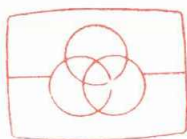


MIDI STACK F1385

/10/30/31/32/35/38/40

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**Service
Service
Service**



Free service manuals
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Service Manual

For repair information of the cassette mechanism see
Service Manual of Recorders tape deck RX version
RX-4

For repair information of the record player
see Service Manual of Record Player
HP7D 277 not for /32
HP7D 277MQ only for /32

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SPECIFICATION**Typical value****Nominal value****General**

Mains voltage	: 120V-220V-240V	
Voltage selection	: Serviceable (set at 220V) Switchable (Set to 220V) For -/31 only	
Mains Frequency	: 50-60 Hz	
Power consumption	: 80W max.	

Tuner: FM Section

Tuning range	: 87.5 MHz - 108 MHz	
IF Frequency	: 10.7 MHz	
Aerial inputs	: 75 Ω coaxial	
Sensitivity	: 2 μ V 26dB S/N	: \leq 2.5 μ V 26dB S/N
Selectivity	: 35dB at 600 KHz bandwidth	: \geq 30 dB at 600 KHz bandwidth
IF Rejection	: 60dB	: \geq 55dB
Image Rejection	: 50dB	: \geq 40dB

Tuner: AM Section

Tuning range	MW : 522 KHz - 1611 KHz LW : 150 KHz - 263 KHz	
IF Frequency	: 450 KHz	
Sensitivity	MW : 2 mV/M 26dB S/N LW : 2.5 mV/M 26dB S/N	: \leq 2.5 mV/M 26dB S/N : \leq 3 mV/M 26dB S/N
Selectivity	: 35dB at 18 KHz bandwidth	: \geq 30dB at 18 KHz bandwidth
IF Rejection	: 60dB	: \geq 50dB
Image Rejection	MW : 40dB LW : 50dB	: \geq 30dB : \geq 40dB

Amplifier

Output power	: 2 x 10W \pm 1dB, D = 10%	
Speaker impedance	: 8 ohm	
Frequency Response (within 3dB)	: 125 Hz to 10 KHz	
Equalizer control	: -6dB to + 6dB	
Dynamic Bass Boost	: +6dB	
Input Sensitivity	Aux./TV : 300mV Mic : 0.7mV	: 400mV : 1mV

Cassette Recorder

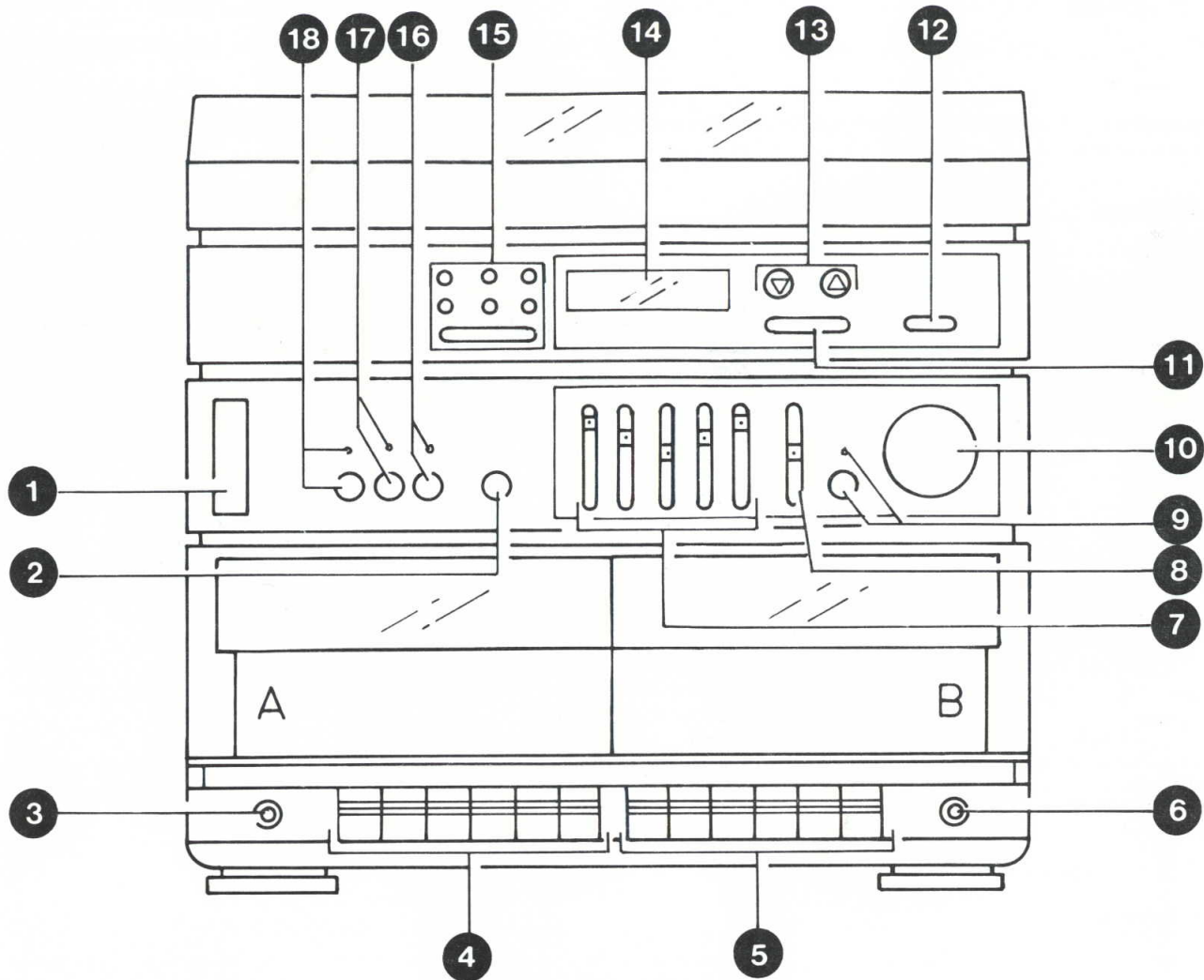
Number of tracks	: 2 x 2 (stereo)
Tape speed	: 4.76 cm/sec \pm 2% : 2 x 4.76 cm/sec on dubbing
Wow and flutter	: \leq 0.35%
Fast-wind time C60	: \leq 130 sec.
Bias system	: DC on AM position : AC on FM/Tape position
Bias Frequency	: 70 KHz \pm 15 KHz
Recording playback frequency response (within 8dB)	: 100Hz to 6300Hz
Signal to Noise ratio	: \geq 42dB on FM/Type position : \geq 22dB on AM position : \geq 38dB on dubbing

Record player

Type of PU Head	: Sapphire (Ceramic stereo) : Diamond (Magnetic stereo)
Stylus force	: 5.0 gmf + 1.5 gmf, -1gmf
Speed	: 33/45 r.p.m. +3%, -1%
Wow and flutter	: 0.3%
Rumble	: -30dB (DIN. A) : - 40dB (DIN. B)

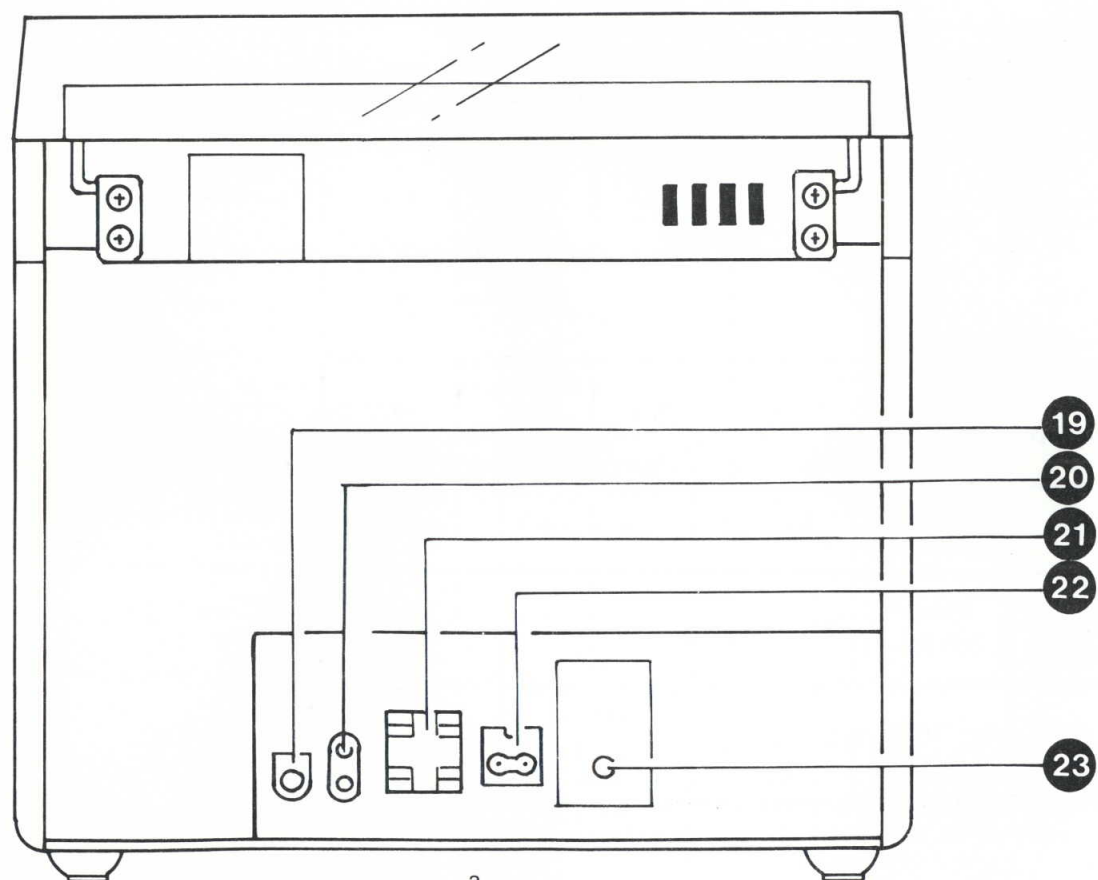
RECORD PLAYER

Adjustment	Set in position	Read on	Adjust with	Adjust to
Speed	Phono 33 r.p.m.	Stroboscope	Trimpot in turntable motor	33 r.p.m.
Speed	Phono 45 r.p.m.	Stroboscope	Trimpot in turntable pcb.	45 r.p.m.



Connections and controls:

- | | | | | | |
|---|----------------------|----------------|----|------------------|-----------|
| 1 | Power ON/OFF | SK-L | 8 | | 3595 |
| 2 | Speed selector | SK-H | 9 | Bass Boost | SK-P/7418 |
| 3 | | BU-6 | 10 | | 3596 |
| 4 | Tape deck A button : | | 11 | Bandswitch | SK-N |
| | | SK-G | 12 | Mono/Stereo | SK-M |
| | | SK-G,SK-D,SK-K | 13 | Down | 1111 |
| | | SK-G | | Up | 1112 |
| | | SK-G | 14 | LCD Display | 7550 |
| | | SK-G,SK-K | 15 | Preset button | 1114-1119 |
| | | | | Memory button | 1113 |
| 5 | Tape deck B button : | | 16 | Phono/CD/TV | SK-E/7259 |
| | | SK-F | 17 | Tape | SK-E/7261 |
| | Continuous play | SK-F,SK-J | 18 | Tuner | SK-E/7260 |
| | | SK-F | 19 | FM Aerial (75Ω) | BU-4 |
| | | SK-F | 20 | CD/TV | BU-3 |
| | | SK-F,SK-J | 21 | R, L | BU-2 |
| 6 | | BU-1 | 22 | | BU-5 |
| 7 | Graphic Equalizer | 3590-3594 | 23 | Voltage selector | SK-Q |

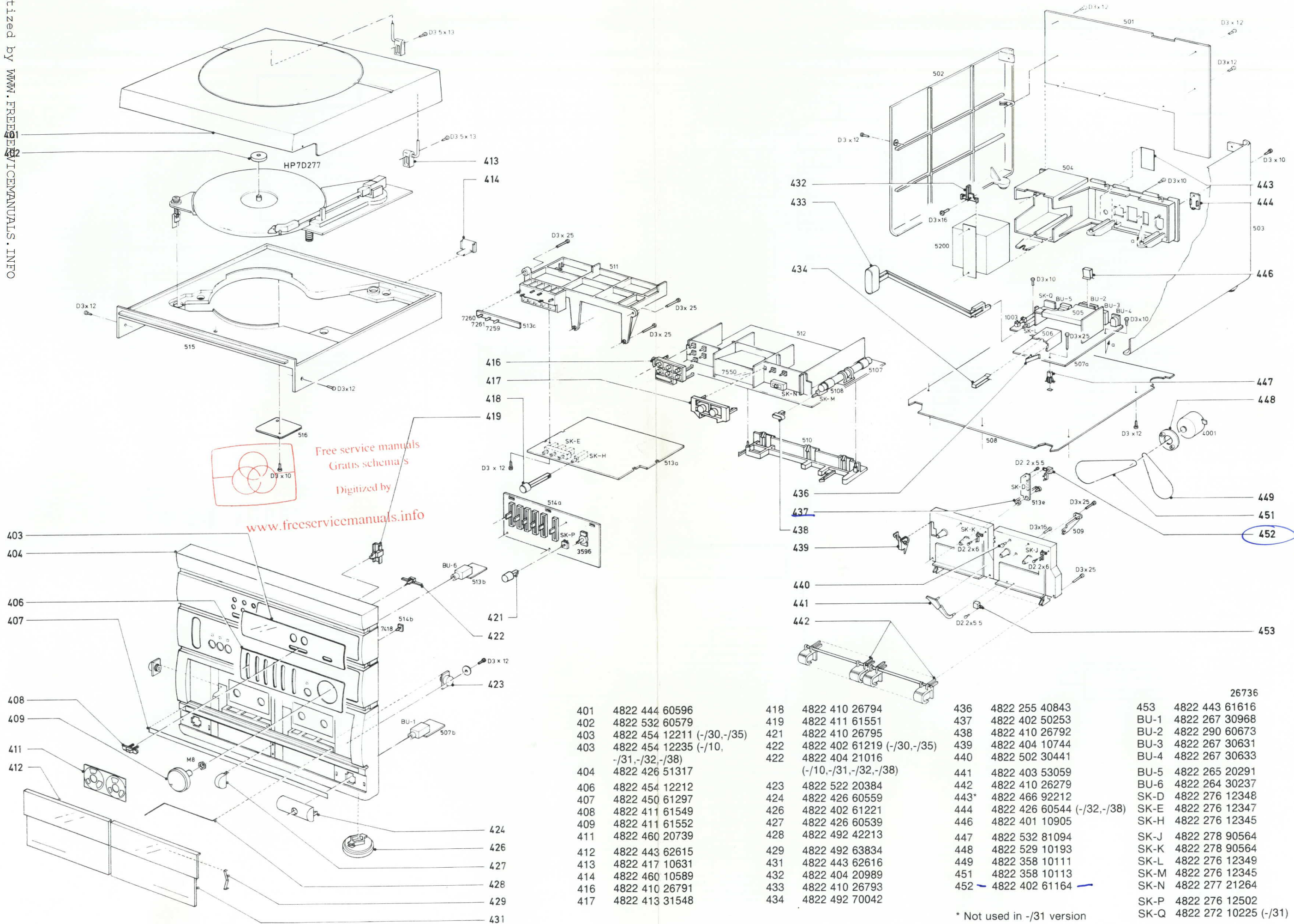


CASSETTE DECK

Adjustment	Cassette	Recorder position			Measure on	Read on	Adjust with	Adjust to
		SK...	Deck A	Deck B				
Azimuth	10KHz SBC 420*	Tape	Play	—	BU-1	mV-meter	Left hand screw Play head	max. output L = R
		Tape	—	Play	BU-1	mV-meter		
Motor speed (Normal)	3150Hz SBC 420*	Tape	Play	—	BU-1	Wow and Flutter meter	preset in motor	**a
		Tape	—	Play	BU-1	Wow and Flutter meter	—	**a
Motor speed (High)	3150Hz SBC 420*	Tape High speed	Record	Play	BU-1	Frequency counter	—	6.0 ± 0.3 KHz

* 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%.



401	4822 444 60596
402	4822 532 60579
403	4822 454 12211 (-/30,-/35)
403	4822 454 12235 (-/10, -/31,-/32,-/38)
404	4822 426 51317
406	4822 454 12212
407	4822 450 61297
408	4822 411 61549
409	4822 411 61552
411	4822 460 20739
412	4822 443 62615
413	4822 417 10631
414	4822 460 10589
416	4822 410 26791
417	4822 413 31548

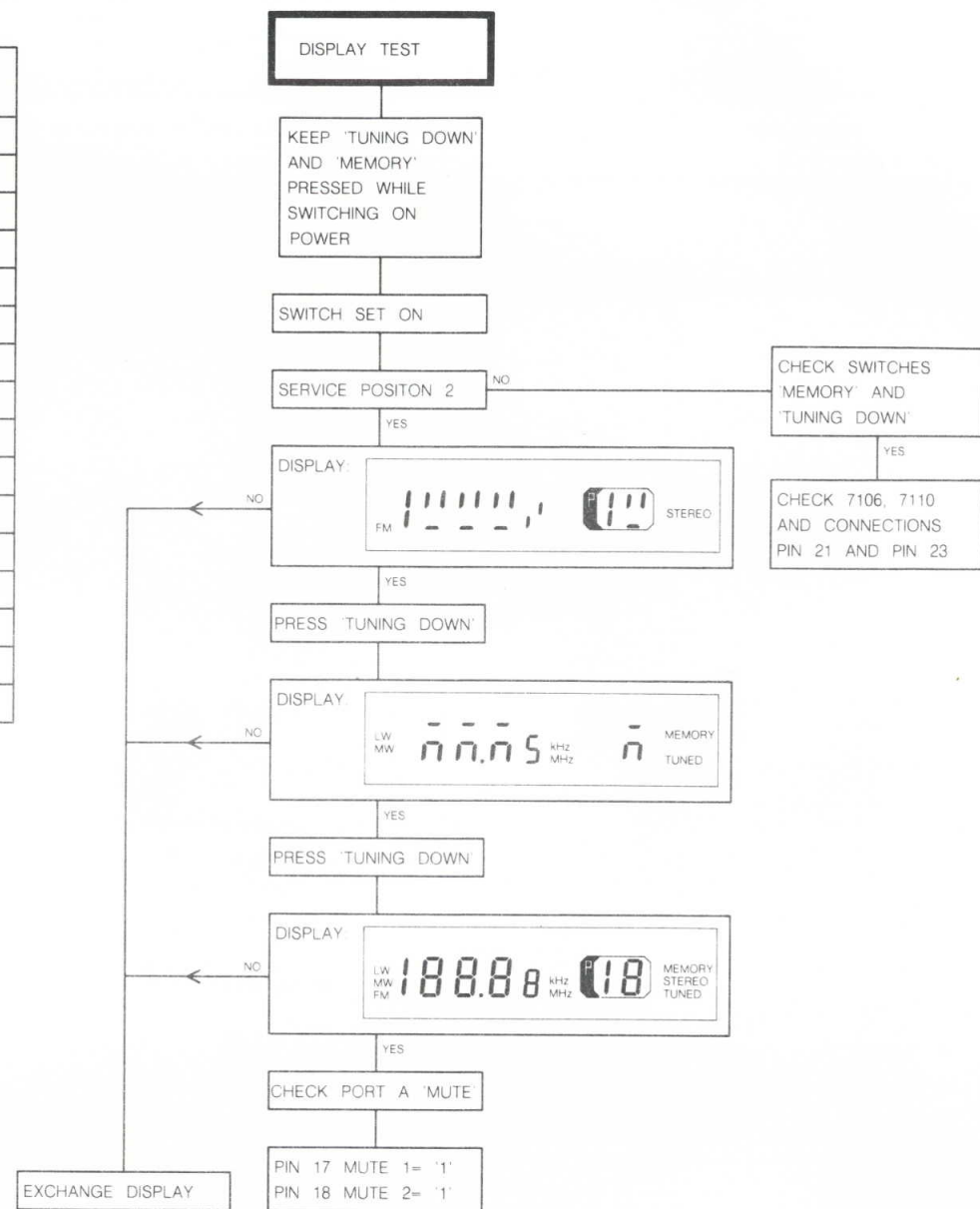
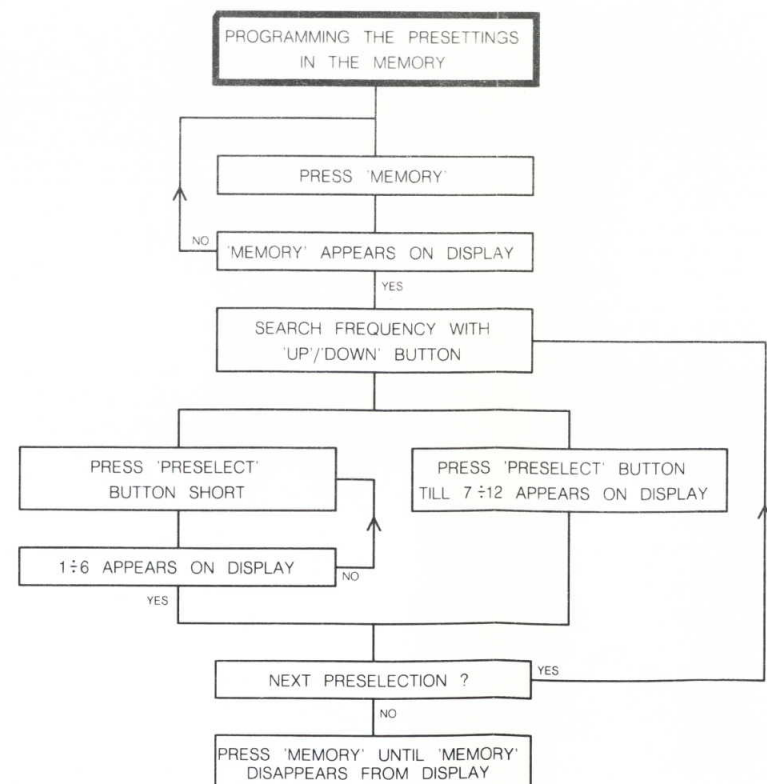
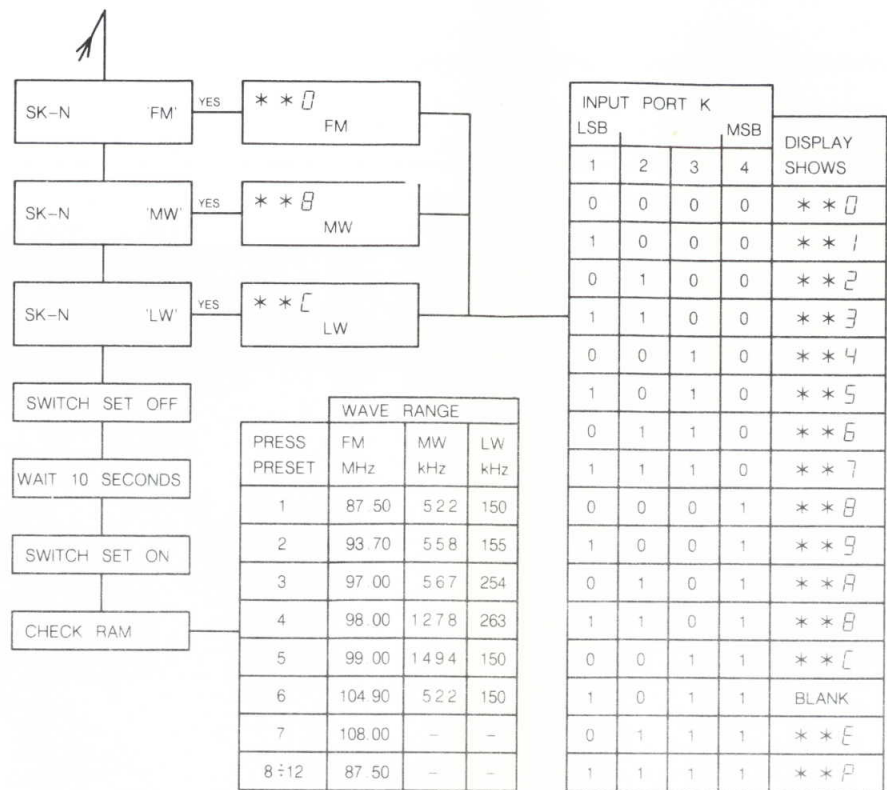
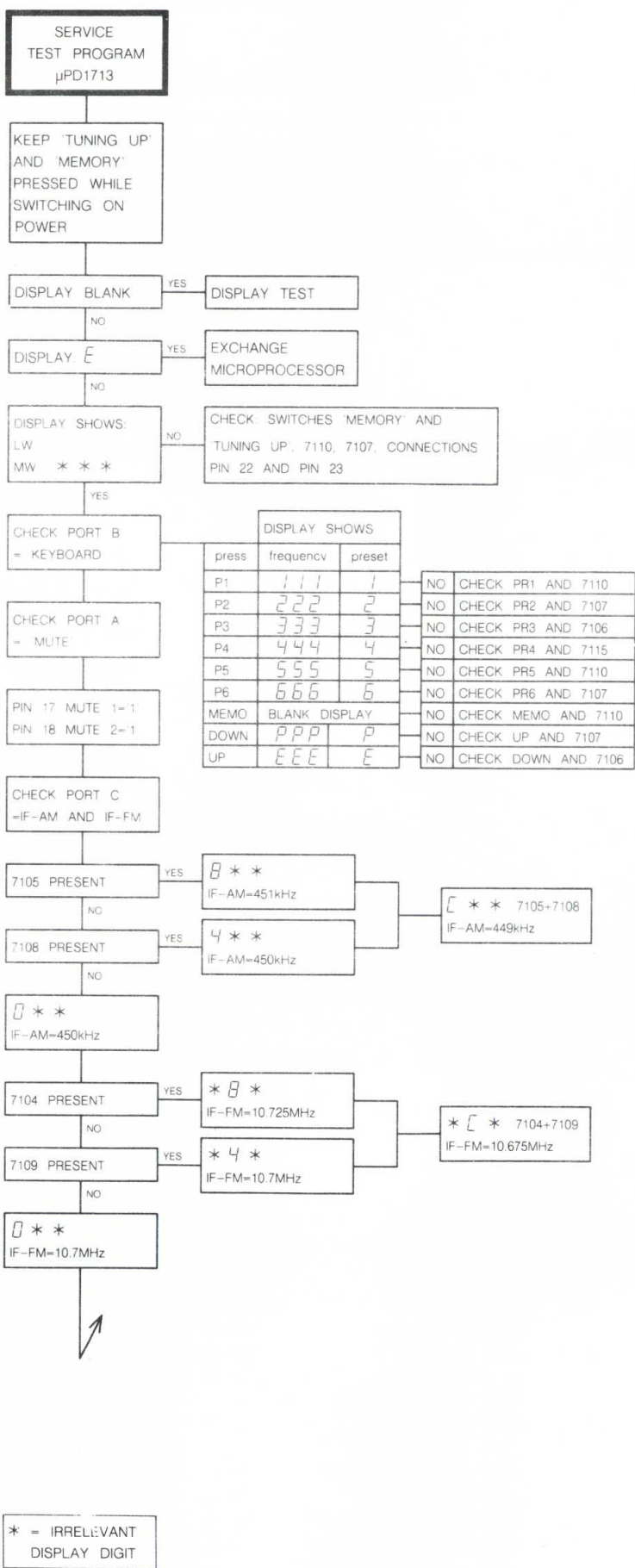
418	4822 410 26794
419	4822 411 61551
421	4822 410 26795
422	4822 402 61219 (-/30,-/35)
422	4822 404 21016 (-/10,-/31,-/32,-/38)
423	4822 522 20384
424	4822 426 60559
426	4822 402 61221
427	4822 426 60539
428	4822 492 42213
429	4822 492 63834
431	4822 443 62616
432	4822 404 20989
433	4822 410 26793
434	4822 492 70042














436	4822 255 40843
437	4822 402 50253
438	4822 410 26792
439	4822 404 10744
440	4822 502 30441
441	4822 403 53059
442	4822 410 26279
443*	4822 466 92212
444	4822 426 60544 (-/32,-/38)
446	4822 401 10905
447	4822 532 81094
448	4822 529 10193
449	4822 358 10111
451	4822 358 10113
452	4822 402 61164

26736	4822 443 61616
BU-1	4822 267 30968
BU-2	4822 290 60673
BU-3	4822 267 30631
BU-4	4822 267 30633
BU-5	4822 265 20291
BU-6	4822 264 30237
SK-D	4822 276 12348
SK-E	4822 276 12347
SK-H	4822 276 12345
SK-J	4822 278 90564
SK-K	4822 278 90564
SK-L	4822 276 12349
SK-M	4822 276 12345
SK-N	4822 277 21264
SK-P	4822 276 12502
SK-Q	4822 272 10225 (-/31)

* Not used in -/31 version

MICRO PROCESSOR CHECK



	Carbon film 0.2 W CR16	70°C	5%		Plate ceramic Tuning < 120 pF Others	2% -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						
(C) Chip component							

26338

(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.

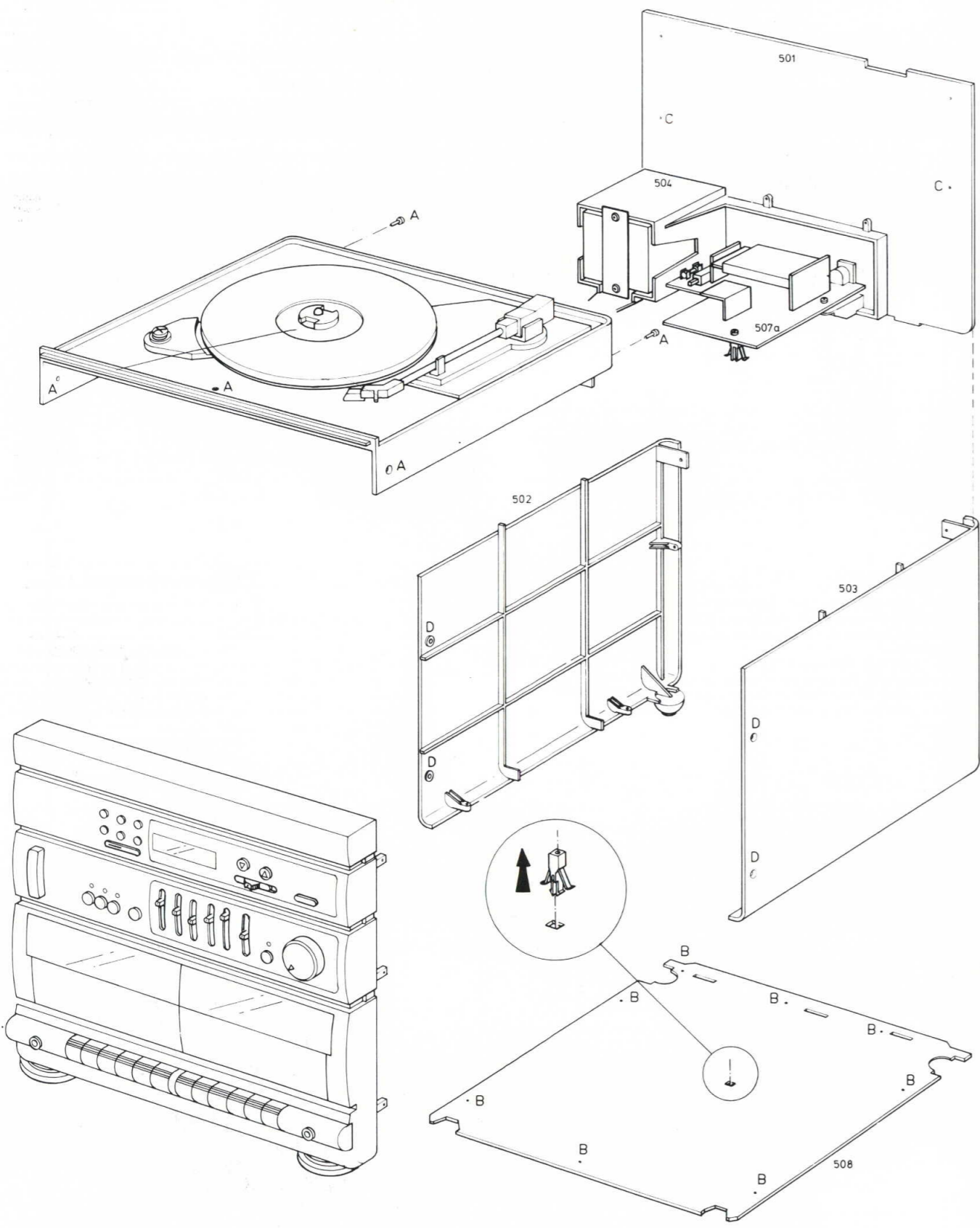
(D) WARNUNG

Alle ICs und viele andere Halbleiter sind empfindlich gegenüber elektrostatischen Entladungen (ESD).
Unvorsichtige Behandlung im Reparaturfall kann 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 braccialeto a resistenza.
Assicurarsi che i componenti e anche gli utensili con quali si lavora siano anche a questo potenziale.

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After replacing 5113 (AM) or 5111a, 5111b and 5111c (FM)

SK						Diodes		
AM	≈ 450 KHz * Mod 1 KHz 30% AM	via 100nF		generator frequency control	1 4	7105 + 1KHz	7108 - AM	AM - IF - freq.
						×	×	450 KHz
						×		450 KHz
							×	451 KHz
								449 KHz
FM	≈ 10.7 MHz Mod 1 KHz Δf = 22.5 KHz	B		generator frequency control	1 4	7104 + 25KHz	7109 - FM	FM - IF - freq.
						×	×	10.7 MHz
						×		10.7 MHz
							×	10.725 MHz
								10.675 MHz

GB

- 1 Adjust the generator frequency so, that you receive a maximal and undistorted sine wave, Program this frequency according to the "Diodes"-table.
- 2 Adjust for maximum height and symmetry.

NL

- 1 Stel de generatorfrequentie zodanig in, dat u een maximale en onvervormde sinus ontvangt. Programmeer deze frequentie volgens de tabel "Diodes".
- 2 Afregelen op maximum hoogte en symmetrie.

F

- 1 Ajuster la fréquence génératrice de façon que vous recevez un sinus maximal et indéformé. Programmer cette fréquence selon la table "Diodes".
- 2 Ajuster sur hauteur et symétrie maximum.

D

- 1 Stellen Sie die Generatorfrequenz so ein, dass Sie eine maximale und unverzerrte Sinuskurve empfangen. Programmieren Sie diese Frequenz gemäss der Tabelle "Diodes".
- 2 Abgleichen auf Maximalhöhe und Symmetrie.

I

- 1 Regolate la frequenza del generatore in modo che ricevete un sinus massimale e indistorsionato. Programmate questa frequenza secondo la tabella "Diodes".
- 2 Regolare per un massimo di altezza e di simetria.

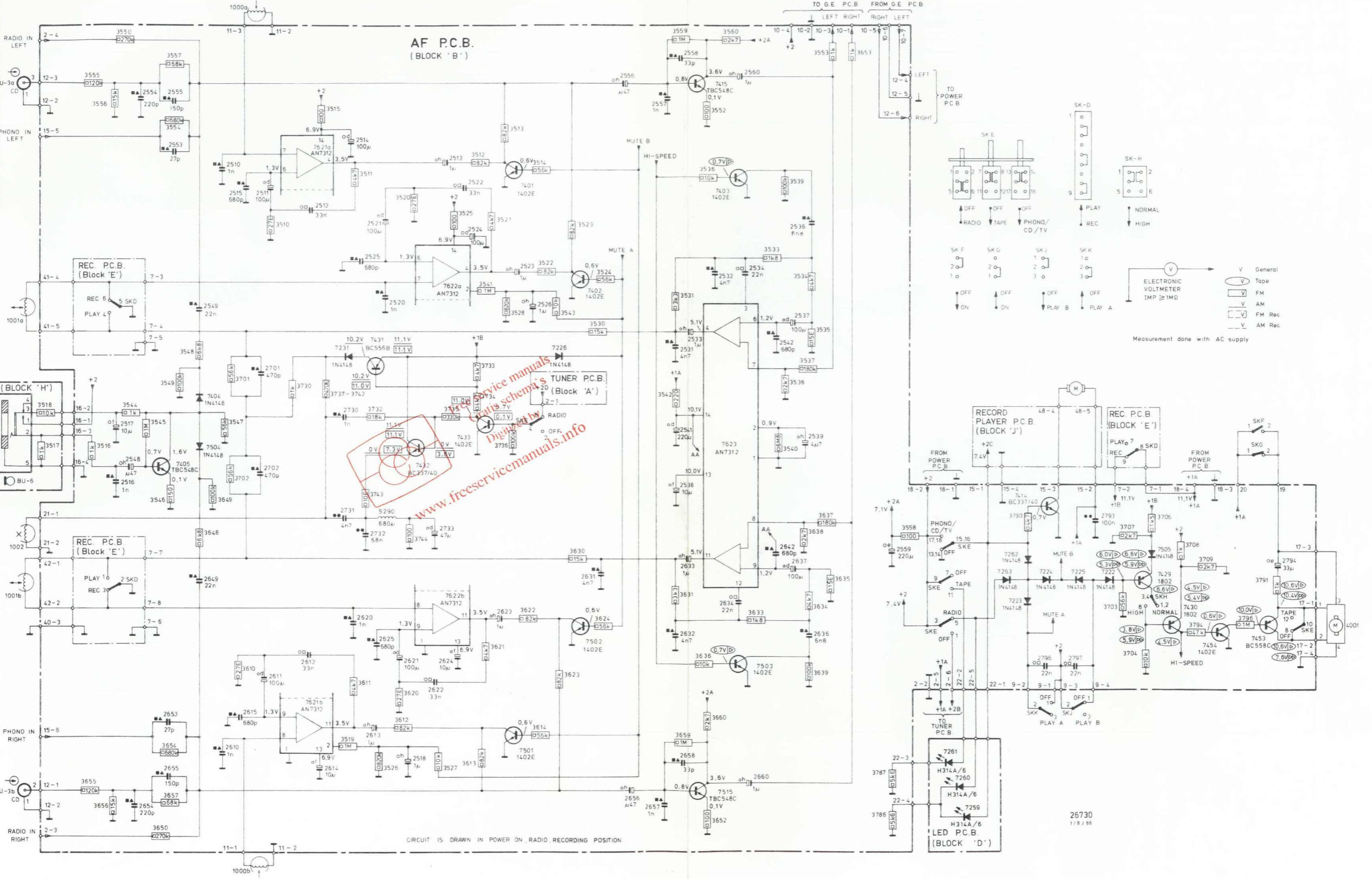
"Bei notwendigem Abgleich ist das Gerät auf die gesetzlich vorgeschriebenen Eckfrequenzen abzugleichen."

SK						
Varicap alignment						
FM 87.5 - 108 MHz			108 MHz	5105		1 = 8V
			87.5 MHz			1 ≈ 2V
LW 150-263 KHz			263 KHz	5106		1 = 8V
			150 KHz			1 ≈ 2V
MW 522-1611 KHz			1611 KHz	5106		1 ≈ 8V
			522 KHz		check	1 ≈ 2V
FM-RF						
FM Stereo	87.5 MHz	B	87.5 MHz	5104		4 max.
				5103		
	108 MHz		108 MHz	2139		4 max.
				2191		
AM-IF						
MW	450 KHz Δf = 5 KHz (50 Hz)	C via 100nF	1611 KHz	5109		2
				5110		
AM-RF						
MW	558 KHz*	A	558 KHz	5108		4 max.
	1494 KHz*		1494 KHz	2188		
LW	155 KHz*	A	155 KHz	5107		4 max.
* Mod 1 KHz 30% AM						
Stereo decoder						
FM Stereo			No signal	3163		3 19 ± 0.05 KHz

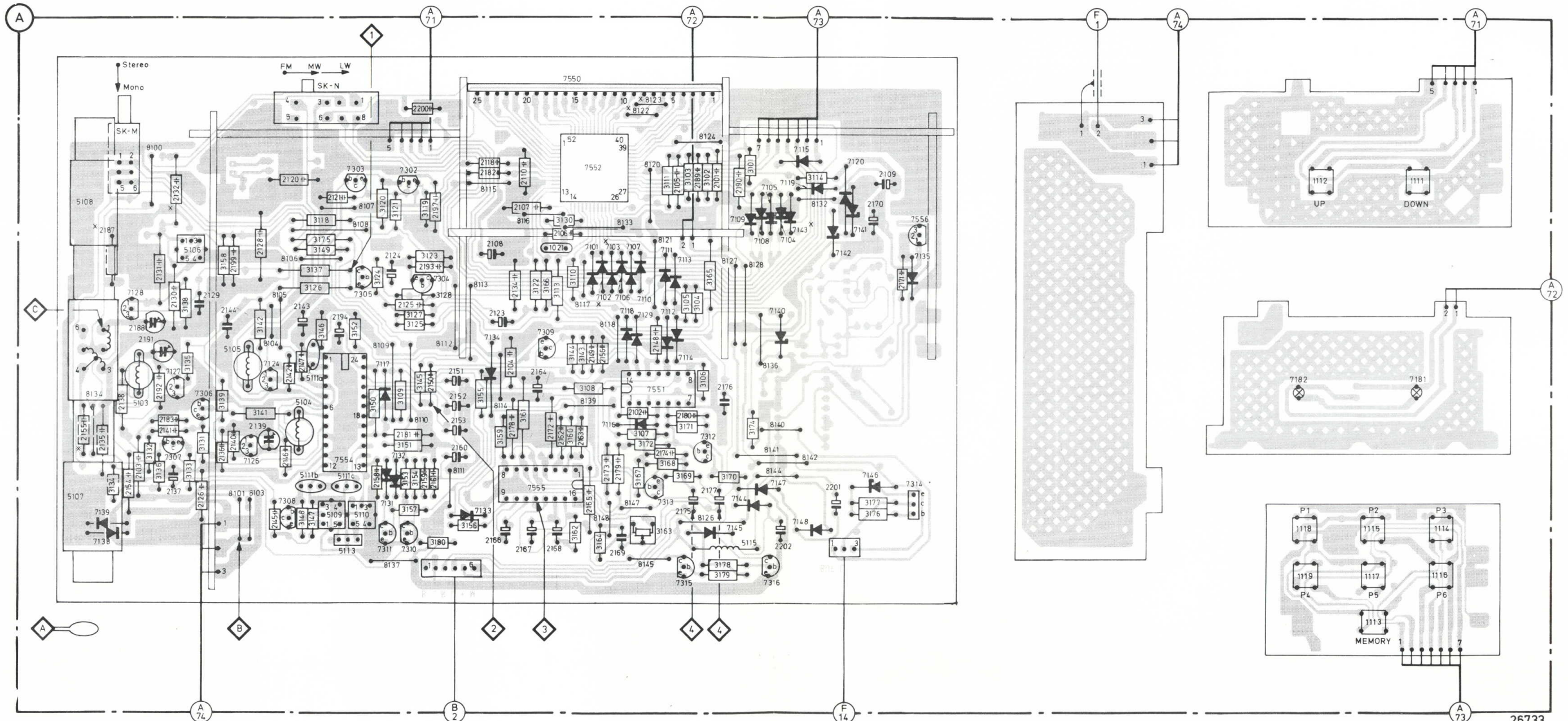
Disassembly sequence : A (5 screws) - B (8 screws) - C (2 screws) - D (4 screws)

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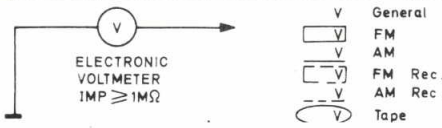
MISC.	BU3a 1001a	7405	7404	1000a		7621a 7231	7431 5290	7432 7622a 7433	7401	7226	7402	7415 7403	7503	7261 7260	7263 7414	7224	7225	7222	7505	7454	7453	
	BU3b 1001b		7504	1000b		7621b		7622b	7501	7502		7623		7259	7262					7429 7430	SKG	4001
	1002 BU6											7515			7223						SKF	
CAP.		2517 2554 2555	2549 2510	2701		2612 2512	2730 2514	2613 2520 2621 2622	2513 2524	2623 2523 2526	2631	2556	2557 2633 2558 2658	2532	2534 2542 2536	2636			2559			2794
		2516 2654 2553	2649 2610 2615	2702		2614 2731	2521 2625	2518 2624 2522				2656	2657 2531 2533 2634	2560	2560 2642 2637							
		2548 2653 2655	2515 2511 2611			2620 2525 2732	2733						2632 2541 2538	2660	2660 2642 2637							
RES.		3518 3555 3516	3544-3546 3557 3548	3648 3649 3702	3510 3730	3515 3519 3732 3520 3744	3735 3525 3512 3521 3513	3522 3543 3523 3524					3559 3636 3552 3560	3633 3533	3537-3540 3553 3653	3787 3558					3704 3706 3708 3709	3796 3791
		3517 3655 3556	3550 3549 3554	3547 3701	3737-3742 3743 3620	3527 3613 3541 3621 3528	3514 3623 3630 3530						3659 3531 3660		3637-3639 3635	3786						3794
		3656	3650 3654 3657	3610	3611 3511 3526 3612	3733 3734 3736 3622 3614	3624						3542 3631 3536 3652		3534 3634 3535							



	5108	8134	SKM	8100	7127	5106	7306	5105	8104-8106	SKN	7303	8107-8109	7302	7304	8115	8116	1021	7552	8133	8120-8123	8124	7109	7105	7119	7115	8132	7141	7120	7314	7556	7182	1112	1115	1111	1114		
MISC.	5107	7139	5103		7307		8101	7124	7308	5104	7305	7117	8110	8112	8111	7133	8114	7555	7309	7101	7102	7103	7107	7110	8126-8128	7108	7104	7143	7148	7142	7146	7135		1118	1117	7181	1116
	7138	7128					7126	8103		5111a	5111c	7554	7131	7310		8113		8117	8139	8118	7106	7129	7111-7114	7312	8136	7140	7147						1119	1113			
										5111b	5109	5110		7311	7132		7134		8148	7116	8147	7313	7551	7145	7144	8144	8140-8142										
											5113		8137						7550	7118	8145	8122	7315		5115	7316											
CAP.	2155	2187	2188	2131	2132	2137	2129	2199	2128	2120	2143	2121	2158	2124	2200	2197	2118	2108	2107	2106	2163	2149	2156	2148	2105	2189	2101	2190	2202	2201	2170	2109	2171				
	2135	2138	2191	2130	2126	2144	2140	2139	2142	2194		2125	2181	2150-2153	2182	2134	2104	2162	2165	2173		2174	2180	2175	2177	2176											
	2103	2192	2183		2136		2145-2147			2159	2161	2123	2178	2172	2168		2179	2102																			
	2154	2141										2193	2160	2166	2167	2110	2164		2169																		
RES.	3134	3132		3138	3158	3139	3142	3141	3137	3118	3152	3120	3121	3119	3123	3156	3155	3161	3122	3166	3130	3108	3172	3107	3111	3165	3174	3101		3114	3177						
				3136	3133	3131			3126	3175	3150	3124	3109	3127	3145		3159	3144	3162		3167	3168	3171	3162	3170					3176							
								3135		3146-3149					3157	3125	3128			3160	3143	3164	3163	3169					3179								
												3151	3153	3154	3180				3113	3110				3102-3106	3178												



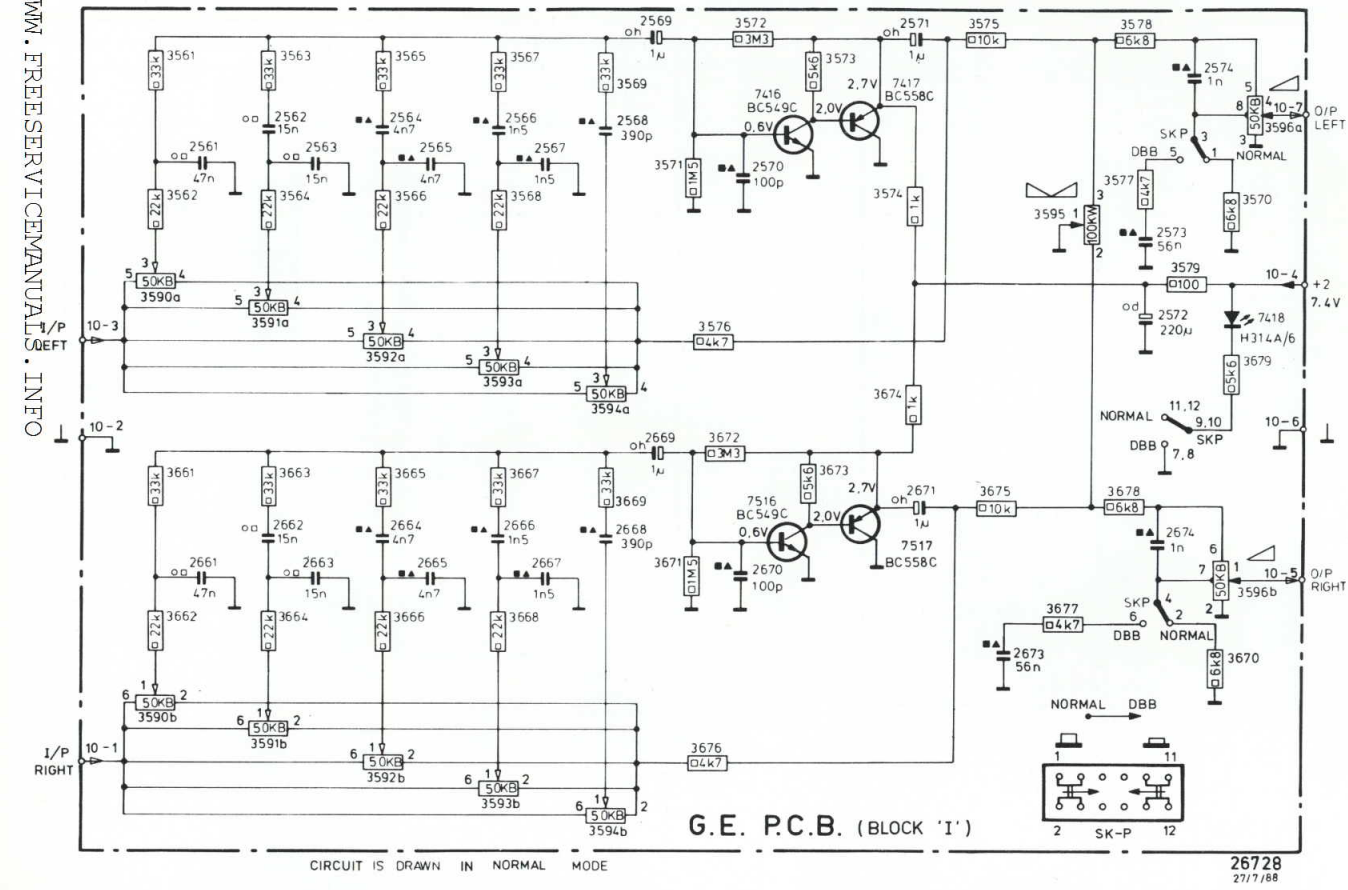
MODEL	VERSION	DELETE FOLLOWING ITEM
F1385	LW-MW-FM	7143, 8123
	MW-FM	2132, 2155, 2187, 7102, 7103, 7143, 8122
MX1385	MW-FM	2132, 2155, 2187, 7102, 7103, 8122



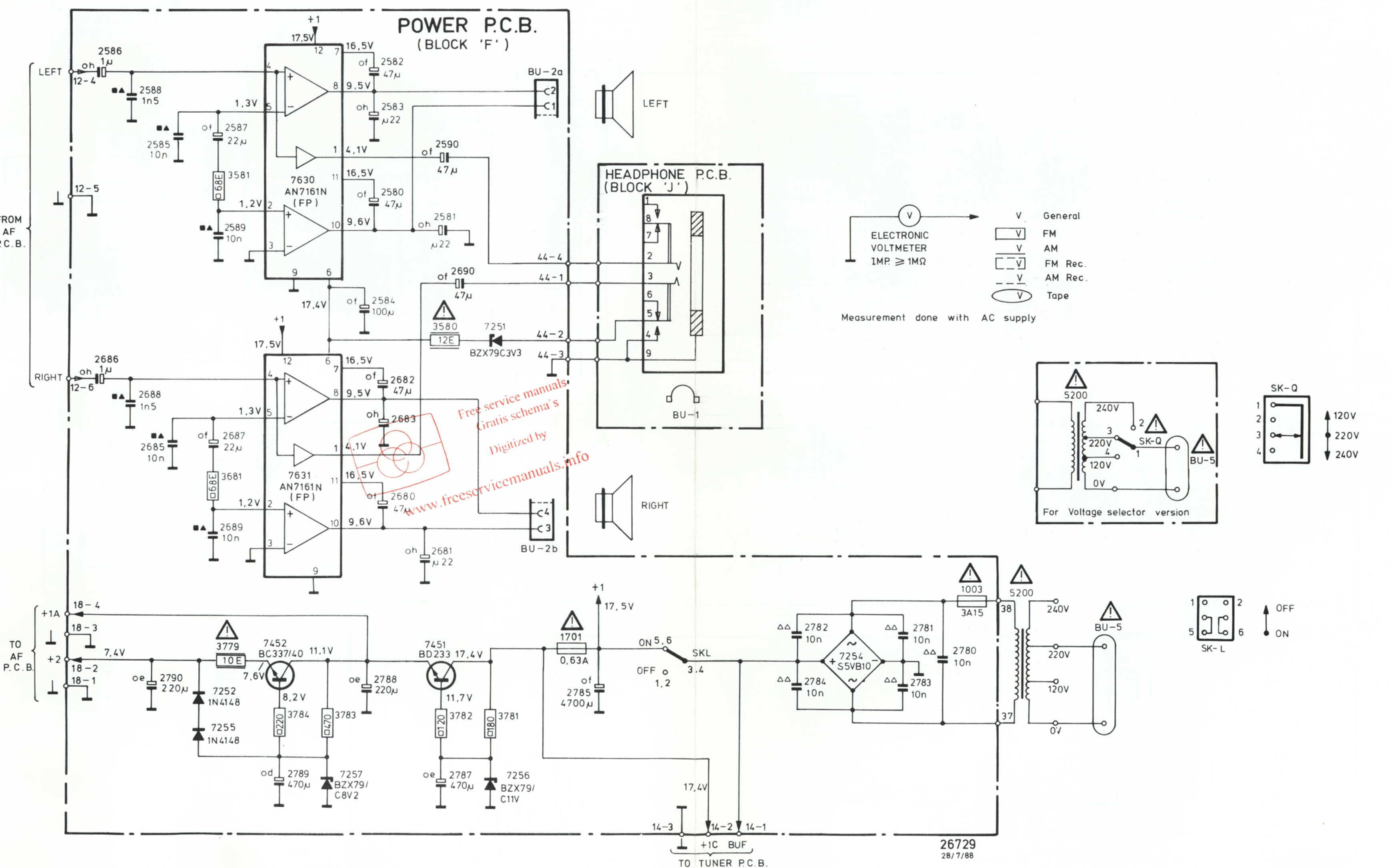
7551	1- [3.4V] 3.4V	2- [3.4V] 3.4V	3- [0V] 0V	4- [5.6V] 5.6V	5- [3.4V] 3.4V	6- [3.4V] 3.4V	7- [0V] 0V	8- [0V] 0V	9- [5.3V] 5.3V	10- [5.7V] Stereo
7552	11- [0.7V] Stereo	12- [5.7V] Mono	13- [0.9V] 0.9V	14- [5.7V] 5.7V			7- 5.0V	12- 0.6V	33- 5.0V	
7554	1- [0V] 0V	2- [3.1V] 3.6V	3- [1.3V] 1.3V	4- [1.3V] 1.3V	5- [1.3V] 1.3V	6- [1.3V] 1.3V	7- [1.3V] 1.3V	8- [1.3V] 1.3V	9- [0V] 0V	10- [0.3V] 0V
7555	1- [5.7V] 5.7V	2- [1.5V] 1.5V	3- [1.4V] 1.4V	4- [2.4V] 2.4V	5- [2.4V] 2.4V	6- [5.7V] Mono	7- [0V] 0V	8- [0.4V] 0.4V	9- [2.0V] Mono	10- [0.1V] Stereo
7302	e- [0.6V]	b- [1.3V]	c- [2.0V]							
7303	e- [2.0V]	b- [1.3V]	c- [1.3V]							
7304	e- [0.6V]	b- [0.6V]	c- [0.6V]							
7305	e- [0.5V]	b- [1.3V]	c- [0V] 0V							
7306	e- [0.5V]	b- [1.3V]	c- [1.2V]							
7307	e- [2.6V]	b- [3.4V]	c- [4.6V]							
7314	e- 8.8V	b- 9.4V	c- 17.4V							
7308	e- [0.1V] 0V	b- [0.8V] 0.2V	c- [3.5V] 5.7V							
7309	e- [0V] 0V	b- [0.8V] 0.8V	c- [0.9V] 0.9V							
7310	e- [0V] 0V	b- [0.7V] 0V	c- [4.9V]							
7311	e- [0V] 0V	b- [0.1V] 0.6V	c- [1.3V] 0.1V							
7312/7313	e- [3.4V] 3.4V	b- [0V] 0V	c- [3.4V] 3.4V							
7315/7316	e- [0V] 0V	b- [0V] 0V	c- [2.4V] 2.4V							

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MISC.											7416 7516	7417 7517			7418
CAP.	2561	2562 2563	2564 2565	2566 2567	2568 2569	2570	2571	2673	2573	2574					
RES.	3561 3562	3563 3564	3565 3566	3567 3568	3594a 3594b	3571 3572	3573 3574	3575	3677	3578 3579	3570 3596a				
	3590a 3590b	3591a 3591b	3592a 3592b	3593a 3593b	3594b 3669 3671 3672	3673 3674	3675	3676	3595	3678	3670				
	3661 3662	3663 3664	3665 3666	3667 3668								3676			

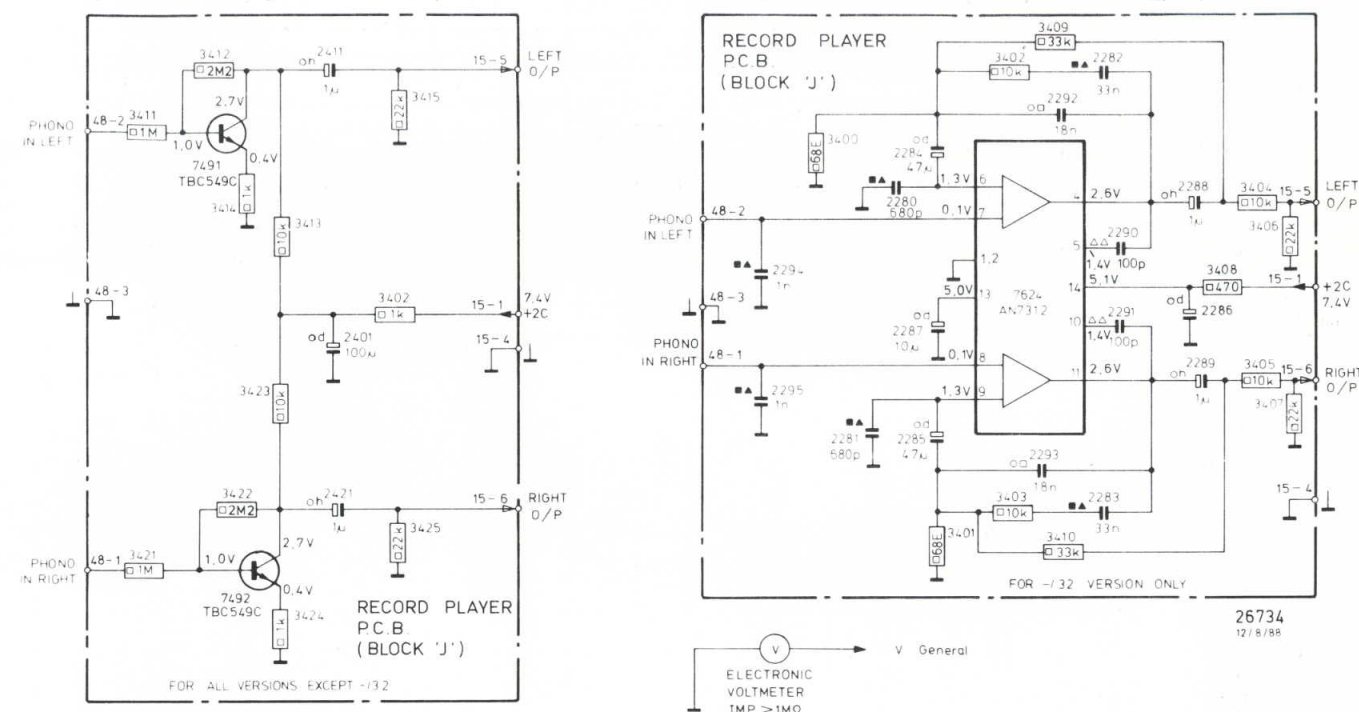
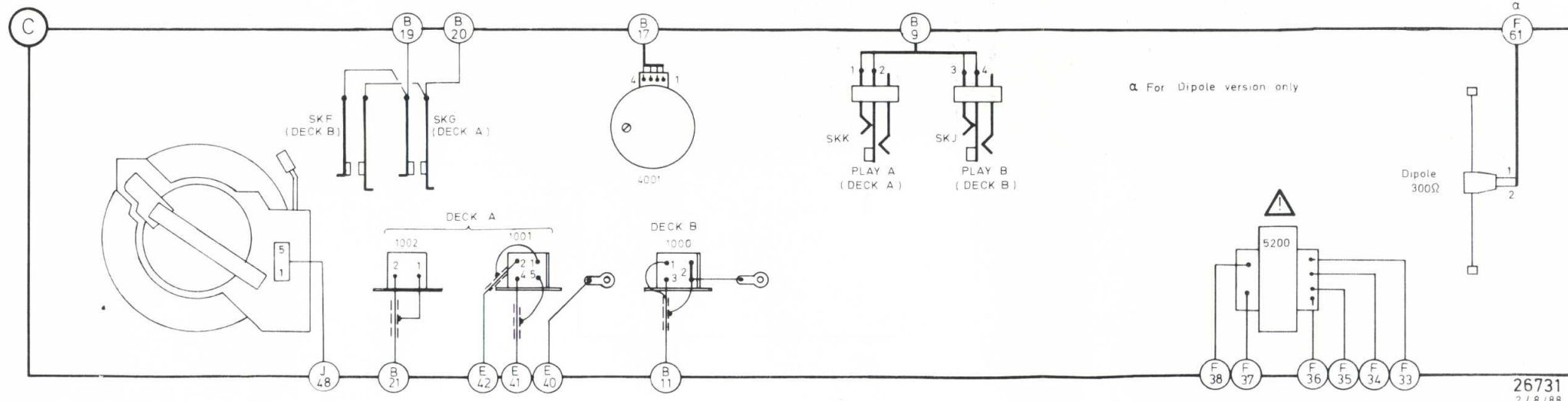
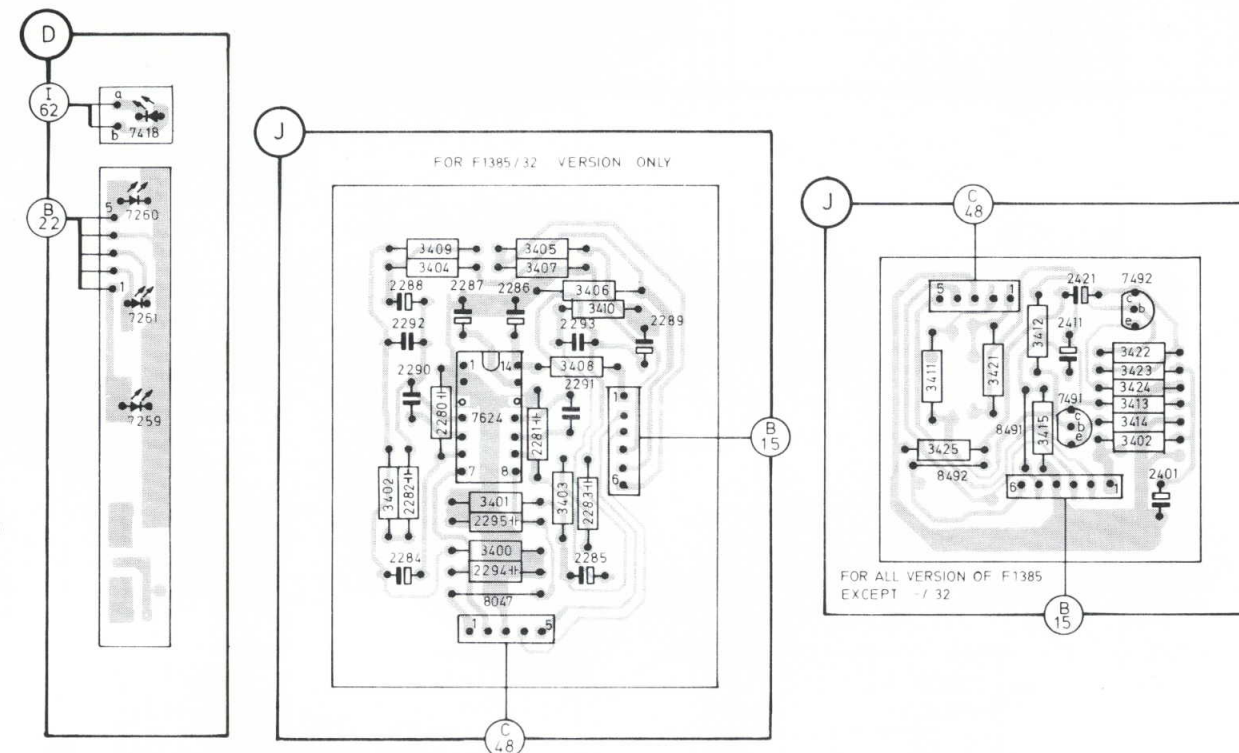
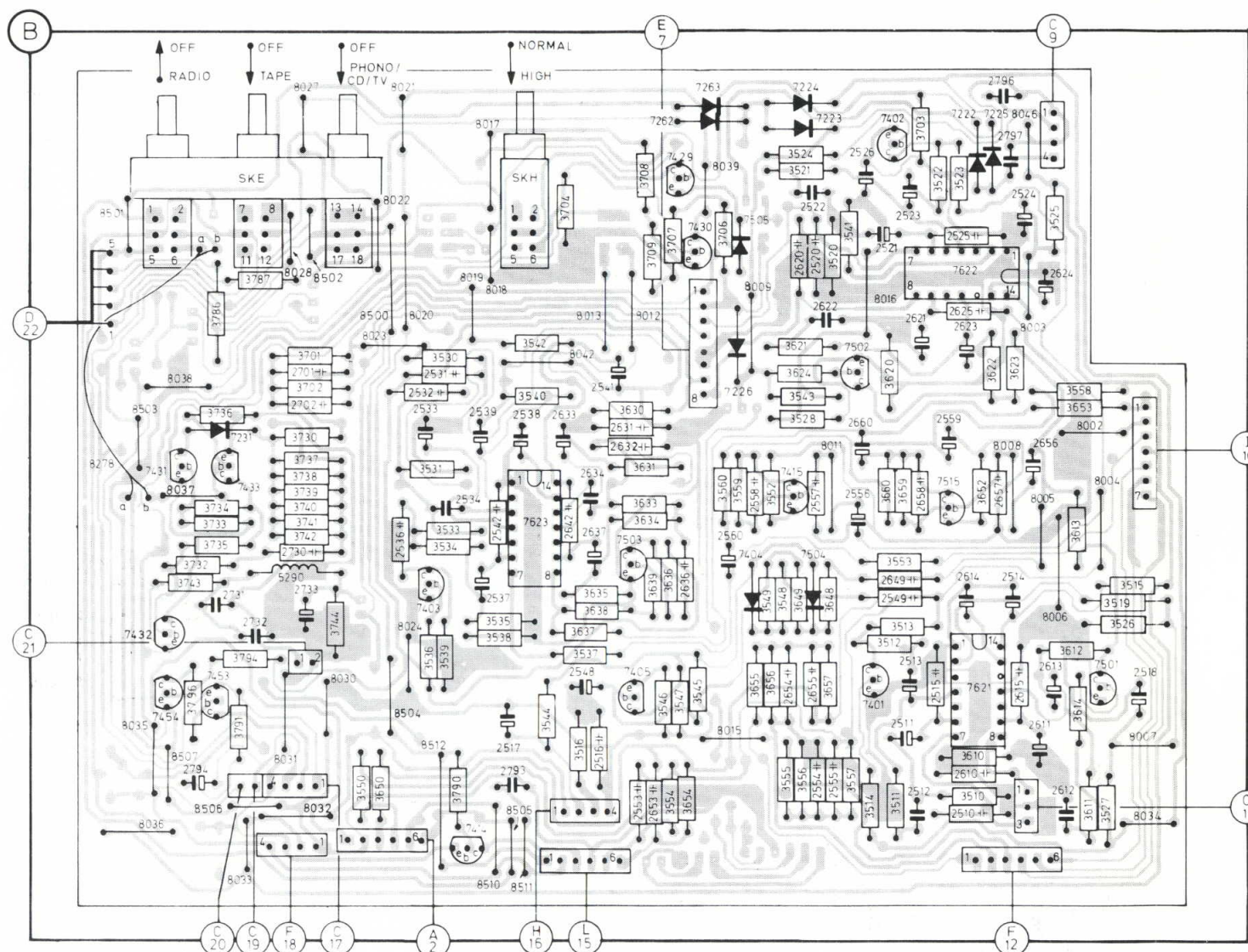


MISC.											7255 7252 7452 7630 7631	7257	7451	7251 7256 BU2 1701			SKL BU1			7254	1003	5200	5200 BU5 SKQ	BU5		
CAP.	2586	2588 2585	2587 2589	2789	2582-2584		2581 2787	2785												2782	2781	2780				
RES.	2686	2688 2685	2790 2687 2689											2580 2680-2683 2690		3580		3781								
											3581 3779	3784	3783	3782												

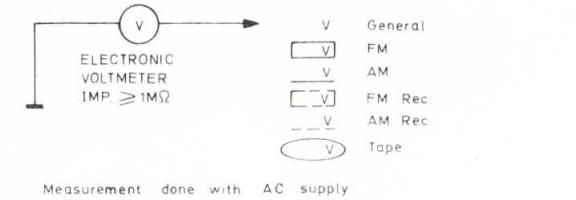


MISC	8501 8503 8506	7231 8027 8032 8023 8022 8021 7414 8019 8505 7623	8012 7262 7263 8039	7224 7223 7502 7402 7515 7622 7225 8046	8002	8007	7260 5200	BU6	8095	8492 8096	7491 7492
CAP	7432 7431	7433 8028 8030 SKF	8020	8013 7503	7430 7226 7404 7415 8011 7401 8016 BU7	7222 8008 8003 8005 8004	8034	7261	7624 8047	SKD	8491
RES	8278 8035 - 8038	7453 SKE 5290 8502	8024 7403 8512 8510 8511	8042	7405 7429 4001 7505 7504	7621	SKJ 8006 7501	7259			
	7454 8507 8033	8031	8500 8504	1002 SKG SKH	1000 8015 8009	SKK					
	2794 2731 2732 2701	2536	2539 2538 2633 2634 2541 2553	2560 2558 2620 2522	2526 2523 2621 2525 2796 2524 2624	2518			2288 2290 2287 2295 2293	2289	2411 2421 2401
	2730	2733	2542 2793	2642 2631 2653 2636	2654 2520 2622 2521 2658 2559 2625 2797 2656				2292 2280	2294 2291	
	2702	2531-2533	2517	2516 2632	2554-2557 2511-2513 2515	2623 2657 2514 2611-2613			2282 2284	2286 2283	
	3796 3794 3787 3701	3744	3530 3534 3535	3704	3631	3706-3709 3560 3552 3621 3524 3520 3620 3703 3522 3523 3622 3623 3525 3558 3519 3526	3517		3402 3409 3401	3405 3408	3425 3421 3412
	3791	3702	3550 3550 3531 3533 3538	3540 3516 3630 3634 3545-3547 3559 3528 3624 3521 3648 3660 3659	3652 3610				3404 3400	3407	3406
	3732-3736	3730	3539 3790	3542 3537 3635 - 3639 3554 3654	3549 3548 3655-3657	3553	3510		3403 3410		3403 3410
	3743 3786	3737-3742	3536	3544	3633	3534 3649 3555-3557 3541 3511-3514	3527				







MISC	7491 7492	7624
CAP	2411	2294 2281 2284 2287 2292 2282 2290 2286 2286
RES	2421 2401	2295 2280 2285 2293 2283 2291 2289
	3411 3412 3414 3413	3415
	3421	3400 3401 3402 3409 3408 3404-3407
		3403 3410

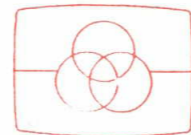


7621/7622	7623	7624	7491/7492	7431
1 - 0V	1 - 0V	1 - 0V	e - 0.4V	e - 11.1V 11.1V
2 - -	2 - 0.9V	2 - 0V	b - 1.0V	b - 11.0V 10.2V
3 - -	3 - -	3 - -	c - 2.7V	c - 10.2V
4 - 3.5V	4 - 5.1V	4 - 2.6V		
5 - -	5 - -	5 - 1.4V		
6 - 1.3V	6 - 1.2V	6 - 1.3V		
7 - -	7 - -	7 - 0.1V		
8 - -	8 - -	8 - 0.1V		
9 - 1.3V	9 - 1.2V	9 - 1.3V		
10 - -	10 - -	10 - 1.4V		
11 - 3.5V	11 - 5.1V	11 - 2.6V		
12 - -	12 - -	12 - -		
13 - 6.9V	13 - 10.0V	13 - 5.0V		
14 - 6.9V	14 - 10.1V	14 - 5.1V		
7401/7501	7402/7502	7403/7503	7429	7430
e - 0V	e - 0V	e - 0V	e - 6.6V 5.9V	e - 4.5V 5.4V
b - 0.6V	b - 0.6V	b - 0.7V	b - 6.0V 5.3V	b - 3.8V 5.9V
c - -	c - -	c - -	c - 6.6V 5.9V	c - 4.5V -
7405	7414	7415/7515	7454	7453
e - 0.1V	e - 0V	e - 0.1V	e - 0.6V -	e - 10.6V 10.4V
b - 0.7V	b - 0.7V	b - 0.8V	b - 0.6V -	b - 10.0V -
c - 1.6V	c - -	c - 3.6V	c - -	c - 10.6V 7.6V



POWER SUPPLY PANEL P018

Miscellaneous			D 
1000	4822 249 10334	R/P Head	7101 4822 130 30621 1N4148
1002	4822 249 20072	Erase head	7124 4822 130 81091 BB304
1003	4822 253 30027	Fuse T3.15A	7128 4822 130 31129 BB212
1021	4822 242 70761	Crystal 4.5 MHz	7140 4822 130 34174 BZX79C4V7
1004	4822 276 12502	Switch push 4P2T	7141 4822 130 34173 BZX79C5V6
1010	4822 267 30633	Socket aerial	7142 4822 130 34297 BZX79C10V
1011	4822 276 12276	Switch key	7146 4822 130 30862 BZX79C9V1
1020	4822 276 12345	Switch push 2P2T	7251 5322 130 31504 BZX79C3V3
1021	4822 277 21264	Switch slide 2P3T	7254 4822 130 33774 S5VB10
10201	4822 278 90564	Switch leaf	7256 4822 130 34488 BZX79C11V
10203	4822 276 12347	Switch push assy	7257 4822 130 34382 BZX79C8V2
10205	4822 276 12348	Switch slide 3P2T	7259 4822 130 80986 PLED H314A/6
10206	4822 276 12349	Switch push	
10206	4822 272 10225	Voltage selector	
10210	4822 265 20291	Socket mains	
1211	4822 267 30631	Socket cinch assy	
1212	4822 267 30968	Socket headphone	
1213	4822 264 30237	Socket micro D6.3	
1214	4822 290 60673	Socket push terminal	
1701	4822 253 20089	Fuse T0.63A	
4001	4822 361 21089	12 V NMI-6H2LWDA	
7181	4822 134 40885	5 V 115 mA *	
c 			TS 
2109	4822 122 33157	Elco 47 nF 5.5 V	7302 4822 130 60163 2SC1047C
2131	4822 121 51377	160 V 620p	7303 4822 130 60093 2SA838B
2132	4822 121 51376	160 V 549p	7304 4822 130 44196 TBC548C
2139	4822 125 60101	Trim 100 V 11p	7305 5322 130 60068 BC558C
2187	4822 122 33653	50 V 91p	7311 4822 130 40938 TBC548
R 			IC 
3163	4822 100 20166	Preset 10k	7551 4822 209 10264 MN4069UB
3580	4822 111 30511	NFR25 12E	7552 4822 209 11443 UPD1713AG-575
3590	4822 105 11013	Potm. slide 50KBX2	7554 4822 209 72097 CXA1111P
3595	4822 105 11012	Potm. slide 100 kW	7555 4822 209 71321 AN7411
3596	4822 102 30465	Potm. rot 50KBX2	7556 4822 209 71901 NJM78L05A
S 			7621 4822 209 70997 AN7312
5103	4822 156 30947	FM RF coil	7630 4822 209 73356 AN7161N(FP)
5106	4822 156 11045	MW Osc coil	
5107	4822 158 60583	MW LW Ant assy	
5109	4822 156 10688	IFT AM WT	
5110	4822 156 10726	IFT AM YW	
5111	4822 242 71856	Cer. filter	
5113	4822 242 72097	Cer. filter	
5115	4822 157 53808	Ind. 220 µH	
5200	4822 146 30718	Transformer, mains	
5290	4822 157 53809	Ind. 680 µH	



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GB

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

NL

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

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.

D

Bei jeder Reparatur sind die geltenden Sicherheitsvorschriften zu beachten. Der Originalzustand 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.

