

Service
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Service Manual

COMPACT
disc
DIGITAL AUDIO

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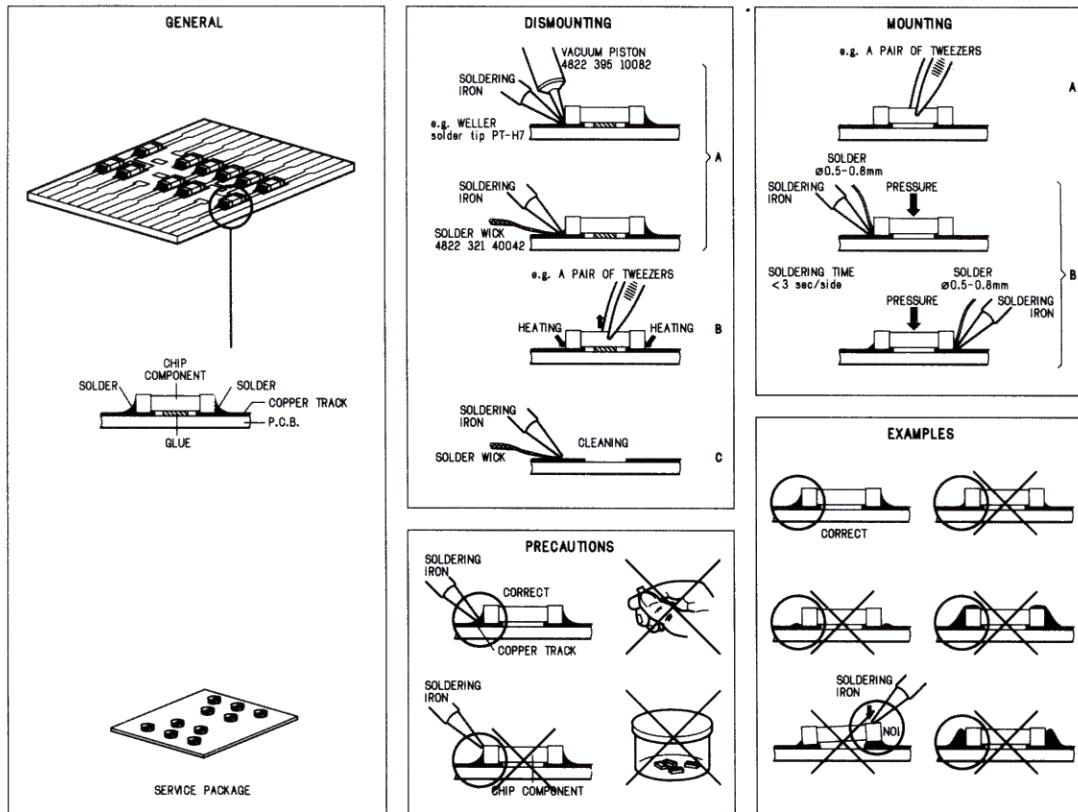
**CLASS 1
LASER PRODUCT**

3122 110 03420



PHILIPS

HANDLING CHIP COMPONENTS



GB WARNING

All IC's and many other semiconductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools at this potential.

F ATTENTION

Tous les IC et beaucoup d'autres semi-conducteurs sont sensibles aux décharges statiques (ESD). Leur longévité pourrait être considérablement écourtée par le fait qu'aucune précaution n'est prise à leur manipulation. Lors de réparations, s'assurer de bien être relié au même potentiel que la masse de l'appareil et enfiler le bracelet serti d'une résistance de sécurité.

Veiller à ce que les composants ainsi que les outils que l'on utilise soient également à ce potentiel.

Anti-static table mat large 1200x650x1.25mm
small 600x650x1.25mm

Anti-static wrist band
Connection box (1M Ω)
Extendible cable (to connect wrist band to conn. box)
Connecting cable (to connect table mat to conn. box)
Earth cable (to connect any product to mat or box)
Complete kit ESD3 (combining all above products)
Wristband tester

D WARNUNG

Alle IC's und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).

Unvorsichtige Behandlung im Reparaturfall kann die Lebensdauer drastisch reduzieren.

Sorgen Sie dafür, daß sie im Reparaturfall über ein Pulsarmband mit Widerstand mit dem Massepotential des Gerätes verbunden sind.

Halten Sie Bauteile und Hilfsmittel ebenfalls auf diesem Potential.

4822 466 10953
4822 466 10958
4822 395 10223
4822 320 11307
4822 320 11305
4822 320 11306
4822 320 11308
4822 310 10671
4822 344 13999

GB

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.
Safety components are marked by those symbol. ⚠

S Varning !

Osynlig laserstrålning när apparaten är öppnad och spårren är urkopplad. Betrakta ej strålen.

DK Advarsel !

Usynlig laserstrålning ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

SF Varoitus !

Avatussa laitteessa ja suojalukituksen ohitettaessa olet alttiina näkyttömälle laserisäteilylle. Älä katso säteeseen!

ESD



NL WAARSCHUWING

Alle IC's en vele andere halfgeleiders zijn gevoelig voor electrostatische ontladingen (ESD).

Onzorgvuldig behandelen tijdens reparatie kan de levensduur drastisch doen verminderen. Zorg ervoor dat u tijdens reparatie via een polsband met weerstand verbonden bent met hetzelfde potentiaal als de massa van het apparaat.

Houd componenten en hulpmiddelen ook op ditzelfde potentiaal.

I AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).

La loro longevità potrebbe essere fortemente ridotta in caso di non osservazione della più grande cautela alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un braccialetto a resistenza.

Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

GB WARNING

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified be used.

F ATTENTION

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

D WARNUNG

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand des Gerätes darf nicht verändert werden. Für Reparaturen sind Original-ersatzteile zu verwenden.

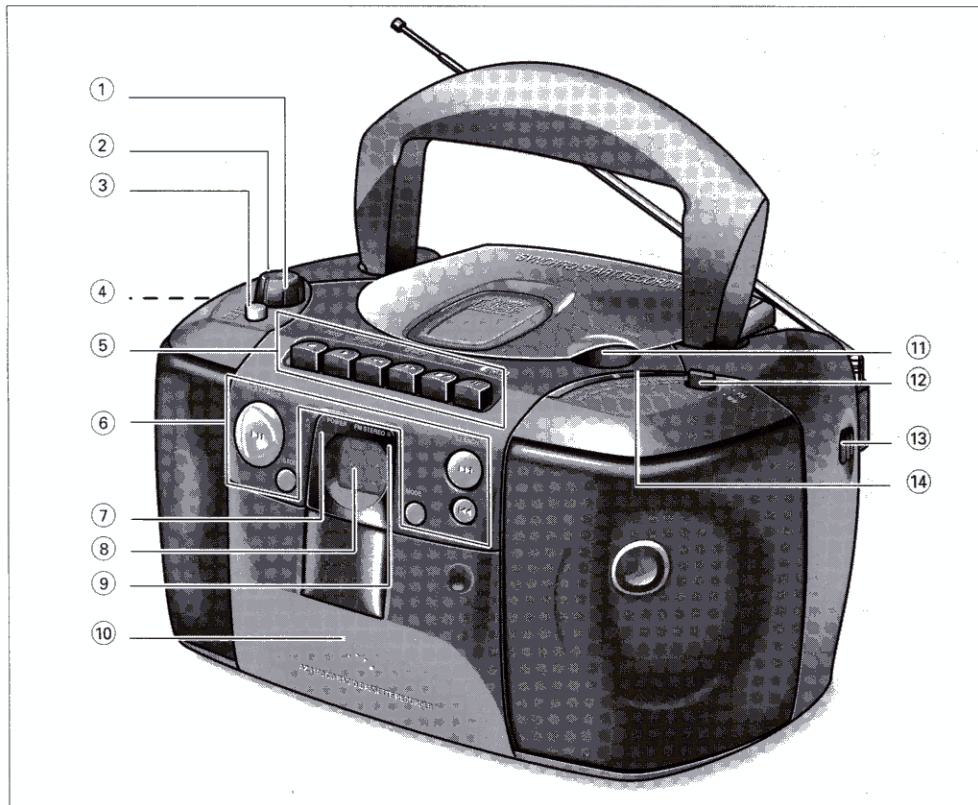
NL WAARSCHUWING

Veiligheidsbepalingen vereisen, dat het apparaat in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

I AVVERTIMENTO

Le norme di sicurezza estigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

CONNECTIONS AND CONTROLS



TOP and FRONT PANEL

- ① **VOLUME** – to adjust the volume level
- ② **Source selector** – POWER ON/OFF switch and to select the sound source: CD - TUNER - TAPE
- ③ **DBB (Dynamic Bass Boost)** – to increase the bass level
- ④ – 3.5 mm headphone socket
- ⑤ **Cassette keys**
PAUSE – to interrupt playback
STOP • OPEN – to stop playback and open the cassette compartment
SEARCH – to fast forward the tape
SEARCH – to fast rewind the tape
PLAY – to start playback
RECORD – to start recording
- ⑥ **CD buttons**
PLAY • PAUSE – to start or interrupt CD playback
STOP – to stop playback
SEARCH – to skip or search a passage or a track
MODE – to select a different playback mode e.g. to SHUFFLE or REPEAT and to program track numbers
- ⑦ **POWER indicator** – lights up when mains supply is on
- ⑧ **CD display** – to indicate CD functions
- ⑨ **FM stereo indicator** – lights up when receiving FM STEREO
- ⑩ **Cassette compartment**
- ⑪ **OPEN** – to open the CD door
- ⑫ **Band selector** – to select the wave band (FM-LW-MW)
- ⑬ **TUNING** – to tune to radio stations
- ⑭ **Tuning dial pointer**

BACK PANEL

- ⑮ **BEAT CUT switch** – for eliminating possible whistle tones during AM (MW) recordings
- ⑯ **Telescopic aerial** – To improve FM reception
- ⑰ **MAINS plug** – for mains lead
- ⑱ **Battery door** – to open the battery compartment

SPECIFICATIONS

GENERAL

Mains voltage

Laser wavelength
Mains frequency

Battery
Power consumption
Dimension (W x H)
Weight

AMPLIFIER

Output power

Speaker impedance
Frequency response

AUDIO/CASSETTE

Tape speed
Wow & flutter
Fast-wind time (C)
Frequency response
S/N ratio
Erase ratio
Bias frequency

SPECIFICATIONS

GENERAL

Mains voltage	-/00	: 230V
	-/01	: 120/230V
	-/05	: 240V
	-/17	: 120V
Laser wavelength		: 780 ± 20nm
Mains frequency	-/00/05	: 50Hz
	-/01	: 50/60Hz
	-/17	: 60Hz
Battery		: 12V (R14H x 8)
Power consumption		: 35W
Dimension (W x H x D)		: 285 x 145 x 245mm
Weight		: 3Kg

AMPLIFIER

Output power	mains	: 2 x 2 W
	battery	: 2 x 2 W
Speaker impedance		: 2 x 8 ohm
Frequency response		: 100Hz - 8KHz (-3dB)

AUDIO/CASSETTE

Tape speed	: 4.76cm/s ± 3%
Wow & flutter	: < 0.3 WTD DIN
Fast-wind time (C60)	: < 130 sec.
Frequency response	: 125 - 8KHz (± 8dB)
S/N ratio	: > 45dB
Erase ratio	: > 53dB (w/BPF)
Bias frequency	: 60 ± 10KHz

COMPACT DISC

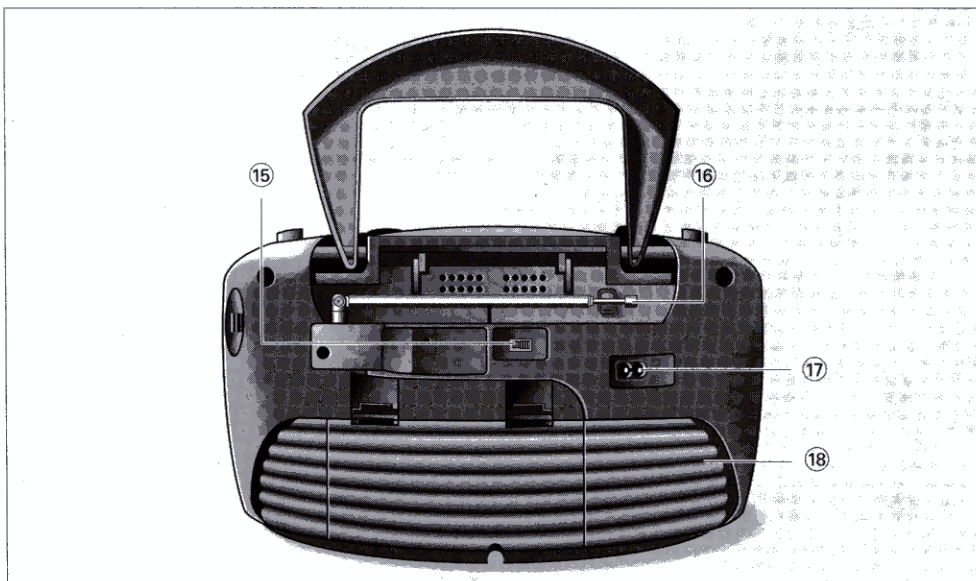
Frequency response	± 3dB	: 80 - 12KHz
Signal/noise ratio		: > 67dB
Distortion	at 1KHz	: < 1%
Channel difference	at 1KHz	: < 2dB
Channel crosstalk	at 1KHz	: > 40dB
Laser light power		: < 0.3mW

TUNER - FM section

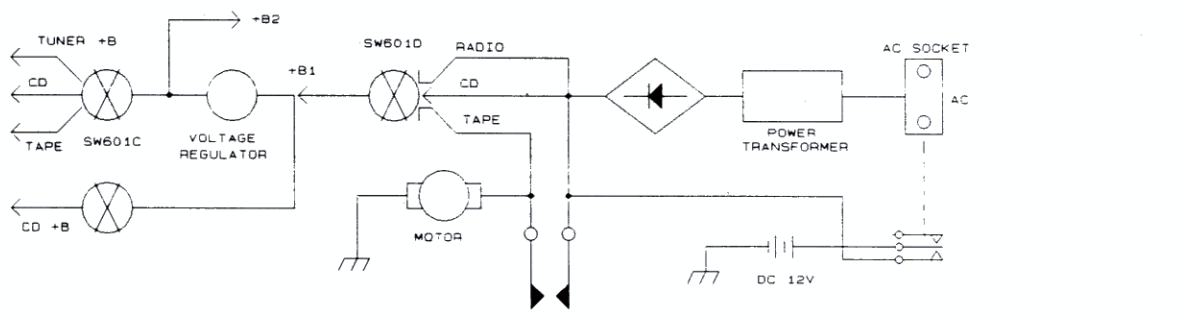
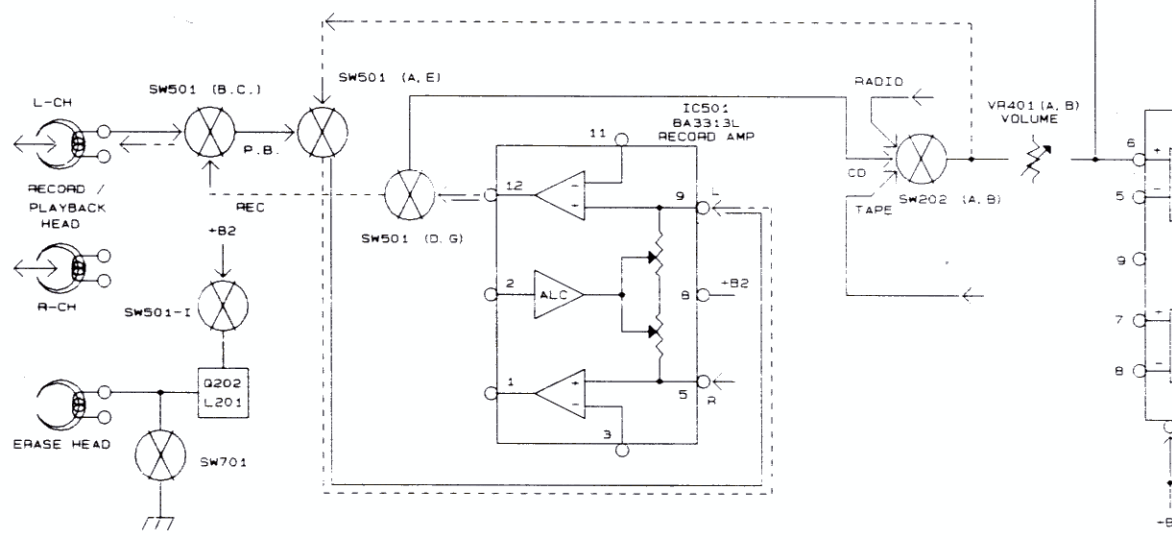
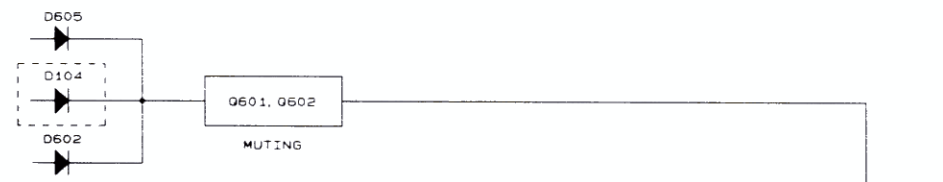
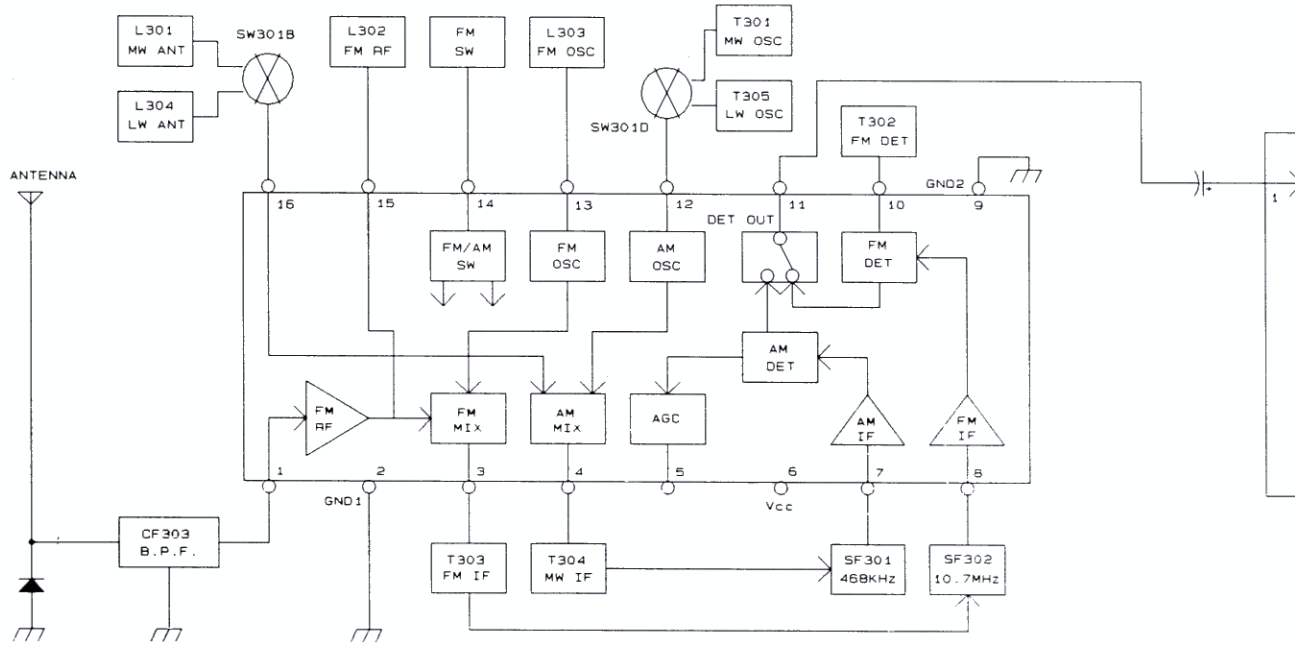
Tuning range		: 87.35 - 108.25MHz
	-/14	: 65 - 108MHz
IF frequency		: 10.7MHz
Sensitivity		: < 4.5dBf at 26dB S/N
Selectivity		: > 20dB at 600KHz B.W.
IF rejection		: > 54dB
Image rejection		: > 25dB
AM suppression		: > 28dB
Stereo separation	1KHz	: > 25dB

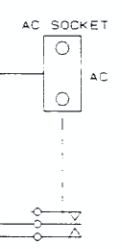
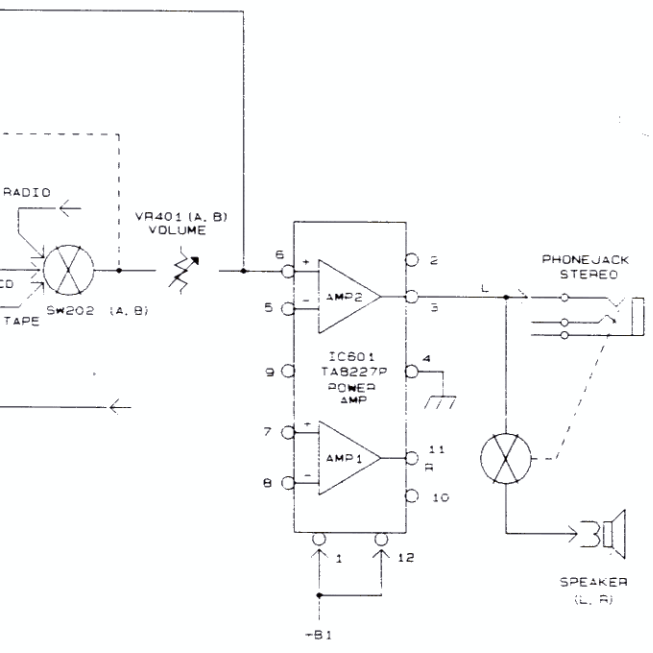
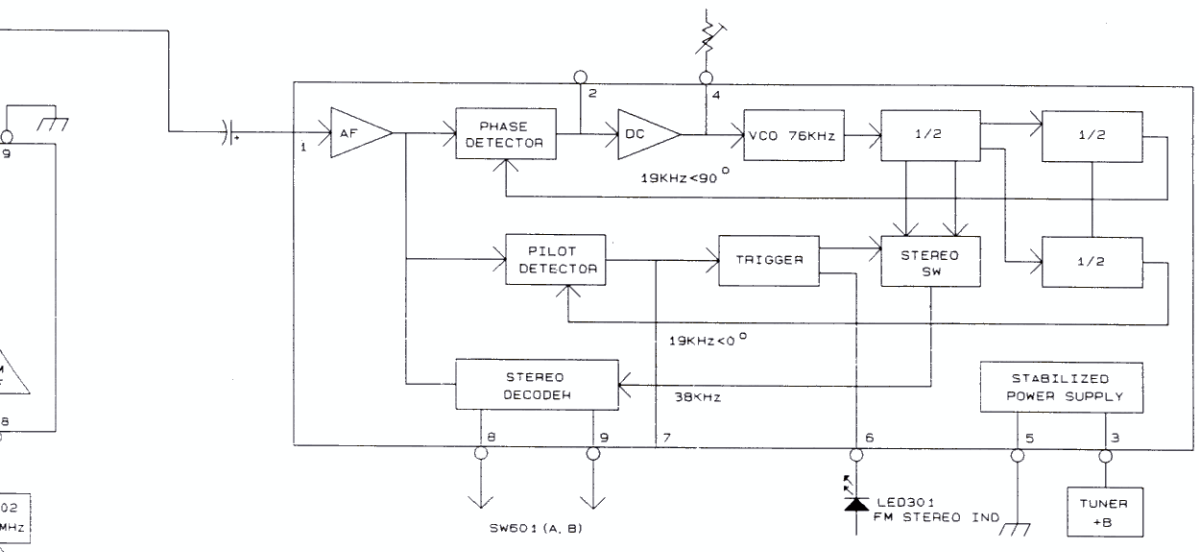
TUNER - AM section (LW for -/00/05 only)

Tuning range	MW	: 516.5 - 1630kHz
	-/17 AM	: 520 - 1710kHz
	LW	: 148.5 - 283.5KHz
IF frequency		: 468 ± 3KHz
Sensitivity	MW	: < 2500µV/m 26dB S/N
	LW	: < 4200µV/m 26dB S/N
Selectivity	MW	: > 16dB
	LW	: > 20dB
IF rejection	MW	: > 35dB
	LW	: > 20dB
Image rejection	MW	: > 28dB
	LW	: > 20dB



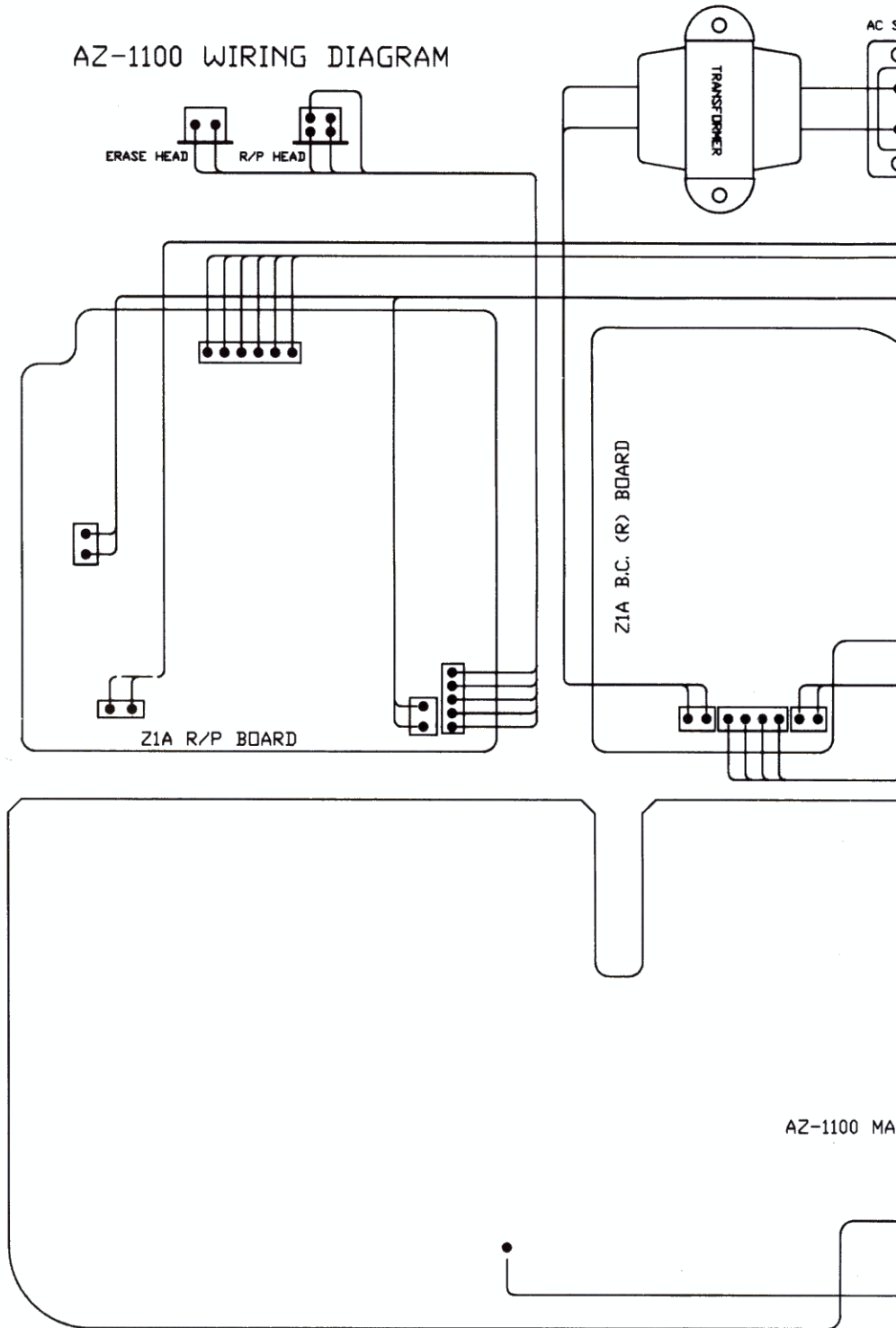
BLOCK DIAGRAM

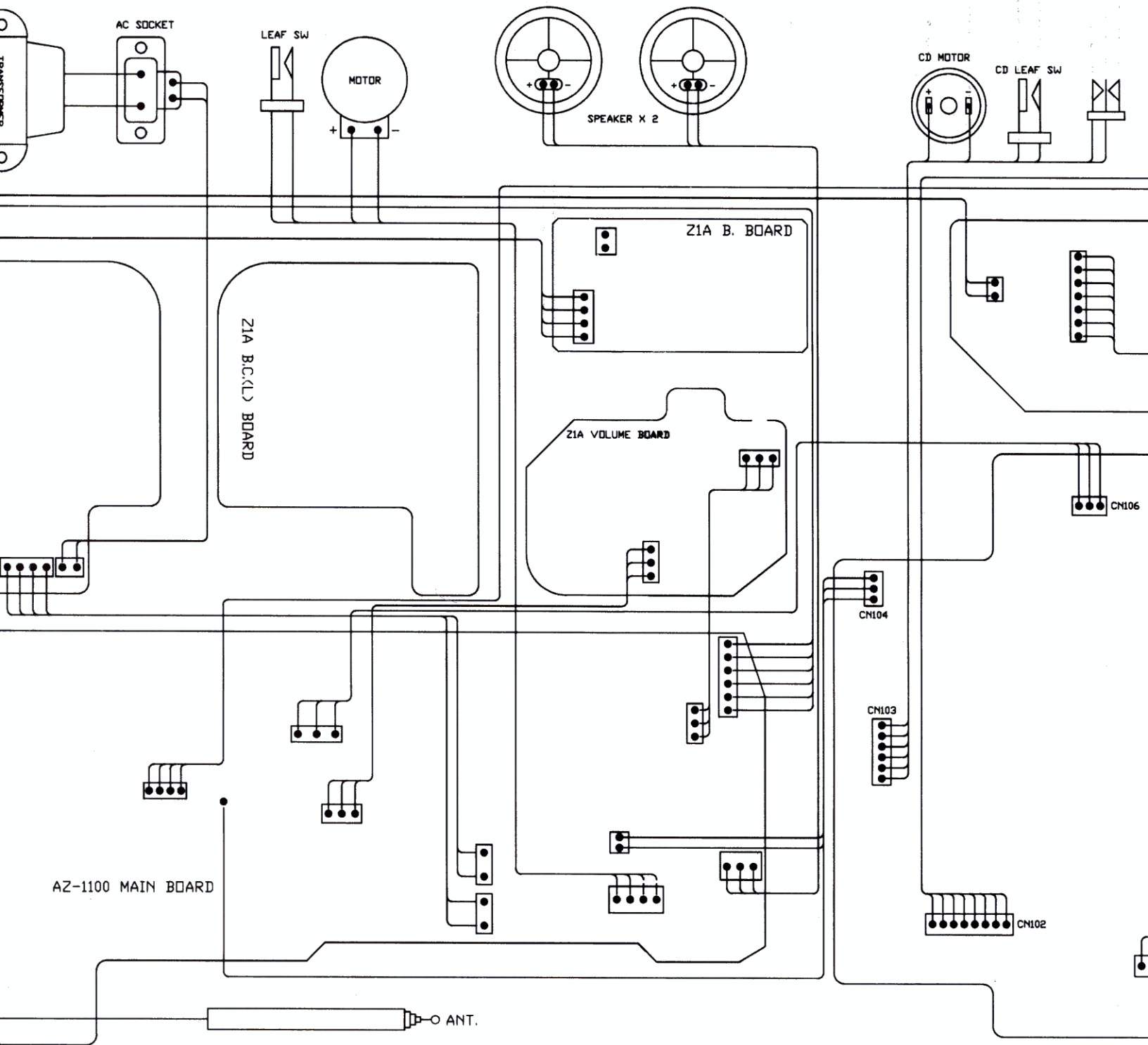


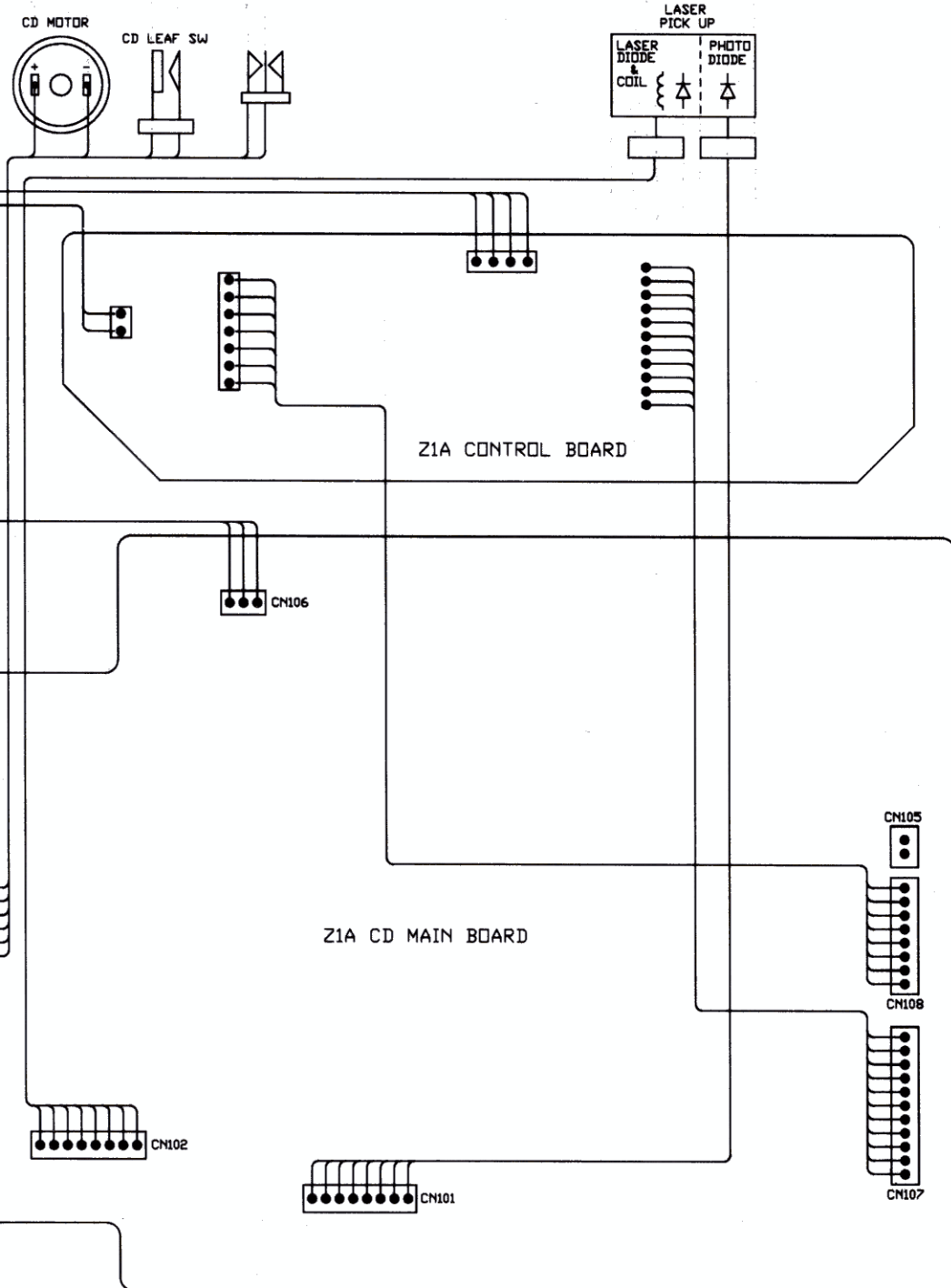


WIRING DIAGRAM

AZ-1100 WIRING DIAGRAM



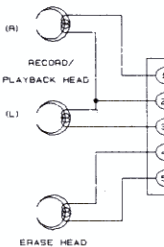
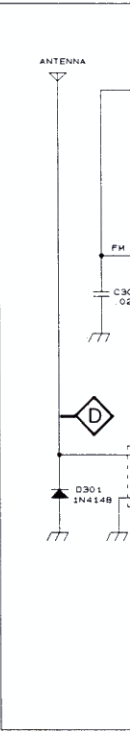




RADIO ALIGNMENT

AM/FM M

AM IF								
MW *	468KHz		min.	T303			max.	symm.
AM RF								
MW *	516.5KHz		max.	T301			max.	
	1631.5KHz		min.	TC304				
	600KHz			L301				
	1400KHz			CT303				
LW *	140KHz		max.	T305			max.	
	295KHz		min.	TC306				
	160KHz			L304				
	250KHz			TC305				
FM IF								
FM #	10.7MHz		min.	T302 T304				symm. max. lin.
FM RF								
FM #	87.5MHz		max.	L303			max.	
	108.35MHz		min.	CT302				
	90MHz			L302				
	106MHz			CT301				
STEREO DECODER								
FM #	98MHz		98MHz	VR301			Stereo light on	



* Mod. 1KHz 30%
10nF + 15E

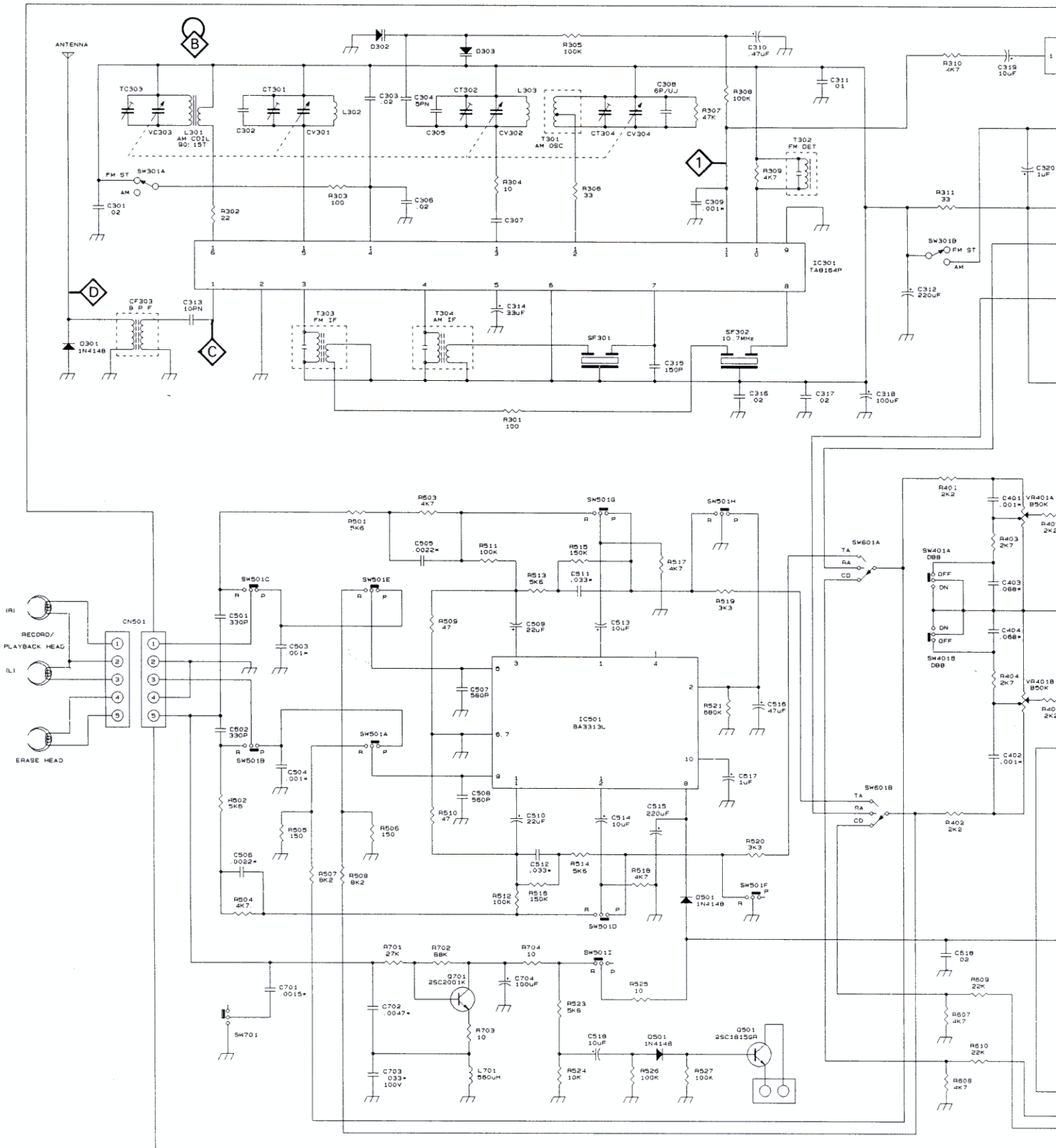
Repeat

CASSETTE ADJUSTMENT

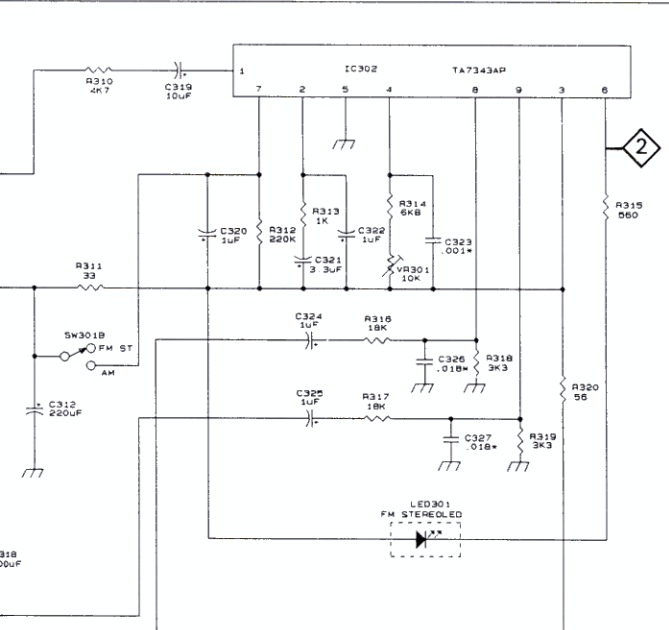
Adjustment	Cassette	SK...	Tape Deck	Measure on	Read on	Adjust with	Adjust to
Head Azimuth	6.3KHz	Tape	Play	Headphone Jack	MV Meter	Loose screw of R/P head	max. L = R
Tape speed wow & flutter	3KHz (MTT-111N OR EQUV)	Tape	Play	Headphone Jack	Wow & flutter meter	Preset VR	**a

**a The maximum...
Moreover,

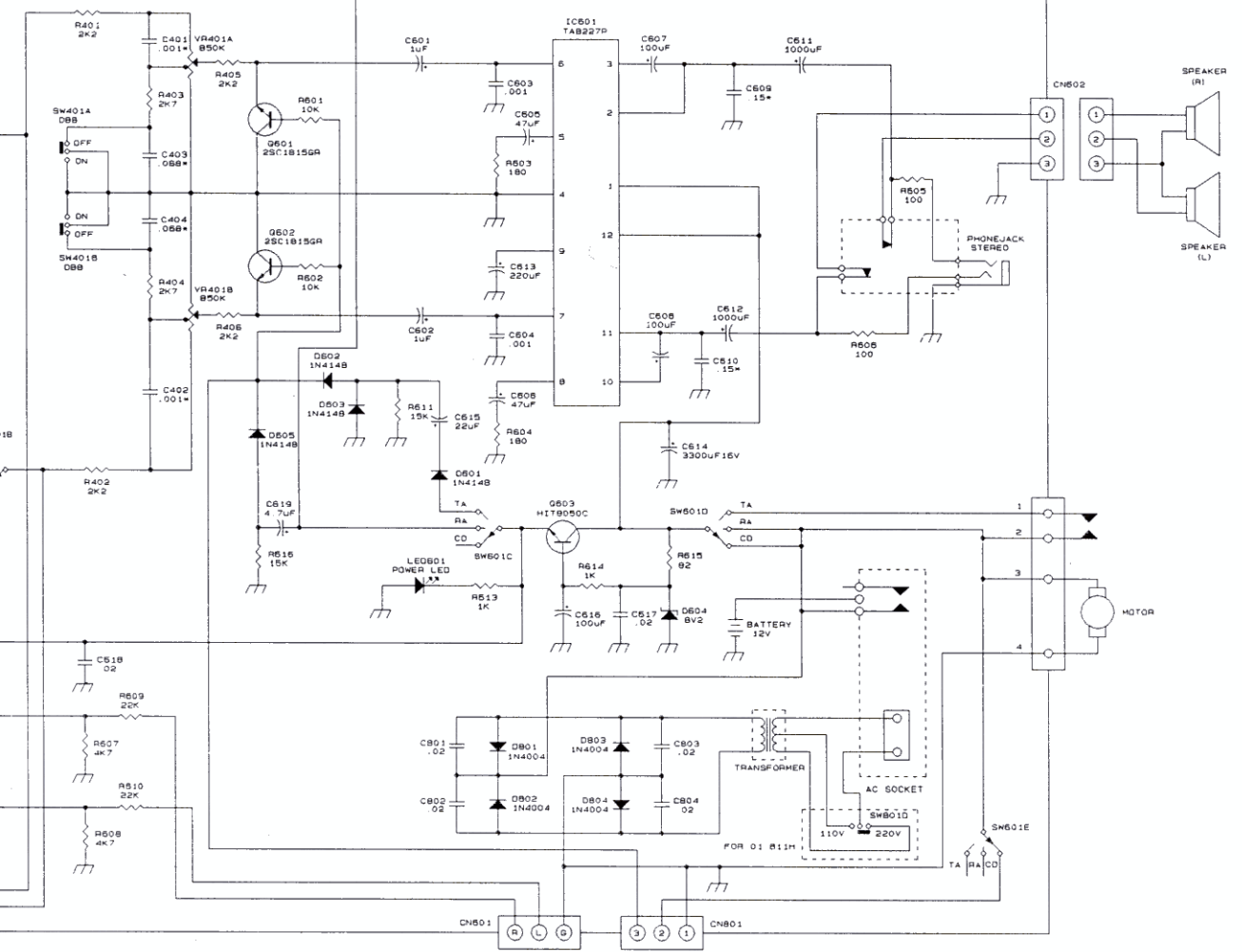
AM/FM MAIN BOARD - CIRCUIT DIAGRAM



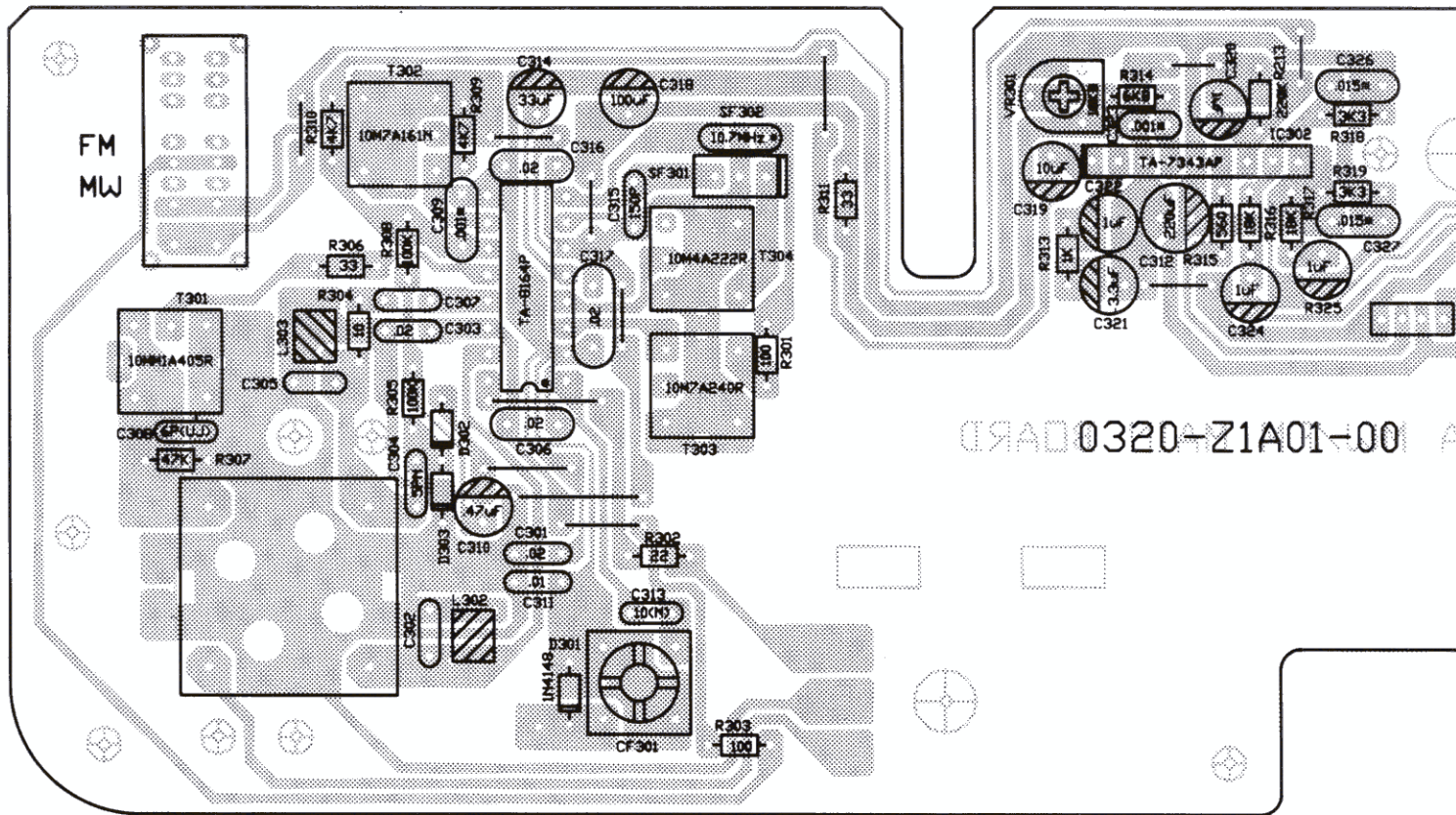
**a The maximum permissible speed deviation is $\pm 3\%$.
 Moreover, the wow and flutter value can be read.



VERSION	01	06	07	10	11H	13	14	17
C302	18P/N	20P/N	18P/N	18P/N	18P/N	18P/N	18P/N	18P/N
C305	24P/N	12P/N	24P/N	24P/N	24P/N	24P/N	24P/N	24P/N
C307	20P/N	40P/N	20P/N	20P/N	20P/N	20P/N	20P/N	20P/N
CF303	A258A	10EFN	A258A	A258A	A258A	A258A	A258A	A258A
D302	1S263B	-	1S263B	1S263B	1S263B	1S263B	1S263B	1S263B
D303	-	1S263B	-	-	-	-	-	-
L302	D3.5mm4T5	D4.5mm3T5	D3.5mm4T5	D3.5mm4T5	D3.5mm4T5	D3.5mm4T5	D3.5mm4T5	D3.5mm4T5
L303	D3.5mm3T5	D4.5mm4T5	D3.5mm3T5	D3.5mm3T5	D3.5mm3T5	D3.5mm3T5	D3.5mm3T5	D3.5mm3T5
PVC	701X	702X	701X	701X	701X	701X	701X	701X
SF301	468KHZ	468KHZ	455KHZ	468KHZ	468KHZ	468KHZ	468KHZ	455KHZ



AM/FM MAIN BOARD - LAYOUT DIAGRAM



VOLTAGE CHART

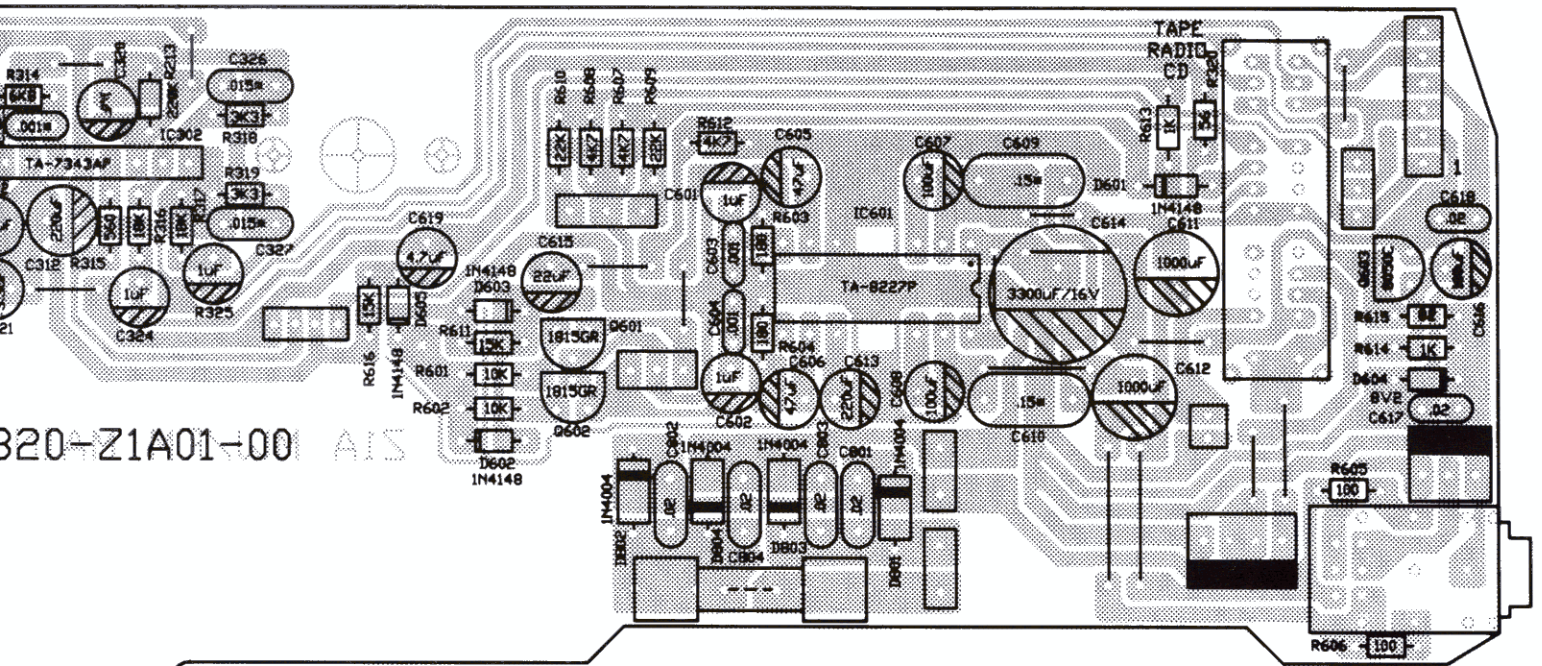
IC301 TA8164			
PIN	FM	LW	MW
1	0.78	0	0
2	GND	GND	GND
3	6.11	6.65	6.65
4	5.77	6.65	6.65
5	0	0.028	0.014
6	5.77	6.65	6.65
7	5.76	6.64	6.64
8	6.11	6.64	6.64
9	GND	GND	GND
10	6.11	6.64	6.65
11	1.06	1.51	1.58
12	5.44	6.64	6.63
13	5.79	0	0
14	5.84	0	0
15	6.11	6.65	6.65
16	0.56	6.65	6.65

IC302 TA7343			
PIN	FM	LW	MW
1	3.37	3.42	3.42
2	5.04	5.41	5.39
3	6.48	6.83	6.83
4	5.66	6.33	6.13
5	GND	GND	GND
6	5.87	6.24	6.18
7	5.81	6.65	6.64
8	3.85	3.98	3.98
9	3.83	3.96	3.96

IC601 TA8227P			
PIN	FM	LW	MW
1	11.99	11.99	11.99
2	6.41	6.41	6.4
3	11.68	11.68	11.68
4	GND	GND	GND
5	0.59	0.59	0.59
6	0.007	0.005	0.006
7	0.007	0.005	0.006
8	0.58	0.58	0.59
9	6.5	6.5	6.5
10	11.68	11.68	11.68
11	6.35	6.35	6.35
12	11.99	11.99	11.99

IC501 BA3313L		
PIN	Play	Rec
1	3.09	2.97
2	0	0.29
3	0.6	0.6
4		
5	0	0
6	GND	GND
7	GND	GND
8	7.11	6.87
9	0	0
10	7.05	6.82
11	0.6	0.6
12	3.13	3.02

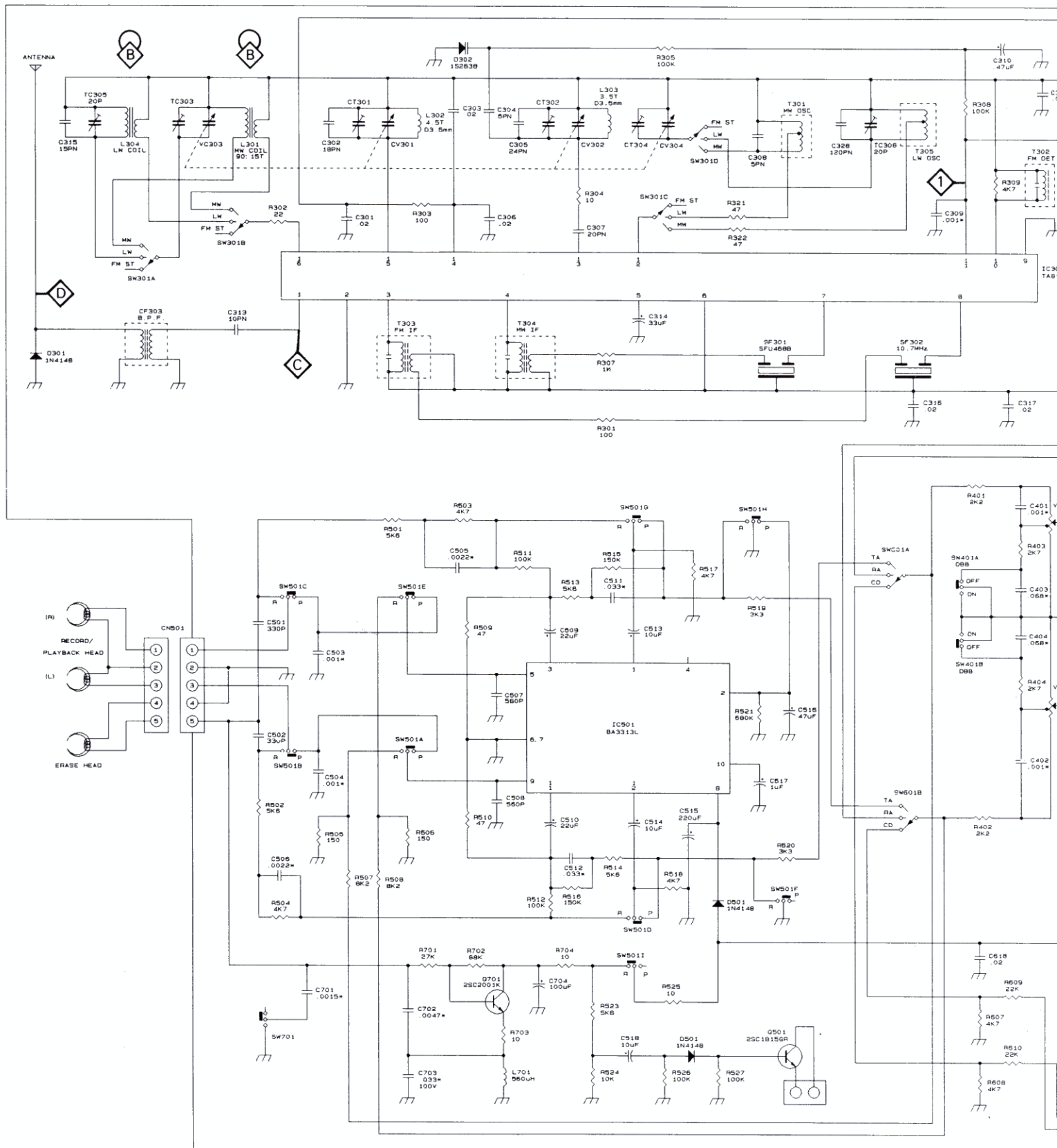
	B	C	E
Q501 (Play)	0.005	0.003	0
Q501 (Rec)	0.425	7	-1.94
Q601	0.11	0	0
Q602	0.03	0	0
Q603	8.44	11.99	7.78

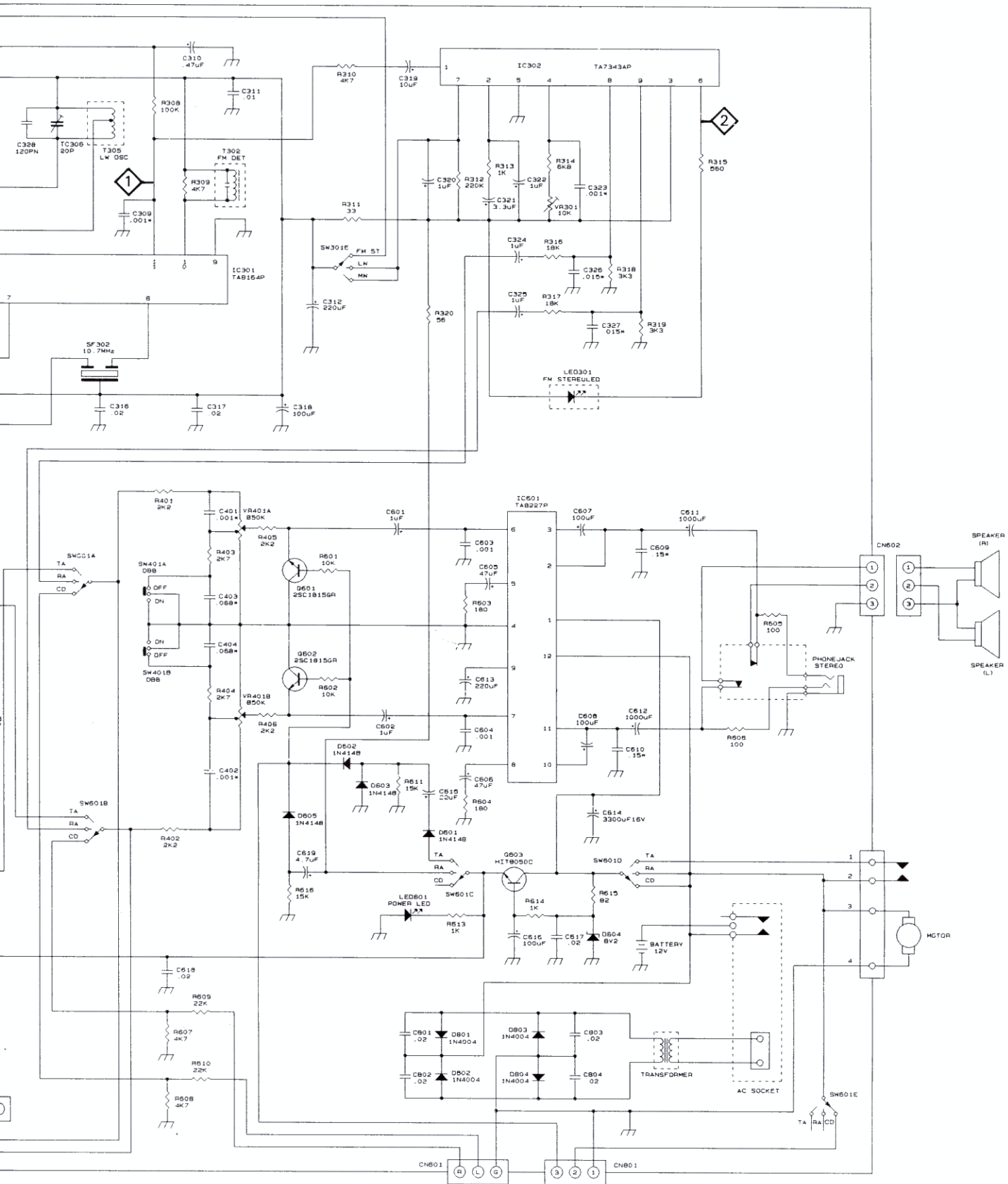


320-Z1A01-00 AIS

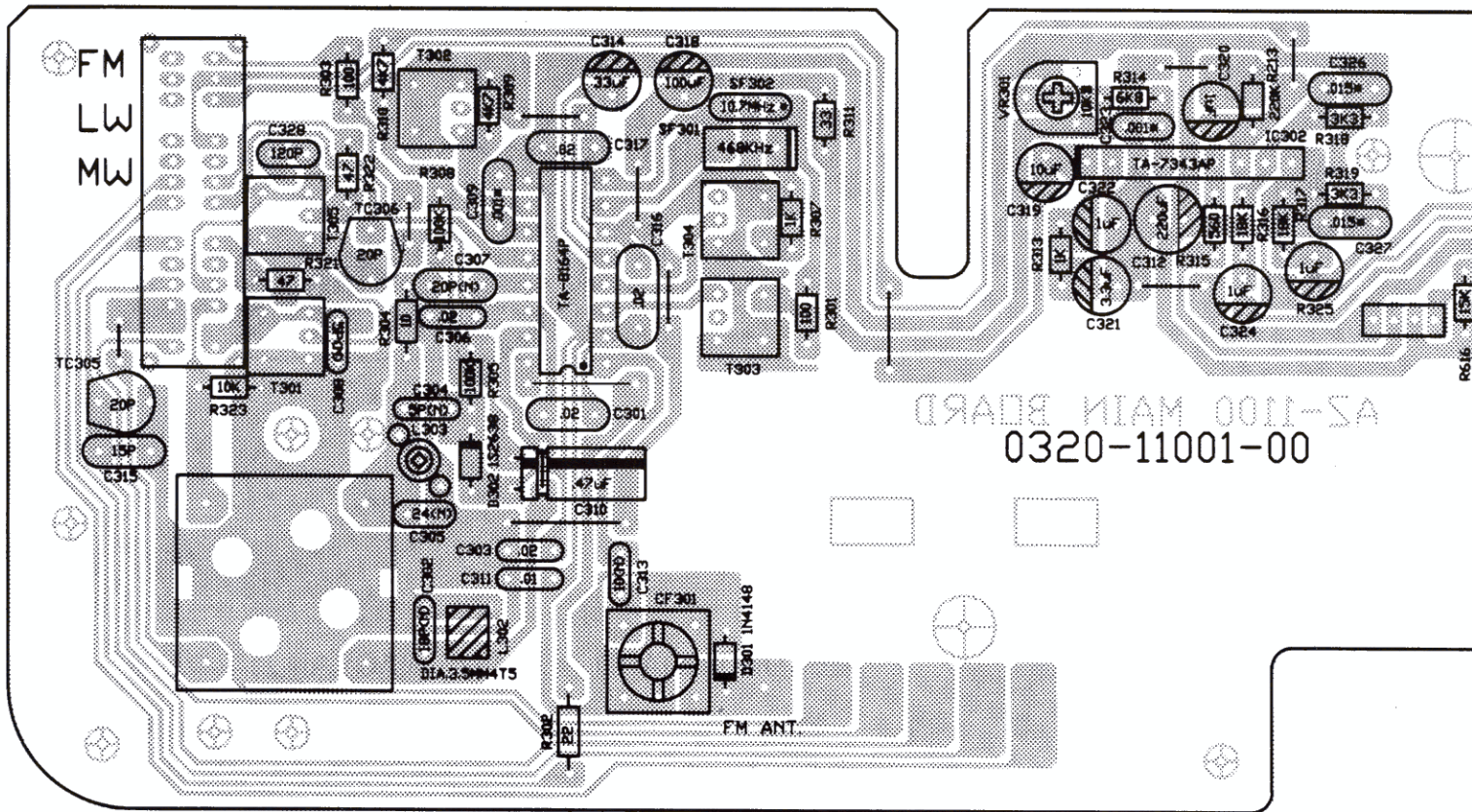
	B	C	E
Q501 (Play)	0.005	0.003	0
Q501 (Rec)	0.425	7	-1.94
Q601	0.11	0	0
Q602	0.03	0	0
Q603	8.44	11.99	7.78

MW/FM/LW MAIN BOARD - CIRCUIT DIAGRAM





MW/FM/LW MAIN BOARD - LAYOUT DIAGRAM



VOLTAGE CHART

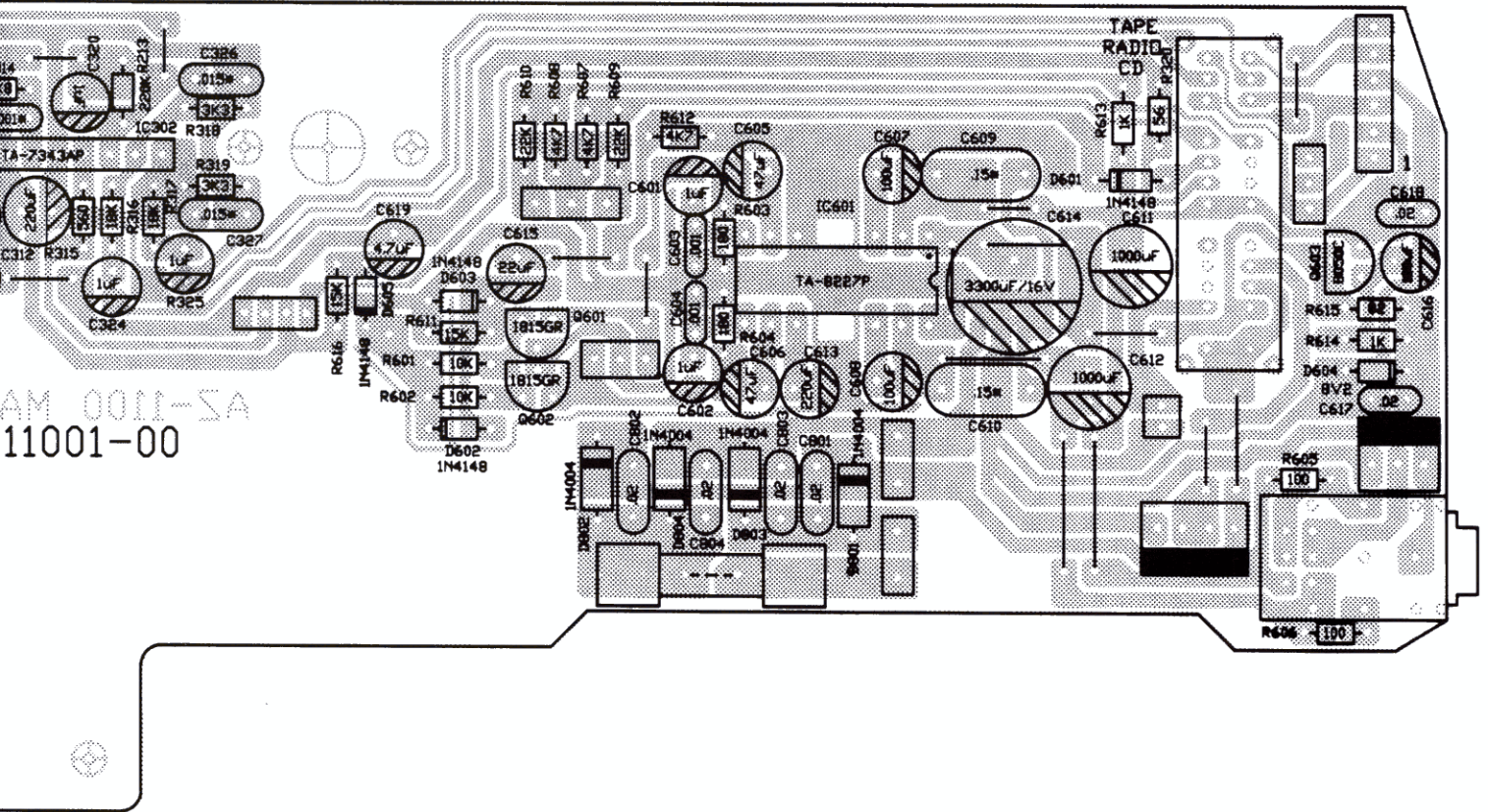
IC301 TA8164			
PIN	FM	LW	MW
1	0.78	0	0
2	GND	GND	GND
3	6.11	6.65	6.65
4	5.77	6.65	6.65
5	0	0.028	0.014
6	5.77	6.65	6.65
7	5.76	6.64	6.64
8	6.11	6.64	6.64
9	GND	GND	GND
10	6.11	6.64	6.65
11	1.06	1.51	1.58
12	5.44	6.64	6.63
13	5.79	0	0
14	5.84	0	0
15	6.11	6.65	6.65
16	0.56	6.65	6.65

IC302 TA7343			
PIN	FM	LW	MW
1	3.37	3.42	3.42
2	5.04	5.41	5.39
3	6.48	6.83	6.83
4	5.66	6.33	6.13
5	GND	GND	GND
6	5.87	6.24	6.18
7	5.81	6.65	6.64
8	3.85	3.98	3.98
9	3.83	3.96	3.96

IC601 TA8227P			
PIN	FM	LW	MW
1	11.99	11.99	11.99
2	6.41	6.41	6.4
3	11.68	11.68	11.68
4	GND	GND	GND
5	0.59	0.59	0.59
6	0.007	0.005	0.006
7	0.007	0.005	0.006
8	0.58	0.58	0.59
9	6.5	6.5	6.5
10	11.68	11.68	11.68
11	6.35	6.35	6.35
12	11.99	11.99	11.99

IC501 BA3313L		
PIN	Play	Rec
1	3.09	2.97
2	0	0.29
3	0.6	0.6
4		
5	0	0
6	GND	GND
7	GND	GND
8	7.11	6.87
9	0	0
10	7.05	6.82
11	0.6	0.6
12	3.13	3.02

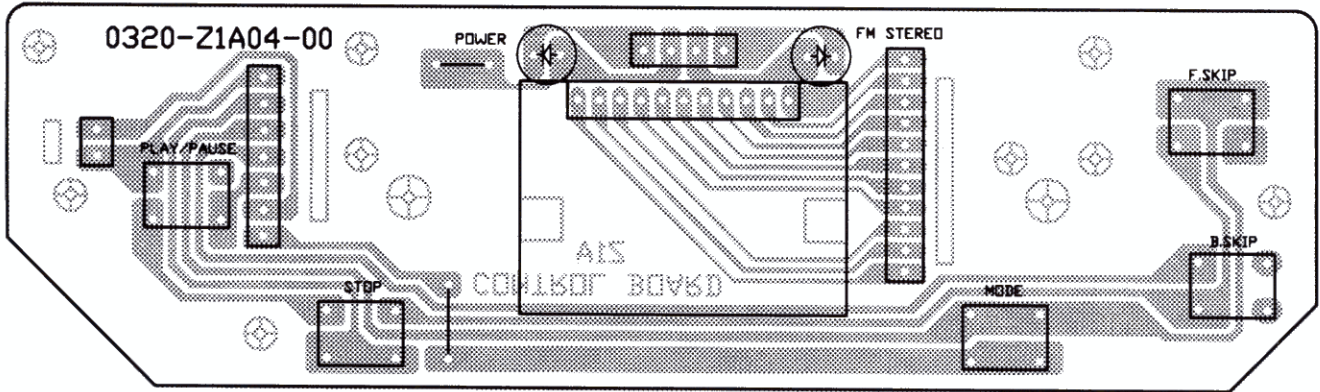
	B	C	E
Q501 (Play)	0.005	0.003	0
Q501 (Rec)	0.425	7	-1.94
Q601	0.11	0	0
Q602	0.03	0	0
Q603	8.44	11.99	7.78



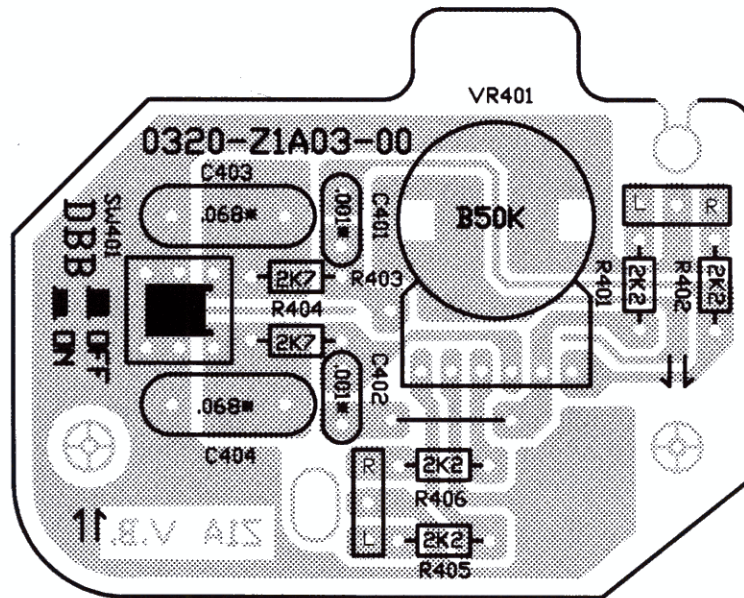
AM 0011-SA
11001-00

	B	C	E
(Play)	0.005	0.003	0
(Rec)	0.425	7	-1.94
801	0.11	0	0
802	0.03	0	0
803	8.44	11.99	7.78

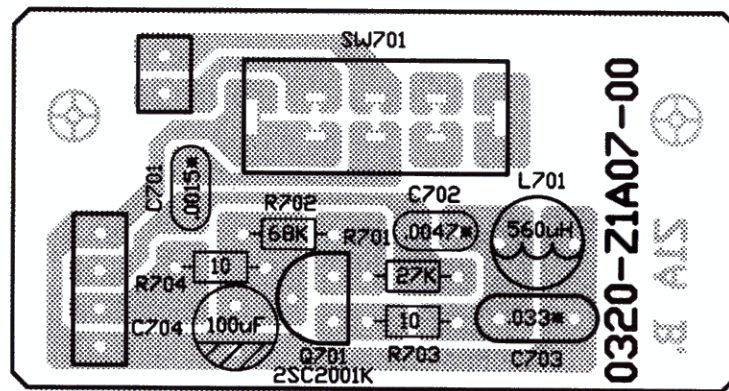
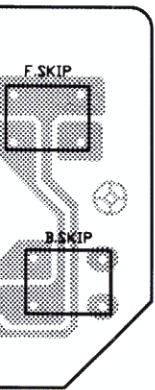
CD CONTROL BOARD - LAYOUT DIAGRAM



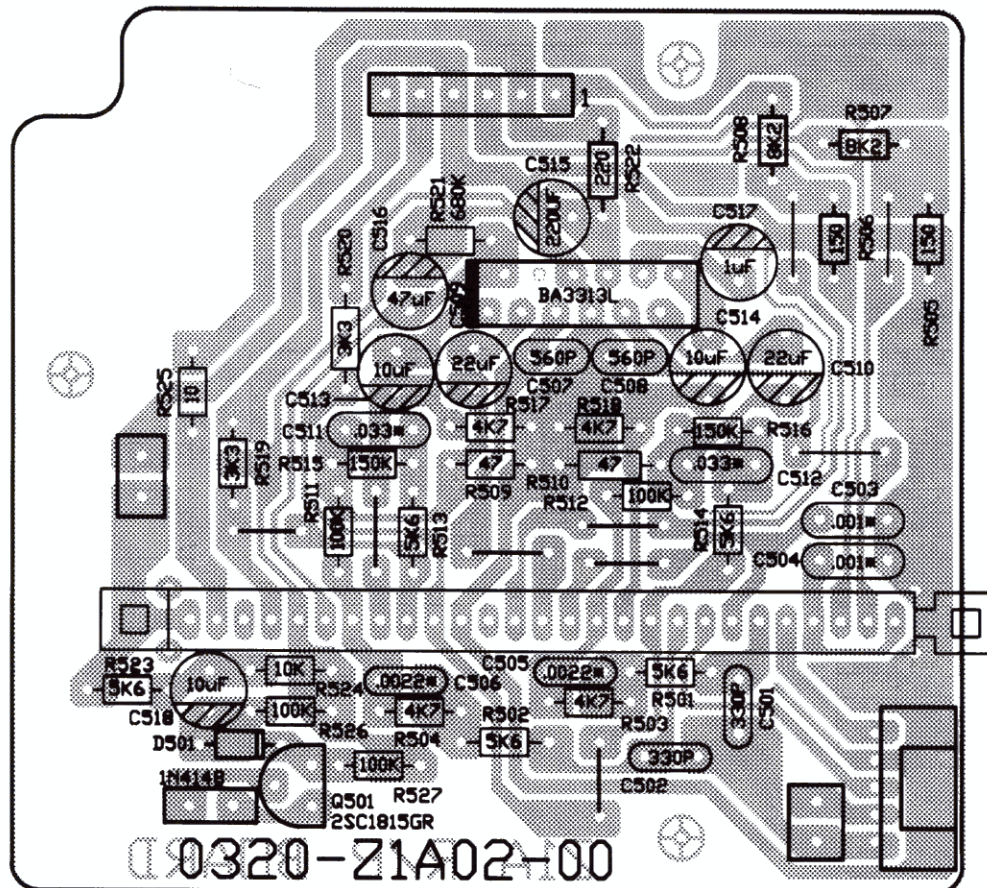
VOLUME BOARD - LAYOUT DIAGRAM



BEAT CUT BOARD - LAYOUT DIAGRAM



RECORD BOARD - LAYOUT DIAGRAM



CD TROUBLE SHOOTING CHART

Fig. 2 Flow Chart

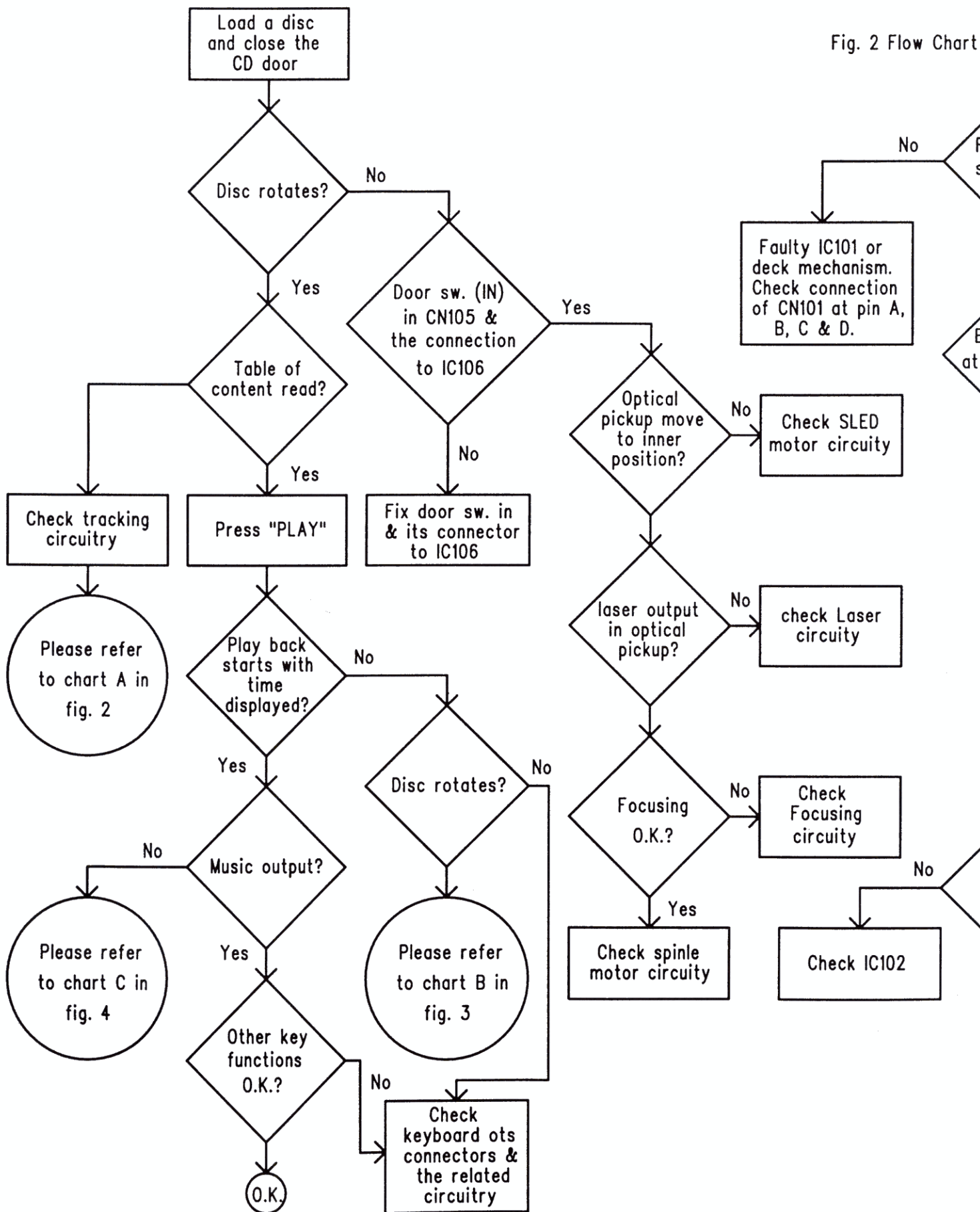


Fig. 2 Flow Chart

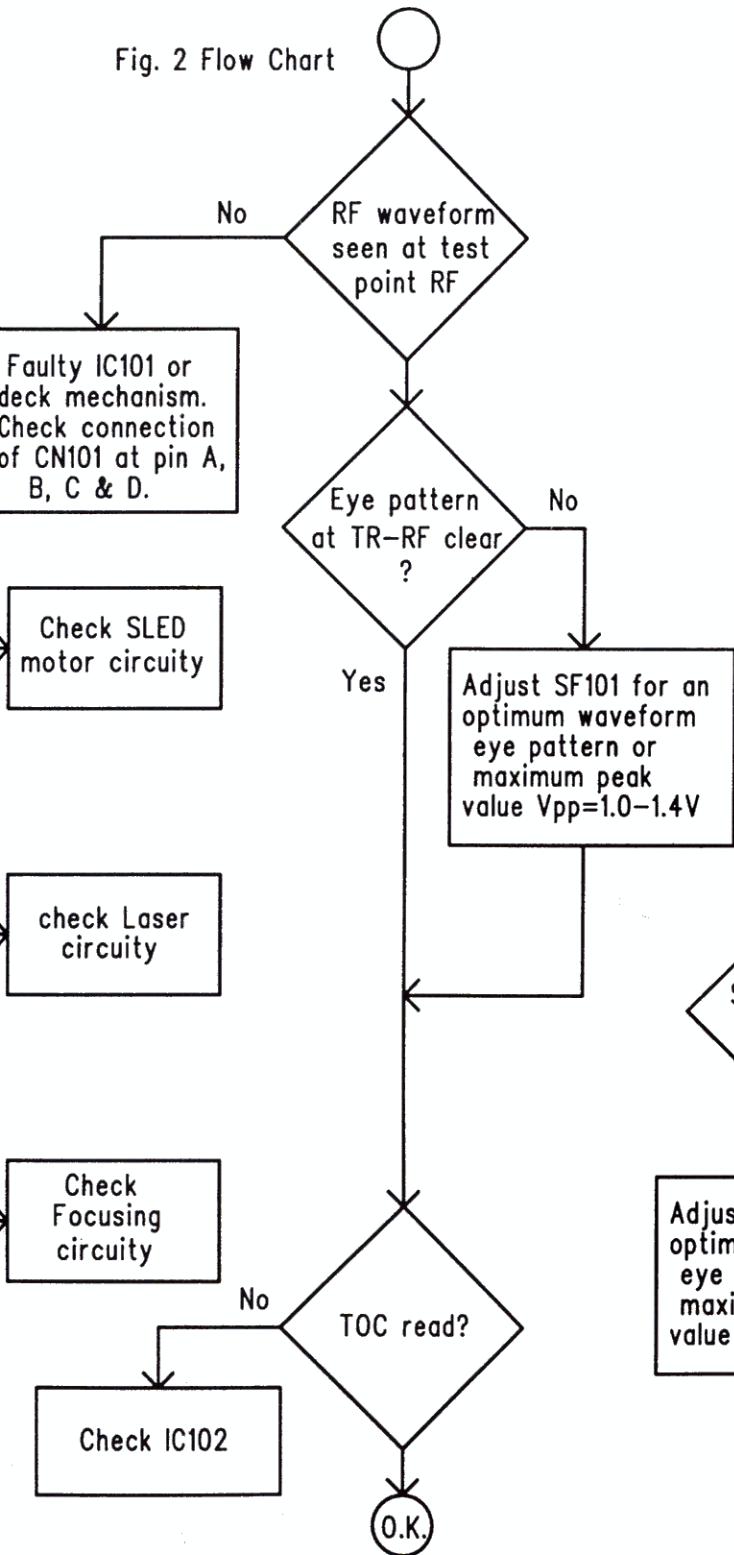


Fig. 3 Flow Chart

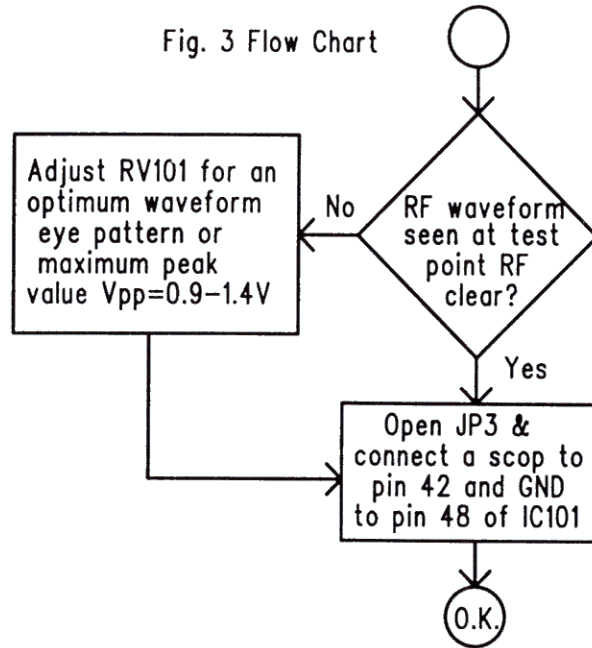
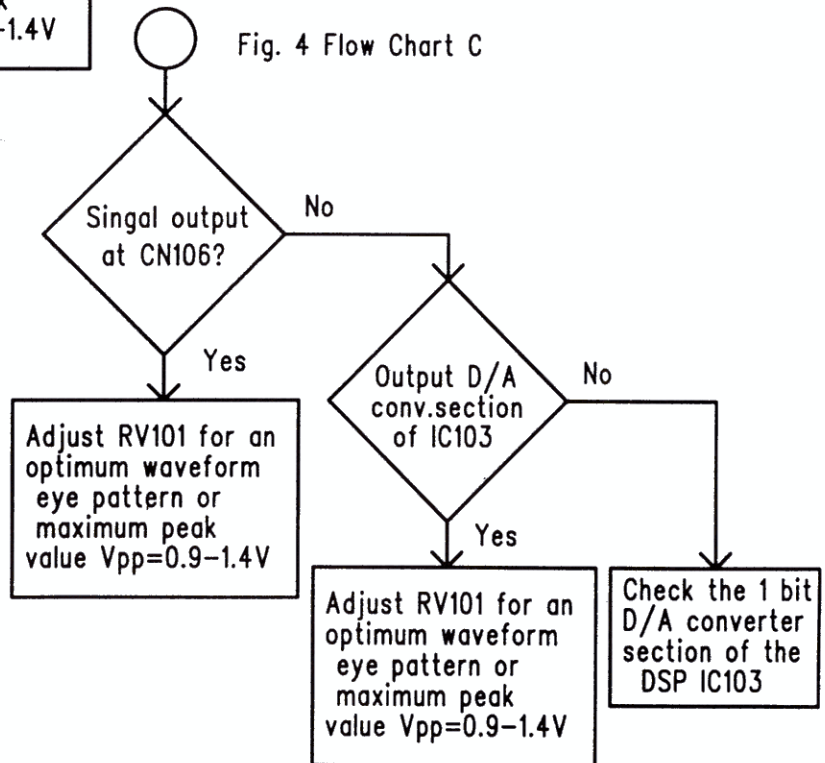
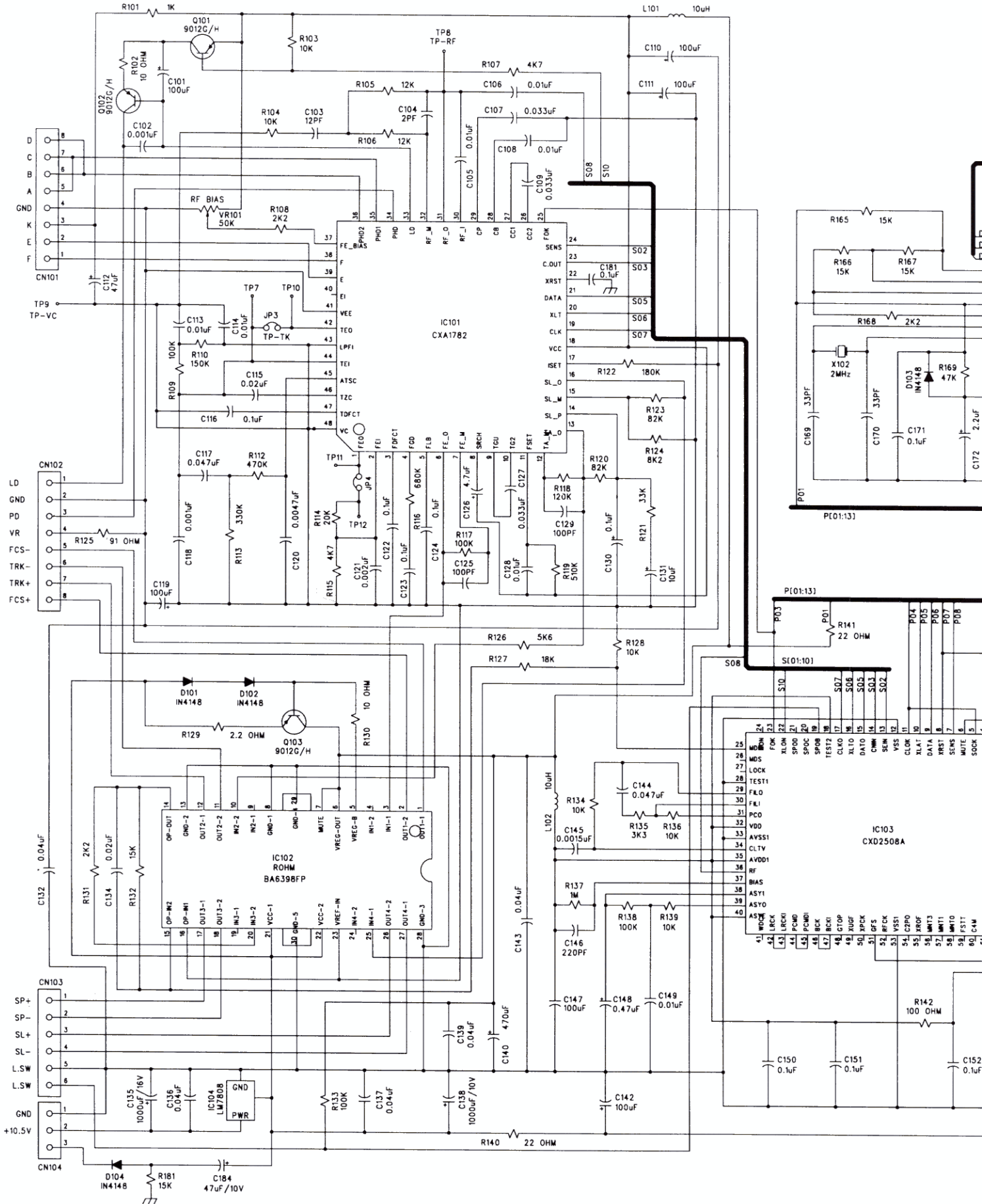
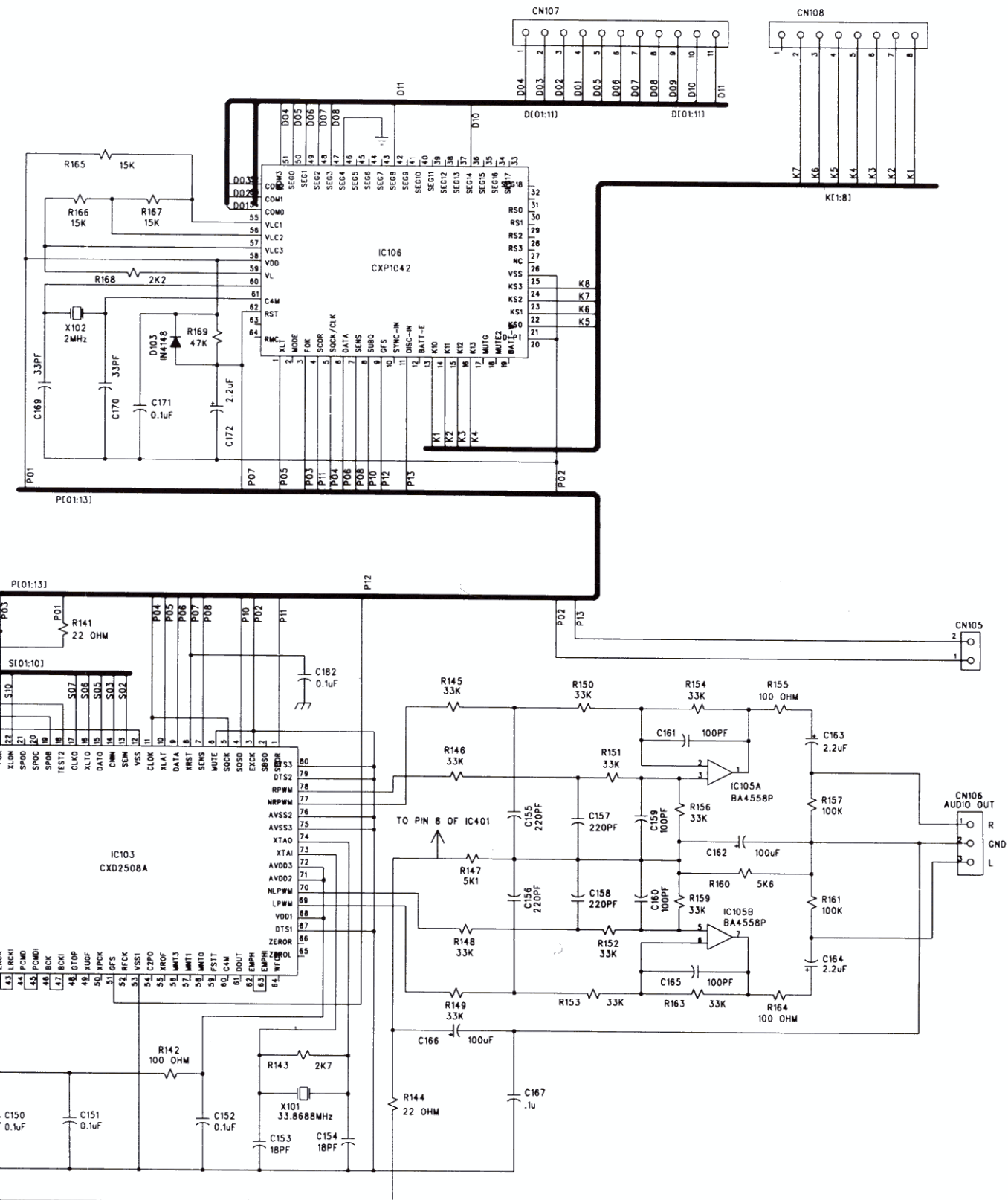


Fig. 4 Flow Chart C



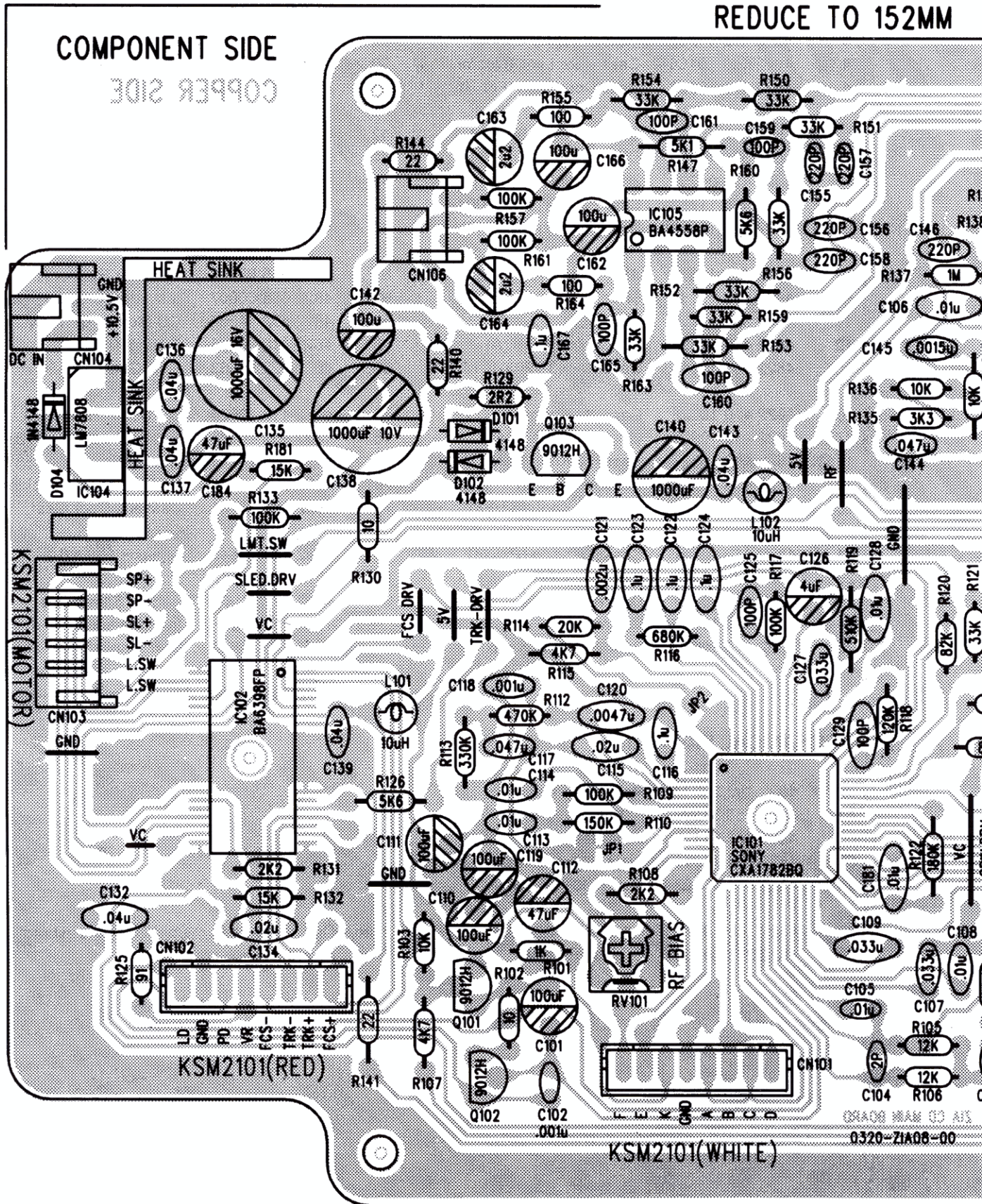
CD MAIN BOARD - CIRCUIT DIAGRAM



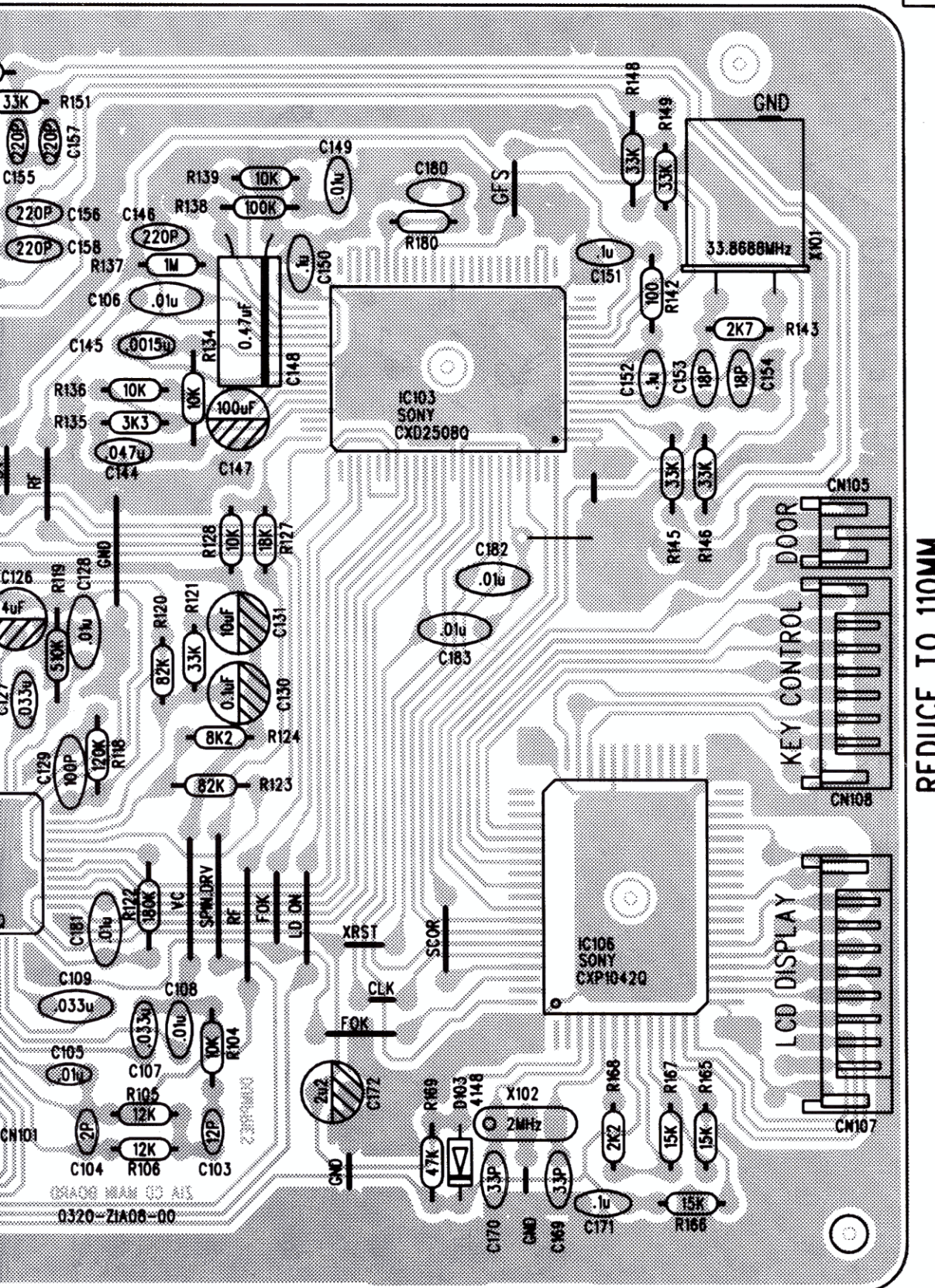


CD MAIN BOARD - LAYOUT DIAGRAM

REDUCE TO 152MM



E TO 152MM



CD ALIGNMENT

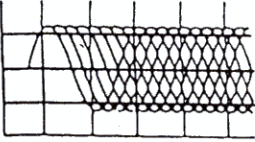
ALIGNMENT	
FOCUS BIAS OFFSET	PLA TE (Y

NOTE : OSCILLOS

REDUCE TO 110MM

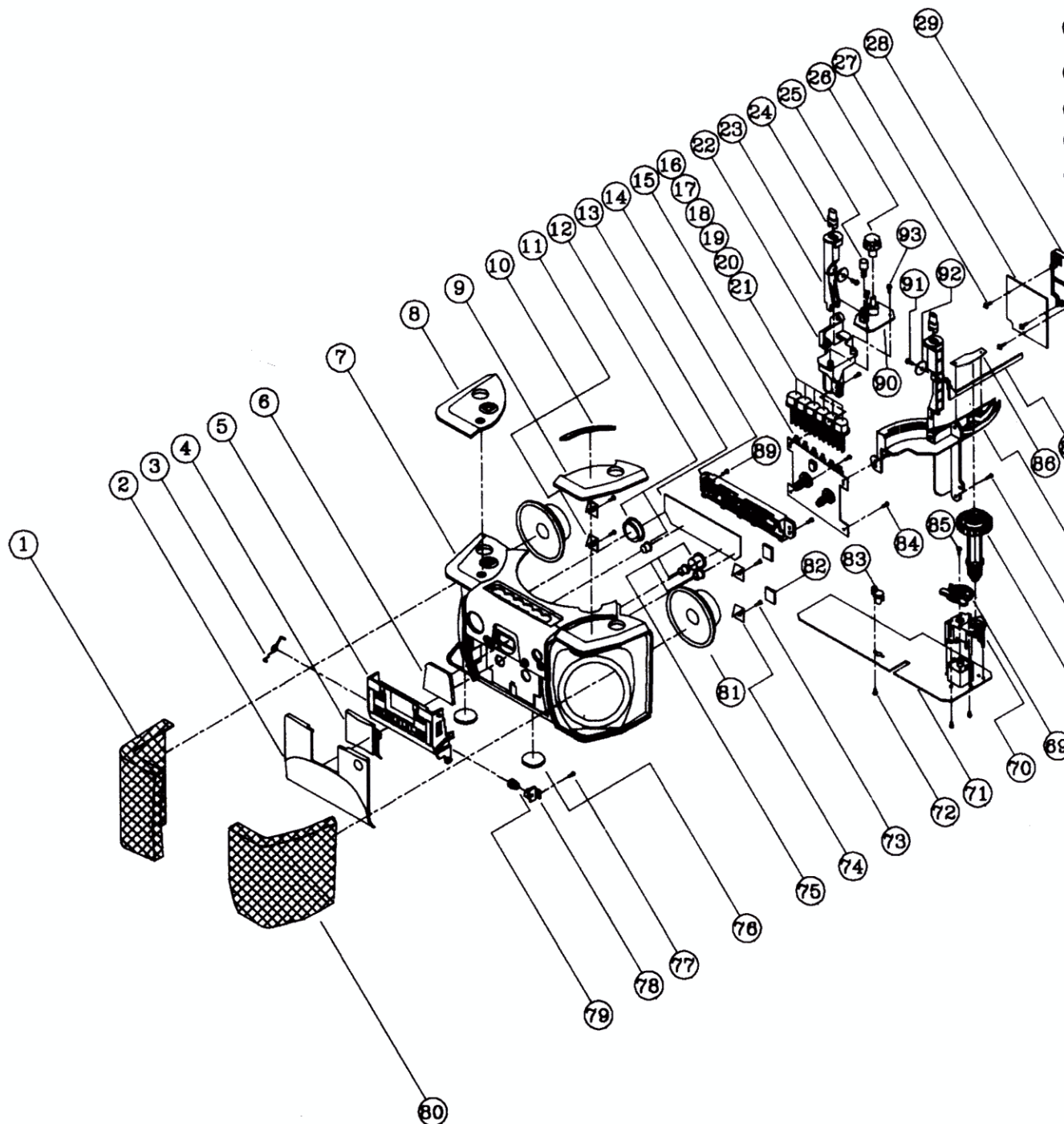
ORAG00 WAM 03 AIS
0320-ZIA06-00

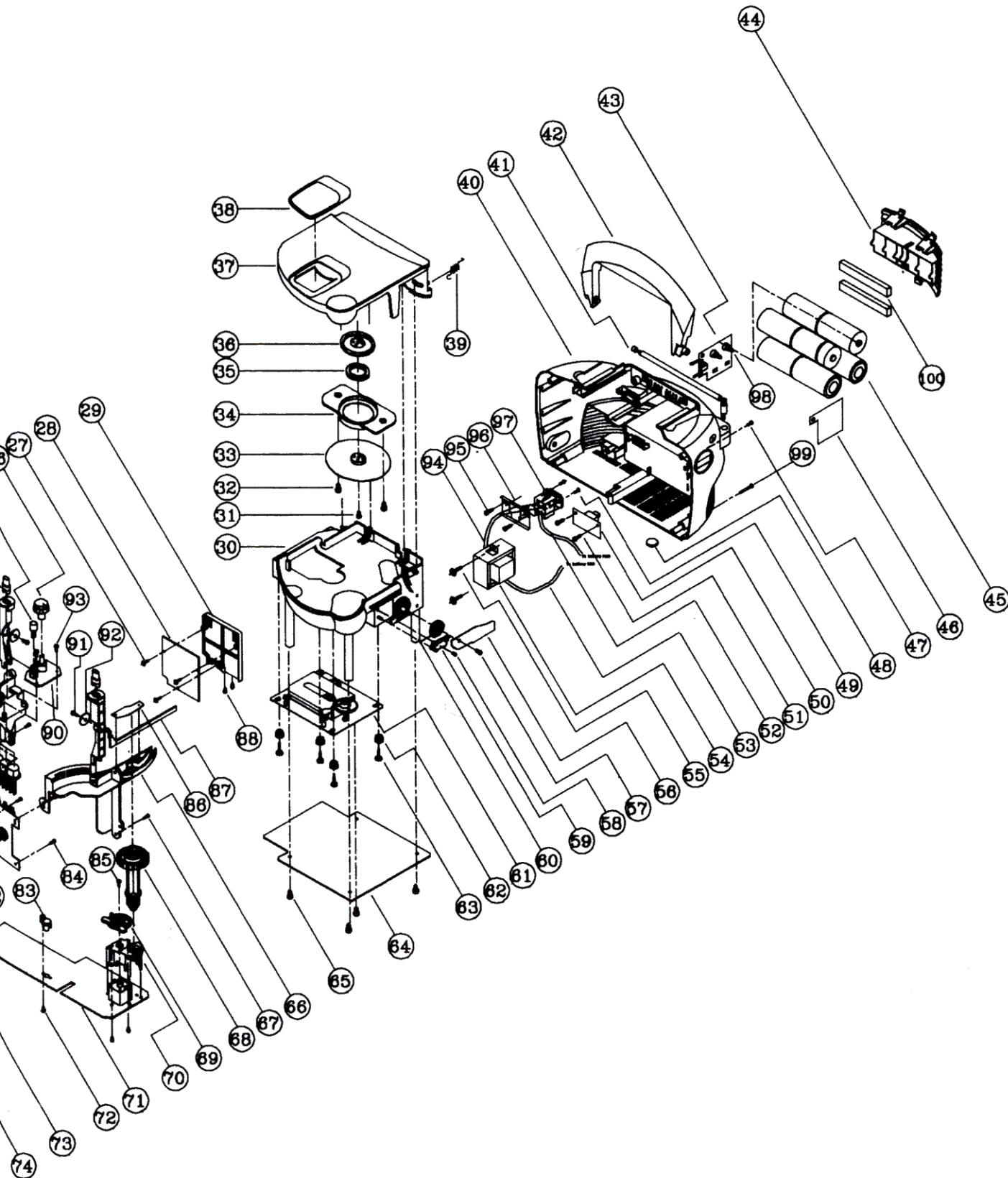
CD ALIGNMENT

ALIGNMENT	CD MODE	SHORT/OPEN CIRCUIT	OUTPUT CONNECT TO	ADJUST	PROCEDURE	SCOPE (SETTING)
FOCUS BIAS OFFSET	PLAY SONY TEST DISC (YEDS-18)		OSCILLOSCOPE CONNECTED TO TP8 AND GND TO TP10	VR101	ADJUST VR101 FOR MAXIMUM OUTPUT LEVEL	WAVEFORM $H=0.5\mu S/div.$ $V=20mV/div.$ 

NOTE : OSCILLOSCOPE FREQ. > 20MHZ AND USE TOGETHER WITH x10 PROBE

EXPLODED VIEW DIAGRAM - CABINET





MECH

- 1
- 2
- 3
- 4
- 4
- 5
- 6
- 7
- 8
- 8
- 8
- 9
- 10
- 12
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 23
- 25
- 26
- 26

MECH

- 32
- 41
- 55
- 58
- 64
- 62
- 63

MECHANICAL PARTSLIST CABINET

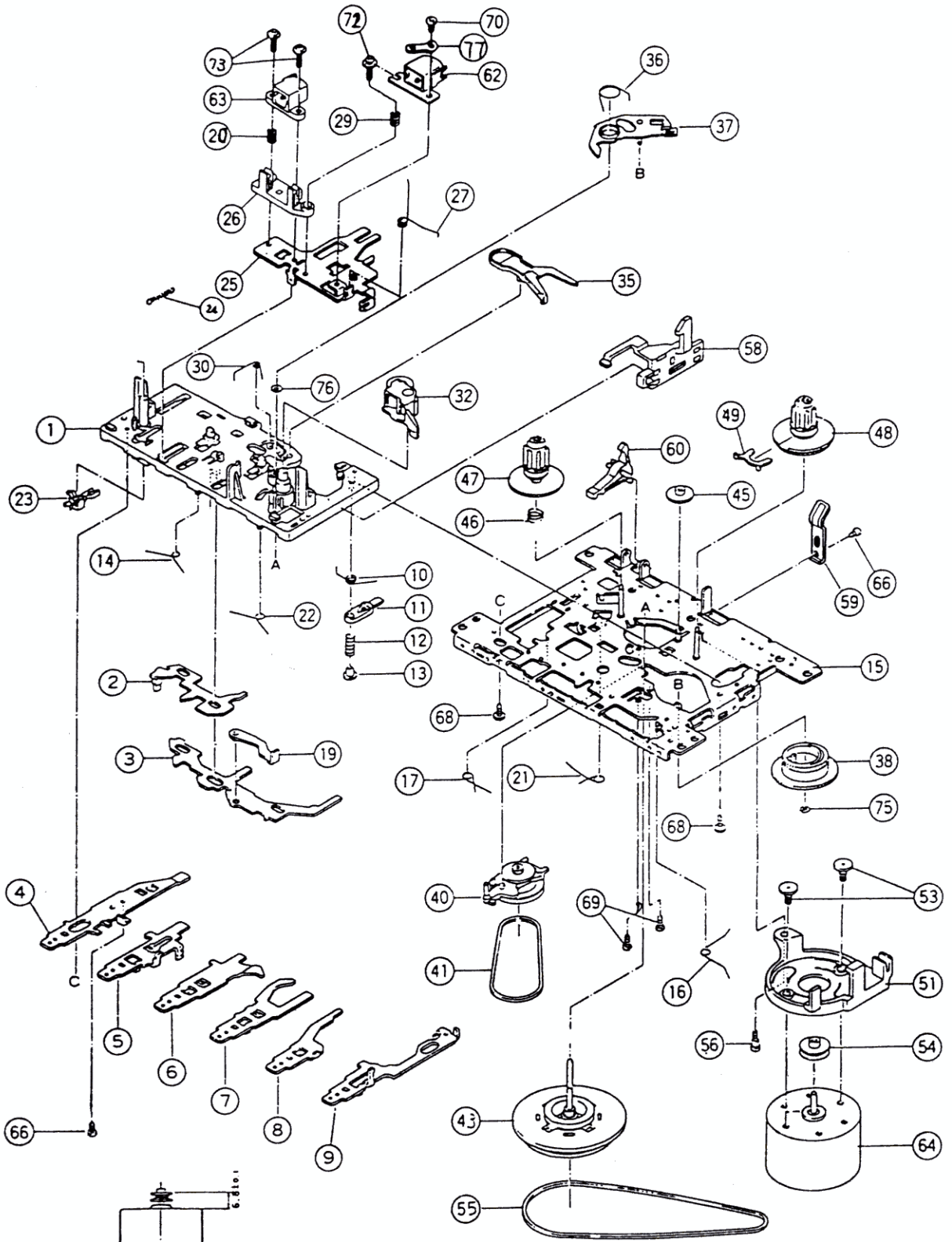
1	4822 458 10546	Speaker Grille (R)	33	4822 526 10625	Magnet Force
2	4822 443 10395	Cassette Door	37	4822 443 10447	CD Door
3	4822 492 11202	Cassette Door Spring	38	4822 450 10167	CD Door Lens
4	4822 450 10168	Cass Door Lens (Not for -/17)	39	4822 492 11201	CD Door Spring
4	4822 450 10203	Cass Door Lens (For -/17)	41	4822 303 14022	Swivel Rod Antenna
5	4822 402 10418	Cassette Door Bracket	42	4822 498 10592	Handle
6	4822 381 11758	Display Lens	44	4822 443 10396	Battery Door
7	4822 459 04256	Front Cabinet	46	4822 492 11204	Battery Spring (+ve)
8	4822 466 11183	Shdr Plate(R) (For -/00/05)	60	4822 522 10562	CD Door Gear
8	4822 466 11339	Shdr Plate(R) (For -/17)	61	4822 691 10454	CD Mech KSM-2101BDM
8	4822 466 11364	Shdr Plate (R) (For -/01/11H)	62	4822 695 00006	Insulator Rubber (Blue)
9	4822 466 11184	Shdr Plate (L)	62	4822 695 00007	Insulator Rubber (Black)
10	4822 381 11759	Dial Lens	63	4822 502 14364	CD Mounting Screw
12	4822 410 10623	CD Control Knob (A)	68	4822 410 10635	Tuning Knob
15	4822 691 10541	Cass Deck TK20X-V-74-006	69	4822 522 10563	PVC Gear
16	4822 410 10625	Cassette Knob (Rec)	75	4822 410 10624	CD Control Knob (B)
17	4822 410 10626	Cassette Knob (Play)	75	4822 462 10776	Rubber Foot Stand (B)
18	4822 410 10627	Cassette Knob (Rew)	76	4822 462 10775	Rubber Foot Stand (A)
19	4822 410 10628	Cassette Knob (F.F.)	78	4822 256 10267	Cass Door Gear Holder
20	4822 410 10629	Cassette Knob (ST/EJ)	79	4822 522 10561	Cassette Door Gear
21	4822 410 10631	Cassette Knob (Pause)	80	4822 458 10547	Speaker Grille (L)
23	4822 402 10419	Band/Function Lever	87	4822 450 10169	Dial Pointer
25	4822 410 10633	DBB Knob	98	4822 492 11203	Battery Spring (-ve)
26	4822 410 10632	Volume Knob		4822 736 14587	Instr Manual (For -/00/05)
26	4822 410 10634	Band/Function Knob		4822 736 14683	Instr Manual (For -/17)
				4822 736 14692	Instr Manual (For -01/11H)

MECHANICAL PARTSLIST - TAPE DECK

32	4822 403 20244	Roller Arm Assy
41	4822 358 31323	F. Belt
55	4822 358 31322	Main Belt
58	4822 403 71219	Eject Slider
64	4822 361 10893	Motor M9T12U24-1
62	4822 249 10475	R/P Head BS0951
63	4822 249 10531	E. Head E621ML

Note : Only those parts mentioned in the list are normal service parts.

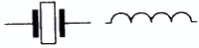
EXPLODED VIEW DIAGRAM - TAPE DECK



ELECTRICAL PARTSLIST



R140	$\beta\epsilon$	4822 117 11518	Fusible Resistor 10
RV101		4822 101 11292	Semi-fixed Res 50K
VR301		4822 117 12427	Semi-fixed Res 10K
VR401		4822 101 11637	Rotary Volume 50K



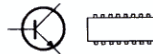
CF303		4822 157 71571	Band Pass Filter
L101		4822 157 71363	Choke Coil 10 μ H
L102		4822 157 71363	Choke Coil 10 μ H
L301		4822 157 70804	AM Ant Coil
L302	$\alpha\chi$	4822 157 10694	LW Ant Coil
L302	$\beta\delta\epsilon$	4822 157 71567	FM RF Coil
L303		4822 157 10695	FM Osc Coil
L701		4822 157 70806	Choke Coil 560 μ H
SF301	$\alpha\beta\chi\epsilon$	4822 242 81625	Filter SFU-468B
SF302		4822 242 10344	Filter SFE10.7MS3-M
SF303	δ	4822 242 70754	Filter SFU-455B
T301	$\alpha\chi$	4822 157 10688	MW Osc Coil
T301	$\beta\delta\epsilon$	4822 157 11042	AM Osc Coil Red
T302	$\alpha\chi$	4822 157 10689	FM Det Coil
T302	$\beta\delta\epsilon$	4822 157 11043	FM IFT Orange
T303	$\alpha\chi$	4822 157 10691	FM IFT
T303	$\beta\delta\epsilon$	4822 157 11044	FM IFT Green
T304	$\alpha\chi$	4822 157 10692	MW IFT
T304	$\beta\delta\epsilon$	4822 157 11045	AM IFT Yellow
T305	$\alpha\chi$	4822 157 10693	LW Osc Coil
X101		4822 242 81866	Crystal 33.8688MHz
X102		4822 242 10561	Resonator ZTA 2.00M



D101		4822 130 30621	Diode 1N4148
D102		4822 130 30621	Diode 1N4148
D103		4822 130 30621	Diode 1N4148
D104		4822 130 30621	Diode 1N4148
D301		4822 130 30621	Diode 1N4148
D302		4822 130 31078	Diode 1S2638
D501		4822 130 30621	Diode 1N4148
D502		4822 130 30621	Diode 1N4148
D601		4822 130 30621	Diode 1N4148
D602		4822 130 30621	Diode 1N4148



D603		4822 130 30621	Diode 1N4148
D604		4822 130 10493	Zener Diode 8.2V
D605		4822 130 30621	Diode 1N4148
D801		5322 130 34574	Diode 1N4004
D802		5322 130 34574	Diode 1N4004
D803		5322 130 34574	Diode 1N4004
D804		5322 130 34574	Diode 1N4004
LED301		4822 130 83467	LED (Green)
LED601		4822 130 83466	LED LN28RP (Red)



IC101		4822 209 33616	IC CXA1782BQ
IC102		4822 209 12794	IC KA9258D
IC103		4822 209 13434	IC CXD2508AQ
IC104		4822 209 12791	IC KIA7808PI
IC105		4822 209 32659	IC KA4558N
IC106		4822 209 12789	IC CXP-1042Q
IC301		4822 209 13939	IC TA8164P
IC302		4822 209 71489	IC TA7343AP
IC501		4822 209 33988	IC BA3313L
IC601		4822 209 31544	IC TA8227P
Q101		4822 130 10492	Trans SS9012H
Q102		4822 130 10492	Trans SS9012H
Q103		4822 130 10492	Trans SS9012H
Q501		4822 130 63773	Trans KTC3198GR
Q601		4822 130 63773	Trans KTC3198GR
Q602		4822 130 63773	Trans KTC3198GR
Q603		4822 130 63664	Trans 8050C
Q701		4822 130 60258	Trans 2SC2001K

- MISCELLANEOUS -

SW301	$\alpha\chi$	4822 277 21782	Slide Switch 6P3T
SW301	$\beta\delta\epsilon$	4822 277 11642	Slide Switch 4P2T
SW401		4822 276 13785	Push Switch
SW501		4822 276 13784	Push Switch PS-92
SW601		4822 277 21782	Slider Switch
SW701		4822 277 21783	Slide Switch



		4822 278 90739	Quick Action Switch
		4822 277 30971	Voltage Selector
		4822 276 13443	Tact Switch
$\alpha\beta\chi\epsilon$		4822 267 31891	AC Socket
δ		4822 265 20644	AC Socket (UL)

ELECTRICAL PARTSLIST

- MISCELLANEOUS -

$\alpha\chi$	4822 526 10658	Ferrite Bar 10X100
$\beta\delta\varepsilon$	4822 158 60645	Ferrite Bar D10X80
	4822 265 10674	Stereo Earphone Jack
	4822 240 10154	Spkr 3" 8 Ohm 2-3W
	4822 135 00058	LCD TCM-770A
\triangle	4822 146 10543	Transformer 230V
\triangle	4822 146 10656	Transformer 120V
\triangle	4822 146 10658	Transformer 120/230V
$\alpha\chi$	4822 321 11246	AC Cord Set 2.5A

- α Only for -/00
- β Only for -/01
- χ Only for -/05
- δ Only for -/17
- ε Only for -/11H

Note : Only those parts mentioned in the list are normal service parts.

Service
Service
Service

Product Service Group CE Audio

Service Information

Already published Service Information : **A96-560 (4822 725 25581)**
A96-561 (4822 725 25582)
A97-574 (4822 725 25622)
A97-583 (4822 725 25637)
A97-589 (4822 725 25649)

New versions are introduced.

For repair information we refer to Service Manual **AZ1101/00** (4822 725 25554), **AZ1102/00** (4822 725 25575) and **AZ1103, AZ1104, AZ1105** (4822 725 25623).

AZ1102/01

AZ1102/01 is identical to AZ1101/01 except the difference mechanical parts mentioned in Service Manual AZ1102/00 (4822 725 25575).

AZ1103/11

AZ1103/11 is identical to AZ1103/01.

AZ1103/14

AZ1103/14 is identical to AZ1103/01 except following different parts :

4822 146 10543	Transformer 230V	
4822 277 30971	Voltage selector	(Not used)
4822 736 14988	Instruction Manual	

AZ1104/00

AZ1104/00 is identical to AZ1101/00 except the difference mechanical parts mentioned in Service Manual AZ1104/10 (4822 725 25623).

Additional Information :

Correction on page 13 of Manual 4822 725 25554 :

Item 33 is not service article. 4822 526 10625 is the service codenumber of item 35.

New tape deck motor is used :

During production, the tape deck motor is replaced by EG-530AD-2B (4822 361 21599).

Service
Service
Service

Product Service Group CE Audio

Service Information

Already published Service Information : A96-560 (4822 725 25581)

A new version AZ1101/10 has been introduced.

For repair information we refer to Service Manual **AZ1101/00** - 4822 725 25554.

AZ1101/10 is identical to the AZ1101/01 except the following changes .:

SERVICE CODE	ARTICLE DESCRIPTION
4822 146 10833	Power transformer 240V
4822 321 11336	AC Cord Set, SAA appr.