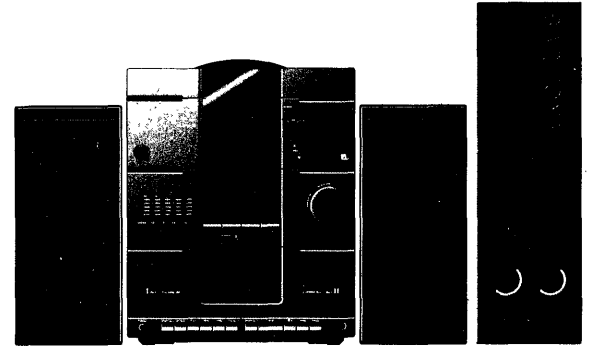


Service Service Service

←
Volta ao Menu



Service Manual

Manual de Serviço

For repair information of the cassette mechanism see Service Manual of Tape transport RDN/RDR General documentation and Tape transport RDN7.



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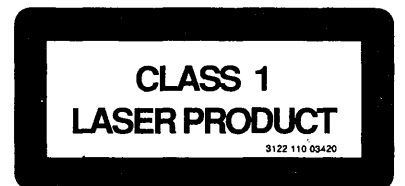
(S)

Osynlig laserstrålning när denna del är öppnad är urkopplad.
Betrakta ej strålen.

(SF)

Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle. Alä katso säteeseen.

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



CONNECTIONS AND CONTROLS

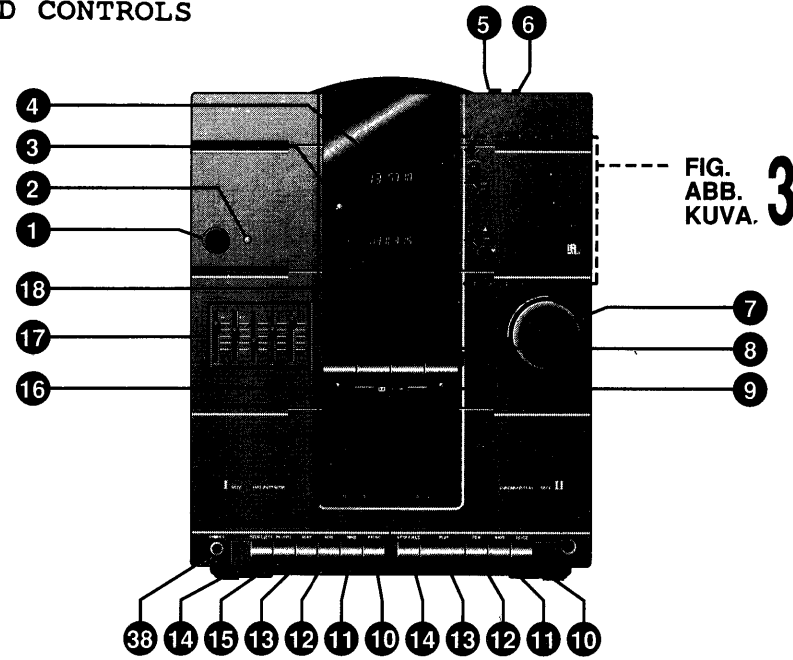


FIG. ABB. KUVA. 3

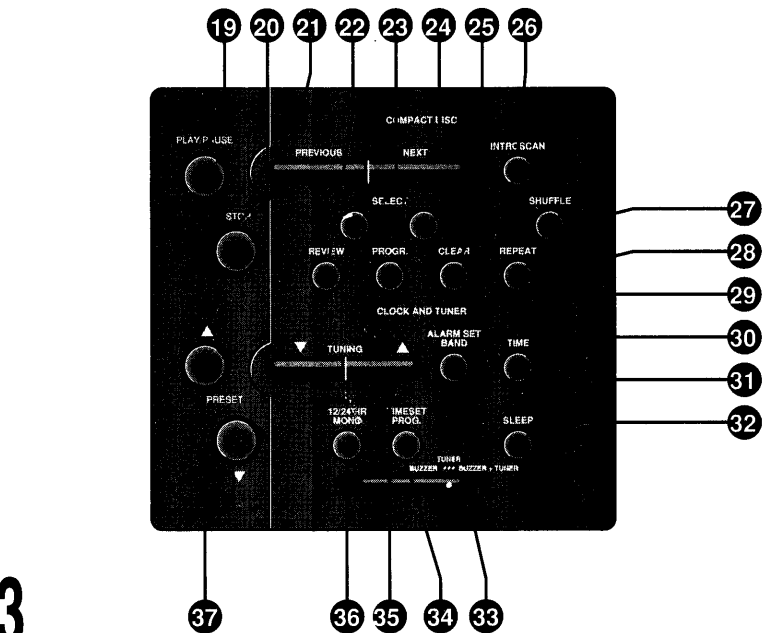
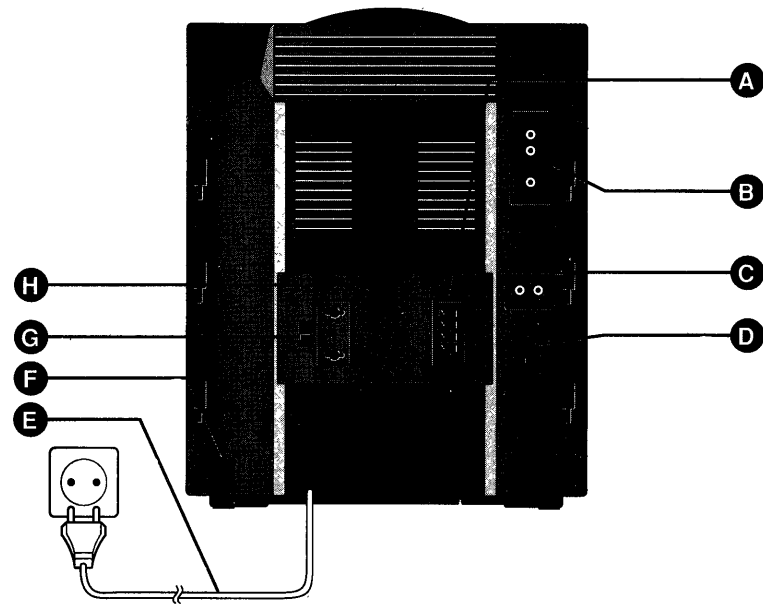


FIG. ABB. KUVA. 3

- | | | | | | |
|----|------------------------|-----------|-----|-------------------------|-----------|
| 1 | Power Switch | 1264 | 24 | Next | 1912 |
| 2 | Alarm LED | 6437 | 25 | Clear | 1902 |
| 3 | IR Infra Red Sensor | 6420 | 26 | Introsan | 1906 |
| 4 | CD Display | 1900 | 27 | Shuffle | 1908 |
| 5 | CD Open/Close | 1913 | 28 | Repeat | 1907 |
| 6 | Alarm On/Off | 1410 | 29 | Program | 1903 |
| 7 | Volume Control | 3500 | 30 | Alarm Set/Band Selector | 1404 |
| 8 | Mode Selector | | 31 | Time | 1405 |
| 9 | Dolby NR/Indicator | 1411/6439 | 32 | Sleep | 1409 |
| 10 | Pause | | 33 | Alarm Mode | 1421 |
| 11 | Forward | | 34 | Time Setting | 1408 |
| 12 | Rewind | | 35 | Tuning Up/Down | 1402/1403 |
| 13 | Play | | 36 | 12/24 Hr, Mono/Stereo | 1407 |
| 14 | Stop/Eject | | 37 | Preset Up/Down | 1401/1406 |
| 15 | Record | | 38 | Headphone Socket | 1258 |
| 16 | Subwoofer/Indicator | 1416/6438 | A | Speaker Connection | 1200 |
| 17 | Subwoofer Control | 3505 | B | FM Aerial Socket | 1100 |
| | Graphic Equalizer | 3507,3509 | @ | FM Aerial Socket | 1104 |
| | | 3511,3513 | C | Aux/TV Input | 1554 |
| 18 | Mode And Clock Display | 1400 | D # | Grid Selector | 1105 |
| 19 | Play/Pause | 1909 | E | AC Mains Cord | |
| 20 | Stop | 1910 | F | Subwoofer Output | 1265 |
| 21 | Previous | 1911 | G # | Voltage Selector | 1025 |
| 22 | Review | 1904 | H | Not Applicable | |
| 23 | Select Up/Down | 1901,1905 | | | |

For -/21 only
@ For -/37 only

ADJUSTMENT	CASSETTE	SK...	Recorder position		MEASURE ON	READ ON	ADJUST WITH	ADJUST TO
			DECK I	DECK II				
Azimuth	10KHz	Cass.	Play	-	1258	mV-meter	Left hand Screw Play head	Max.
	SBC 420*	Cass.	-	Play	1258	mV-meter	Left hand Screw R/P Head	L = R
Motor speed (Normal)	3150Hz	Cass.	Play	-	1258	Wow and Flutter meter	preset in motor	** a
	SBC 420*	Cass.	-	Play	1258	Wow and Flutter meter	-	
Motor speed (high)	3150Hz SBC 420*	Cass. HSD	Record	Play	1258	Frequency counter	-	6.0KHz ± 0.3KHz

* SBC 420 : 4822 397 30071
** a The maximum permissible speed deviation is 2%. Moreover, the wow and flutter value can be read. This value should not exceed 0.35%.

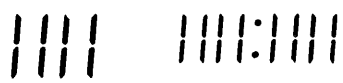
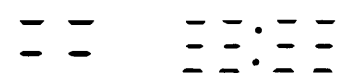

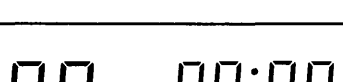



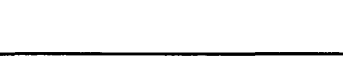




SERVICE TEST PROGRAMME


Testprogramme 1 can test the following:

- * CD Display
- * Radial arm and amplifier
- * Turntable motor
- * Focus servo
- * Tracking servo















Testprogramme 2 checks the following:

- * Tuner display
- * Check and adjust the clock oscillator
- * Load service frequencies into the EEROM of the μ Processor

Operating sequence	Display shows	Remarks
<p>CD door closed. To start the Service testprogramme 1 set function to "Cass" or "Tuner". Hold "Select \blacktriangle" and "Select \blacktriangledown" down and turn the set to "Cd", Step 1 of testprogramme is reached.</p>		The radial arm is now in the centre of the mechanism.
<p>Press "Previous"</p>		The radial arm will be moved outward.
<p>Press "Select \blacktriangledown"</p>		The CD door opens.
<p>Press "Select \blacktriangle"</p>		The CD door closes.
<p>Press "Play" to reach Step 2</p>		The laser is switched on and the lens moves up and down.
<p>Press "Previous"</p>		The turntable turns counter clockwise.
<p>Insert a disc and press "Next"</p>		The turntable turns clockwise, focus will be achieved and the motor stays running.
<p>Press "Stop" to return to step 1.</p>		
<p>Press "Play"</p>		The radial control is switched on and tracking occurs.
<p>Press "Previous"</p>		The arm jump-track backward.
<p>Press "Next"</p>		Subcode will be read followed by jump-track forward.
<p>Press "Stop" to return to step 1 or Power off to interrupt testprogramme.</p>		

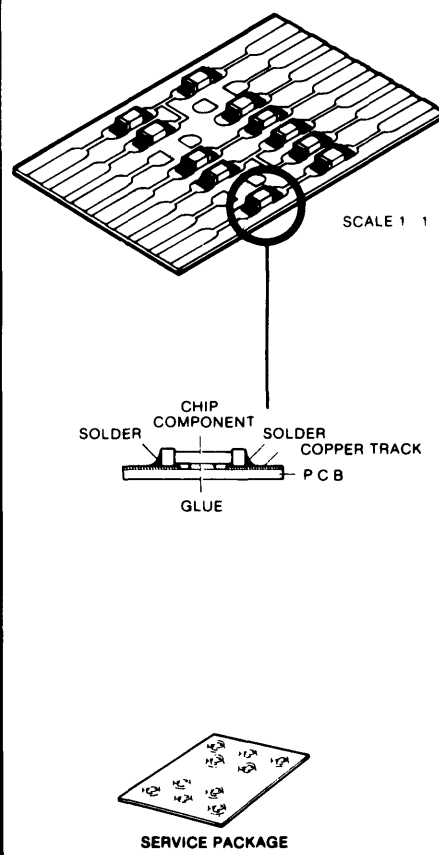
Operating sequence	Display shows	Remarks
To start Service testprogramme 2 hold "Preset up" and "Program" buttons down while Power on.		The display will turn off once the two buttons are released. Frequency of clock oscillator can now be checked or adjusted: * measure on pin 18 of μ Processor * adjust frequency to $32\text{Hz} \pm 0.0005\text{Hz}$ ($31.25\text{ms} \pm 0.5\mu\text{s}$) with 2412.
Press "Preset up" Press "CD", "Add", "CASS", "Time", "Sleep" or "Tuner".	Display shows "Cd", "Add", "CASS", clock time, sleep time or tuner bandwave and frequency accordingly.	The clock display is in fast mode.
The μ P is now loaded with frequencies as shown in the table below.		The Service testprogramme can be interrupted by Power off

Preset	FM	FM(POL)	FM(USA)	SW	MW	MW(USA)	LW
0	87.50	65.00	87.50				
1	97.00	67.50	97.00				
2	98.00	70.00	98.00				
3	99.00	72.00	106.00				
4	108.00	74.00	108.00				
5					522	530	
6					558	560	
7					603	620	
8					999	1000	
9					1494	1600	
10					1611	1700	
11							148
12							155
13							200
14							275
15							284
16					3.820		
17					3.900		
18					11.900		
19					12.100		
UNITS	MHz	MHz	MHz	MHz	kHz	kHz	kHz

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

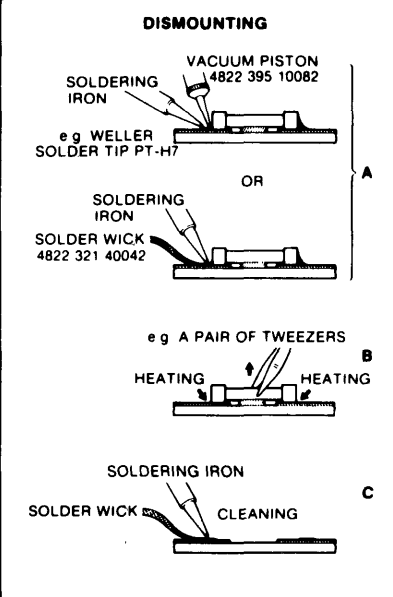
HANDLING CHIP COMPONENTS

GENERAL

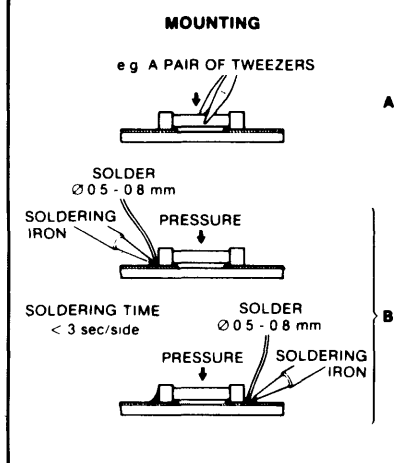


SCALE 1 1

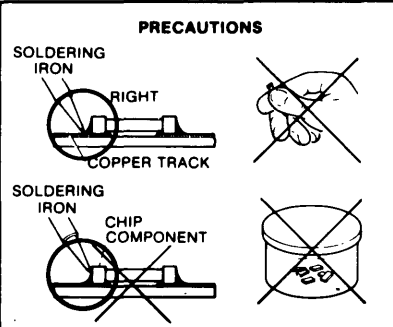
DISMOUNTING



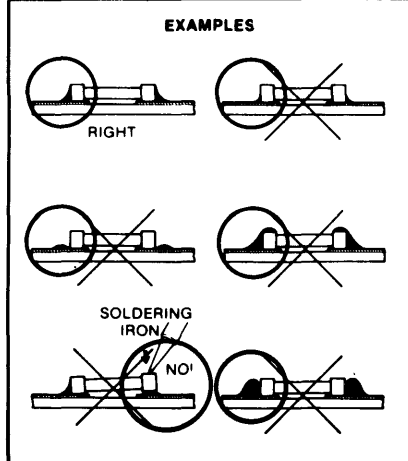
MOUNTING

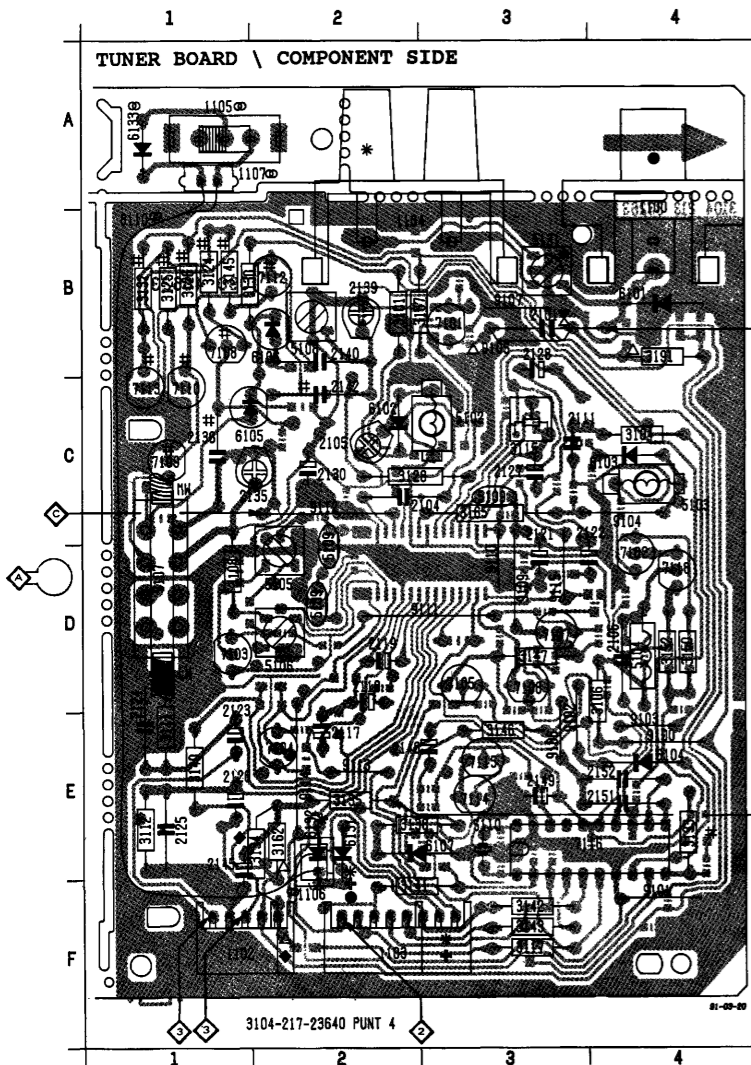


PRECAUTIONS



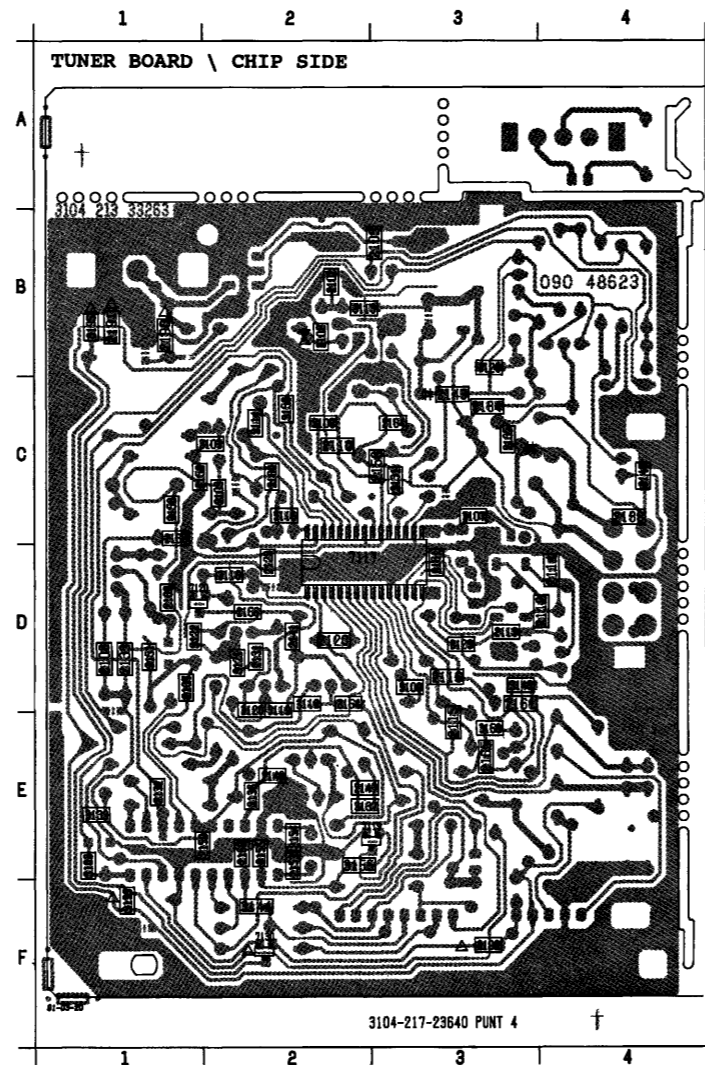
EXAMPLES





1100 R 4 5102 C 3
 1102 F 2 5103 C 4
 1103 F 2 5104 D 4
 1104 R 2 5105 D 2
 1105 R 4 5106 D 2
 1106 F 2 5107 D 1
 1107 R 2 5108 B 2
 2101 B 3 5109 C 3
 2104 C 3 5109 C 2
 2105 C 2 5109 D 2
 2106 D 4 5110 E 3
 2111 C 3 5131 B 3
 2117 E 2 6101 B 4
 2118 D 2 6102 C 2
 2119 D 2 6103 C 4
 2121 C 3 6104 E 4
 2122 C 4 6105 C 2
 2123 E 1 6106 E 2
 2124 D 1 6107 E 3
 2125 E 1 6131 E 2
 2126 E 1 6132 E 2
 2127 C 3 6133 A 1
 2128 B 3 7101 B 3
 2130 C 2 7102 D 4
 2135 C 2 7103 D 1
 2136 C 1 7104 E 2
 2139 B 2 7105 D 3
 2140 B 2 7106 D 3
 2142 C 2 7107 D 3
 2145 E 1 7108 B 1
 2146 E 2 7109 C 1
 2149 E 3 7110 C 1
 2151 E 4 7112 B 2
 2152 E 4 7113 C 2
 3101 B 2 7114 E 3
 3104 C 4 7115 E 3
 3106 D 4 7116 E 4
 3108 D 1 7118 D 4
 3111 E 1 8110 B 1
 3112 E 1 9100 E 4
 3115 C 3 9101 F 4
 3117 F 3 9102 E 3
 3124 B 1 9103 E 4
 3125 B 1 9104 C 4
 3126 B 1 9106 E 3
 3128 C 2 9107 B 3
 3130 B 2 9109 D 3
 3132 B 1 9110 D 3
 3133 E 4 9111 D 3
 3134 E 2 9112 C 2
 3135 E 2 9113 E 2
 3138 E 2 9114 E 2
 3140 E 1 9115 D 3
 3141 F 2
 3142 F 3
 3143 F 3
 3145 B 1
 3146 E 3
 3147 D 3
 3150 D 4
 3152 D 4
 3157 B 3
 3162 C 2
 3165 C 2
 3191 B 4

△: ONLY FOR AUTOSTORE SETS (AS9600)
 X: NOT FOR AUTOSTORE SETS
 *: ONLY FOR /17 UNITS
 ●: NOT FOR /17
 #: NOT FOR /01 /10 AND /17 UNITS
 †: ONLY FOR /10 UNITS
 ◆: FOR EXTERNAL LOOP SUPPLY (AS9400) (AS9500)
 ⊙: ONLY FOR /01 UNITS



2102 B 2 3156 C 2
 2103 B 3 3158 C 1
 2107 D 1 3159 F 3
 2108 C 2 3161 C 3
 2110 C 2 3163 F 1
 2112 D 4 3192 F 3
 2113 D 3 3193 F 1
 2114 D 4 3195 B 1
 2115 F 3 7117 D 2
 2116 D 3 7119 E 3
 2120 D 2 7120 D 1
 2129 D 2 7130 F 2
 2131 D 2
 2132 E 1
 2133 D 1
 2134 C 3
 2137 C 3
 2138 C 4
 2141 D 2
 2143 C 3
 2147 E 2
 2148 E 2
 2150 E 1
 2153 E 2
 2154 E 2
 2155 E 2
 2156 D 2
 2158 C 3
 2159 C 1
 2160 D 1
 2161 D 3
 2164 C 3
 2165 F 3
 2168 E 2
 2169 F 1
 2190 B 1
 2191 B 1
 3100 C 2
 3102 B 2
 3103 C 2
 3107 C 3
 3109 D 3
 3110 D 2
 3113 B 2
 3114 C 2
 3116 C 2
 3118 D 2
 3119 D 2
 3120 D 2
 3121 D 2
 3122 D 1
 3123 D 3
 3129 B 3
 3131 C 3
 3136 E 2
 3137 E 2
 3139 E 1
 3144 F 2
 3148 D 3
 3149 C 4
 3151 D 1
 3154 D 2
 3155 E 2

△: ONLY FOR AUTOSTORE SETS (AS9600)
 X: NOT FOR AUTOSTORE SETS
 *: ONLY FOR /17 UNITS
 #: NOT FOR /10 AND /17 UNITS
 †: ONLY FOR /10 UNITS

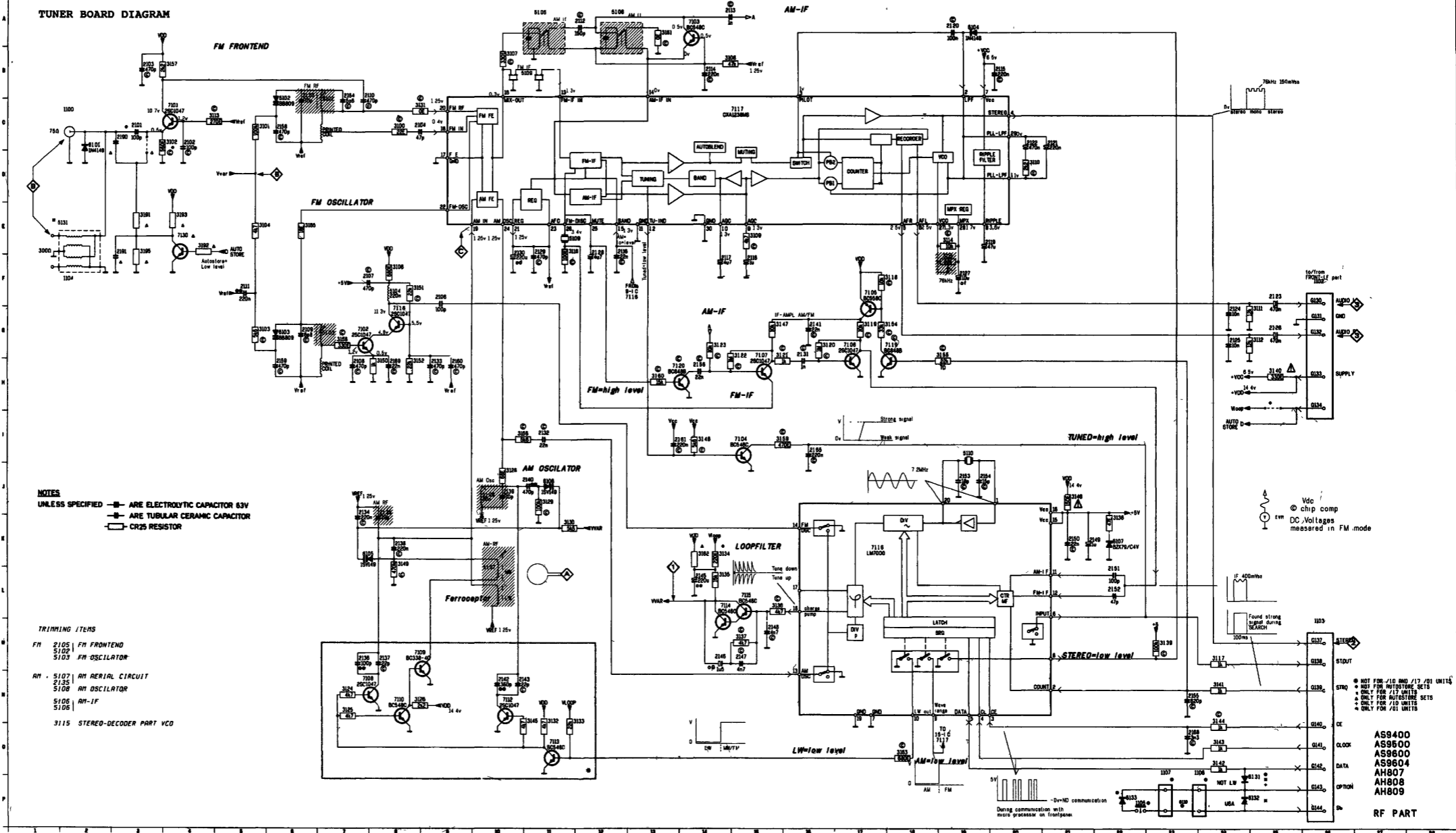
SK...	FREQUENCY	I/P	DISPLAY	ADJUST	O/P	SCOPE/METER
Varicap alignment						
FM 87.5-108MHz			108MHz 87.5MHz	5103 check	1	8V 2.9V ± 0.3V
LW 148-284kHz			284kHz	5108		8.5V
MW 522-1611kHz (530-1700kHz)			1611kHz (1700kHz)	2139	3	7.8V # 8.5V + (8.0V)
			522kHz (530kHz)	5108		1.2V # (1.0V)
FM-RF						
FM	87.5MHz mod = 1kHz Δf = 22.5kHz	B	87.5MHz	5102	3	max.
	108MHz mod = 1kHz f = 22.5kHz		108MHz	2105		
Stereo decoder						
FM	98MHz carrier 1mV	B	98MHz	3115	2	76 ± 0.2kHz
AM-IF						
MW	450kHz \$ Δf = 10kHz 50Hz	C	522kHz (530kHz)	5106 5105	3	Symmetrical max to min
AM-RF						
LW *	200kHz	A	200kHz	5107	3	max.
	558kHz (560kHz)		558kHz (560kHz)	5107		
MW *	1494kHz (1600kHz)	1494kHz (1600kHz)	2135			

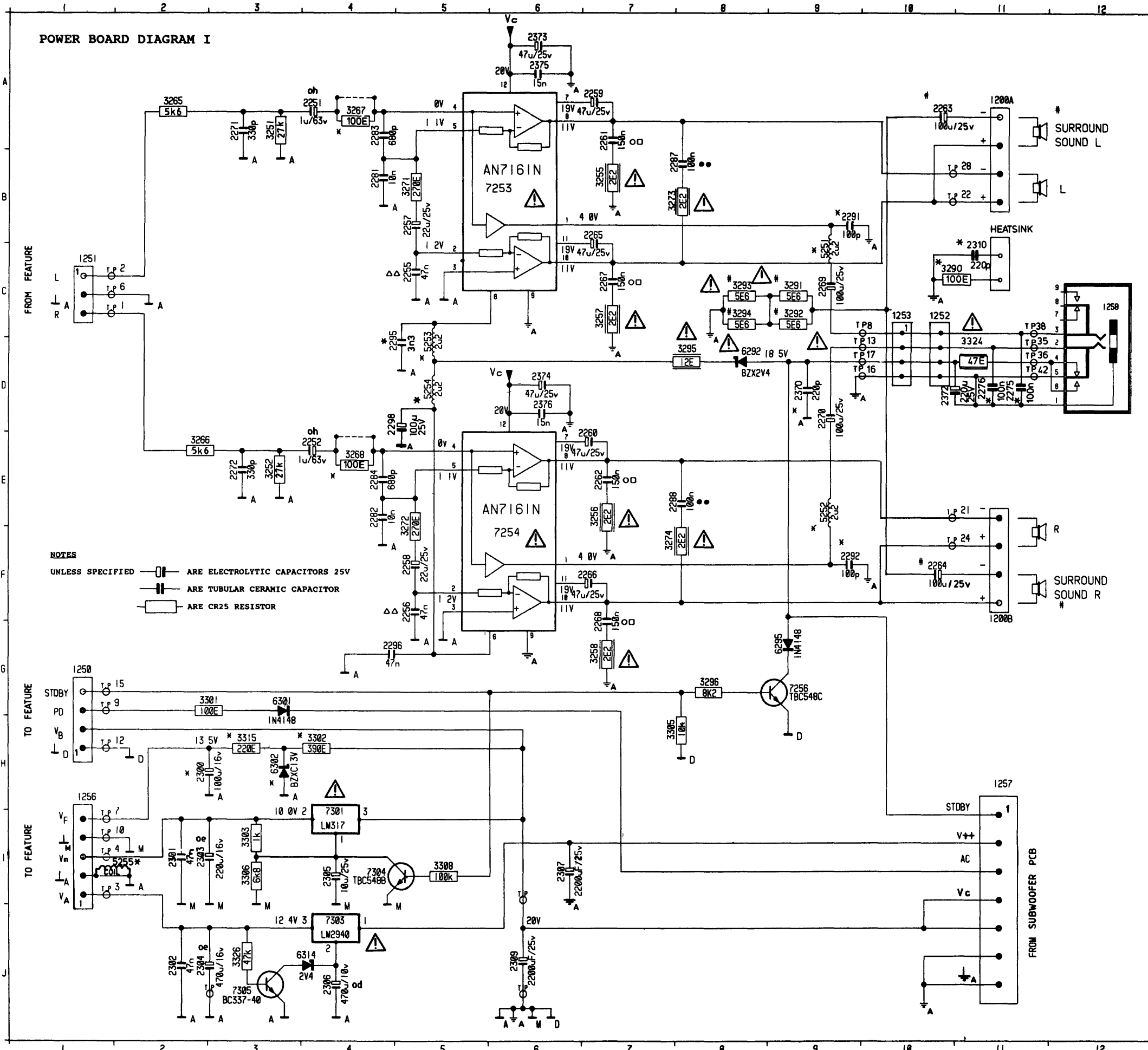
* Mod 1kHz 30% AM
 \$ via 100nF
 (..) Grid 10kHz for -/21/37 only
 + For LW version only
 # Not for LW version

Repeat

7101	7102
e : 0.5V	e : 0.5V
b : 1.2V	b : 1.2V
c : 10.7V	c : 4.8V
7103	7118
e : 0V	e : 4.8V
b : 0.5V	b : 5.5V
c : 0.5V	c : 11.3V
7116	7117
1 : 1.7V	1 : 1.0V
2 : -	2 : 1.4V
3 : -	3 : 1.0V
4 : -	4 : 3.2V
5 : -	5 : 2.5V
6 : 0.2V	6 : 2.5V
7 : 0V	7 : 6.5V
8 : 0.2V	8 : 3.6V
9 : 1.3V	9 : 1.3V
10 : 0.7V	10 : 1.3V
11 : 0.1V	11 : 0V
12 : 0.1V	12 : 0.1V
13 : 0.1V	13 : 1.3V
14 : 2.8V	14 : 0V
15 : 5.6V	15 : 1.3V
16 : 5.6V	16 : 0.3V
17 : -	17 : 0V
18 : 1.0V	18 : 0.4V
19 : 0V	19 : 1.25V
20 : 0.9V	20 : 1.25V
	21 : 1.25V
	22 : 1.25V
	23 : 1.25V
	24 : 1.25V
	25 : 0.2V
	26 : 3.4V
	27 : 1.3V
	28 : 1.7V
	29 : 0V
	30 : 0V

...V measured in tuner FM on position





NOTES

- UNLESS SPECIFIED ARE ELECTROLYTIC CAPACITORS 25V
- ARE TUBULAR CERAMIC CAPACITOR
- ARE CR25 RESISTOR

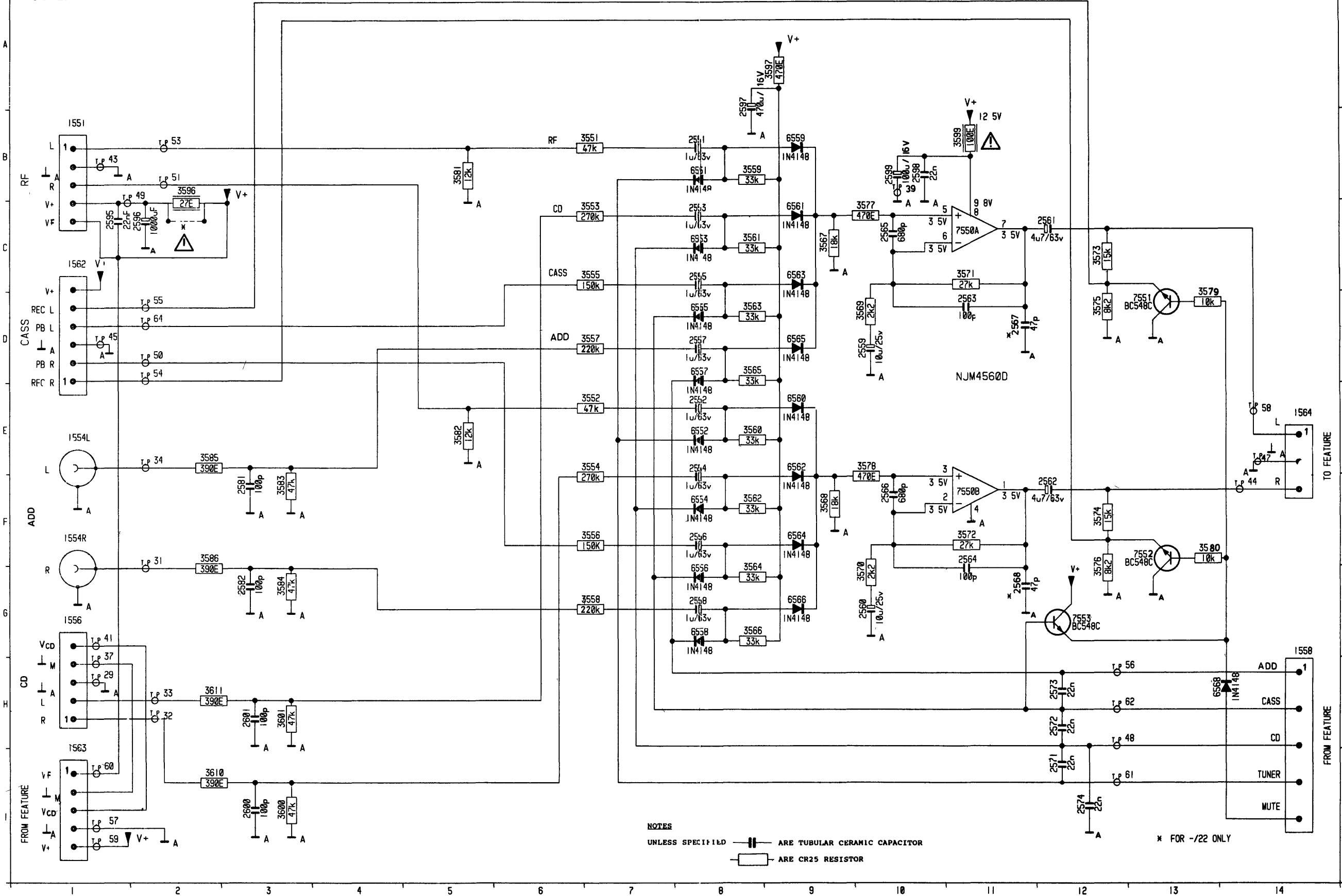
FROM FEATURE
TO FEATURE
TO FEATURE

TO FEATURE
TO FEATURE

1200A
1200B
1200C
1200D
1200E
1200F
1200G
1200H
1200I
1200J
1200K
1200L
1200M
1200N
1200O
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1200Q
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1200BX
1200BY
1200BZ
1200CA
1200CB
1200CC
1200CD
1200CE
1200CF
1200CG
1200CH
1200CI
1200CJ
1200CK
1200CL
1200CM
1200CN
1200CO
1200CP
1200CQ
1200CR
1200CS
1200CT
1200CU
1200CV
1200CW
1200CX
1200CY
1200CZ
1200DA
1200DB
1200DC
1200DD
1200DE
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1200DM
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1200DO
1200DP
1200DQ
1200DR
1200DS
1200DT
1200DU
1200DV
1200DW
1200DX
1200DY
1200DZ
1200EA
1200EB
1200EC
1200ED
1200EE
1200EF
1200EG
1200EH
1200EI
1200EJ
1200EK
1200EL
1200EM
1200EN
1200EO
1200EP
1200EQ
1200ER
1200ES
1200ET
1200EU
1200EV
1200EW
1200EX
1200EY
1200EZ
1200FA
1200FB
1200FC
1200FD
1200FE
1200FF
1200FG
1200FH
1200FI
1200FJ
1200FK
1200FL
1200FM
1200FN
1200FO
1200FP
1200FQ
1200FR
1200FS
1200FT
1200FU
1200FV
1200FW
1200FX
1200FY
1200FZ
1200GA
1200GB
1200GC
1200GD
1200GE
1200GF
1200GG
1200GH
1200GI
1200GJ
1200GK
1200GL
1200GM
1200GN
1200GO
1200GP
1200GQ
1200GR
1200GS
1200GT
1200GU
1200GV
1200GW
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1200GY
1200GZ
1200HA
1200HB
1200HC
1200HD
1200HE
1200HF
1200HG
1200HH
1200HI
1200HJ
1200HK
1200HL
1200HM
1200HN
1200HO
1200HP
1200HQ
1200HR
1200HS
1200HT
1200HU
1200HV
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FOR -/37 ONLY
 * FOR -/22 ONLY
 ⊥_A SUPPLY GND
 ⊥_D DIGITAL GND
 ⊥_A SIGNAL GND
 ⊥_M MOTOR GND

POWER BOARD DIAGRAM II

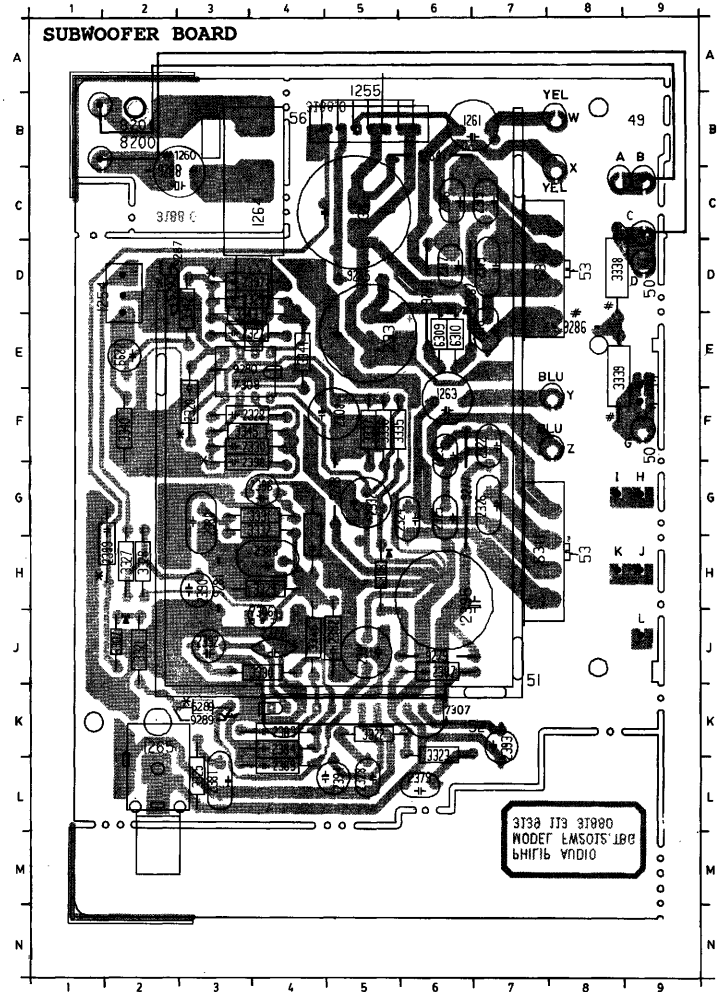


NOTES
 UNLESS SPECIFIED ARE TUBULAR CERAMIC CAPACITOR
 ARE CR25 RESISTOR

* FOR -22 ONLY

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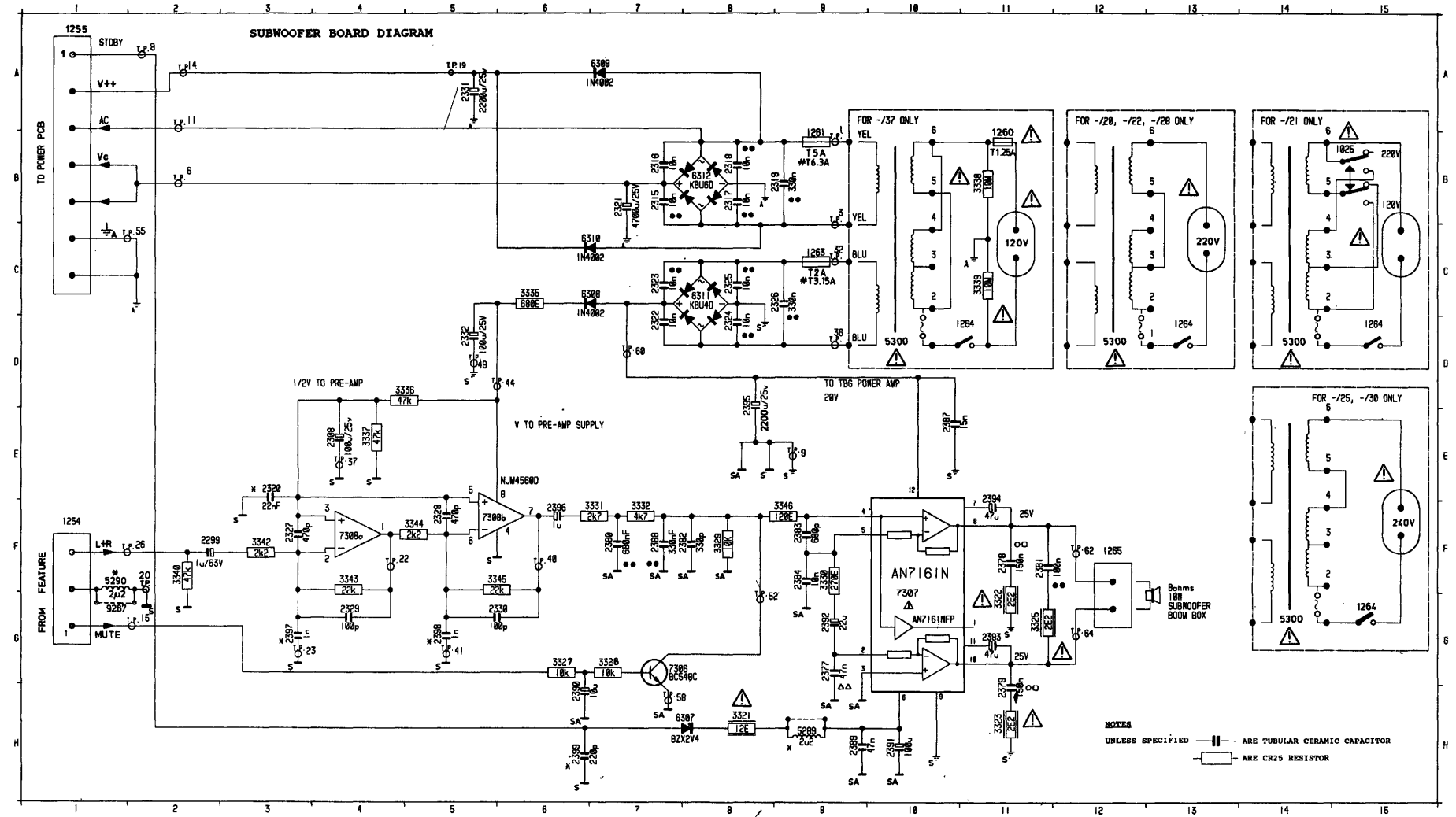
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0049	B9	1265	K2	2327	E3	2388	H4	3325	L3	3344	E4	8201	B2
0050	D9	2299	E2	2328	F3	2389	L4	3327	H2	3345	F3	9277	G6
0050	F9	2308	F5	2329	D3	2390	H3	3328	H2	3346	J4	9278	G5
0051	J7	2315	C7	2330	F3	2391	J5	3329	H4	5289	K3	9279	J6
0052	K6	2316	C6	2331	E5	2392	J3	3330	J4	5290	D2	9280	E3
0053	D8	2317	D6	2332	G5	2393	K7	3331	G4	6307	J2	9281	H3
0053	H8	2318	E7	2377	J4	2394	L5	3332	G4	6308	H5	9282	D7
0056	B4	2319	D7	2378	L5	2395	H6	3335	F5	6309	E6	9283	D6
1254	D1	2320	F3	2379	L6	2396	G4	3336	F5	6310	E6	9284	B6
1255	A5	2321	C5	2380	G3	2397	D3	3337	F5	6311	H7	9285	D5
1260	B2	2322	F7	2381	L3	2398	F3	3338	D8	6312	D7	9286	E8
1260	B3	2323	F6	2382	J5	2399	H1	3339	E8	7306	J4	9287	J4
1261	B6	2324	G5	2383	K4	3321	J2	3340	F2	7307	K6	9288	B2
1263	F6	2325	G6	2384	K4	3322	K5	3342	D3	7308	E3	9289	K3



NOTE
* FOR -/22 ONLY
FOR -/37 ONLY

- V++ : 20.0V
- 7161
- 1 : 3.9V
 - 2 : 1.3V
 - 3 : 0V
 - 4 : 0.75V
 - 5 : 1.3V
 - 6 : 17.6V
 - 7 : 16.8V
 - 8 : 4.7V
 - 9 : 0V
 - 10 : 9.7V
 - 11 : 16.8V
 - 12 : 17.4V
- 7550
- 1 : 7.0V
 - 2 : 7.0V
 - 3 : 7.0V
 - 4 : 0V
 - 5 : 7.0V
 - 6 : 7.0V
 - 7 : 7.0V
 - 8 : 14.0V
-V
- measured in CD mode, power on position

1254	F1	1264	D11	2299	B9	2317	D6	2321	C7	2326	G7	2327	H2	2328	H2	2329	H3	2330	J4	2331	G4	2332	G4	2333	H4	2334	F3	2335	F5	2336	F5	2337	F5	2338	D8	2339	E8	2340	F2	2341	F2	2342	D3	2343	D3	2344	G5	2345	G6	2346	G6	2347	G6	2348	G6	2349	G6	2350	G6	2351	G6	2352	G6	2353	G6	2354	G6	2355	G6	2356	G6	2357	G6	2358	G6	2359	G6	2360	G6	2361	G6	2362	G6	2363	G6	2364	G6	2365	G6	2366	G6	2367	G6	2368	G6	2369	G6	2370	G6	2371	G6	2372	G6	2373	G6	2374	G6	2375	G6	2376	G6	2377	G6	2378	G6	2379	G6	2380	G6	2381	G6	2382	G6	2383	G6	2384	G6	2385	G6	2386	G6	2387	G6	2388	G6	2389	G6	2390	G6	2391	G6	2392	G6	2393	G6	2394	G6	2395	G6	2396	G6	2397	G6	2398	G6	2399	G6	2400	G6
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NOTE:

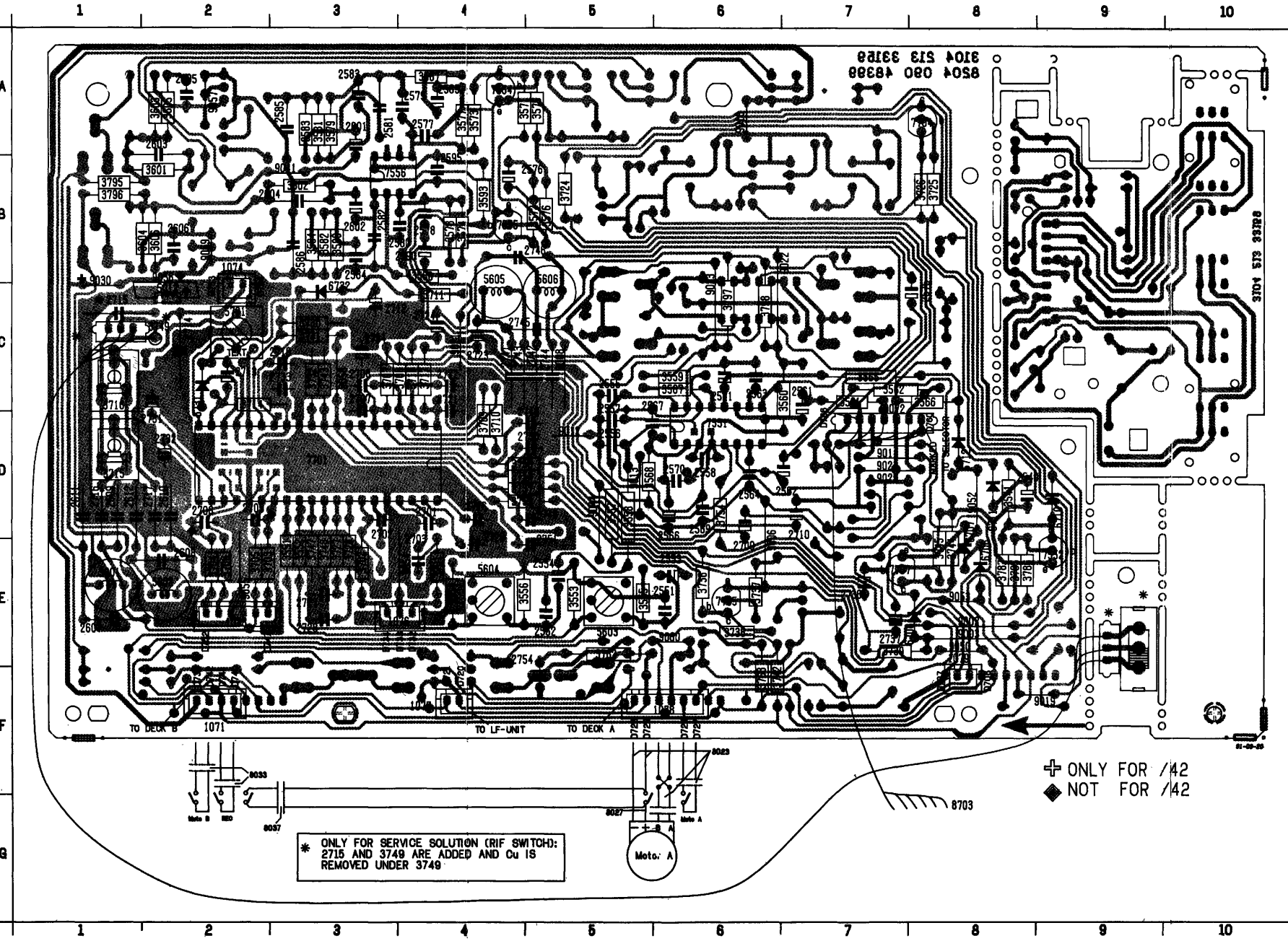
- POWER-AMP / SUPPLY GND
- SUBWOOFER OUTPUT GND
- PRE-AMP INPUT GND
- SUBWOOFER INPUT GND

* FOR -/22 & -/28
FOR -/37 ONLY

NOTES
UNLESS SPECIFIED
- ARE TUBULAR CERAMIC CAPACITOR
- ARE CR25 RESISTOR

RECORDER BOARD

0072 C 7 2727 E 3 3724 B 5 9044 D 5
 1071 F 2 2728 E 3 3725 B 8 9050 E 8
 1073 D 2 2731 D 2 3726 B 8 9052 D 8
 1074 E 2 2732 E 3 3727 E 3 9053 E 8
 1076 F 4 2733 C 3 3728 C 3 9054 E 4
 1077 F 4 2734 C 3 3730 C 3 9055 E 2
 1078 F 6 2736 E 3 3731 C 3 9056 B 2
 1079 F 8 2737 E 3 3732 C 3 9057 R 2
 2540 D 8 2741 C 3 3736 E 6 9058 C 3
 2551 E 6 2742 C 3 3737 E 6 9059 B 2
 2552 E 5 2743 C 3 3738 E 6 9060 E 6
 2553 E 6 2744 C 3 3739 E 7
 2554 E 5 2745 C 3 3742 F 7
 2555 C 5 2746 B 5 3743 C 3
 2556 D 5 2748 D 5 3744 E 8
 2557 D 5 2749 D 5 3745 E 8
 2558 D 6 2750 D 5 3747 E 3
 2561 C 7 2751 E 3 3748 E 3
 2562 D 7 2754 E 3 3749 C 2
 2563 C 6 3541 D 8 3754 D 6
 2564 D 6 3551 E 3 3756 D 4
 2566 E 6 3552 E 3 3757 D 4
 2567 C 6 3553 E 3 3758 D 4
 2569 D 6 3554 E 3 3759 D 4
 2570 D 6 3555 E 3 3762 E 5
 2571 C 6 3556 E 3 3763 F 6
 2575 C 8 3557 D 5 3785 E 8
 2576 B 5 3558 D 5 3786 E 8
 2577 A 4 3559 C 3 3787 E 8
 2578 B 4 3560 C 3 3795 B 1
 2579 A 4 3561 C 3 3796 B 1
 2580 A 4 3562 C 3 3797 C 6
 2581 A 3 3565 C 3 3798 C 6
 2582 B 3 3566 C 3 5012 C 2
 2583 A 3 3567 C 3 5601 E 1
 2584 B 3 3568 D 6 5602 E 2
 2585 A 3 3571 A 5 5603 E 5
 2586 B 3 3572 B 5 5604 E 4
 2589 A 4 3573 A 4 5605 B 4
 2590 A 4 3574 B 4 5606 B 5
 2595 A 4 3575 A 5 5701 C 2
 2601 A 3 3576 B 5 5706 E 8
 2602 C 3 3577 A 4 6707 D 8
 2603 A 2 3578 B 4 6708 E 8
 2604 A 3 3579 B 3 6710 D 9
 2605 A 2 3580 B 3 6711 D 8
 2606 B 2 3581 A 3 6712 D 8
 2607 E 1 3582 B 3 6731 C 2
 2608 E 2 3583 A 3 6732 C 3
 2609 D 1 3584 B 3 7551 D 6
 2610 D 2 3587 A 4 7552 E 9
 2611 D 1 3588 B 4 7554 B 4
 2612 D 1 3593 B 4 7555 B 4
 2701 D 4 3601 B 2 7556 B 3
 2702 D 3 3602 B 3 7701 D 3
 2703 E 4 3603 B 2 7704 E 8
 2705 D 2 3604 B 2 7705 E 7
 2706 D 2 3605 B 2 7707 E 7
 2707 C 3 3606 B 2 8703 G 8
 2708 C 3 3701 E 4 9002 E 8
 2709 E 6 3702 E 3 9003 E 8
 2710 D 7 3703 E 3 9006 D 6
 2712 C 3 3704 E 2 9008 C 5
 2713 C 2 3705 E 2 9012 D 5
 2714 C 2 3706 E 2 9013 D 5
 2715 C 1 3707 C 3 9014 D 7
 2716 D 1 3708 C 4 9018 B 6
 2717 D 2 3709 D 4 9019 F 9
 2719 C 3 3710 D 4 9021 C 4
 2721 C 4 3711 C 4 9022 B 7
 2722 C 4 3714 C 2 9023 B 6
 2723 C 4 3715 D 1 9024 D 7
 2724 C 4 3716 C 1 9025 D 7
 2725 E 4 3717 C 4 9030 C 1
 2726 D 4 3718 C 4 9041 B 3



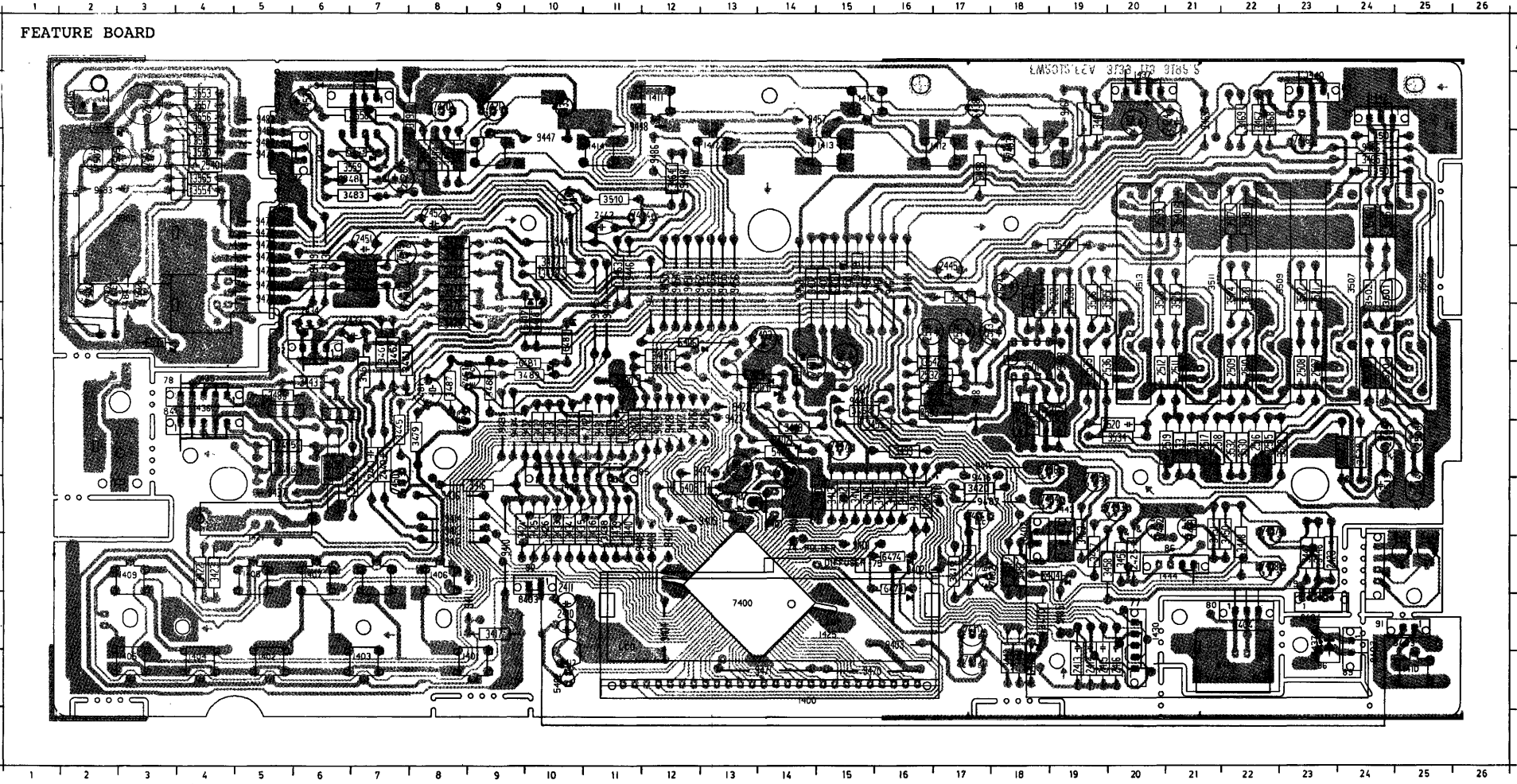
Adjust	Voltage across the Recording head
3715	8.7mV
3716	8.7mV

	7701		7551	7556
1 :	5.9V	20 :	11.7V	1 : 5.9V
2 :	5.9V	21 :	5.9V	2 : 5.9V
3 :	5.9V	22 :	5.9V	3 : 5.9V
4 :	5.9V	23 :	5.9V	4 : 5.9V
5 :	5.9V	24 :	5.9V	5 : 0Vdn
6 :	5.9V	25 :	5.9V	12.7Vdi
7 :	9.6V	26 :	5.9V	6 : 5.9V
	0.1V	27 :	5.9V	7 : 0.4V
8 :	10.3V	28 :	5.9V	8 : 5.9V
	0.1V	29 :	5.9V	9 : 5.9V
9 :	10.2V	30 :	5.9V	10 : 0.4V
10 :	0V	31 :	5.9V	11 : 5.9V
	5.5Vrec	32 :	6.0V	12 : 0V
11 :	0.3V	33 :	6.0V	3.9Vrec
12 :	5.9V	34 :	5.9V	11.0V
13 :	0V	35 :	5.7V	13 : 12.0V
14 :	11.7V	36 :	5.9V	14 : 5.9V
15 :	5.1V	37 :	5.8V	15 : 0V
16 :	11.7V	38 :	5.9V	16 : 5.9V
17 :	0V	39 :	5.2V	
18 :	11.0V	40 :	6.2V	
19 :	0.7V			
	7704	7705	7707	
e :	0V	e :	0V	e : 12.2rec
b :	0V	b :	0V	11.5V
	0.7V		0.7V	0V
c :	12.4V	c :	10.2V	b : 11.9V
	0.1V		0.1V	10.9V
				0V
				11.4V
	7552	7555		
e :	0V	e :	5.9V	
b :	0V	b :	6.6V	
			0.3Vrec	
c :	11.6V	c :	5.9V	
			0.1Vrec	
....V	measured in tape on position			
...V	measured in tape A play position			
...V	measured in tape dubbing on position			
....Vrec	measured in tape recording position			
....Vdn	measured in dolby on position			
....Vdf	measured in dolby off position			

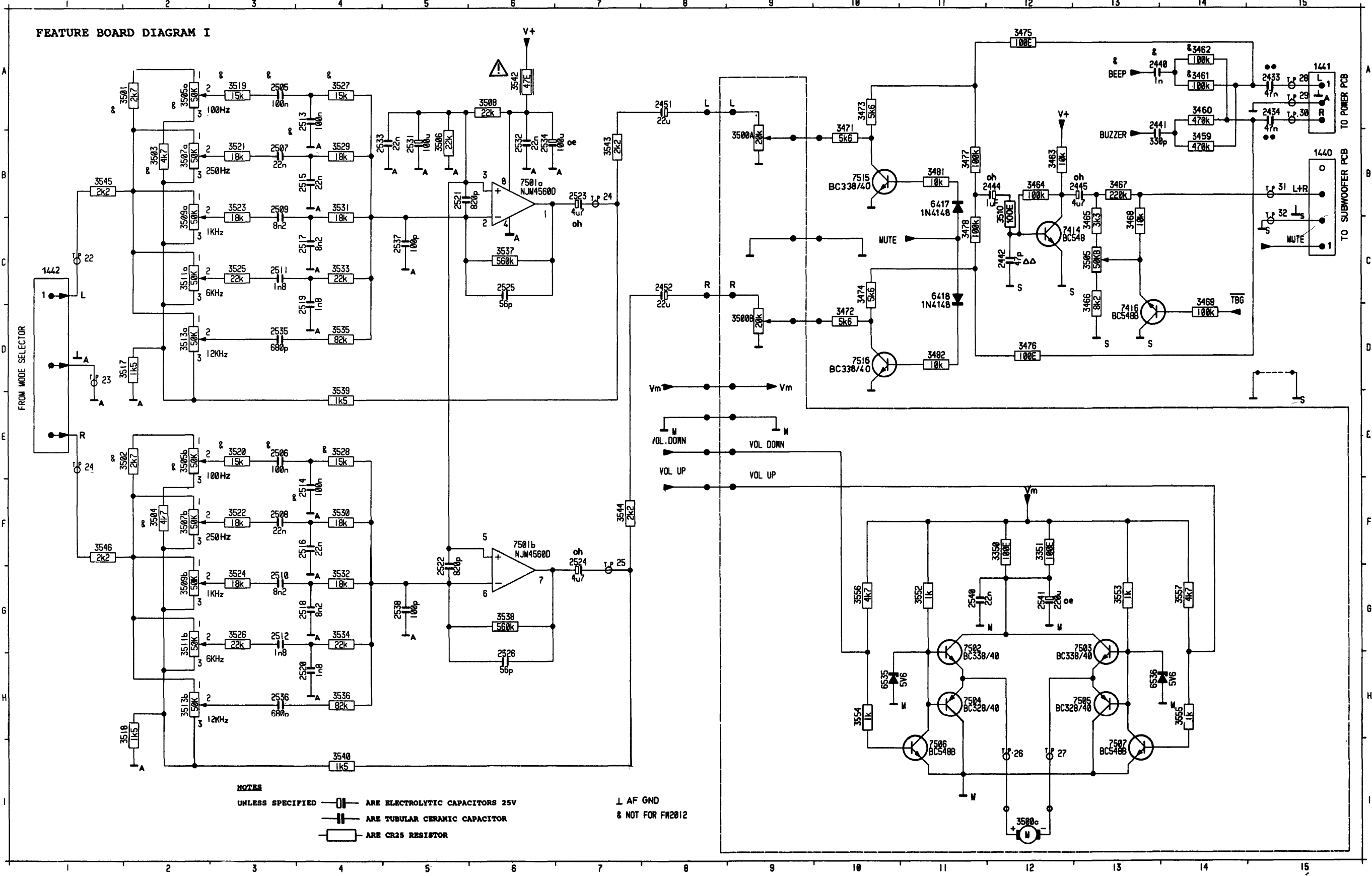
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0074	J14	1405	M3	1438	B7	2425	K20	2519	H21	3411	J15	3438	J11	3464	C12	3492	C8	3522	E23	3553	B4	6439	B10	7420	G5	9409	K11	9437	J5	9466	B24
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1403	M7	1433	L23	1464	M20	2451	L10	2545	E18	3437	L10	3464	K18	3490	B22	3518	D3	3548	H21	3579	E1B	6465	G14	7446	H15	9435	J17	9463	D10	9492	M14

+5 : 5V		7501			
V+ : 12.5V	1 : 6.0V	5 : 6.0V			
VA : 12.7V	2 : 6.0V	6 : 6.0V			
Vm : 10.0V	3 : 6.0V	7 : 6.0V			
	4 : 0V	8 : 12.5V			
7401	7403	7404	7405	7406	
e : 5.7V	e : 0V	e : 0V	e : 0V	e : 0V	
b : 6.3V	b : 0.25V	b : 0.8V	b : 0.23V	b : -0.4V	
c : 20.0V	c : 2.2V	c : 2.2V	c : 2.3V	c : 4.2V	
7407	7408	7410	7411	7412	
e : 5.0V	e : 0.74V	e : 9.0V	e : 9.0V	e : 10.0V	
b : 4.9V	b : 0.1V	b : 8.3V	b : 8.4V	b : 9.2V	
c : 0V	c : 0V	c : 8.9V	c : 8.3V	c : 9.8V	
7414	7419	7420	7421	7443	
e : 0V	e : 12.7V	e : 0V	e : 0V	e : 0V	
b : 0.6V	b : 12.0V	b : 0.6V	b : 0V	b : 0.8V	
e : 1.0V	c : 12.5V	c : 0V	c : 2.2V	c : 2.2V	
7444	7447	7450	7452		
e : 0V	e : 5.0V	e : 0V	e : 0V		
b : 0.6V	b : 4.4V	b : 0.7V	b : 0.7V		
c : 0.22V	c : 0V	c : 0.4V	c : 0.87V		
7502	7503	7504			
e : 0.7Vup	e : 5.1Vup	e : 0.7Vup			
b : 5.1Vdn	b : 0.7Vdn	b : 5.1Vdn			
c : 0.36Vup	c : 5.7Vup	c : 0.36Vup			
b : 5.7Vdn	b : 0.36Vdn	b : 5.7Vdn			
c : 8.5V	c : 8.5V	c : 0V			
7505	7506	7507			
e : 5.1Vup	e : 0V	e : 0V			
b : 0.7Vdn	b : 0.7Vup	b : 0.2Vup			
c : 5.7Vup	c : 0.2Vdn	c : 0.7Vdn			
b : 0.36Vdn	b : 0.36Vup	b : 0.36Vup			
c : 0V	c : 5.7Vdn	c : 5.7Vdn			

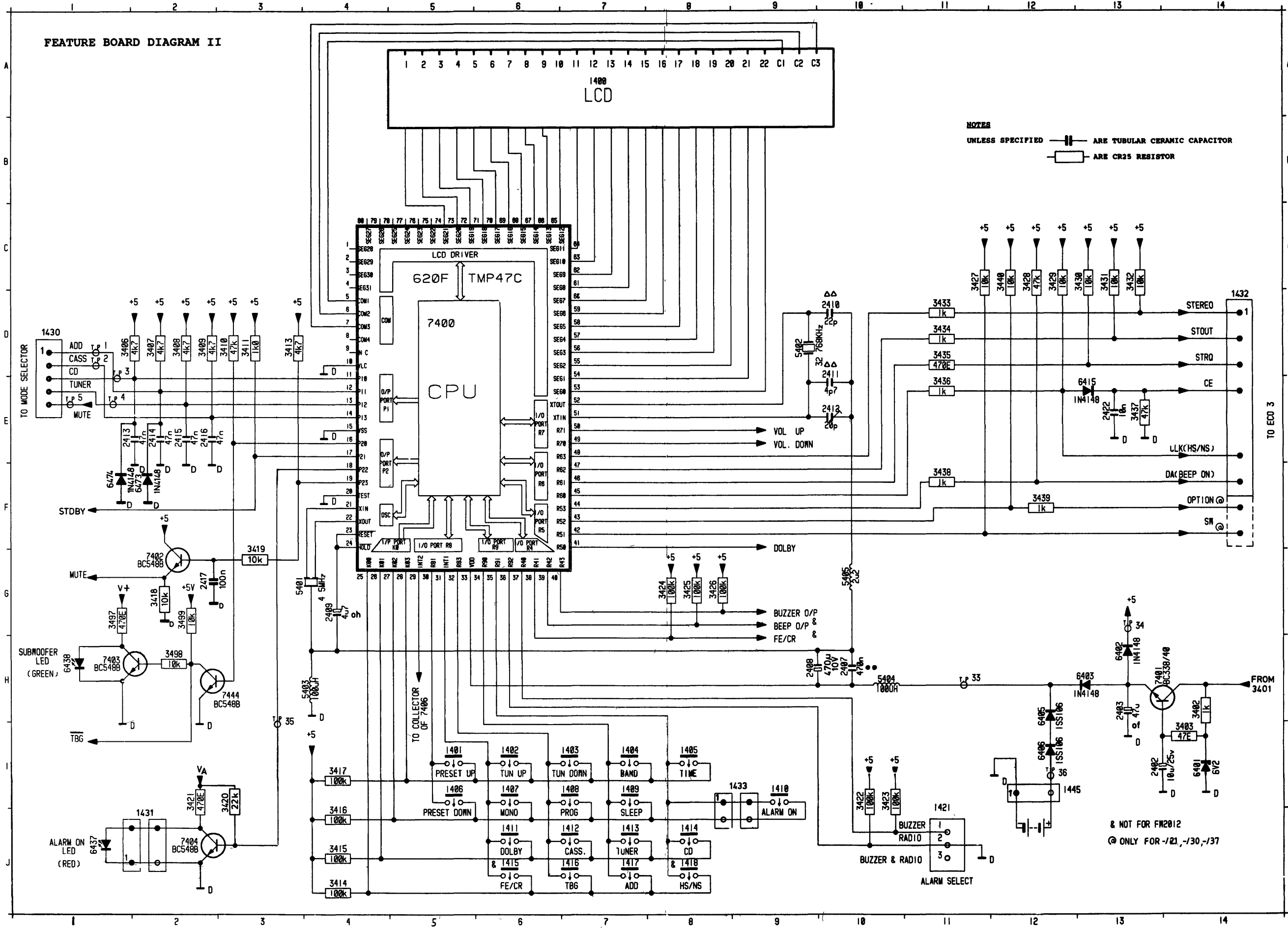
....V measured in CD mode, power on position
Vup measured in CD mode, volume up position
Vdn measured in CD mode, volume down position
Val measured in CD mode, alarm on position
V measured in CD mode, subwoofer on position
V measured in CD mode, dolby on position



1440	B15	2442	C12	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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FEATURE BOARD DIAGRAM II

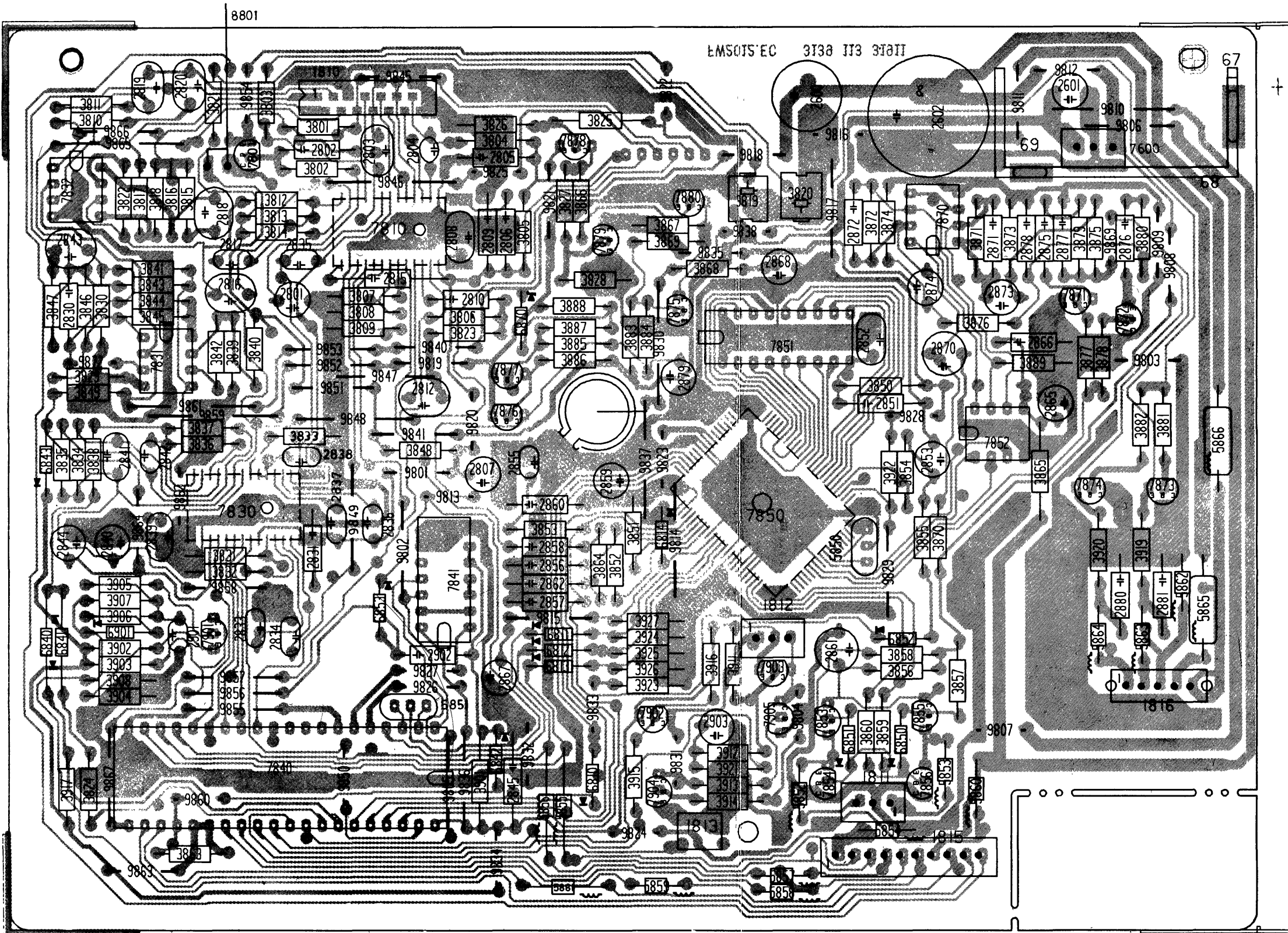


NOTES
 UNLESS SPECIFIED ARE TUBULAR CERAMIC CAPACITOR
 ARE CR25 RESISTOR

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CDE BOARD

AMSOTS'EC 3138 IT3 3TATT



0067	B17	3831	H4	6841	J2
0068	C16	3832	H4	6842	L7
0069	C14	3833	F5	6843	G2
1810	B5	3834	G2	6850	K12
1811	L12	3835	G2	6850	K12
1812	J11	3836	G4	6852	J2
1813	L10	3837	F4	6853	J6
1815	L13	3838	G2	7600	C16
1816	K16	3839	E4	7801	C4
2600	B11	3840	E4	7810	D6
2601	B15	3841	D3	7830	G4
2602	C13	3842	E4	7831	F3
2801	E5	3843	E3	7832	C2
2802	C5	3844	E3	7840	L4
2803	C6	3845	E3	7841	H7
2804	C6	3846	E2	7850	G11
2805	C7	3848	G6	7851	L11
2806	D7	3849	F2	7851	E11
2807	C7	3850	F12	7852	G14
2808	D7	3851	H9	7853	K11
2809	D7	3852	H9	7855	K13
2810	E7	3853	H8	7856	L13
2812	F6	3853	G13	7870	D13
2815	E6	3854	G13	7871	E15
2816	E4	3855	H13	7872	E15
2817	D4	3856	J12	7873	G16
2818	D4	3857	K13	7874	G15
2819	B3	3858	J12	7875	E10
2820	B3	3859	K12	7876	F7
2830	E2	3860	K12	7877	F7
2831	H5	3863	M3	7878	C8
2833	J4	3864	H9	7879	D9
2834	J4	3865	G14	7880	D10
2835	D5	3866	D8	7901	J4
2836	H6	3867	D9	7902	K9
2837	G5	3868	D10	7903	J11
2838	G5	3869	D9	7904	L9
2839	H3	3870	H13	7905	K14
2840	H2	3871	D13	8801	A4
2841	G3	3872	D12	9801	J3
2842	G3	3873	D14	9801	G6
2843	D2	3874	D12	9802	H6
2844	H2	3875	D15	9803	F16
2845	L7	3876	E13	9804	K11
2851	F12	3877	F15	9805	L7
2852	E12	3878	F15	9806	C15
2853	C7	3879	D15	9807	K14
2856	H8	3880	D16	9808	D16
2857	J8	3881	F16	9809	D16
2858	H8	3882	F16	9810	B15
2859	G9	3883	E9	9811	B14
2860	G8	3884	E9	9812	B15
2861	J12	3885	E8	9813	G7
2862	H8	3886	F8	9814	H10
2865	F14	3887	E8	9815	J8
2866	E14	3888	E8	9816	C12
2867	J7	3889	F14	9817	D12
2868	D11	3901	L7	9818	L7
2870	E13	3902	J3	9819	F6
2871	D14	3903	J3	9820	F7
2872	D12	3904	K3	9821	D8
2873	E14	3905	H3	9822	B9
2874	E13	3906	J3	9823	G9
2875	D14	3907	H3	9824	L9
2876	D15	3908	K3	9825	C7
2877	D14	3911	J10	9826	K6
2878	D14	3912	K10	9827	J6
2879	F10	3913	L10	9828	F13
2880	J15	3914	L10	9829	H12
2881	J16	3915	L9	9830	E9
2901	J4	3916	J10	9832	K8
2902	J7	3917	L2	9833	K8
2903	K10	3919	H16	9834	M7
3487	E2	3920	H15	9835	D10
3802	C5	3921	L10	9836	L7
3803	B4	3922	G12	9837	G9
3804	C7	3923	K9	9838	D11
3805	D8	3924	J9	9840	E6
3806	E7	3925	J9	9841	F6
3807	E6	3926	J9	9845	B6
3808	E6	3927	J9	9846	C6
3809	E6	5850	H12	9847	F6
3810	C5	5851	K7	9848	F5
3810	B2	5852	L11	9849	H5
3811	B2	5853	L13	9850	L5
3812	D5	5854	L12	9851	F5
3813	D5	5855	L8	9852	F5
3814	D5	5856	L8	9853	E5
3815	D3	5857	M11	9854	B4
3816	D3	5858	M11	9855	K4
3817	D3	5859	M9	9856	K4
3818	D3	5860	L13	9857	K4
3819	D11	5861	M8	9858	H4
3820	D11	5862	H16	9859	F4
3821	B4	5863	J16	9860	L4
3822	D3	5864	J15	9861	F3
3823	E7	5865	J16	9862	G3
3824	L2	5866	G16	9863	M3
3825	C9	6810	L8	9864	H3
3826	C7	6811	J8	9865	C3
3827	D8	6812	J8	9866	C3
3828	E8	6813	J8	9867	L2
3829	F2	6814	H9	9869	D15
3830	E2	6840	J2	9872	F2

& NOT FOR FW2012

CD adjustment	Adjust	Adjust to	Measured across
Laser current	3820	50mV ± 2 5mV	3801 (connector 1801 pin 1 & 2)
Focus offset	3819	400mV ± 40mV	2816 (connector 1801 pin 3 & 4)

+5 : 5V
 +5C : 1.6V
 +5D : 1.6V
 +C : 9.2V

7831	7832	7870
1 : 3.2V	1 : 2.4V	1 : 3.9V
2 : 9.2V	2 : 9.2V	2 : 2.1V
3 : 4.0V	3 : 2.6V	3 : 2.1V
4 : 0V	4 : 0V	4 : 0V
5 : 3.6V	5 : 2.5V	5 : 2.1V
6 : 3.6V	6 : 2.5V	6 : 2.1V
7 : 3.6V	7 : 2.5V	7 : 3.9V
8 : 3.6V	8 : 2.5V	8 : 8.75V

7801	7853	7854	7855
e : 0V	e : 3.3V	e : 3.3V	e : 3.3V
b : 0.4V	b : 3.3V	b : 2.6V	b : 4.0V
c : 5.0V	c : 9.2V	c : 0V	c : 9.2V

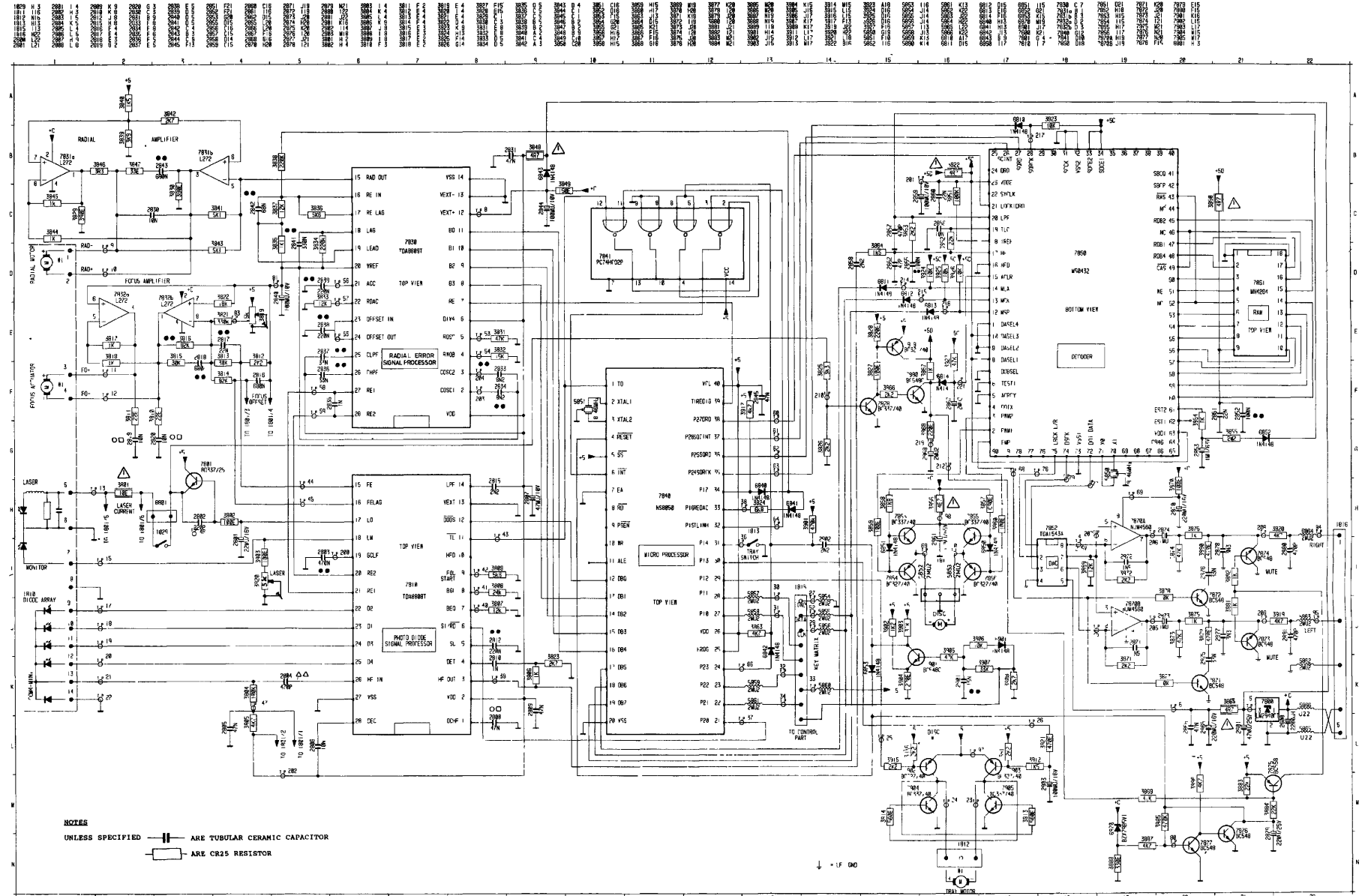
7856	7875	7876	7877
e : 3.3V	e : 5.0V	e : 0V	e : 0V
b : 3.2V	b : 4.3V	b : 0V	b : 0.7V
c : 0V	c : 4.8V	c : 4.4V	c : 0V

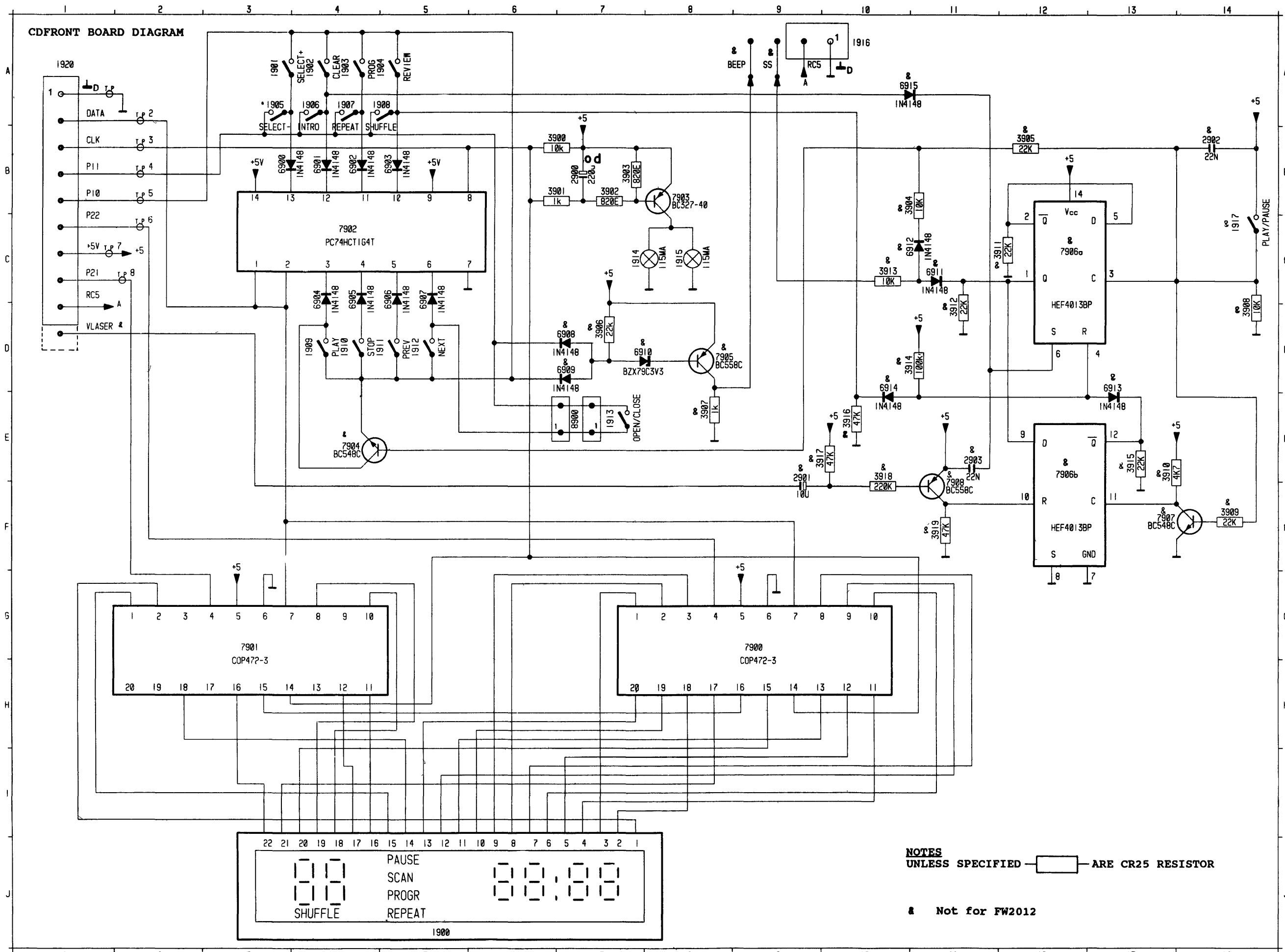
7878	7879	7880	7901
e : 0V	e : 5.0V	e : 0V	e : 0.9V
b : 0V	b : 4.6V	b : 0.7V	b : 0V
c : 4.5V	c : 1.5V	c : 0.14V	c : 5.0V

7902/7903	7904/7905	7600
e : 5.0V	e : 0V	1 : 9.2V
b : 5.0V	b : -1.0V	2 : 0V
c : -1.0V	c : -1.0V	3 : 5.0V

....V measured in CD mode, power on position

CDE BOARD DIAGRAM

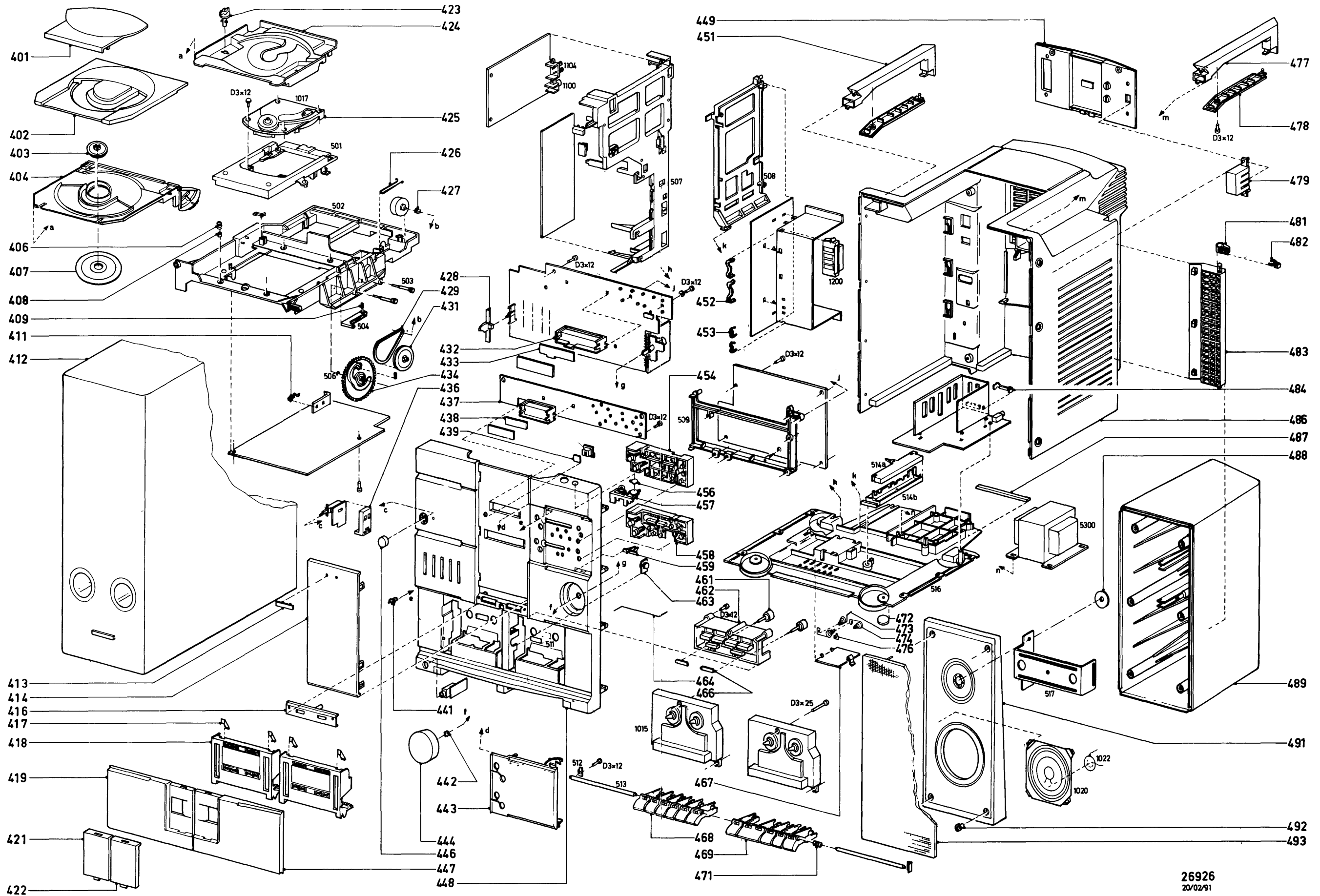




1900 J 5
 1901 A 4
 1902 A 4
 1903 A 4
 1904 A 4
 1905 A 4
 1906 A 4
 1907 A 4
 1908 A 4
 1909 A 4
 1910 D 4
 1911 D 5
 1912 D 5
 1913 D 5
 1914 D 5
 1915 D 5
 1916 D 5
 1917 D 5
 1918 D 5
 1919 D 5
 1920 D 5
 1921 D 5
 1922 D 5
 1923 D 5
 1924 D 5
 1925 D 5
 1926 D 5
 1927 D 5
 1928 D 5
 1929 D 5
 1930 D 5
 1931 D 5
 1932 D 5
 1933 D 5
 1934 D 5
 1935 D 5
 1936 D 5
 1937 D 5
 1938 D 5
 1939 D 5
 1940 D 5
 1941 D 5
 1942 D 5
 1943 D 5
 1944 D 5
 1945 D 5
 1946 D 5
 1947 D 5
 1948 D 5
 1949 D 5
 1950 D 5
 1951 D 5
 1952 D 5
 1953 D 5
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 1957 D 5
 1958 D 5
 1959 D 5
 1960 D 5
 1961 D 5
 1962 D 5
 1963 D 5
 1964 D 5
 1965 D 5
 1966 D 5
 1967 D 5
 1968 D 5
 1969 D 5
 1970 D 5
 1971 D 5
 1972 D 5
 1973 D 5
 1974 D 5
 1975 D 5
 1976 D 5
 1977 D 5
 1978 D 5
 1979 D 5
 1980 D 5
 1981 D 5
 1982 D 5
 1983 D 5
 1984 D 5
 1985 D 5
 1986 D 5
 1987 D 5
 1988 D 5
 1989 D 5
 1990 D 5

NOTES
 UNLESS SPECIFIED [] ARE CR25 RESISTOR

& Not for FW2012



26926
20/02/91

401	4822 450 61717	433	4806 450 67065	468	4822 410 61278
402	* 4822 444 60743	434	4822 522 33076	469	4822 410 61279
		436	4822 462 41809	471	4822 535 93225
403	4806 532 57144	437	4822 256 91477	472	4822 462 40683
404	4822 444 50651	438	4822 466 70666	473	4822 492 52175
406	4806 492 57173	439	4822 454 12732	474	4822 492 63982
407	4822 466 93014	441	4822 276 13079	476	4806 290 87118
408	4806 492 57208	442	4806 532 57133	477	4822 498 10415
409	4806 492 57174	443	4822 444 60744	478	4822 498 70101
411	4806 255 47047	444	4822 411 61802	479	4822 404 21082
412	* 4822 445 10279	446	4822 410 61283	481	4822 404 10846
		447	4822 443 63305	482	4822 466 93013
413	* 4822 459 11003	448	4822 426 51485	483	4822 404 10845
				484	4822 255 41035
414	4822 450 61718	449	# 4822 426 60607	486	* 4822 426 20204
416	4822 413 70275				
417	4822 492 52197	451	4822 498 10414	487	4822 462 71764
418	4822 443 63037	452	4822 255 41035	488	4822 466 93003
419	4822 443 63304	453	4822 492 63051	489	4822 445 40113
421	4822 443 63304	454	4822 410 61282		
422	4822 443 63305	456	4822 462 41811	491	* 4822 445 10277
423	4806 444 57081	457	4822 410 61281	492	4822 532 52004
424	4822 466 93004	458	4822 413 51374	493	* 4822 445 30222
425	4822 691 30247	459	4822 410 61277		
426	4806 492 67346	461	4822 380 20393		
427	4822 528 81447	462	4822 413 51373		
428	4822 411 61801	463	4806 691 17017		
429	4822 358 31132	464	4822 492 70732		
431	4806 522 37106	466	4822 413 51373		
432	4806 404 67234	467	4822 426 60605		

(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



(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 enfilier le bracelet servi 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 kann die Lebensdauer drastisch reduzieren. Veranlassen Sie, dass Sie im Reparaturfall über ein Pulsarband mit Widerstand verbunden sind mit dem gleichen Potential wie die Masse des Gerätes. Bauteile und Hilfsmittel auch auf dieses gleiche Potential halten.

(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 hetzelfde 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 cauzione alla loro manipolazione. Durante le riparazioni occorre quindi essere collegato allo stesso potenziale che quello della massa dell'apparecchio tramite un bracciale con resistenza. Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

MISCELLANEOUS	
1014	4822 361 21327 MOTOR
1017	4822 691 30247 CD44 MINT
1020	4822 240 50315 LOUDSPEAKER
1022	4822 280 10222 BUZZER
1025	4822 277 21483 VOLTAGE SELECTOR
1029	4806 277 27106 SWITCH LEAF
1033	4822 130 82027 TLR220 RD
1100	4822 267 31128 AERIAL SOCKET
1105	4822 277 30862 GRID SWITCH
1200	4822 267 31176 SOCKET SPEAKER
1258	4822 267 30968 SOCKET HEADPHONE
1261	4822 253 10065 FUST T5A
1263	4806 253 37041 FUST T2A
1264	4806 277 17041 SWITCH POWER
1265	4822 267 30933 SOCKET SUBWOOFER
1400	4822 130 90986 LCD TUNER
1401	4806 276 27029 SWITCH KEY
1402	4806 276 27029 SWITCH KEY
1403	4806 276 27029 SWITCH KEY
1404	4806 276 27029 SWITCH KEY
1405	4806 276 27029 SWITCH KEY
1406	4806 276 27029 SWITCH KEY
1407	4806 276 27029 SWITCH KEY
1408	4806 276 27029 SWITCH KEY
1409	4806 276 27029 SWITCH KEY
1410	4806 276 27029 SWITCH KEY
1411	4806 276 27029 SWITCH KEY
1412	4806 276 27029 SWITCH KEY
1413	4806 276 27029 SWITCH KEY
1414	4806 276 27029 SWITCH KEY
1416	4806 276 27029 SWITCH KEY
1417	4806 276 27029 SWITCH KEY
1421	4822 277 21523 ALARM SELECTOR
1425	4806 134 47055 LAMP 12V 150mA
1554	4806 267 37060 SOCKET AUX/TV
1810	4822 267 30786 SOCKET FLEX 14P
1813	4806 276 47055 SWITCH KEY
1900	4806 130 97016 LCD CD
1901	4806 276 27029 SWITCH KEY
1902	4806 276 27029 SWITCH KEY
1903	4806 276 27029 SWITCH KEY
1904	4806 276 27029 SWITCH KEY
1905	4806 276 27029 SWITCH KEY
1906	4806 276 27029 SWITCH KEY
1907	4806 276 27029 SWITCH KEY
1908	4806 276 27029 SWITCH KEY
1909	4806 276 27029 SWITCH KEY
1910	4806 276 27029 SWITCH KEY
1911	4806 276 27029 SWITCH KEY
1912	4806 276 27029 SWITCH KEY
1913	4806 276 27029 SWITCH KEY
1914	4806 134 47056 LAMP 5V 115mA
1915	4806 134 47056 LAMP 5V 115mA

MISCELLANEOUS	
5109	4822 242 73546 CERAM FILTER KIT
5110	4822 303 50034 X'TAL 7.2MHz
5401	4822 242 73577 RESONATOR 4.5MHz
5402	4822 242 70938 X'TAL 32.768KHz
5603	4822 242 73768 FILTER
5604	4822 242 73768 FILTER
5851	4806 242 77095 RESONATOR
	* 4822 218 10394 REMOTE CONTROL
CAPACITORS	
2102	5322 122 32531 CHIP 100pF
2103	4822 122 31727 CHIP 470pF
2105	4822 125 60101 TRIM 3-11pF
2407	5322 122 32268 CHIP 470pF
2108	4822 122 31727 CHIP 470pF
2109	5322 122 32269 CHIP 6.8pF
2110	4822 122 31727 CHIP 470pF
2112	4822 122 31808 CHIP 150pF
2113	5322 122 34123 CHIP 1nF
2114	4806 122 37175 CHIP 220nF
2115	4806 122 37175 CHIP 220nF
2116	4822 122 31797 CHIP 22nF
2120	4822 122 33496 CHIP 100nF
2129	5322 122 32268 CHIP 470pF
2131	5322 122 34123 CHIP 1nF
2132	4822 122 31797 CHIP 22nF
2133	4822 122 31727 CHIP 470pF
2134	4806 122 37175 CHIP 220nF
2135	4806 125 57026 TRIM 5.2-30pF
2138	4806 122 37175 CHIP 220nF
2139	4806 125 57026 TRIM 5.2-30pF
2140	4822 121 51381 PP 560pF 400V
2141	4822 122 31797 CHIP 22nF
2147	4822 122 33339 CHIP 4.7nF
2148	4822 122 33339 CHIP 4.7nF
2150	4822 122 31797 CHIP 22nF
2153	5322 122 32965 CHIP 18pF
2154	5322 122 32481 CHIP 15pF
2155	4822 122 33806 CHIP 820pF
2156	4822 122 31797 CHIP 22nF
2158	4822 122 31727 CHIP 470pF
2159	5322 122 32268 CHIP 470pF
2160	5322 122 32268 CHIP 470pF
2161	4806 122 37175 CHIP 220nF
2164	5322 122 32967 CHIP 5.6pF
2165	4806 122 37175 CHIP 220nF
2168	4822 122 33891 CHIP 3.3nF
2169	4822 122 31797 CHIP 22nF
2412	4806 125 57022 TRIM 20pF 100V

RESISTORS	
3100	4822 051 20229 CHIP 22Ω
3102	4822 051 20331 CHIP 330Ω
3103	4822 051 20562 CHIP 5.6kΩ
3107	4822 051 20331 CHIP 330Ω
3109	4822 051 20472 CHIP 4.7kΩ
3110	4822 051 20222 CHIP 2.2kΩ
3113	4822 051 20271 CHIP 270Ω
3114	4822 051 20103 CHIP 100kΩ
3115	4822 100 11213 TRIMMER 22kΩ
3116	4822 051 20101 CHIP 100Ω
3118	4822 051 20103 CHIP 10kΩ
3119	4822 051 20103 CHIP 10kΩ
3120	4822 051 20135 CHIP 1MΩ
3121	4822 051 10102 CHIP 1kΩ
3122	4822 051 20135 CHIP 1MΩ
3123	4822 051 20103 CHIP 10kΩ
3129	4822 051 20104 CHIP 100kΩ
3131	4822 051 20008 CHIP 0Ω
3136	4822 051 20472 CHIP 4.7kΩ
3137	4822 051 20472 CHIP 4.7kΩ
3139	4822 051 20104 CHIP 100kΩ
3140	4822 050 23301 330Ω 0.125W
3144	4822 051 10102 CHIP 1kΩ
3146	4822 053 10151 PR01 150Ω
3148	4822 051 20562 CHIP 5.6kΩ
3149	4822 051 20474 CHIP 470kΩ
3151	4822 051 20223 CHIP 22kΩ
3154	4822 051 20333 CHIP 33kΩ
3155	4822 051 20223 CHIP 22kΩ
3156	4822 051 20562 CHIP 5.6kΩ
3158	4822 051 20331 CHIP 330Ω
3159	4822 051 20471 CHIP 470Ω
3160	4822 051 20153 CHIP 15kΩ
3161	4822 051 20008 CHIP 0Ω
3163	4822 051 20681 CHIP 680Ω
3255	4822 052 10228 Δ NFR25 2.2Ω
3256	4822 052 10228 Δ NFR25 2.2Ω
3257	4822 052 10228 Δ NFR25 2.2Ω
3258	4822 052 10228 Δ NFR25 2.2Ω
3273	4822 052 10228 Δ NFR25 2.2Ω
3274	4822 052 10228 Δ NFR25 2.2Ω
3295	4822 052 10129 Δ NFR25 12Ω
3321	4822 052 10129 Δ NFR25 12Ω
3322	4822 052 10228 Δ NFR25 2.2Ω
3323	4822 052 10228 Δ NFR25 2.2Ω
3324	4822 052 10479 Δ NFR25 47Ω
3325	4822 052 10228 Δ NFR25 2.2Ω
3401	4822 052 10109 Δ NFR25 10Ω
3495	4822 052 10108 Δ NFR25 1Ω
3496	4822 052 10108 Δ NFR25 1Ω
3500	4822 102 10414 POTM 20k X 2

3505	4822 101 21102 POTM 50k X 2
3507	4822 101 21102 POTM 50k X 2
3509	4822 101 21102 POTM 50k X 2
3511	4822 101 21102 POTM 50k X 2
3513	4822 101 21102 POTM 50k X 2
3542	4822 052 10479 Δ NFR25 47Ω
3568	4822 052 10229 Δ NFR25 22Ω
3593	4822 052 10229 Δ NFR25 22Ω
3596	4822 052 10279 Δ NFR25 27Ω
3599	4822 050 21001 Δ CR25 100Ω
3711	4822 052 10479 Δ NFR25 47Ω
3715	4822 100 11163 TRIMMER 100kΩ
3716	4822 100 11163 TRIMMER 100kΩ
3801	4822 052 10109 Δ NFR25 10Ω
3819	4822 100 11088 TRIMMER 5kΩ
3820	4822 100 11088 TRIMMER 5kΩ
3848	4822 052 10478 Δ NFR25 4.7Ω
3850	4822 052 10478 Δ NFR25 4.7Ω
3856	4822 052 10478 Δ NFR25 4.7Ω
3865	4822 052 10478 Δ NFR25 4.7Ω
3922	4822 052 10478 Δ NFR25 4.7Ω
COILS	
5102	4806 156 37045 FM RF COIL
5103	4806 156 37045 FM RF COIL
5104	4822 157 53192 COIL 0.22μH
5105	4822 156 20816 AM IF COIL
5106	4822 158 60511 AM IF COIL
5107	4822 158 60602 FERRORECEPTOR
5108	4806 157 57078 AM OSC COIL
5300	4822 146 30978 Δ TRANSFOR MAINS
5403	4822 157 53123 COIL 100μH
5404	4822 157 53123 COIL 100μH
5405	4822 157 62552 COIL 2.2μH
5601	4822 156 20811 COIL 36μH
5602	4822 156 20811 COIL 36μH
5605	4822 156 20811 COIL 36μH
5606	4822 156 20811 COIL 36μH
5701	4822 156 20946 OSC COIL 100kHz
5852	4822 157 62552 COIL 2.2μH
5853	4822 157 62552 COIL 2.2μH
5854	4822 157 62552 COIL 2.2μH
5855	4822 157 62552 COIL 2.2μH
5856	4822 157 62552 COIL 2.2μH
5857	4822 157 62552 COIL 2.2μH
5858	4822 157 62552 COIL 2.2μH
5859	4822 157 62552 COIL 2.2μH
5860	4822 157 62552 COIL 2.2μH
5861	4822 157 62552 COIL 2.2μH
5862	4822 157 62552 COIL 2.2μH
5863	4822 157 62552 COIL 2.2μH
5864	4822 157 62552 COIL 2.2μH

SEMICONDUCTORS

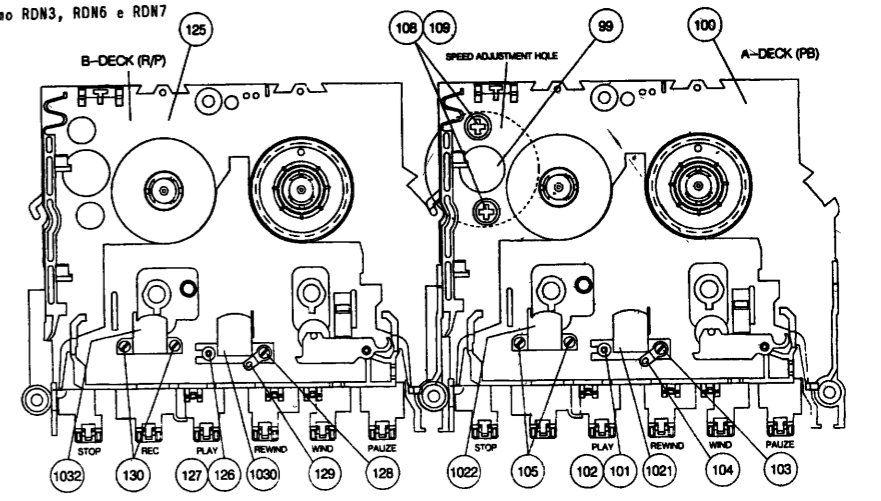
6101	4806	130	37078	1N4148
6102	4806	130	37258	BB809
6103	4806	130	37258	BB809
6104	4806	130	37078	1N4148
6105	4822	130	81673	1SV149
6106	4822	130	81673	1SV149
6107	4806	130	37047	BZX79-C4V7
6131	4806	130	37078	1N4148
6133	4806	130	37078	1N4148
6292	4806	130	37198	BZX79C2V4
6295	4806	130	37078	1N4148
6301	4806	130	37078	1N4148
6307	4806	130	37198	BZX79C2V4
6308	4806	130	37076	1N4002
6309	4806	130	37076	1N4002
6310	4806	130	37076	1N4002
6311	4806	130	37429	KBU4D
6312	4806	130	37437	KBU6DL-7002
6401	4806	130	37051	BZX79C6V2
6402	4806	130	37078	1N4148
6403	4806	130	37078	1N4148
6404	4806	130	37078	1N4148
6405	4822	130	32574	1SS106
6406	4822	130	32574	1SS106
6415	4806	130	37078	1N4148
6417	4806	130	37078	1N4148
6420	4806	212	27268	IR6P1V520X(DIODO)
6437	4822	130	82027	TLR220 RD
6438	4822	130	32472	TLG124A GN LED
6439	4822	130	32472	TLG124A GN LED
6470	4806	130	37042	BZX79C12V
6471	4806	130	37051	BZX79C6V2
6472	4806	130	37078	1N4148
6481	4806	130	37078	1N4148
6482	4806	130	37078	1N4148
6535	4806	130	37049	BZX79C5V6
6536	4806	130	37049	BZX79C5V6
6537	4806	130	37198	BZX79C2V4
6551	4806	130	37078	1N4148
6552	4806	130	37078	1N4148
6553	4806	130	37078	1N4148
6554	4806	130	37078	1N4148
6555	4806	130	37078	1N4148
6556	4806	130	37078	1N4148
6557	4806	130	37078	1N4148
6558	4806	130	37078	1N4148

6559	4806	130	37078	1N4148
6560	4806	130	37078	1N4148
6561	4806	130	37078	1N4148
6562	4806	130	37078	1N4148
6563	4806	130	37078	1N4148
6564	4806	130	37078	1N4148
6565	4806	130	37078	1N4148
6566	4806	130	37078	1N4148
6568	4806	130	37078	1N4148
6706	4806	130	37078	1N4148
6707	4806	130	37078	1N4148
6708	4806	130	37078	1N4148
6710	4806	130	37078	1N4148
6711	4806	130	37078	1N4148
6712	4806	130	37078	1N4148
6731	4806	130	37198	BZX79-C2V4
6732	4806	130	37004	BAV21
6810	4806	130	37078	1N4148
6811	4806	130	37078	1N4148
6812	4806	130	37078	1N4148
6813	4806	130	37078	1N4148
6814	4806	130	37078	1N4148
6840	4806	130	37078	1N4148
6841	4806	130	37078	1N4148
6842	4806	130	37078	1N4148
6843	4806	130	37078	1N4148
6850	4806	130	37078	1N4148
6851	4806	130	37078	1N4148
6852	4806	130	37078	1N4148
6853	4806	130	37078	1N4148
6870	4806	130	37048	BZX79C5V1
6900	4806	130	37078	1N4148
6901	4806	130	37078	1N4148
6902	4806	130	37078	1N4148
6903	4806	130	37078	1N4148
6904	4806	130	37078	1N4148
6905	4806	130	37078	1N4148
6906	4806	130	37078	1N4148
6907	4806	130	37078	1N4148
7101	4806	130	47316	2SC1047
7102	4806	130	47316	2SC1047
7103	4806	130	47042	BC548C
7104	4806	130	47042	BC548C
7105	4806	130	47217	BC558C
7106	4806	130	47316	2SC1047
7107	4806	130	47316	2SC1047
7114	4806	130	47042	BC548C
7115	4806	130	47042	BC548C
7116	4806	209	87525	LN7000
7117	4822	209	73851	CXA1238M
7118	4806	130	47316	2SC1047
7119	4806	130	47226	BC848B
7120	4806	130	47226	BC848B
7253	4822	209	73356	AN7161N(FP)
7254	4822	209	73356	AN7161N(FP)

7256	4806	130	47328	TBC548C
7301	4806	209	87150	LM317T
7303	4822	209	63822	LM2940-10V
7304	4806	130	47335	TBC548B
7305	4806	130	47234	BC337-40
7306	4806	130	47328	TBC548C
7307	4822	209	73356	AN7161N(FP)
7308	4806	209	87242	NJM4560D
7400	4822	209	63882	TMP47C620
7401	4806	130	47332	BC338-40
7402	4806	130	47335	TBC548B
7403	4806	130	47335	TBC548B
7404	4806	130	47335	TBC548B
7405	4806	130	47335	TBC548B
7406	4806	130	47335	TBC548B
7407	4806	130	47335	TBC558B
7408	4806	130	47335	TBC548B
7409	4806	130	47335	TBC548B
7410	4806	130	47313	BC327-40
7411	4806	130	47050	TBC558B
7412	4806	130	47066	BD234 D
7414	4806	130	47327	TBC548
7416	4806	130	47335	TBC548B
7419	4806	130	47066	BD234 D
7420	4806	130	47335	TBC548B
7421	4806	130	47335	TBC548B
7443	4806	130	47335	TBC548B
7444	4806	130	47335	TBC548B
7447	4806	130	47335	TBC558B
7450	4806	130	47335	TBC548B
7451	4806	130	47335	TBC548B
7452	4806	130	47335	TBC548B
7501	4806	209	87373	NJM4560D
7502	4806	130	47332	BC338-40
7503	4806	130	47332	BC338-40
7504	4806	130	47227	BC328-40
7505	4806	130	47227	BC328-40
7506	4806	130	47335	TBC548B
7507	4806	130	47335	TBC548B
7515	4806	130	47328	TBC548C
7516	4806	130	47328	TBC548C
7550	4806	209	87373	NJM4560D
7551	4806	130	47328	TBC548C
7551	4822	209	63558	CXA1102P

7552	4806	130	47041	BC548B
7552	4806	130	47328	TBC548C
7553	4806	130	47328	TBC548C
7554	4806	130	47332	BC338-40
7555	4806	130	47332	BC338-40
7556	4806	209	87373	NJM4560D
7600	4806	209	87448	LM2940CT 5V
7701	4822	209	62372	TDA1602A/N3
7704	4806	130	47041	BC548B
7705	4806	130	47041	BC548B
7707	4806	130	47050	BC558B
7801	4806	130	47228	BC337-25
7810	4806	209	87311	TDA8808T/C3
7830	4806	209	87288	TDA8809T/C2
7831	4806	209	87248	L272mH
7832	4806	209	87248	L272mH
7840	4806	209	87535	INS8050-11-QRY
7841	4806	209	87536	PC74HC02P
7850	4806	209	87534	MS0423FP
7851	4806	209	87437	MN4264-15
7852	4806	209	87541	TDA43A/M2/S2
7853	4806	130	47234	BC337-40
7854	4806	130	47313	BC327-40
7855	4806	130	47234	BC337-40
7856	4806	130	47313	BC327-40
7870	4806	209	87373	NJM4560D
7871	4806	209	47066	TBC548
7872	4806	209	47066	TBC548
7873	4806	209	47066	TBC548
7874	4806	209	47066	TBC548
7875	4806	130	47048	TBC558
7876	4806	130	47066	TBC548
7877	4806	130	47066	TBC548
7878	4806	130	47234	BC337-40
7879	4806	130	47313	BC327-40
7880	4806	130	47328	TBC548C
7900	4806	209	87533	COP472-3
7901	4806	209	87533	COP472-3
7901	4806	130	47328	TBC548C
7902	4806	130	47313	BC327-40
7902	4806	209	87537	PC74HCT164T
7903	4806	130	47313	BC327-40
7904	4806	130	47234	BC337-40
7905	4806	130	47234	BC337-40

Mecanismo RDN3, RDN6 e RDN7



Lista Mec. Decks RDN3 - RDN6 - RDN4

100	4822	691	10296	Mec. Deck(A) montado	x	x	x
101	4806	492	67304	Mola esp. p/ aj. cabeça	x	x	x
107	4806	403	17028	Amort. borracha p/ motor	x	x	x
108	4806	502	17243	Paraf. fix. motor	x	x	x
125	4822	691	10296	Mec. Deck(B) montado	x	x	x
126	4806	492	67304	Mola esp. p/ aj. cabeça	x	x	x
1021	4822	249	10334	Cabeça Grav./Rep.	x	x	
1021	4822	249	10397	Cabeça Grav./Rep.			x
1022	4822	443	61616	Cabeça apagadora Dummy	x	x	
1022	4822	404	10685	Cabeça apagadora Dummy			x
1023	4822	361	21285	Motor MMI6-H9LWDR	x	x	x
1030	4822	249	10334	Cabeça Grav./Rep.	x	x	
1030	4822	249	10397	Cabeça Grav./Rep.			x
1032	4806	249	27014	Cabeça apagadora	x	x	x

Materiais Mec. Deck's RDN/RDR

Posição	Código	Posição	Código	Posição	Código
01	4822 528 20676	21	4806 520 37039	41	4806 522 37175
02	4806 535 37005	22	4806 532 27068	42	4806 522 37174
03	4806 522 37178	23	4806 528 67027	43	4806 403 37131
04	4806 528 77039	24	4806 532 27068	44	4806 290 37016
104	4806 528 77039	25	4806 403 57465	45	4806 492 67304
05	4806 492 67381	26	4806 403 57467	49	4806 403 37123
06	4806 402 17006 (Dir.)	27	4806 492 67385	50	4806 403 17028
106	4822 402 10038 (Esp.)	28	4806 528 27029	51	4806 361 27077
07	4806 403 37121	29	4806 535 37005	52	4806 358 37088
08	4806 402 67383	30	4806 403 37128	53	4806 502 17243
09	4806 403 57469	31	4806 492 47132	54	4806 277 27106
10	4806 290 47009	32	4806 40		

MECANISMO DECK RDN - RDR

