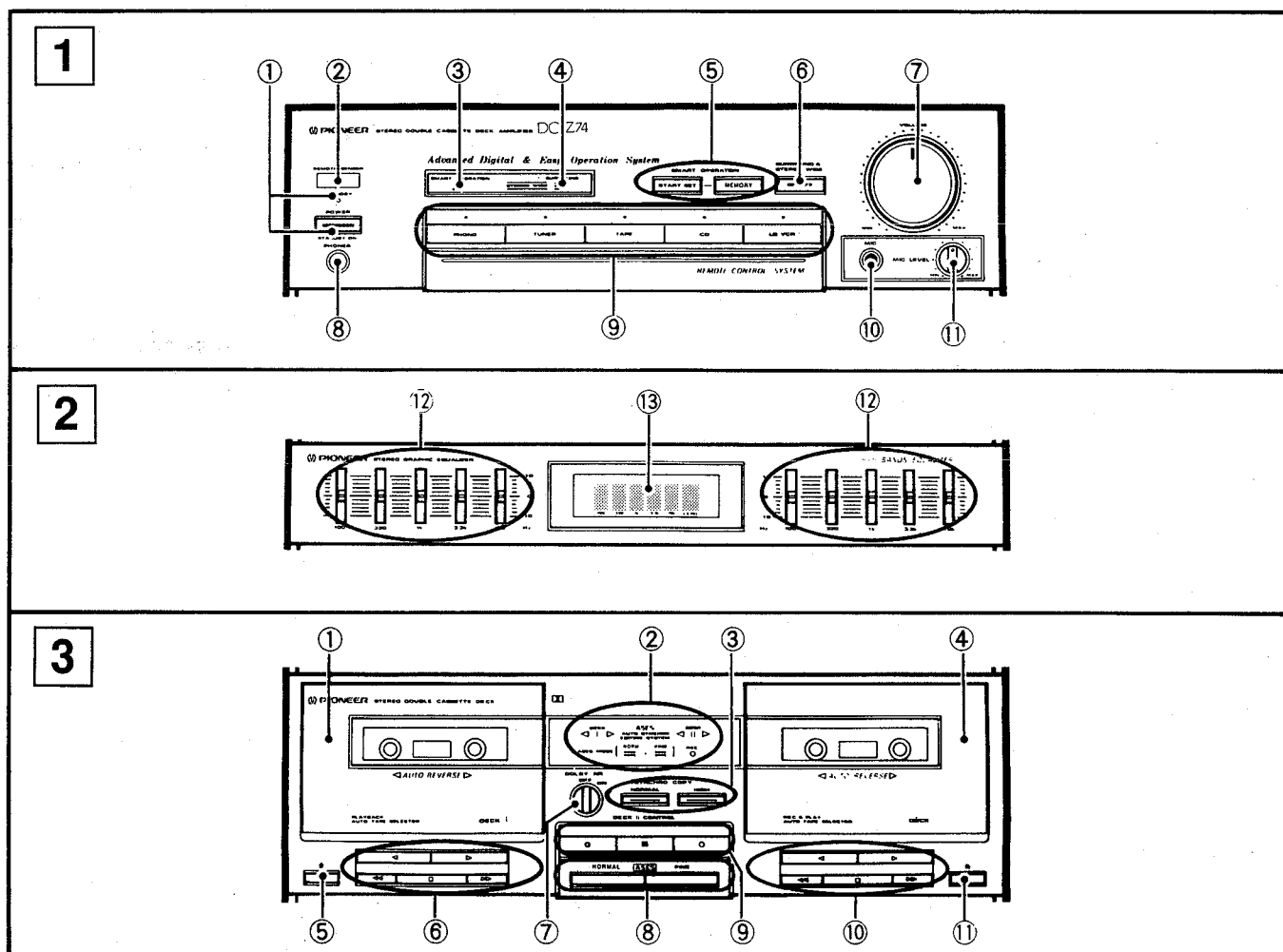


50/60Hz
AC 240V
AC POWER CORD

0



5. PANEL FACILITIES



■ Amplifier section/Graphic equalizer section

See Fig 1, 2.

① POWER STANDBY/ON button/indicator

This is the button for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.

The tuner section display indicates only the time. The STANDBY indicator lights when the power is STANDBY, and goes out during ON.

② REMOTE SENSOR window

③ SMART OPERATION indicator

Blinks when the SMART OPERATION mode is set to ON.

④ SURROUND indicator

Lights when the SURROUND & STEREO WIDE is set to ON.

⑤ SMART OPERATION buttons

[START/SET]

To operate the SMART OPERATION function and set the data.

[MEMORY]

To set the data for SMART OPERATION.

⑥ SURROUND & STEREO WIDE button

In ON position, you can enjoy SURROUND sound reproduction when the rear speakers are used.

In ON position, when the rear speakers are not used, you can enjoy STEREO WIDE sound reproduction with wider left-right spread.

NOTE:

SURROUND & STEREO WIDE effects cannot be obtained with a monaural signal source.

⑦ **VOLUME control**

⑧ **PHONES (Headphone) jack**

For stereo headphones.

NOTE:

There is no speaker output when headphones are plugged into the PHONES jack.

⑨ **Input selector buttons/indicators**

[PHONO] Press to play records on a turntable connected to the PHONO jacks.

[TUNER] Press to listen to radio broadcast.

[TAPE] Press to listen to cassette tape.

[CD] Press to listen to a compact disc.

[LD/VCR] Press to listen to stereo component connected to the LD/VCR jacks.

⑩ **MIC (microphone) jack**

This is a standard jack for connecting a microphone.

⑪ **MIC LEVEL control**

Used for adjusting the volume of microphone.

⑫ **Graphic equalizer controls**

Fine adjustments in sound quality are possible using the 5 controls on the graphic equalizer.

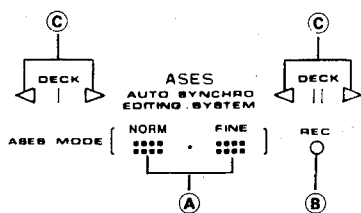
⑬ **DISPLAY section**

■ **Cassette Deck Section**

See Fig 3.

① **DECK I cassette door**

② **Operation indicators**



① **ASES (NORM, FINE):** Lights when the A.S.E.S. (Auto Synchro Editing System) is operating.

② **REC:** Lights when recording. Flashes when copying a tape.

Slow flashing = Normal copy
Rapid flashing = High speed copy

③ **Direction (<, >):** Shows direction of tape travel.

③ **SYNCHRO COPY buttons**

Used for tape copying.

NORMAL: Copying from the Deck I tape to the Deck II tape at normal recording/playback speed.

HIGH: Copying at about twice normal tape speed. (Copies can be made in about half the NORMAL time.)

④ **DECK II cassette door**

⑤ **Deck I eject button**

⑥ **Deck I Operation buttons**

- ▷ **PLAY (FWD)** For playing back a tape in the forward mode.
- ◁ **PLAY (REV)** For playing back a tape in the reverse mode.
- **STOP** For stopping the tape.
- ▶▶ **FAST** Fast forward in forward mode, rewind in reverse mode.
- ◀◀ **FAST** Rewind in forward mode, fast forward in reverse mode.

⑦ **DOLBY* NR switch**

Set this switch to the ON position to activate the DOLBY NR system.

- Tapes recorded using Dolby noise reduction should always be played back with the noise reduction system on. Sound quality will be adversely affected if played back with the system off, or if tapes recorded using a different noise reduction system are played back with the Dolby NR system on.
- It is recommended that tapes recorded with Dolby B type NR be so marked on the label. This will help prevent incorrect setting of the noise reduction button during playback.

*

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

⑧ **ASES (NORMAL, FINE) button**

Used for automatically recording a CD on cassette tape.

⑨ **DECK II CONTROL buttons**

REC MUTE (○) Used for creating a blank space between songs. Pressing this button once creates an unrecorded 4-second space.

The unrecorded space is created for as long as this button is kept pressed during recording.

PAUSE (□) Temporarily stops tape travel. Cancels pause mode when pressed again.

REC (●) To set to recording standby mode. Recording begins when you press the PLAY button (▷ or ◁).

⑩ **Deck II Operation buttons:**

Same as Deck I operation buttons ⑥.

⑪ **Deck II eject button**

6. SPECIFICATIONS

Stereo double cassette deck amplifier: DC-Z74

Amplifier Section

Continuously Average Power Output is 27 Watts* per channel, min., at 8 ohms from 40 Hertz to 20,000 Hertz, with no more than 0.4 % total harmonic distortion.**

* Measured pursuant to the Federal Trade Commission's Trade Regulation rules on Power Output Claims for Amplifiers.

DIN music power..... 50 W + 50 W (1 kHz, T.H.D. 1 %, 8 ohms)
 Continuous Power Output (DIN) 33 W + 33 W
 (1 kHz, T.H.D. 1 %, 8 ohms)
 Peak Music Power Output 350 W (1 kHz, T.H.D. 10 %, 6 Ω)
 Graphic equalizer frequency band 100 Hz, 330 Hz,
 1 kHz, 3.3 kHz, 10 kHz, ± 7 dB

Total Harmonic Distortion
(40 Hz to 20,000 Hz, 16.5 W, 8 ohms) ** No more than 0.2 %

Tape Deck Section

Systems.....	4 track, 2-channel stereo
Heads.....	Recording/playback head x 1
	Playback head x 1
	Erasing head x 1
Motor.....	DC servo 2 speed motor x 2
Wow and Flutter.....	No more than 0.09 % (WRMS)
Fast Winding Time	Approximately 105 seconds
	(C-60 tape)

Frequency Response (— 20 dB recording):
 Normal tape 35 Hz to 14,000 Hz ± 6 dB (EIAJ)
 CrO₂ tape 35 Hz to 15,000 Hz ± 6 dB (EIAJ)
Signal-to-Noise ratio
 Dolby NR OFF 56 dB (EIAJ)
Noise Reduction Effect
 Dolby B type NR ON More than 10 dB (at 5 kHz)

Miscellaneous

Power requirements
 Australian models a.c. 240 Volts ~, 50/60 Hz
 Other destination models
 AC 110/120—127/220/240 V (Switchable), 50/60 Hz
Power Consumption 216 W
Dimensions 360 (W) x 271 (H) x 307 (D) mm
 14-3/16 (W) x 10-11/16 (H) x 12-1/16 (D) in
Weight (without package) 7.2 kg (15 lb 14 oz)

Furnished Parts

Operating Instructions	1
Remote control unit	1
Dry cell batteries	2

- *Specifications and design subject to possible modification without notice due to improvement.*

**** Measured By Audio Spectrum Analyzer.**