CD Stereo Radio Recorder AZ8390/00/00S/07/07S /10/10S/17

Service
Service
Service

Service manual AZ8390/00/07/10/17 (4822 725 22318) is herewith replaced by this manual due to a lot of modification.

Service Manual

For repair information of the cassette mechanism see service manual of Recorders tape deck TN-521ZSW-164.

CONTENTS :

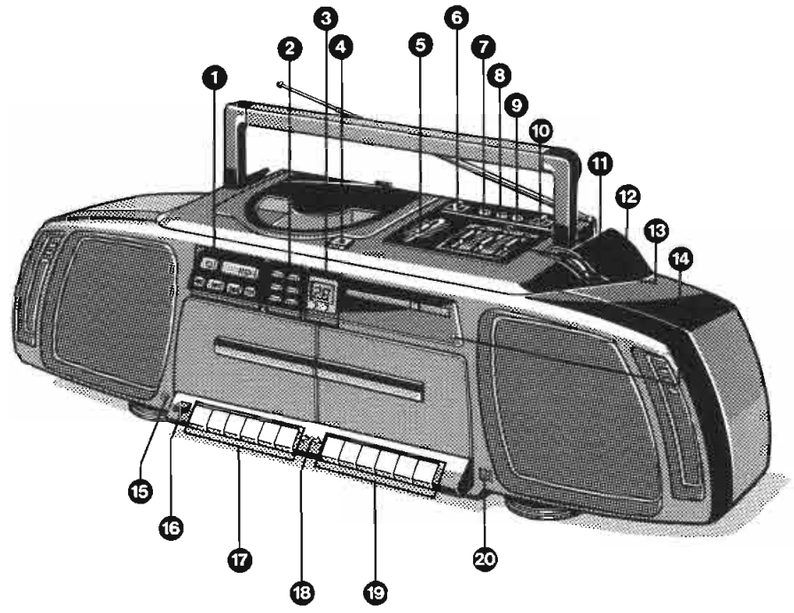
CLASS 1
LASER PRODUCT
3122 110 03420

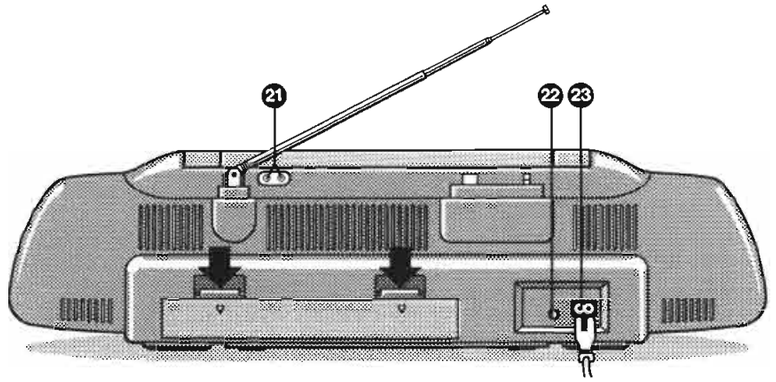
"Pour votre sécurité, ces documents doivent être utilisés par des spécialistes agréés, seuls habilités à réparer votre appareil en panne".

Published by Consumer Electronics Printed in The Netherlands

4822 725 24404

CONNECTION AND CONTROL





1	CD Player Button		13	Tuner Control	2100
2	CD Program Button		14	Stereo Indicator	7181
3	LCD Display	7801	15	Headphone Socket	1504
4	CD Eject Button		16	Power Switch	1506
5	Volume Knob	3422	17	Tape Deck Button (A)	
6	CD/Tape/Radio	1421	18	Tape Direction Indicator	7601/7602
7	Bass Boost	1422	19	Tape Deck Button (B)	
8	Speed Selector	1422	20	E-Mic	1231
9	Mono/Stereo	1422	21	CD Output Socket	1426
10	MW/FM	7324	22	Not Applicable	
11	Speed Indicator	7324	23	Mains Socket	1505
12	Graphic Equalizer	3403,3407 3410			

SPECIFICATION

GENERAL

Mains voltage	:	120V - 220V - 240V
Mains selection/setting	:	Serviceable set at 120V -/07/17 set at 220V -/00 set at 240V -/10
Battery	:	12V (R20 x 8)
Mains frequency	:	50Hz - 60Hz
Power consumption	:	38W max.
Dimension (W x D x H)	:	660 x 183 x 178mm
Weight	:	5.5kg

TUNER : FM SECTION

Tuning range	:	87.5MHz - 108MHz
IF frequency	:	10.7MHz
Sensitivity at 26dB S/N	:	< 6µV
Selectivity at 600kHz bandwidth	:	> 20dB
IF rejection	:	> 50dB
Image rejection	:	> 20dB

TUNER : AM SECTION

Tuning range	:	526.5kHz - 1606.5kHz
IF frequency	:	468kHz
Sensitivity at 26dB S/N	:	< 2.5mV/M
Selectivity at 18kHz bandwidth	:	> 16dB
IF rejection	:	> 50dB
Image rejection	:	> 28dB

AMPLIFIER

Output power at 10% distortion:	Mains	:	2 x 4.0W -1dB
	Battery	:	2 x 4W -1dB
Speaker impedance		:	2 x 5Ω with piezo
Frequency response within 3.5dB		:	100Hz - 8kHz
Equalizer control		:	-6dB to +6dB
Bass boost switch		:	6dB at 100Hz
Line-out sensitivity		:	800mV at 10kΩ
Headphone output at 32Ω		:	13mW

CASSETTE RECORDER

Number of tracks	:	2 x 2 stereo
Tape speed	:	4.76 cm/sec ± 2% 2 x 4.76 cm/sec
Wow and flutter	:	< 0.35%
Fast-wind time C60	:	130 sec
Bias system: AM	:	DC bias
Others	:	70kHz ± 15kHz
Recording playback frequency response within -8dB	:	250Hz - 2kHz (AM) 250Hz - 6.3kHz (others)
Signal to Noise ratio: AM rec	:	> 22dB
FM/CD	:	> 40dB
Dubbing	:	> 37dB

COMPACT DISC

Frequency response within +2dB/-4dB	:	20Hz - 20kHz
Signal/Hiss ratio	:	> 80dB
Distortion at 1kHz	:	< 0.5%
Channel difference at 1kHz	:	< 2dB
Channel crosstalk at 1kHz	:	50dB
De-emphasis	:	0 or 15/50 uS (Switched by subcode on the disc)

Note : /00S = /00 except production by third party
/07S = /07 except production by third party
/10S = /10 except production by third party

DISASSEMBLY INSTRUCTION (See Disassembly Drawing)

Front Cabinet Assembly
- Place set face downward and remove 10 screws D3 x 45
- Remove Front cabinet assembly

Top Panel assembly/CD door assembly
- Uncatch handle Pos. 453 as indicated
- Remove 4 screws D3 x 12
- Eject CD door assembly and remove Top panel assembly/CD door assembly

Tuner assembly
- Remove 2 screws D3 x 12
- Tuner assembly is removed as indicated
- Care must be taken not to damage level Pos. 459 during assembly or disassembly

RCD assembly
- RCD assembly is removed by sliding out as indicated
- Care must be taken not to damage the pins during disassembly
- During assembly ensure the pins are properly connected to Socket S1

TAPE DECK ADJUSTMENT

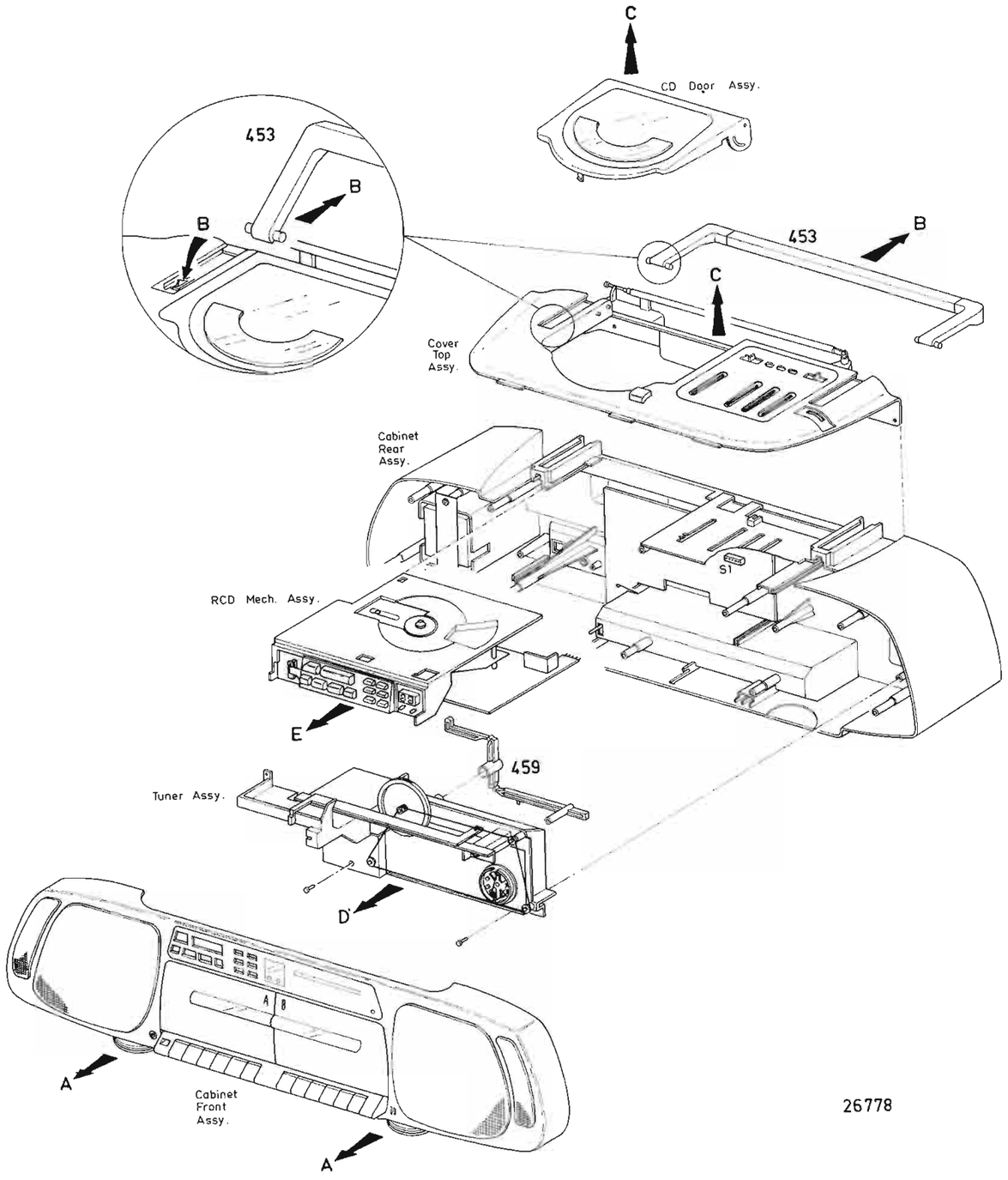
ADJUSTMENT	CASSETTE	SK. . .	Recorder DECK I	position DECK II	MEASURE ON	READ ON	ADJUST WITH	ADJUST TO
Azimuth	10KHz SBC 420*	Tape.	Play	-	1504	mV-meter	Left hand screw Play head	Max.
		Tape.	-	Play	1504	mV-meter	Left hand screw R/P head	L = R
Motor speed (Normal)	3150Hz SBC 420*	Tape.	Play	-	1504	Wow and Flutter meter	preset in motor	* * a
		Tape.	-	Play	1504	Wow and Flutter meter	-	
Motor speed (high)	3150Hz SBC 420*	Tape. HSD	Record	Play	1504	Frequency counter	-	6.0KHz ± 0.3KHz

* SBC 420 : 4822 397 30071

* * a The maximum permissible speed deviation is 1%.
Moreover, the wow and flutter value can be read.
This value should not exceed 0.30%.

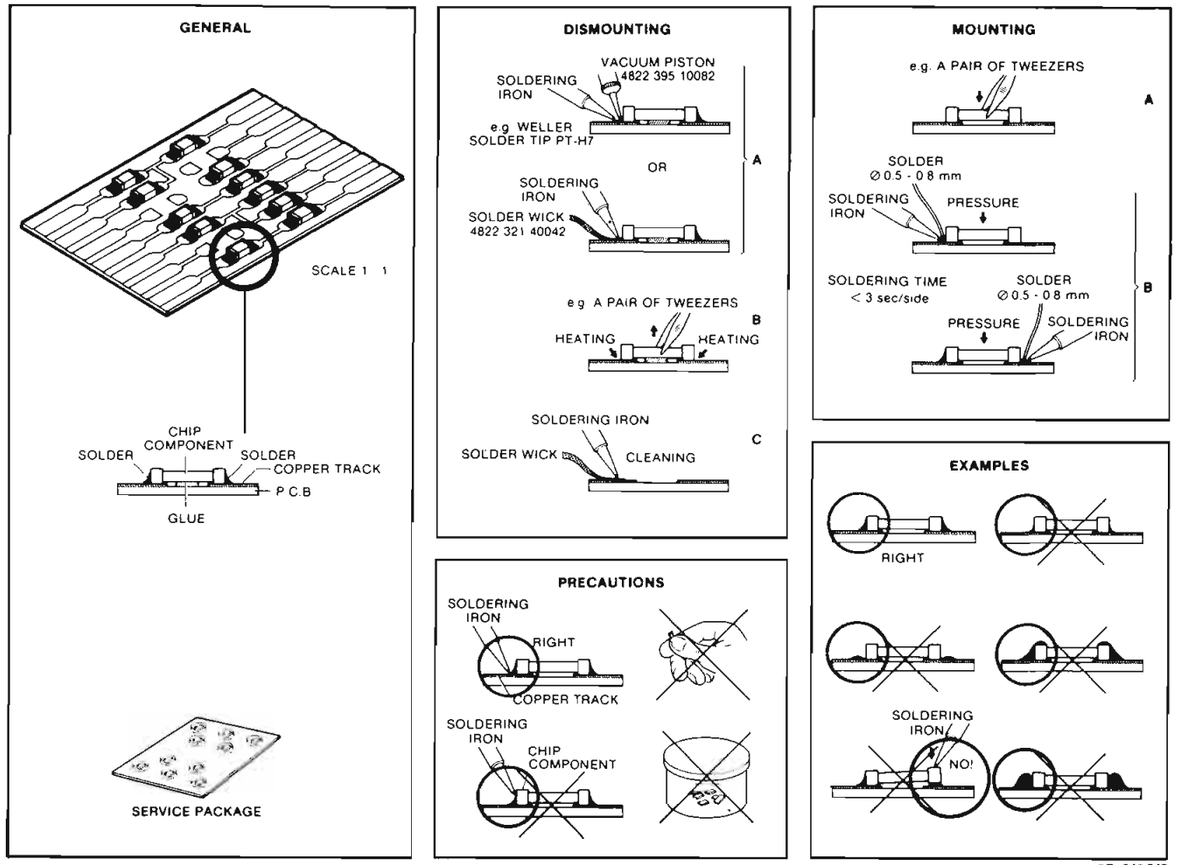
DISASSEMBLY DRAWING

Fig. 3



26778

HANDLING CHIP COMPONENTS



27 012C12

COMPONENT SYMBOL

Carbon film 0.2 W CR16	70°C	5%	
Carbon film 0.33 W CR25	70°C	5%	
Carbon film 0.5 W CR37	70°C	5%	
Standard film 0.5 W SFR16T	70°C	5%	
Standard film 0.4 W SFR25	70°C	5%	
Metal film 0.6 W MRS25	70°C	5%	
Safety resistor			
Plate ceramic Tuning < 120 pF		2%	
Plate ceramic Others		—20/+80%	
Tubular ceramic			
Polystyrene film / foil		1%	
Polyestor Film / foil		10%	
Mylar		10%	
Electrolytic			

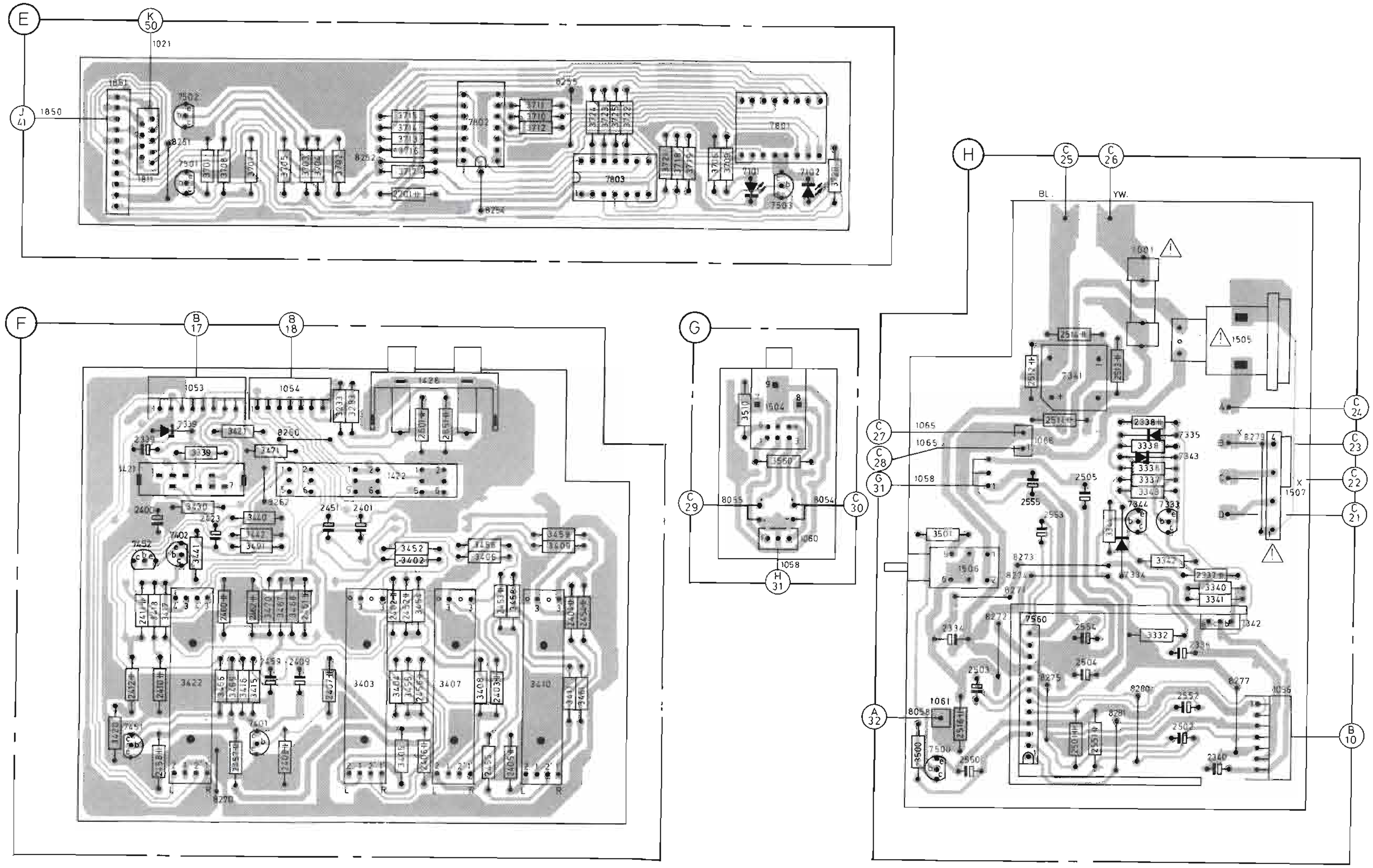
(C) Chip component

* a = 2.5 V
b = 4 V
c = 6.3 V
d = 10 V
e = 16 V
f = 25 V
g = 40 V
h = 63 V
j = 100 V
l = 125 V
m = 150 V
n = 160 V
q = 200 V
r = 250 V
s = 300 V
t = 350 V
u = 400 V
v = 500 V
w = 630 V
x = 1000 V
A = 1.6 V
B = 6 V
C = 12 V
D = 15 V
E = 20 V
F = 35 V
G = 50 V
H = 75 V
I = 80 V

26338

POWER AND EQUALIZER COMPONENT LAYOUT

1001	C8	1058	D7	1811	B3	2340	F9	2407	E4	2451	D4	2459	E4	2504	E8	2552	E9	3283	D4	3342	E9	3407	E5	3418	E3	3452	D4	3466	E3	3510	D6	3705	B4	3713	B4	3721	B6	7334	E8	7402	D3	7801	B6	8255	B5	8275	E8
1021	B3	1421	D3	1850	B2	2400	D3	2408	F4	2452	E4	2460	E3	2505	D8	2553	D8	3332	E8	3343	D8	3408	E5	3420	F3	3454	E4	3467	E4			3706	B6	3714	B4	3722	B5	7335	D4	7451	F3	7802	B5	8260	D4	8277	E9
1053	D3	1422	D4	1851	B2	2401	D4	2409	E4	2453	E5	2461	E4	2511	D8	2554	E8	3336	D8	3344	D8	3409	D5	3421	D3	3455	E4	3468	E4	3560	D6	3707	B3	3715	B4	3723	B5	7339	D3	7452	D3	7803	B5	8262	D3	8279	D9
1054	D3	1426	D4	2334	E7	2402	E4	2410	E3	2454	E5	2462	E3	2512	C8	2555	D8	3337	D8	3402	D4	3410	E5	3422	E3	3456	E5	3470	E4			3708	B3	3716	B4	3724	B5	7341	C8	7500	F7	8054	D6	8270	F3	8280	E8
1056	E9	1504	D6	2336	E9	2403	E5	2411	E3	2455	F5	2516	F7	2513	C8	2601	D4	3338	D8	3403	E4	3411	E5	3430	D3	3458	E5	3471	D3	3701	B3	3709	B6	3717	B4	3725	B5	7342	E7	7501	B3	8055	D6	8271	E8	8281	F8
1060	D6	1505	C9	2337	E9	2404	E5	2412	E3	2456	E4	2501	F8	2514	C8	2651	D4	3339	D3	3404	E4	3415	E3	3440	D3	3459	D5	3491	D3	3702	B4	3710	B5	3718	B6	7101	B6	7343	D8	7502	B3	8251	B3	8272	E8	8058	F7
1065	D7	1506	E7	2338	D8	2405	F5			2457	F3	2502	E9	2550	F7	2701	B4	3340	E9	3405	F4	3416	E3	3441	D3	3461	E5	3500	F7	3703	B4	3711	B5	3719	B6	7102	B6	7344	D8	7503	B6	8252	B4	8273	D8	1061	E7
1066	D8	1507	D9	2339	D3	2406	F4	2423	D3	2458	F3	2503	E7	2551	F8	3233	D4	3341	E9	3406	E5	3417	E3	3442	D3	3465	E3	3501	D7	3704	B4	3712	B5	3720	B7	7333	D8	7401	E3	7560	E8	8254	B5	8274	E8	3344	D8



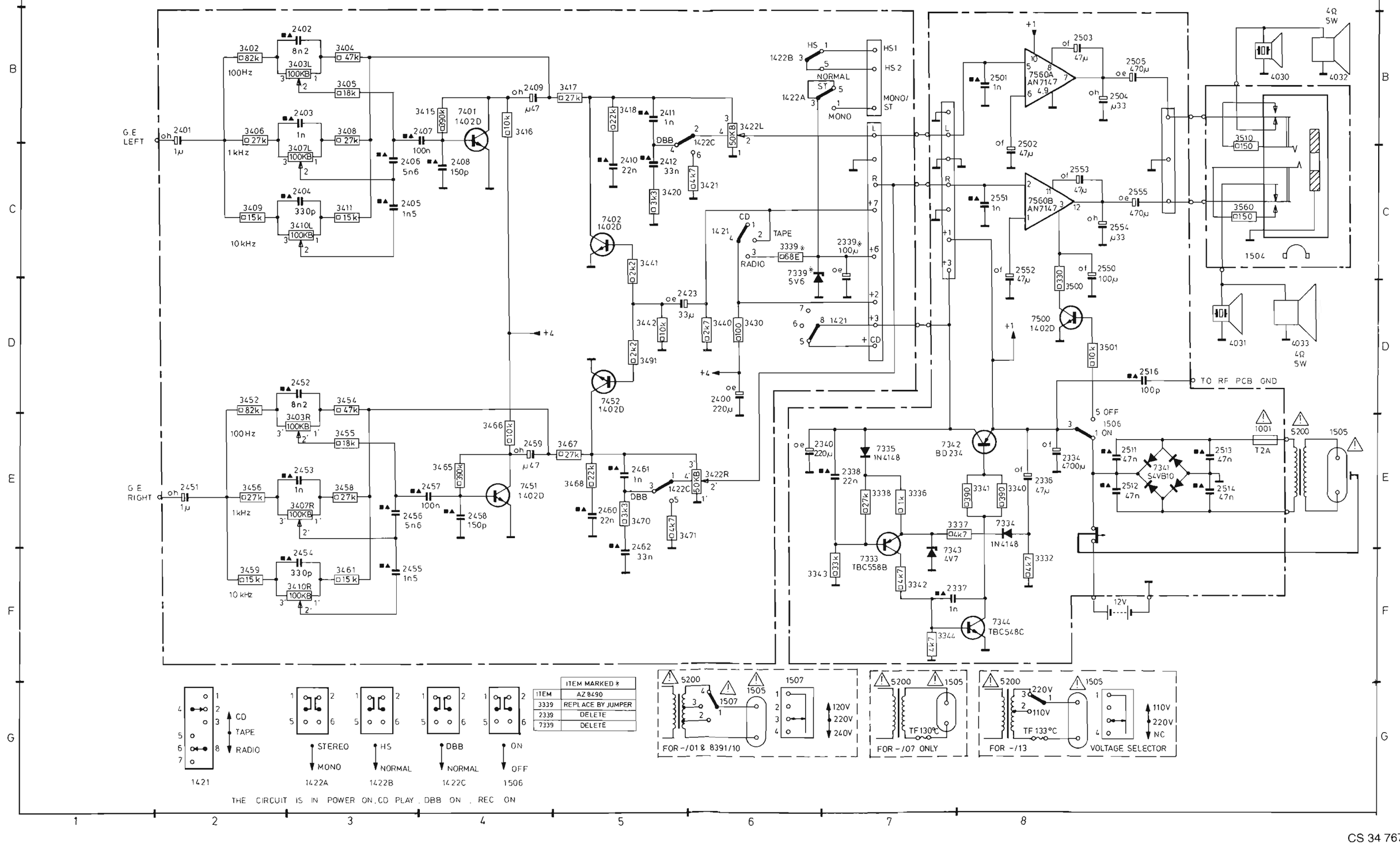
NOTE.
K 50 IS FLEX FOIL
J 41 TO RCD PCB

X

ITEM NO./ CONN PT	AC VOLTAGE			
	120V	220V	240V	120V/220V/240V
A	BLACK	BLACK	BLACK	BLACK
B	ORANGE	BROWN	RED	RED
C	BROWN	RED	BROWN	BROWN
D	RED	ORANGE	ORANGE	ORANGE
8279	ADD	ADD	ADD	DELETE
1507	DELETE	DELETE	DELETE	ADD

POWER AND EQUALIZER DIAGRAM

1001	E10	1505	E10	2338	E7	2403	B3	2408	C4	2516		2454	F3	2459	E4	2501	B8	2511	E9	2551	C8	3332	F8	3340	E8	3403A	B3	3407A	C3	3410B	F3	3416	B5	3430	D6	3454	D3	3461	F3	3470	E5	3510	B10	4031	D9	7335	E7	7344	F8	7452	D5
1421	D6	1506	E8	2339	C7	2404	C3	2409	B4	2423	D5	2455	F3	2460	E5	2502	B8	2512	E9	2552	C8	3336	F7	3341	E8	3403B	E3	3407B	E3	3411	C3	3420	C5	3440	D6	3455	E3	3465	E4	3471	E5			4032	B10	7339	D6	7401	B4	7500	D8
1422A	B6	2334	E8	2340	E6	2405	C3	2410	C5	2451	E2	2456	E3	2461	E5	2503	B8	2513	E9	2553	C8	3337	E7	3342	E7	3404	B3	3408	B3	3415	B4	3421	C6	3441	C5	3456	E2	3466	E4	3491	D5	3560	C10	4033	D9	7341	E9	7402	C5	7560A	B8
1422B	B6	2336	E8	2400	D6	2406	C3	2411	B5	2452	D3	2457	E4	2462	F5	2504	B9	2514	E9	2554	C9	3338	E7	3343	F6	3405	B3	3409	C2	3416	B4	3422A	B6	3442	D5	3458	E3	3467	E5	3500	D8			5200	E10	7342	E7	7433	E7	7560B	C8
1422C	E5	2337	E7	2401	B2	2407	B3	2412	C5	2453	E3	2458	E4			E2 2505	B9	2550	C9	2555	C9	3339	C6	3402	B2	3406	B2	3410A	C3	3417	B5	3422B	E6	3452	D2	3459	F2	3468	E5	3501	D8	4030	B10	7334	E8	7343	E7	7451	E4	3344	F7

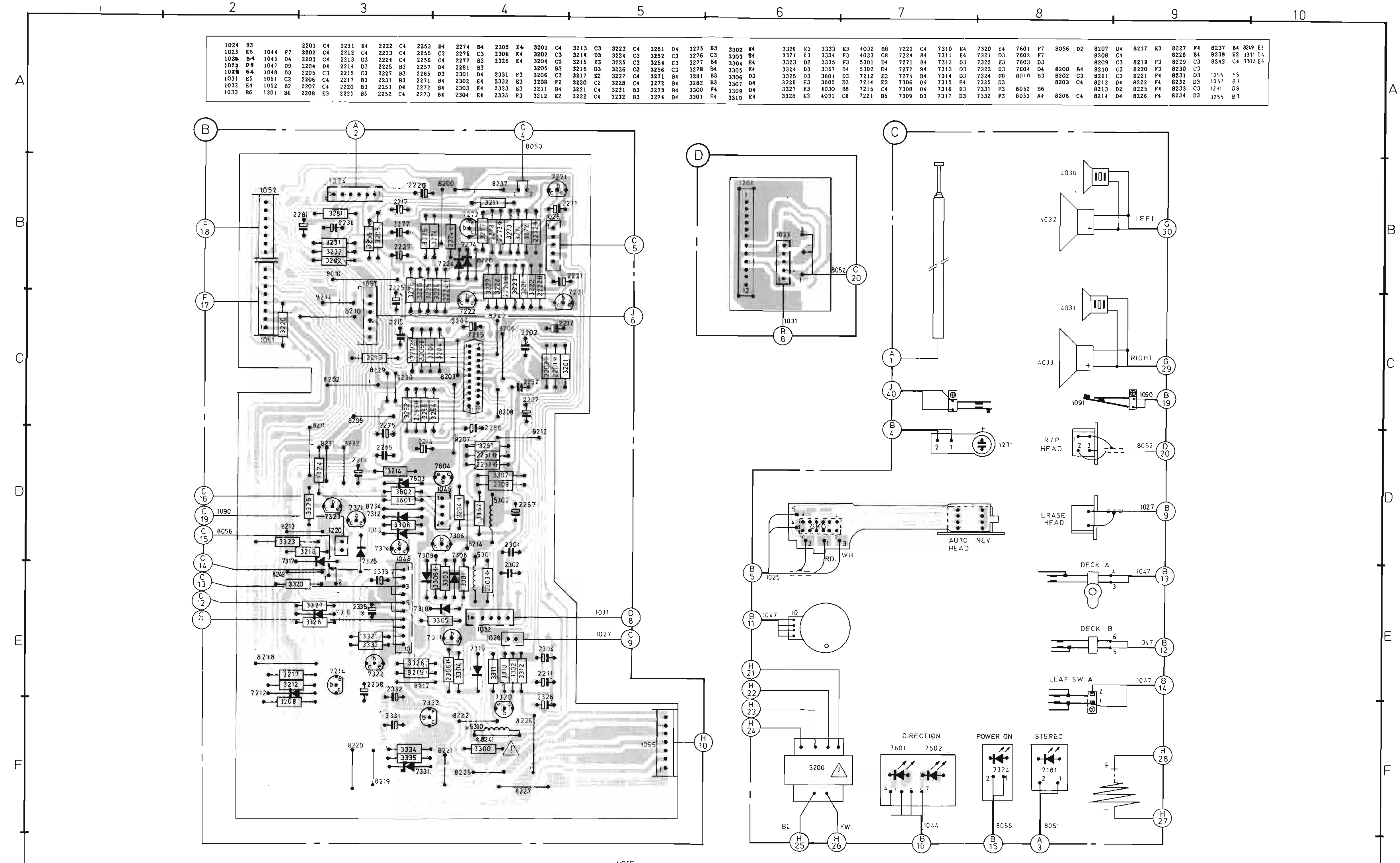


ITEM MARKED *	
ITEM	AZ 8490
3339	REPLACE BY JUMPER
2339	DELETE
7339	DELETE

CS 34 767

DECK BOARD

1024	B3			2201	C4	2211	E4	2222	C4	2253	D4	2274	B4	2305	E4	3201	C4	3213	C3	3223	C4	3251	D4	3275	B3	3302	E4	3320	E3	3333	E3	4032	B8	7222	C4	7310	E4	7320	E4	7601	F7	8056	D2	8207	D4	8217	E3	8227	F4	8237	B4	8249	E3
1025	E6	1044	F7	2202	C4	2212	C4	2223	C4	2255	C3	2275	C3	2306	E4	3202	C3	3214	D3	3224	C3	3252	C3	3276	C3	3303	E4	3321	E3	3334	F3	4033	C8	7224	B4	7311	E4	7321	D3	7602	F7			8208	C4			8228	B4	8238	E2	3311	E4
1026	B4	1045	D4	2203	C4	2213	D3	2224	C4	2256	C4	2277	B3	2326	E4	3204	C3	3215	E3	3225	C3	3254	C3	3277	B4	3304	E4	3323	D2	3335	F3	5301	D4	7271	B4	7312	D3	7322	E3	7603	D3			8209	C3	8219	F3	8229	C3	8242	C4	3312	E4
1027	D9	1047	D9	2204	D4	2214	D3	2225	B3	2257	D4	2281	B3			3205	B3	3216	D3	3226	C3	3256	C3	3278	B4	3305	E4	3324	D3	3357	D4	5302	D4	7272	B4	7313	D3	7323	D3	7604	D4	8200	B4	8210	C3	8220	F3	8230	C3				
1028	E4	1048	D3	2205	C3	2215	C3	2227	B3	2265	D3	2301	D4	2331	F3	3206	C3	3217	E2	3227	C4	3271	B4	3281	B3	3306	D3	3325	D3	3601	D3	7212	E2	7274	B4	7314	D3	7324	F8	8010	B3	8202	C3	8211	C3	8221	F4	8231	D3	1055	F5		
1031	E5	1051	C2	2206	C4	2217	B3	2231	B3	2271	B4	2302	E4	2332	E3	3208	F2	3220	C2	3228	C4	3272	B4	3282	B3	3307	D4	3326	E3	3602	D3	7214	E3	7306	D4	7315	E4	7325	D3			8203	C4	8212	D4	8222	F4	8232	D3	1057	B3		
1032	E4	1052	B2	2207	C4	2220	B3	2251	D4	2272	B4	2303	E4	2333	E3	3211	B4	3221	C4	3231	B3	3273	B4	3300	F4	3309	D4	3327	E3	4030	B8	7215	C4	7308	D4	7316	E3	7331	F3	8052	B6			8213	D2	8225	F4	8233	C3	1231	D8		
1033	B6	1201	B6	2208	E3	2221	B5	2252	C4	2273	B4	2304	E4	2335	E3	3212	E2	3222	C4	3232	B3	3274	B4	3301	E4	3310	E4	3328	E3	4031	C8	7221	B5	7309	D3	7317	D3	7332	F3	8053	A4	8206	C4	8214	D4	8226	F4	8234	D3	3255	B3		

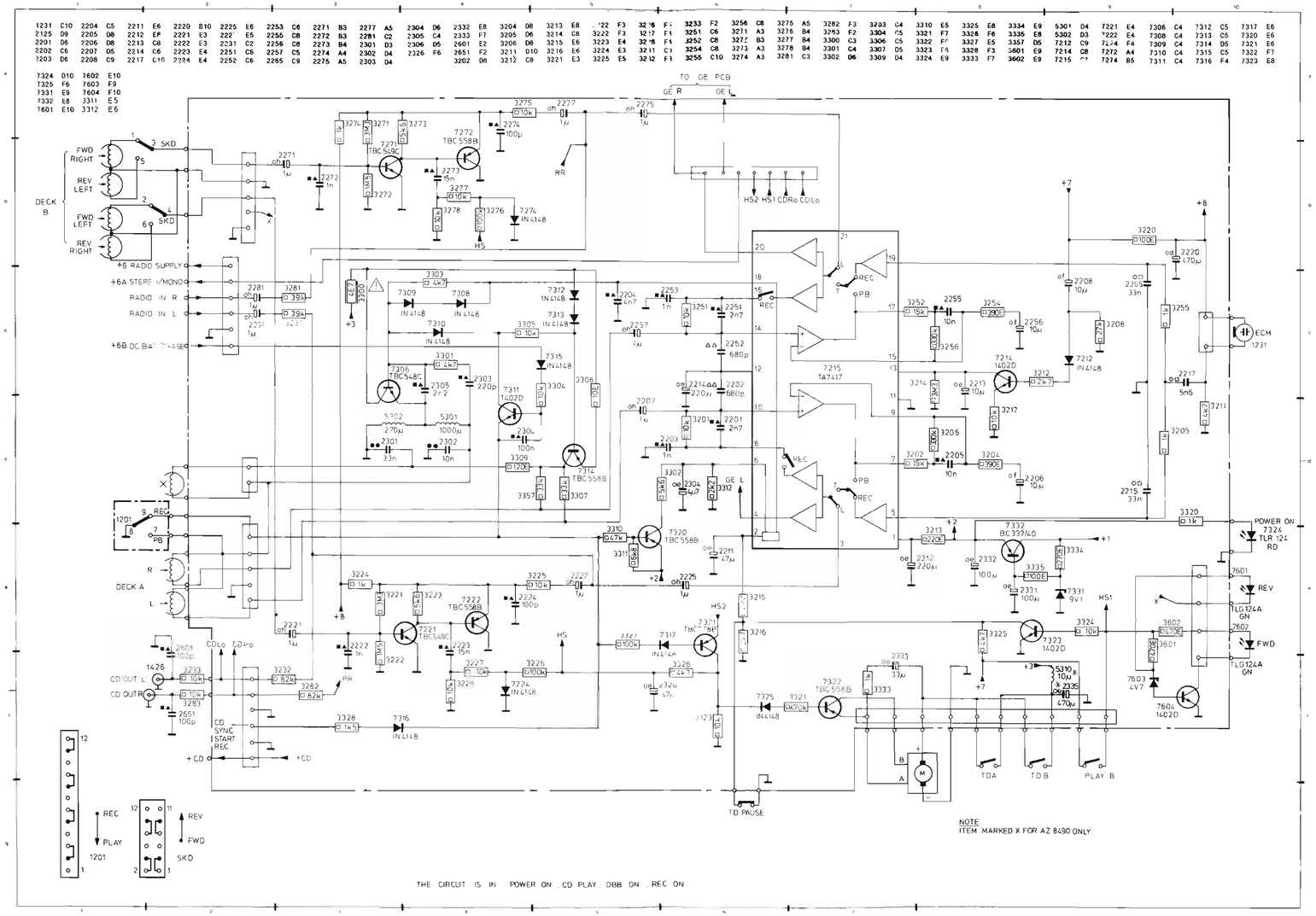


	ITEM MARKED *	
ITEM	AZ 8394	AZ 8490
2335	DEL.	ADD
5310	DEL.	ADD
8241	ADD	DEL

NOTE
J6 & J40 TO RCD PCB

CS 34 845

DECK DIAGRAM



7103

1	1.0V	0V	15	5.3V	5.3V
2	1.0V	0V	16	2.1V	2.3V
3	0V	0V	17	0.9V	0.2V
4	1.2V	0V	18	0.2V	0.2V
5	2.0V	0V	19	0V	0V
6	3.6V	0V	20	2.2V	0.2V
7	5.4V	6.0V	21	2.2V	0.2V
8	5.4V	6.0V	22	3.7V	5.4V
9	2.2V	2.2V	23	0V	2.2V
10	2.2V	2.2V	24	0V	2.2V
11	5.1V	0.2V	25	2.2V	0.2V
12	0V	0V	26	5.4V	6.0V
13	1.9V	0V	27	5.4V	6.0V
14	2.2V	2.3V	28	5.4V	6.0V

7106

1	6.3V	6.4V
2	1.4V	1.4V
3	1.4V	1.4V
4	2.5V	2.5V
5	2.5V	2.5V
6	0.7V	5.1V
7	0V	0V
8	0.5V	0.5V
9	0.1V	1.8V
10	1.3V	1.3V
11	1.3V	1.3V
12	1.1V	2.1V
13	1.3V	1.3V
14	1.3V	1.3V
15	1.3V	1.3V
16	1.8V	0.2V

7110

1	1.7V	1.7V	11	0.1V	0.1V
2	0V	0V	12	0.1V	0.1V
3	0V	0V	13	0.1V	1.7V
4	5.1V	5.1V	14	2.8V	0.1V
5	5.1V	5.1V	15	5.1V	5.2V
6	5.9V	0.2V	16	5.1V	5.2V
7	0V	0V	17	0.3V	0.2V
8	0.1V	1.8V	18	1.0V	1.0V
9	2.2V	0.2V	19	0V	0V
10	0.7V	0.7V	20	0.9V	0.8V

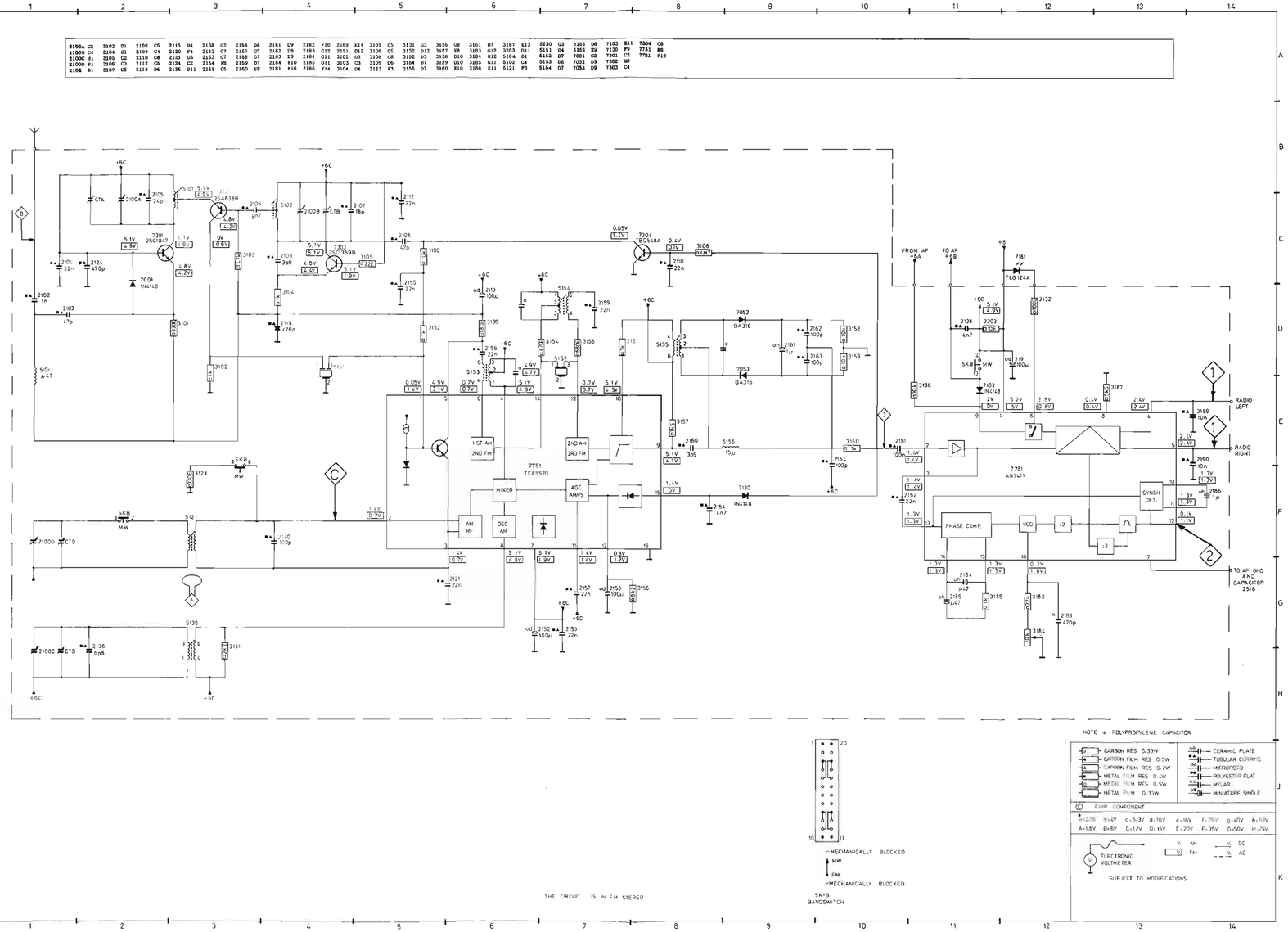
SK...	FREQUENCY	I/P	VARICON	ADJUST	O/P	SCOPE/METER
AM - IF						
MW	468kHz △f=10kHz via 10nF	C	min.	5153 5154	3	Symmetrical max lo
AM - RF						
MW * 526.5-1606.5kHz	512kHz 1740kHz 560kHz 1600kHz	A	max. min. Tune Tune	5130 CTc 5121 CTd	1	max.
FM - IF						
FM	10.7MHz △f=300kHz (50Hz) via 10nF	B	min.	5155	3	Symm + Linear
FM - RF						
FM # 87.5-108MHz	87.35MHz @ Mod 1kHz △f=22.5kHz	B	max.	5102 5101	1	max.
	108.2MHz @ Mod 1kHz △f=22.5kHz		min.	CTb CTa		

* Mod 1kHz 30% # via 10nF + 15Ω @ ± 0.15MHz

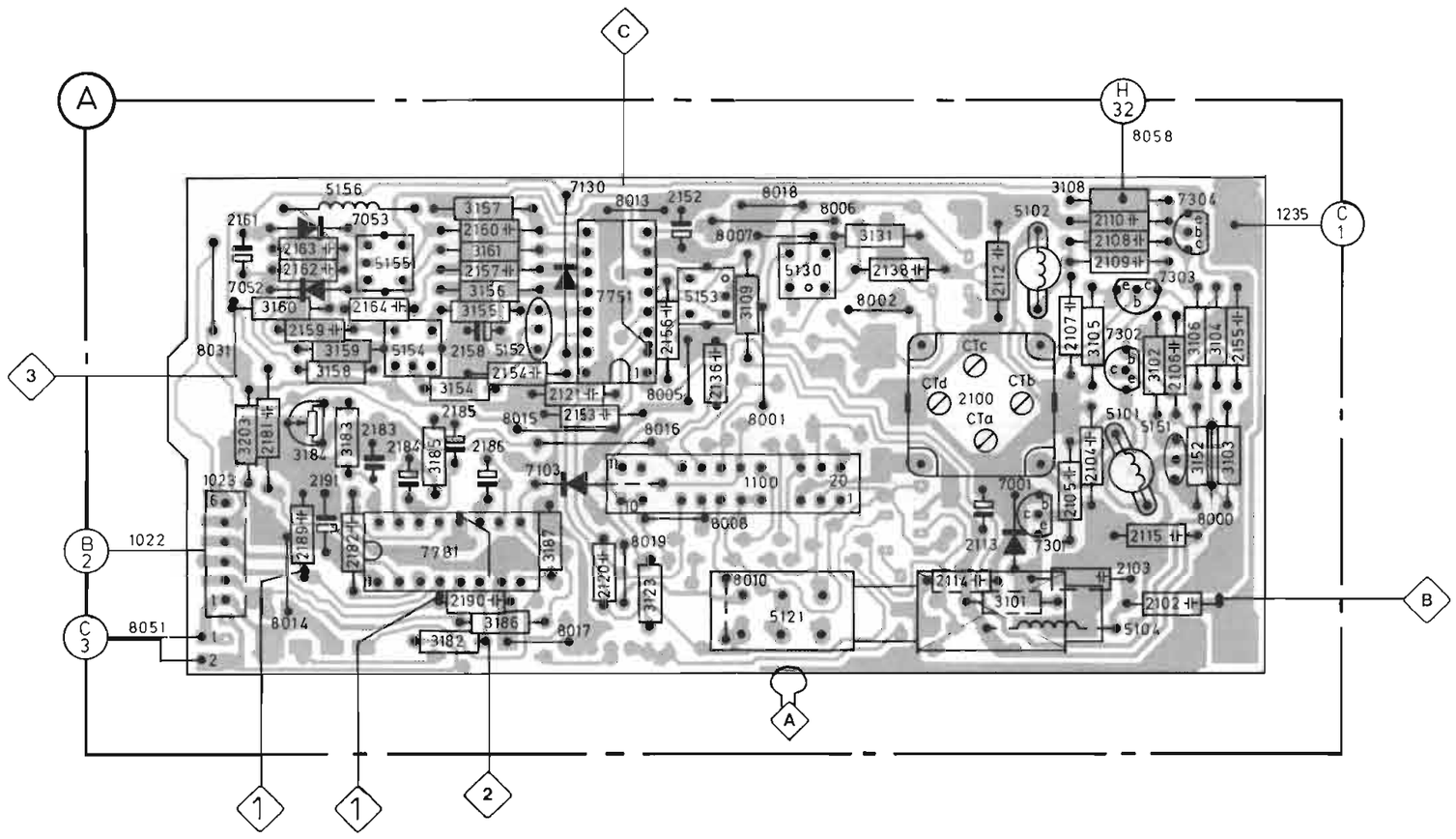
STEREO DECODER

SK...	ADJUST	O/P	COUNTER
FM STEREO	3184	2	19kHz

Repeat



1022	C2	2103	C5	2108	B5	2114	C5	2152	B4	2157	B3	2162	B3	2183	C3	2190	D3	3104	C5	3123	D4	3155	C3	3160	C3	3184	C3
1023	C2	2104	C5	2109	B5	2120	C3	2153	C3	2158	C3	2163	B3	2184	C3	2191	C3	3105	C5	3130	B5	3156	C3	3161	B3	3185	C3
1100	C4	2105	C5	2110	B5	2121	C3	2154	C3	2159	C3	2164	C3	2185	C3	3101	D5	3106	C5	3131	B4	3157	B3			3186	D3
2100	C5	2106	C5	2112	C5	2136	C4	2155	C5	2160	B3	2181	C3	2186	C3	3102	C5	3108	B5	3152	C5	3158	C3	3182	D3	3187	C3
2102	D5	2107	C5	2113	C5	2138	C4	2156	C4	2161	B2	2182	D3	2189	C3	3103	C5	3109	C4	3154	C3	3159	C3	3183	C3	3203	C2
5101	C5	5151	C5	7001	C5	7302	C5	8000	C5	8007	B4	8016	C3	1235	B6												
5102	B5	5152	C3	7052	C2	7303	C5	8002	C4	8008	C4	8017	D3	8051	D2												
5104	D5	5153	C4	7053	B3	7304	B5	8001	C4	8010	C4	8018	B4	7103	C3												
5121	D4	5155	B3	7130	B3	7751	C4	8005	C4	8013	B4	8019	C4	8058	B5												
5130	B4	5156	B3	7301	C5	7781	C3	8006	B4	8015	C3	8031	C2														



PCS 62 851

CD ALIGNMENT (FOR RCD 1.2 ONLY)

CD part					
TRACKING OFFSET					
Stop			3840		◈6 ↔ ◈10 0 V ± 10 mV
TRACKING BALANCE					
Service* pos 1 display "-"			3803	◈8 ↔ ◈2 Adjust to 0 V DC offset	
TRACKING GAIN					
Play with test disc 5	1200 Hz 200 mV	see Fig. 1	3816		See Fig. 1 CHX = 0,2 V/DIV CHY = 50 mV/DIV Adjust to Ellipse
FOCUS GAIN					
Play with any normal disc	1100 Hz 700 mV	see Fig. 2	3813		See Fig. 2 CHX = 0,5 V/DIV CHY = 5 mV/DIV Adjust to Ellipse
FOCUS OFFSET					
Play with any normal disc			3821		◈9 Max HF
			Check only	◈7 ↔ ◈2 U DC measured =Ux	
			3821	◈7 ↔ ◈2 Adjust to $\frac{Ux}{2}$	

Service Pos "0" : Store + Display + Power on together; Display "="

Service Pos "1" : Service Pos "0" , press play; Display "= ="

OSCILLOSCOPE

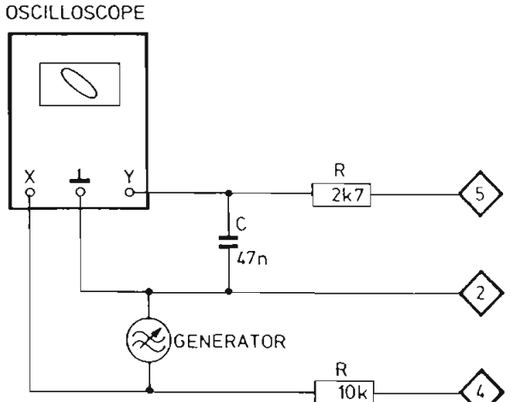


Fig. 1

OSCILLOSCOPE

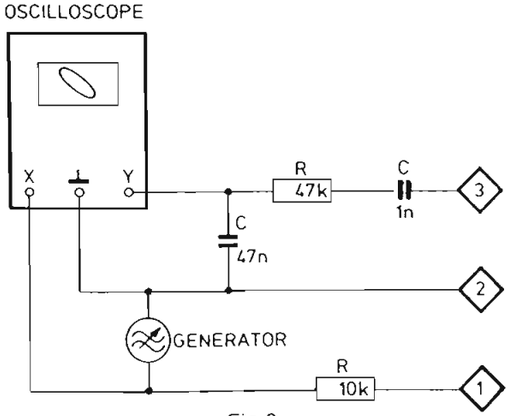
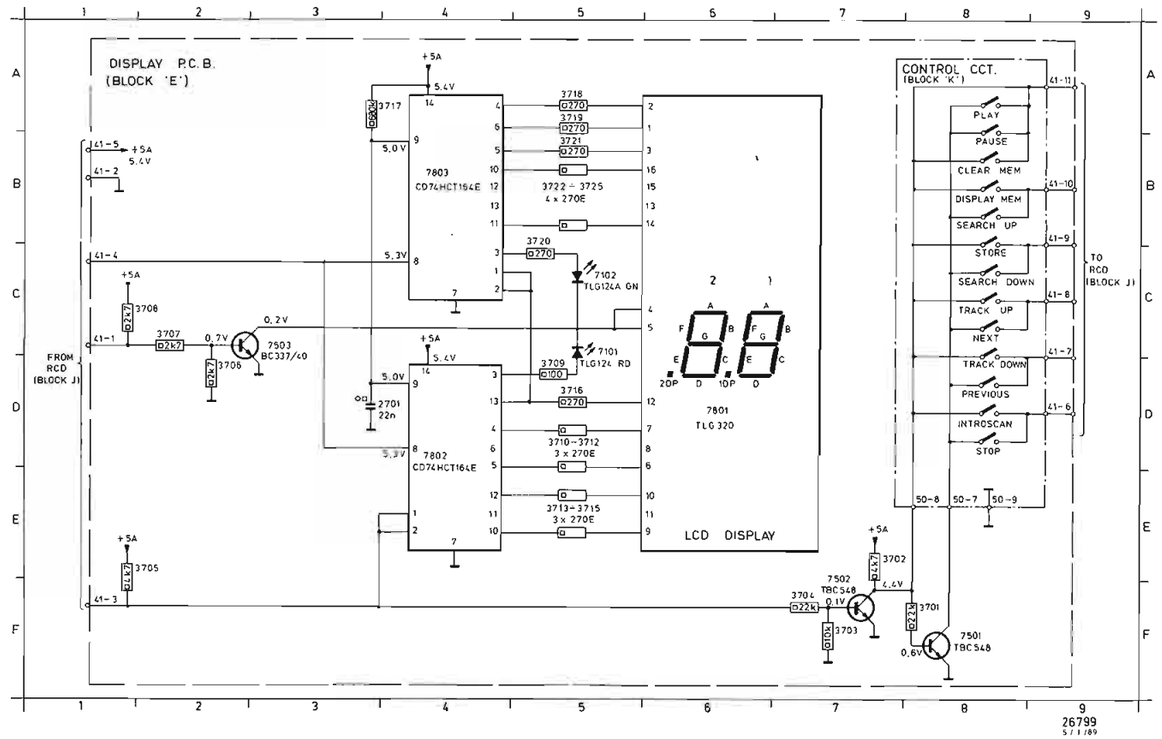


Fig. 2

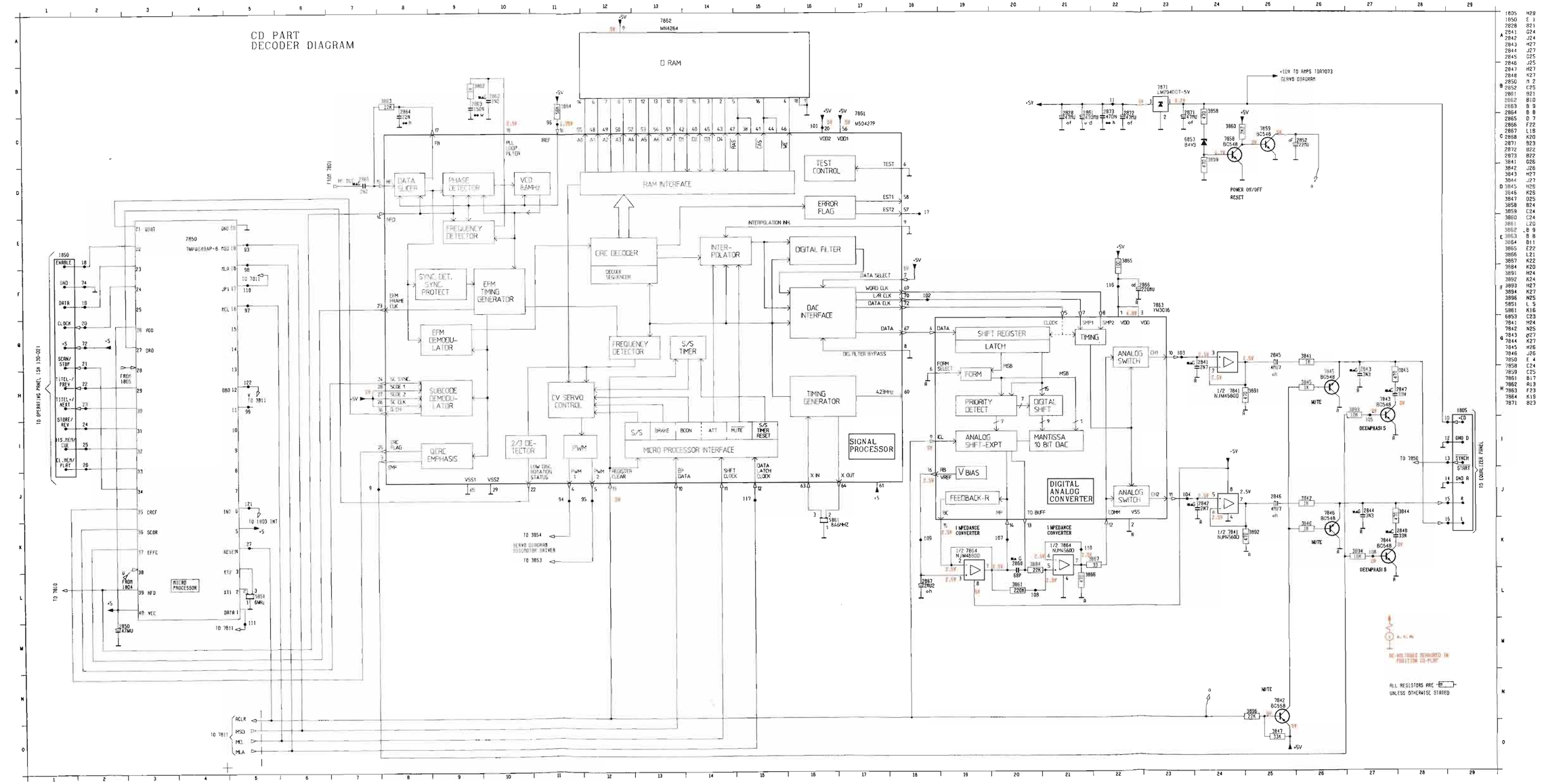
43 703 A12

PCS 62 831

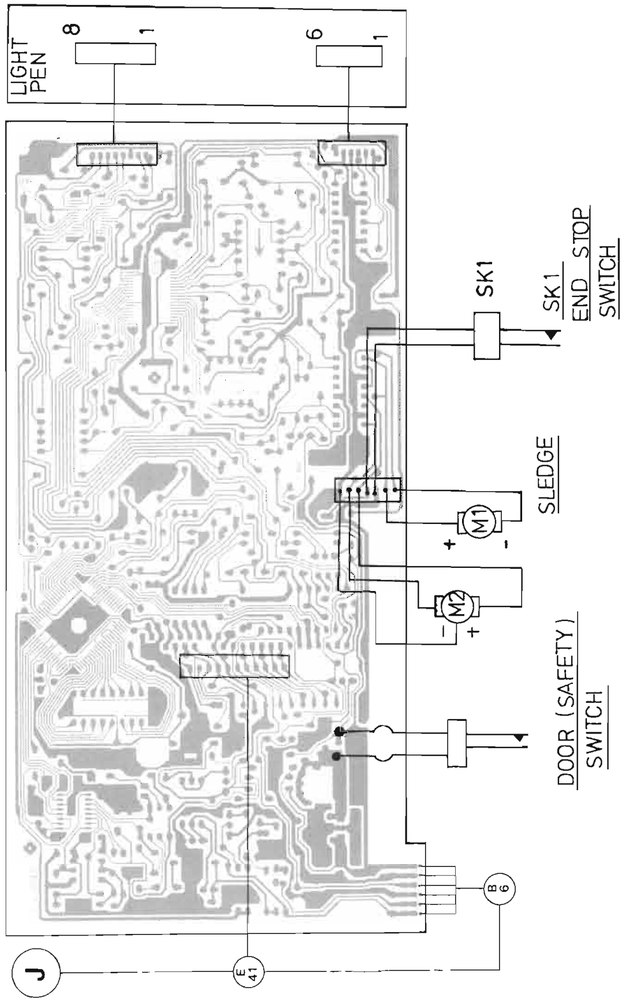
DISPLAY CIRCUIT DIAGRAM



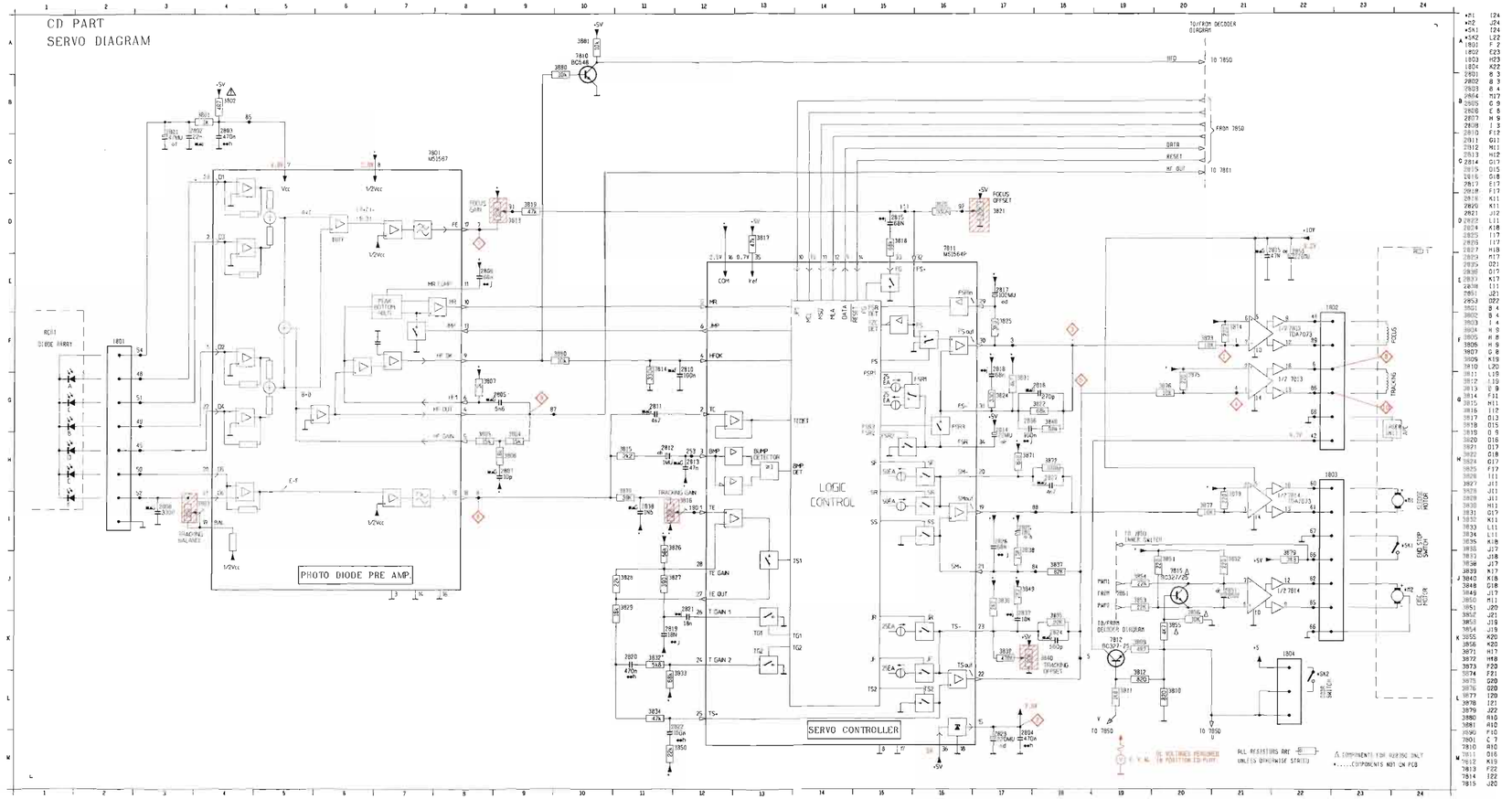
CD DECODER CIRCUIT DIAGRAM



RCD WIRING DIAGRAM

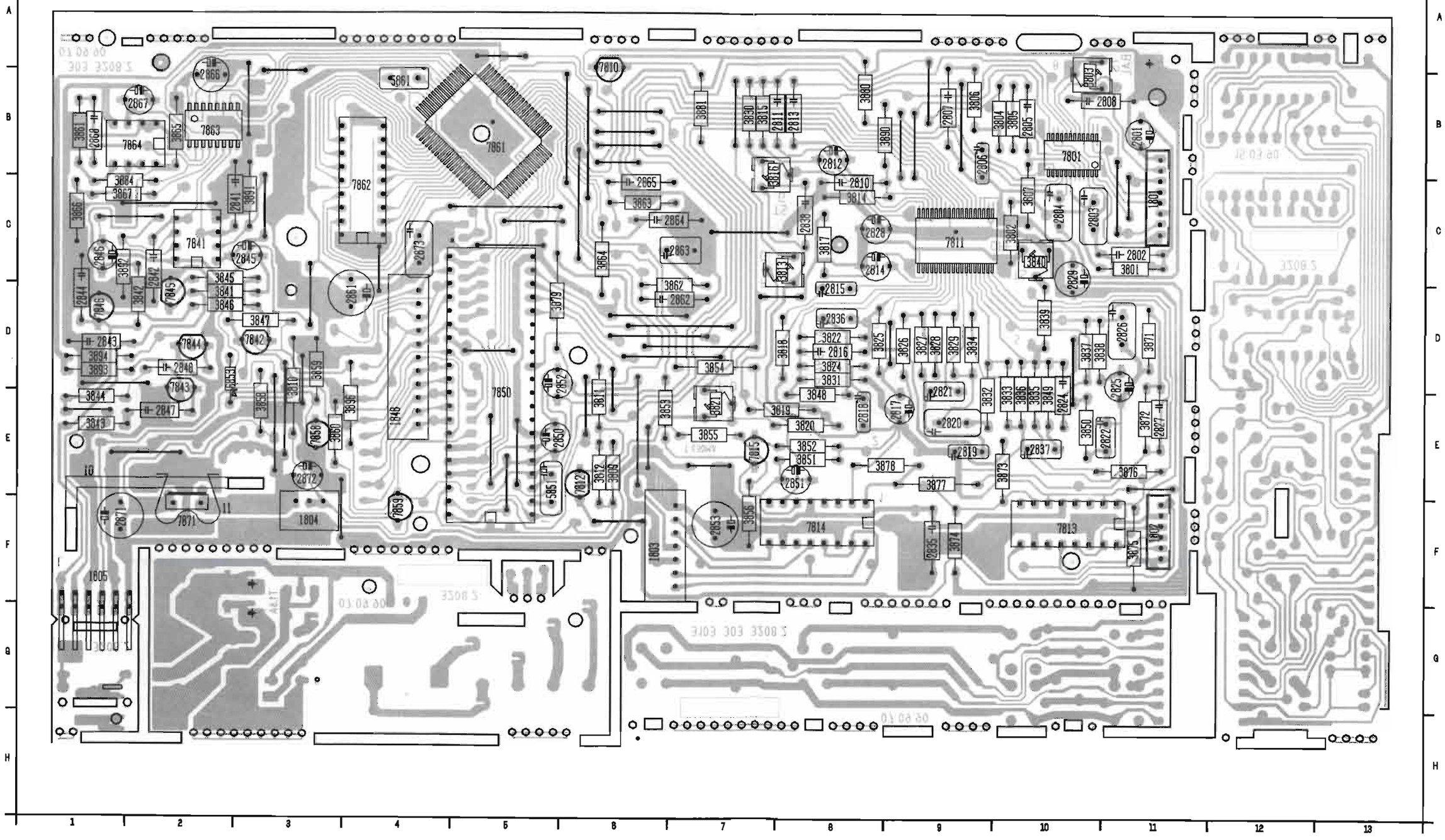


CD SERVO CIRCUIT DIAGRAM



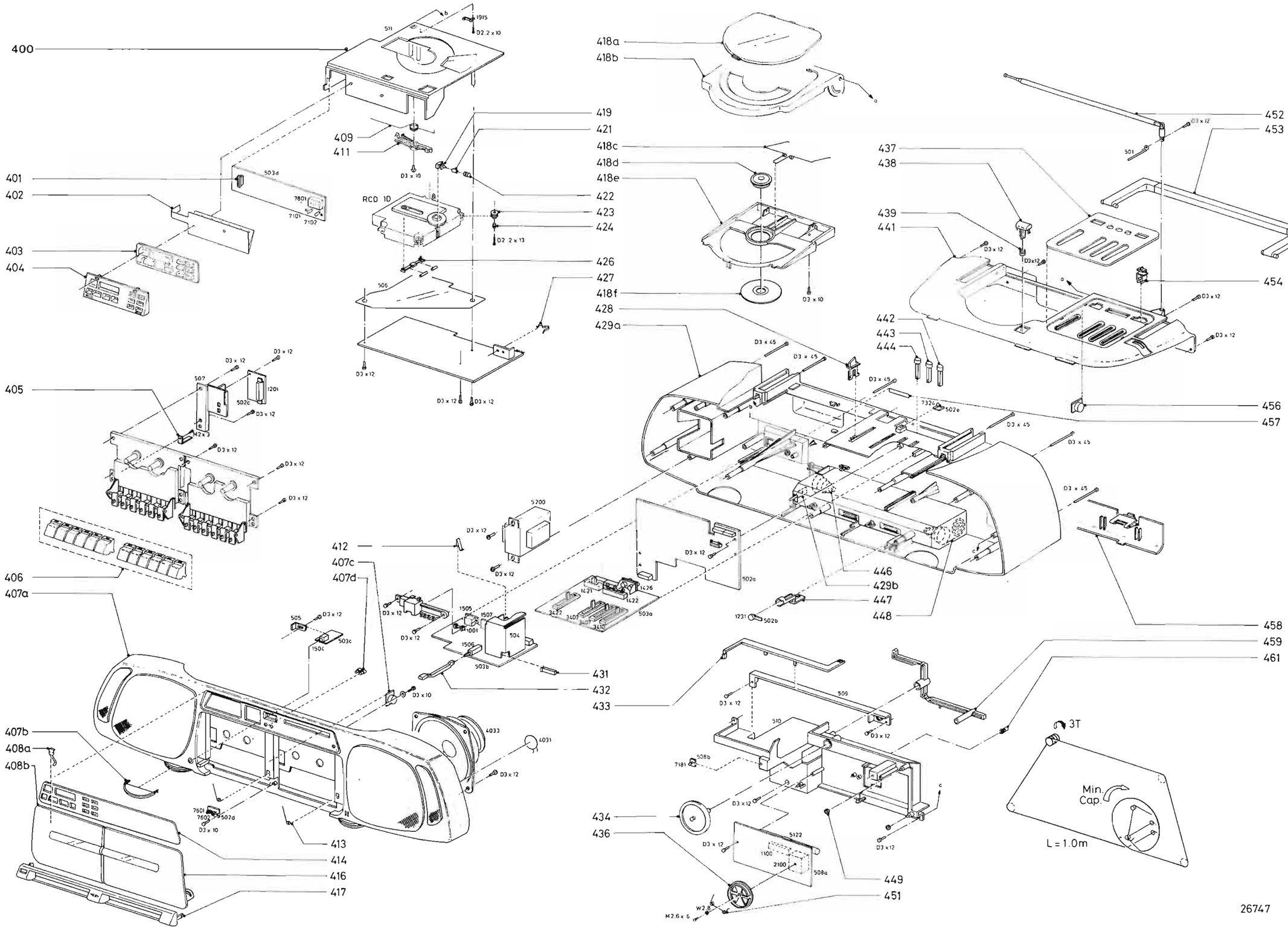
CD COMPONENT LAYOUT

10	E 1	2802	C11	2812	B 8	2821	E 9	2836	D 8	2847	E 2	2864	C 7	3802	C10	3812	E 6	3821	E 7	3831	D 8	3840	C10	3849	E10	3859	D 3	3871	D11	3880	B 8	5851	E 5	7815	E 7	7859	F 4
11	F 2	2803	C10	2813	B 8	2822	E11	2837	E10	2848	D 2	2865	C 6	3803	B10	3813	C 8	3822	D 8	3832	E 9	3841	D 2	3850	E10	3860	E 3	3872	E11	3881	B 7	5861	B 4	7841	C 2	7861	B 5
1801	C11	2804	C10	2814	C 8	2824	E10	2838	C 8	2850	E 6	2866	B 2	3804	B10	3814	C 8	3824	D 8	3833	E10	3842	D 2	3851	E 8	3861	B 1	3873	E10	3884	C 1	6853	D 3	7842	D 3	7862	C 4
1802	F11	2805	B10	2815	D 8	2825	D11	2841	C 3	2851	E 8	2867	B 2	3805	B10	3815	B 7	3825	D 8	3834	D 9	3843	E 1	3852	E 8	3862	D 7	3874	F 9	3890	B 9	7801	B10	7843	E 2	7863	B 2
1803	F 6	2806	B 9	2816	D 8	2826	D11	2842	C 2	2852	D 6	2868	B 1	3806	B 9	3816	B 8	3826	D 9	3835	E10	3844	E 1	3853	E 7	3863	C 6	3875	F11	3891	C 3	7810	B 6	7844	D 2	7864	B 2
1804	F 3	2807	B 9	2817	E 9	2827	E11	2843	D 1	2853	F 7	2871	F 1	3807	C10	3817	C 8	3827	D 9	3836	E10	3845	D 2	3854	D 7	3864	C 6	3876	E11	3892	C 2	7811	C 9	7845	D 2	7871	F 2
1805	F 1	2808	B11	2818	E 8	2828	C 8	2844	D 1	2861	D 4	2872	E 3	3809	E 6	3818	D 8	3828	D 9	3837	D10	3846	D 2	3855	E 7	3865	B 2	3877	E 9	3893	D 1	7812	E 6	7846	D 1		
1848	E 4	2810	C 8	2819	E 9	2829	C10	2845	C 3	2862	D 7	2873	C 4	3810	D 3	3819	E 8	3829	D 9	3838	D11	3847	D 3	3856	F 7	3866	C 1	3878	E 9	3894	D 1	7813	F10	7850	E 5		
2801	B11	2811	B 8	2820	E 9	2835	F 9	2846	C 1	2863	C 7	3801	C11	3811	E 6	3820	E 8	3830	B 7	3839	D10	3848	E 8	3858	E 3	3867	C 1	3879	D 6	3896	E 4	7814	F 8	7858	E 3		



ASSEMBLY DRAWING FOR AZ8390 FROM COMPONENT SIDE
SERVICEPLAN FUER AZ83 VON BAUTEILSEITE
DERIVED FROM PART PC.AZ8594.P8.D2
ERZEUGT VOM PART PC.AZ8594.P8.D2

EXPLODED VIEW



400	4822 444 50627
401	4822 267 50874
402	4822 321 23128
403	4822 410 26899
404	4822 404 21026
405	4822 466 92315
406	4822 410 26901
407	4822 426 51339
407B	4822 462 41337
407C	4822 522 20384
407D	4822 462 41338
408	4822 443 62678 -/17 only
408	4822 443 62674
408A	4822 492 70231
409	4822 492 42321
411	4822 402 50272
412	4822 255 40843
413	4822 492 41246
414	4822 454 12269
416	4822 443 62673
416	4822 443 62907 -/17 only
417	4822 426 60564
418	4822 444 60611
418A	4822 444 60611
418C	4822 492 70157
418D	4822 532 51871
418F	4822 535 60096
419	4822 404 60471
421	4822 325 20138
422	4822 492 51724
423	4822 532 61103
424	4822 532 61104
426	4822 492 70156
427	4822 255 40179
428	4822 411 61572
429	4822 426 20182
429B	4822 290 80313
431	4822 492 70155
432	4822 410 26896
433	4822 450 81125
434	4822 413 41492
436	4822 528 40208
437	4822 454 12271
438	4822 410 26898
439	4822 492 52059
441	4822 426 40399
442	4822 410 26895
443	4822 410 26895
444	4822 410 26895
446	4822 492 51961
447	4822 404 10742
448	4822 492 51733
449	4822 528 80907
451	4822 492 40854
452	4822 303 30298
453	4822 498 10328
453	4822 498 10361 -/17 only
454	4822 411 61571
456	4822 522 20384
458	4822 426 60565
459	4822 404 21025
461	4822 462 41339
IFU	4822 736 20154 -/17 only
IFU	4822 736 20148

Note : Only the mentioned parts are normal service parts.

MISCELLANEOUS

1001	4822 070 32002	⚠	Fuse 2A -/00/00S/10/10S
1001	5322 253 30116	⚠	Fuse 2A -/07/07S/17
1091	4822 276 11291		Switch Leaf
1100	4822 277 21133		Switch-Slide 4P4T
1201	4822 277 30898		Switch-Slide 4P2T
1231	4822 242 30121		E-Mic
1421	4822 277 30897		Switch-Slide 2P3T
1422	4822 276 12557		Switch-Push Assy
1426	4822 443 40213		Socket-Cinch Assy
1504	4822 267 30553		Socket-Headphone
1505	4822 265 20287	⚠	Socket-Mains -/00/00S/10/10S
1505	4822 265 20226	⚠	Socket Mains -/07/07S/17
1506	4822 276 12349		Switch-Push
1915	4822 276 12165		Switch Leaf
4030	4822 240 30444		Buzzer
4031	4822 240 30444		Buzzer
4032	4822 240 50294		Loudspeaker 4Ω 5W
4033	4822 240 50294		Loudspeaker 4Ω 5W
4032	4822 240 50322		Loudspeaker 4Ω 7W
4033	4822 240 50322		Loudspeaker 4Ω 7W
	4822 691 20596		RCD 1.2 Mechanism

⊣⊢

2100	4822 125 20283	Polyvaricon
2102	4822 122 10158	1nF 10% 50V
2103	4822 122 10181	47pF 5% 50V
2104	4822 122 10166	22nF 30% 16V
2105	4822 122 10444	24pF 5% 50V
2106	4822 126 11714	4.7nF 20%
2107	4822 126 12293	18pF 50V
2108	4822 122 10181	47pF 5% 50V
2109	4822 126 10212	3.9pF 10% 50V
2110	4822 122 10166	22nF 30% 16V
2112	4822 122 10166	22nF 30% 16V
2113	4822 124 42216	100µF 20% 10V
2114	4822 122 33519	470pF 10% 50V
2115	4822 122 33519	470pF 10% 50V
2120	4822 122 33195	100pF 10% 50V
2121	4822 122 10166	22nF 30% 16V
2122	4822 126 11146	12pF 5%
2123	4822 122 33195	100pF 10% 50V
2124	4822 122 10465	4.7pF 10% 50V
2125	4822 126 12292	1pF 20% 50V
2130	4822 126 12291	82pF 5% 50V
2131	4822 122 10577	3.3nF 10% 16V
2132	4822 125 50198	Trimmer 3pF-11pF
2133	4822 126 12293	18pF 50V
2134	4822 121 43705	390pF 1% 160V

⊣⊢

2135	4822 121 51197	305pF 630V
2136	4822 126 11714	4.7nF 20%
2138	4822 122 10436	6.8pF 10% 50V
2139	5322 126 10181	100nF 25V
2152	4822 124 42216	100µF 20% 10V
2153	4822 122 10166	22nF 30% 16V
2154	4822 122 10176	4.7nF 10% 50V
2155	4822 122 10166	22nF 30% 16V
2156	4822 122 10166	22nF 30% 16V
2157	4822 122 10166	22nF 30% 16V
2158	4822 124 42216	100µF 20% 10V
2159	4822 122 10166	22nF 30% 16V
2160	4822 126 10212	3.9pF 10% 50V
2161	4822 124 41398	1µF 20% 63V
2162	4822 122 33195	100pF 10% 50V
2163	4822 122 33195	100pF 10% 50V
2164	4822 122 33195	100pF 10% 50V
2181	5322 126 10181	100nF 25V
2182	4822 122 10166	22nF 30% 16V
2183	4822 121 43847	470pF 100V
2184	4822 124 42243	0.47µF 20% 63V
2185	4822 124 42243	0.47µF 20% 63V
2186	4822 124 41398	1µF 20% 63V
2189	4822 121 51387	10nF 20% 16V
2190	4822 121 51387	10nF 20% 16V
2191	4822 124 42216	100µF 20% 10V
2201	4822 126 11309	2.7nF 10% 50V
2202	5322 122 32052	680pF 10% 100V
2203	4822 122 10158	1nF 10% 50V
2204	4822 122 10176	4.7nF 10% 50V
2205	4822 122 31816	10nF 50V
2206	4822 124 40248	10µF 20% 63V
2207	4822 124 41398	1µF 20% 63V
2208	4822 124 40248	10µF 20% 63V
2211	4822 124 40433	47µF 20% 25V
2212	4822 124 40196	220µF 20% 16V
2213	4822 124 40248	10µF 20% 63V
2214	4822 124 40196	220µF 20% 16V
2215	4822 121 43145	33nF 10% 50V
2217	4822 121 70176	5.6nF 10% 50V
2220	4822 124 42218	470µF 20% 10V
2221	4822 124 41398	1µF 20% 63V
2222	4822 122 10158	1nF 10% 50V
2223	4822 126 11097	15nF 20%
2224	4822 122 10183	100pF 5% 50V
2225	4822 124 41398	1µF 20% 63V
2227	4822 124 41398	1µF 20% 63V
2231	4822 124 41398	1µF 20% 63V
2251	4822 126 11309	2.7nF 10% 50V
2252	5322 122 32052	680pF 10% 100V

2253	4822 122 10158	1nF 10% 50V
2255	4822 122 31816	10nF 50V
2256	4822 124 40248	10µF 20% 63V
2257	4822 124 41398	1µF 20% 63V
2265	4822 121 43145	33nF 10% 50V
2271	4822 124 41398	1µF 20% 63V
2272	4822 122 10158	1nF 10% 50V
2273	4822 126 11097	15nF 20%
2274	4822 122 10183	100pF 5% 50V
2275	4822 124 41398	1µF 20% 63V
2277	4822 124 41398	1µF 20% 63V
2281	4822 124 41398	1µF 20% 63V
2301	4822 121 43104	33nF 10% 100V
2302	4822 121 41815	10nF 10% 100V
2303	4822 122 10172	220pF 10% 50V
2304	4822 124 23175	4.7µF 20% 63V
2305	4822 122 10175	2.2nF 10% 50V
2306	5322 126 10181	100nF 25V
2326	4822 124 40433	47µF 20% 25V
2331	4822 124 41973	100µF 20% 16V
2332	4822 124 41973	100µF 20% 16V
2333	4822 124 40272	33µF 20% 16V
2334	4822 124 42119	4700µF 20% 25V
2336	4822 124 41397	47µF 20% 25V
2337	4822 122 10158	1nF 10% 50V
2338	4822 122 10166	22nF 30% 16V
2339	4822 124 41973	100µF 20% 16V
2340	4822 124 40196	220µF 20% 16V
2400	4822 124 40196	220µF 20% 16V
2401	4822 124 41398	1µF 20% 63V
2402	4822 121 43945	8.2nF 20%
2403	4822 122 10158	1nF 10% 50V
2404	4822 122 31466	330pF 10% 50V
2405	4822 122 10174	1.5nF 10% 50V
2406	4822 121 43944	5.6nF 20%
2407	5322 126 10181	100nF 25V
2408	5322 122 10237	150pF 10%
2409	4822 124 42243	0.47µF 20% 63V
2410	4822 122 10166	22nF 30% 16V
2411	4822 122 10158	1nF 10% 50V
2412	4822 126 10003	33nF 30% 50V
2423	4822 124 40272	33µF 20% 16V
2451	4822 124 41398	1µF 20% 63V
2452	4822 121 43945	8.2nF 20%
2453	4822 122 10158	1nF 10% 50V
2454	4822 122 31466	330pF 10% 50V
2455	4822 122 31464	1nF 10%
2456	4822 121 43944	5.6nF 20%
2457	5322 126 10181	100nF 25V
2458	5322 122 10237	150pF 10%

2459	4822 124 42243	0.47µF 20% 63V
2460	4822 122 10166	22nF 30% 16V
2461	4822 122 10158	1nF 10% 50V
2462	4822 126 10003	33nF 30% 50V
2501	4822 122 10158	1nF 10% 50V
2502	4822 124 41397	47µF 20% 25V
2503	4822 124 41397	47µF 20% 25V
2504	4822 124 41974	330nF 20% 16V
2505	4822 124 23794	470µF 20% 16V
2511	4822 126 11316	47nF 50V
2512	4822 126 11316	47nF 50V
2513	4822 126 11316	47nF 50V
2514	4822 126 11316	47nF 50V
2516	4822 122 10183	100pF 5% 50V
2550	4822 124 41551	100µF 20% 25V
2551	4822 122 10158	1nF 10% 50V
2552	4822 124 41397	47µF 20% 25V
2553	4822 124 41397	47µF 20% 25V
2554	4822 124 41974	330nF 20% 16V
2555	4822 124 23794	470µF 20% 16V
2601	4822 122 10183	100pF 5% 50V
2651	4822 122 10183	100pF 5% 50V
2701	4822 122 10166	22nF 30% 16V

3101	4822 050 23301	330Ω 1% 0.6W
3102	4822 050 21002	1k 1% 0.6W
3103	4822 050 24703	47k 1% 0.6W
3104	4822 050 21002	1k 1% 0.6W
3105	4822 050 22209	22Ω 1% 0.6W
3106	4822 050 21003	10k 1% 0.6W
3108	4822 050 24705	4M7 1% 0.6W
3109	4822 050 21801	180Ω 1% 0.6W
3120	4822 116 52219	330Ω 5% 0.5W
3121	4822 116 52224	470Ω 5% 0.5W
3123	4822 116 52219	330Ω 5% 0.5W
3130	5322 116 82225	8Ω2 +-5%
3131	4822 050 22202	2k2 1% 0.6W
3152	4822 050 21002	1k 1% 0.6W
3154	4822 116 52224	470Ω 5% 0.5W
3155	4822 116 52228	680Ω 5% 0.5W
3156	4822 050 28202	8k2 1% 0.6W
3157	4822 050 21502	1k5 1% 0.6W
3158	4822 116 52233	10k 5% 0.5W
3159	4822 116 52233	10k 5% 0.5W
3160	4822 050 21002	1k 1% 0.6W
3161	4822 050 21002	1k 1% 0.6W
3182	4822 116 52213	180Ω 5% 0.5W
3183	4822 116 52257	22k 5% 0.5W

3184	4822 100 20166	10k 30%LIN 0.1W
3186	4822 116 52233	10k 5% 0.5W
3187	4822 116 52289	5k6 5% 0.5W
3191	4822 050 24709	47Ω 1% 0.6W
3201	4822 050 21003	10k 1% 0.6W
3202	4822 050 21503	15k 1% 0.6W
3203	4822 050 21009	10Ω 1% 0.6W
3204	4822 050 23901	390Ω 1% 0.6W
3205	4822 050 21002	1k 1% 0.6W
3206	4822 050 23304	330k 1% 0.6W
3208	4822 050 22703	27k 1% 0.6W
3211	4822 050 24702	4k7 1% 0.6W
3212	4822 050 22702	2k7 1% 0.6W
3213	4822 050 22201	220Ω 1% 0.6W
3214	4822 050 23305	3M3 1% 0.6W
3215	4822 050 22202	2k2 1% 0.6W
3216	4822 050 22702	2k7 1% 0.6W
3217	4822 050 21003	10k 1% 0.6W
3220	4822 050 21001	100Ω 1% 0.6W
3221	4822 050 23305	3M3 1% 0.6W
3222	4822 053 20155	1M5 5% 0.25W
3223	4822 050 25602	5k6 1% 0.6W
3224	4822 050 21002	1k 1% 0.6W
3225	4822 050 21003	10k 1% 0.6W
3226	4822 050 21004	100k 1% 0.6W
3227	4822 050 21003	10k 1% 0.6W
3228	4822 050 21003	10k 1% 0.6W
3231	4822 050 23903	39k 1% 0.6W
3232	4822 050 28203	82k 1% 0.6W
3233	4822 050 21003	10k 1% 0.6W
3251	4822 050 21003	10k 1% 0.6W
3252	4822 050 21503	15k 1% 0.6W
3254	4822 050 23901	390Ω 1% 0.6W
3255	4822 050 21002	1k 1% 0.6W
3256	4822 050 23304	330k 1% 0.6W
3271	4822 050 23305	3M3 1% 0.6W
3272	4822 053 20155	1M5 5% 0.25W
3273	4822 050 25602	5k6 1% 0.6W
3274	4822 050 21002	1k 1% 0.6W
3275	4822 050 21003	10k 1% 0.6W
3276	4822 050 21004	100k 1% 0.6W
3277	4822 050 21003	10k 1% 0.6W
3278	4822 050 21003	10k 1% 0.6W
3281	4822 050 23903	39k 1% 0.6W
3282	4822 050 28203	82k 1% 0.6W
3283	4822 050 21003	10k 1% 0.6W
3300	4822 052 10478	4Ω7 5% 0.33W
3301	4822 050 24702	4k7 1% 0.6W
3302	4822 050 25602	5k6 1% 0.6W
3303	4822 050 24702	4k7 1% 0.6W

3304	4822 050 21003	10k 1% 0.6W
3305	4822 050 21003	10k 1% 0.6W
3306	4822 050 21009	10Ω 1% 0.6W
3307	4822 050 23303	33k 1% 0.6W
3309	4822 050 21201	120Ω 1% 0.6W
3310	4822 050 24703	47k 1% 0.6W
3311	4822 050 26802	6k8 1% 0.6W
3312	4822 050 22202	2k2 1% 0.6W
3320	4822 050 21002	1k 1% 0.6W
3321	4822 050 24704	470k 1% 0.6W
3323	4822 050 21003	10k 1% 0.6W
3324	4822 050 21003	10k 1% 0.6W
3325	4822 050 24702	4k7 1% 0.6W
3326	4822 050 24702	4k7 1% 0.6W
3327	4822 050 21004	100k 1% 0.6W
3328	4822 050 21502	1k5 1% 0.6W
3332	4822 050 24702	4k7 1% 0.6W
3333	4822 050 21002	1k 1% 0.6W
3334	4822 050 22701	270Ω 1% 0.6W
3335	4822 050 21001	100Ω 1% 0.6W
3336	4822 050 21002	1k 1% 0.6W
3337	4822 050 24702	4k7 1% 0.6W
3338	4822 050 22703	27k 1% 0.6W
3339	4822 050 26809	68Ω 1% 0.6W
3340	4822 050 23901	390Ω 1% 0.6W
3341	4822 050 23901	390Ω 1% 0.6W
3342	4822 050 24702	4k7 1% 0.6W
3343	4822 050 23303	33k 1% 0.6W
3344	4822 050 24702	4k7 1% 0.6W
3357	4822 050 23303	33k 1% 0.6W
3402	4822 050 28203	82k 1% 0.6W
3403	4822 105 11024	100kBX2
3404	4822 050 24703	47k 1% 0.6W
3405	4822 050 21803	18k 1% 0.6W
3406	4822 050 22703	27k 1% 0.6W
3407	4822 105 11024	100kBX2
3408	4822 050 22703	27k 1% 0.6W
3409	4822 050 21503	15k 1% 0.6W
3410	4822 105 11024	100kBX2
3411	4822 050 21503	15k 1% 0.6W
3415	4822 050 23904	390k 1% 0.6W
3416	4822 050 21003	10k 1% 0.6W
3417	4822 050 22703	27k 1% 0.6W
3418	4822 050 22203	22k 1% 0.6W
3420	4822 050 23302	3k3 1% 0.6W
3421	4822 050 24702	4k7 1% 0.6W
3422	4822 105 10909	2x50k 20%
3430	4822 050 21001	100Ω 1% 0.6W
3440	4822 050 22702	2k7 1% 0.6W
3441	4822 050 22202	2k2 1% 0.6W

3442	4822 050 21003	10k 1% 0.6W
3452	4822 050 28203	82k 1% 0.6W
3454	4822 050 24703	47k 1% 0.6W
3455	4822 050 21803	18k 1% 0.6W
3456	4822 050 22703	27k 1% 0.6W
3458	4822 050 22703	27k 1% 0.6W
3459	4822 050 21503	15k 1% 0.6W
3461	4822 050 21503	15k 1% 0.6W
3465	4822 050 23904	390k 1% 0.6W
3466	4822 050 21003	10k 1% 0.6W
3467	4822 050 22703	27k 1% 0.6W
3468	4822 050 22203	22k 1% 0.6W
3470	4822 050 23302	3k3 1% 0.6W
3471	4822 050 24702	4k7 1% 0.6W
3491	4822 050 22202	2k2 1% 0.6W
3500	4822 050 23301	330Ω 1% 0.6W
3501	4822 050 21003	10k 1% 0.6W
3510	4822 050 21501	150Ω 1% 0.6W
3560	4822 050 21501	150Ω 1% 0.6W
3601	4822 050 24701	470Ω 1% 0.6W
3602	4822 050 24701	470Ω 1% 0.6W
3701	4822 050 22203	22k 1% 0.6W
3702	4822 050 24702	4k7 1% 0.6W
3703	4822 050 21003	10k 1% 0.6W
3704	4822 050 22203	22k 1% 0.6W
3705	4822 050 24702	4k7 1% 0.6W
3706	4822 050 22702	2k7 1% 0.6W
3707	4822 050 22702	2k7 1% 0.6W
3708	4822 050 22702	2k7 1% 0.6W
3709	4822 050 21001	100Ω 1% 0.6W
3710	4822 050 22701	270Ω 1% 0.6W
3711	4822 050 22701	270Ω 1% 0.6W
3712	4822 050 22701	270Ω 1% 0.6W
3713	4822 050 22701	270Ω 1% 0.6W
3714	4822 050 22701	270Ω 1% 0.6W
3715	4822 050 22701	270Ω 1% 0.6W
3716	4822 050 22701	270Ω 1% 0.6W
3717	4822 050 26804	680k 1% 0.6W
3718	4822 050 22701	270Ω 1% 0.6W
3719	4822 050 22701	270Ω 1% 0.6W
3720	4822 050 22701	270Ω 1% 0.6W
3721	4822 050 22701	270Ω 1% 0.6W
3722	4822 050 22701	270Ω 1% 0.6W
3723	4822 050 22701	270Ω 1% 0.6W
3724	4822 050 22701	270Ω 1% 0.6W
3725	4822 050 22701	270Ω 1% 0.6W

5101	4822 156 30947	FM RF Coil

5102	4822 156 30947	FM RF Coil
5103	4822 157 53138	Inductor 0.47µH
5104	4822 157 53138	Inductor 0.47U 20%
5121	4822 158 60546	MW ANT Coil Assy
5122	4822 158 60564	MW-LW ANT COIL assy
5124	4822 156 30811	SW ANT Coil
5130	4822 156 30671	MW OSC Coil
5131	4822 156 31023	SW OSC Coil
5151	4822 242 70249	CER TER 10.7MHz
5152	4822 242 70249	SFE10.7MS2-Z
5153	4822 156 10726	IFT AM
5154	4822 156 10726	IFT AM
5155	4822 157 52693	FM Detector coil
5156	4822 157 53901	Inductor 15µH
5200	4822 146 21302	⚠ Transformer Mains
5200	4822 146 21349	⚠ Transformer Mains -/17 only
5301	4822 157 53473	Inductor 1000µH
5302	4822 157 53856	Inductor 270µH

7001	4822 130 30621	1N4148
7052	4822 130 30302	BA316
7053	4822 130 30302	BA316
7101	4822 130 31274	TLR124 RD
7102	4822 130 32472	TLG123A GN
7103	4822 130 30621	1N4148
7121	4822 130 30621	1N4148
7130	4822 130 30621	1N4148
7153	4822 130 31554	BZX79B4V3
7181	4822 130 32472	TLG123A GN
7212	4822 130 30621	1N4148
7214	4822 130 40937	1402D
7215	4822 209 60038	TA7417AP
7221	4822 130 44246	TBC549C
7222	4822 130 44197	TBC558B
7271	4822 130 44246	TBC549C
7272	4822 130 44197	TBC558B
7274	4822 130 30621	1N4148
7301	4822 130 60163	2SC1047C
7302	4822 130 60093	2SA838B
7303	4822 130 60092	2SC1359B
7304	4822 130 40948	TBC548A
7306	4822 130 44196	TBC548C
7308	4822 130 30621	1N4148
7309	4822 130 30621	1N4148
7310	4822 130 30621	1N4148
7311	4822 130 40937	1402D
7312	4822 130 30621	1N4148

7313	4822 130 30621	1N4148
7314	4822 130 44197	TBC558B
7315	4822 130 30621	1N4148
7316	4822 130 30621	1N4148
7317	4822 130 30621	1N4148
7320	4822 130 44197	TBC558B
7321	4822 130 44197	TBC558B
7322	4822 130 44197	TBC558B
7323	4822 130 40937	1402D
7324	4822 130 31274	TLR124TPJ52 RD
7325	4822 130 30621	1N4148
7331	4822 130 30862	BZX79C9V1
7332	4822 130 41344	BC337-40
7333	4822 130 44197	TBC558B
7334	4822 130 30621	1N4148
7335	4822 130 30621	1N4148
7339	4822 130 34173	BZX79C5V6
7341	4822 130 32203	S4VB10
7342	4822 130 61236	BD234
7343	4822 130 34174	BZX9C4V7
7344	4822 130 44196	TBC548C
7401	4822 130 40937	1402D
7402	4822 130 40937	1402D
7451	4822 130 40937	1402D
7452	4822 130 40937	1402D
7500	4822 130 40937	1402D
7501	4822 130 40938	TBC548
7502	4822 130 40938	TBC548
7560	4822 209 72368	AN7147
7601	4822 130 32472	TLG124ATPJ52 GN
7602	4822 130 32472	TLG124ATPJ52 GN
7603	4822 130 34174	BZX79C4V7
7604	4822 130 40937	1402D
7751	4822 209 81563	TEA5570/N5
7781	4822 209 71321	AN7411
7801	4822 130 82478	7-SEG LTD432G
7802	5322 209 11268	CD74HCT164E
7803	5322 209 11268	CD74HCT164E

Note: Only the mentioned parts are normal service parts.

2801	4822 124 41397	47µF 20% 25V
2802	4822 122 10166	22nF 30% 16V
2803	4822 121 51252	470nF 5% 63V
2804	4822 121 51252	470nF 5% 63V
2805	4822 126 11715	5.6nF 10% 50V
2806	4822 121 43359	68nF 10% 50V
2807	4822 122 10168	10pF 5% 50V
2808	4822 122 31466	330pF 10% 50V
2810	5322 126 10181	100nF 25V
2811	4822 126 11311	4.7nF 50V
2812	4822 124 40242	1µF 20% 63V
2813	4822 126 11316	47nF 25V
2814	4822 124 41596	22µF 20% 50V
2815	4822 121 43359	68nF 10% 50V
2816	4822 126 12574	270pF 10% 50V
2817	4822 124 42216	100µF 20% 10V
2818	4822 121 43359	68nF 10% 50V
2819	4822 121 43179	18nF 5% 250V
2820	4822 121 51252	470nF 5% 63V
2821	4822 121 43179	18nF 5% 250V
2822	4822 121 41854	150nF 5% 63V
2824	4822 126 12575	560nF 10% 50V
2825	4822 124 41398	1µF 20% 63V
2826	4822 121 43359	68nF 10% 50V
2827	4822 126 12576	4n7 20% 25V
2828	4822 124 41397	47µF 20% 25V
2829	4822 124 23175	4.7µF 20% 63V
2835	4822 126 11316	47nF 50V
2836	5322 121 42386	100nF 5% 250V
2837	4822 121 41857	10nF 5% 250V
2838	4822 122 31464	1.5nF 10% 50V
2841	4822 126 11309	2.7nF 10% 50V
2842	4822 126 11309	2.7nF 10% 50V
2843	4822 126 11594	3.30nF 50V
2844	4822 126 11594	3.30nF 50V
2845	4822 124 23175	4.7µF 20% 63V
2846	4822 124 23175	4.7µF 20% 63V
2847	4822 126 10003	33nF 30% 50V
2848	4822 126 10003	33nF 30% 50V
2850	4822 124 41397	47µF 20% 25V
2851	4822 124 40244	2.2µF 20% 63V
2852	5322 124 41431	22µF 20% 35V
2853	4822 124 40196	220µF 20% 16V
2861	4822 124 42218	470µF 20% 10V
2862	4822 126 11315	390pF 50V
2863	4822 121 43635	330nF 10% 63V
2864	4822 122 10166	22nF 30% 16V
2865	4822 122 10175	2.2nF 10% 50V
2866	4822 124 40181	220µF 20% 10V

2867	4822 124 40244	2.2µF 20% 63V
2868	4822 122 31814	68pF 50V
2871	4822 124 41397	47µF 20% 25V
2872	4822 124 41397	47µF 20% 25V
2873	4822 121 51252	470nF 5% 63V

3801	4822 050 21002	1k 1% 0.6W
3802	4822 052 10478 ⚠	4Ω7 5% 0.33W
3803	4822 100 20589	Trimmer 20k 30%
3804	4822 116 52244	15k 5% 0.5W
3805	4822 116 52244	15k 5% 0.5W
3806	4822 050 21803	18k 1% 0.6W
3807	4822 050 21002	1k 1% 0.6W
3809	4822 052 10478	4Ω7 5% 0.33W
3810	4822 050 28201	820Ω 1% 0.6W
3811	4822 050 21802	1k8 1% 0.6W
3812	4822 050 28201	820Ω 1% 0.6W
3813	4822 100 20589	Trimmer 20k 30%
3814	4822 050 23304	330k 1% 0.6W
3815	4822 050 22202	2.2k 1% 0.6W
3816	4822 100 20589	Trimmer 20k 30%
3817	4822 050 24703	47k 1% 0.6W
3818	4822 050 26803	68k 1% 0.6W
3819	4822 050 24703	47k 1% 0.6W
3820	4822 050 26804	680k 1% 0.6W
3821	4822 100 20589	Trimmer 20k 30%
3822	4822 050 26803	68k 1% 0.6W
3824	4822 050 23301	330Ω 1% 0.6W
3825	4822 050 23902	3k9 1% 0.6W
3826	4822 050 25603	56k 1% 0.6W
3827	4822 050 23901	390Ω 1% 0.6W
3828	4822 050 22203	22k 1% 0.6W
3829	4822 050 21803	18k 1% 0.6W
3830	4822 050 28203	39k 1% 0.6W
3831	4822 050 24702	4k7 1% 0.6W
3832	4822 050 25602	5k6 1% 0.6W
3833	4822 050 26803	68k 1% 0.6W
3834	4822 050 24703	47k 1% 0.6W
3835	4822 050 22203	22k 1% 0.6W
3836	4822 050 22202	2k2 1% 0.6W
3837	4822 050 28203	82k 1% 0.6W
3838	4822 050 21503	15k 1% 0.6W
3839	4822 050 24704	470k 1% 0.6W
3840	4822 100 20589	Trimmer 20k 30%
3841	4822 050 21002	1k 1% 0.6W
3842	4822 050 21002	1k 1% 0.6W
3843	4822 050 24701	470Ω 1% 0.6W
3844	4822 050 24701	470Ω 1% 0.6W

3845	4822 050 21002	1k 1% 0.6W
3846	4822 050 21002	1k 1% 0.6W
3847	4822 050 23303	33k 1% 0.6W
3848	4822 050 26803	68k 1% 0.6W
3849	4822 050 22202	2k2 1% 0.6W
3850	4822 050 22203	22k 1% 0.6W
3851	4822 050 22201	220Ω 1% 0.6W
3852	4822 050 22201	220Ω 1% 0.6W
3853	4822 050 22203	22k 1% 0.6W
3854	4822 050 22203	22k 1% 0.6W
3855	4822 050 24702	4k7 1% 0.6W
3856	4822 050 21003	10k 1% 0.6W
3858	4822 050 24701	470Ω 1% 0.6W
3859	4822 050 24701	470Ω 1% 0.6W
3860	4822 050 22202	2k2 1% 0.6W
3861	4822 050 22204	220k 1% 0.6W
3862	4822 050 23902	3k9 1% 0.6W
3863	4822 050 22203	22k 1% 0.6W
3864	4822 050 21204	120k 1% 0.6W
3865	4822 050 21001	100Ω 1% 0.6W
3866	4822 050 24701	470Ω 1% 0.6W
3867	4822 116 52191	33Ω 5% 0.5W
3871	4822 050 26802	6k8 5% 0.5W
3872	4822 050 21004	100k 1% 0.6W
3873	4822 050 21003	10k 1% 0.6W
3874	4822 050 22201	220Ω 1% 0.6W
3875	4822 050 22201	220Ω 1% 0.6W
3876	4822 050 21003	10k 1% 0.6W
3877	4822 050 21003	10k 1% 0.6W
3878	4822 050 22201	220Ω 1% 0.6W
3879	4822 050 23302	3k3 1% 0.6W
3880	4822 050 21003	10k 1% 0.6W
3881	4822 050 21003	10k 1% 0.6W
3884	4822 050 22203	22k 1% 0.6W
3890	4822 050 21003	10k 1% 0.6W
3891	4822 050 24701	470Ω 1% 0.6W
3892	4822 050 24701	470Ω 1% 0.6W
3893	4822 050 21003	10k 1% 0.6W
3894	4822 050 21003	10k 1% 0.6W
3895	4822 050 23305	3M3 1% 0.6W
3896	4822 050 22203	22k 1% 0.6W

5851	4822 242 73654	Cer. Resonator 6.0MHz
5861	4822 242 73557	Cer. Resonator 8.467MHz

6853	4822 130 31554	BZX79-B4V3

7801	4822 209 72814	M51567P
7810	4822 130 40938	TBC548
7811	4822 209 72815	M51564P
7812	4822 130 41246	BC327-25
7813	4822 209 61073	TDA7073/N1
7814	4822 209 61073	TDA7073/N1
7815	4822 130 41246	BC327-25
7841	4822 209 83274	NJM4560D

7842	4822 130 40941	TBC558
7843	4822 130 40938	TBC548
7844	4822 130 40938	TBC548
7845	4822 130 40938	TBC548
7846	4822 130 40938	TBC548
7850	4822 209 51474	TMP8049AP-3281
7858	4822 130 40938	TBC548
7859	4822 130 40938	TBC548
7861	4822 209 72813	M50422P
7862	4822 209 70422	MN4264-15
7863	4822 209 73864	YM3016F
7864	4822 209 83274	NJM4560D
7871	5322 209 72487	LM2940CT-5.0

(GB) WARNING

All ICs and many other semi-conductors 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 also at this potential.

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.

(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.

(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).
Unsorgfältige Behandlung im Reparaturfall kan die Lebensdauer drastisch reduzieren.
Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarmband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes.
Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

(I) AVVERTIMENTO

Tutti IC e parecchi semi-conduttori sono sensibili alle scariche statiche (ESD).
La loro longevità potrebbe essere fortemente ridatta in caso di non osservazione della più grande cauzione 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)

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

(F)

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.

(NL)

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

(D)

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Original zustand des Geräts darf nicht verändert werden; für Reparaturen sind Original-Ersatzteile zu verwenden.

(I)

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

"After servicing and before returning set to customer perform a leakage current measurement test from all exposed metal parts to earth ground to assure no shock hazard exist. The leakage current must not exceed 0.5mA."