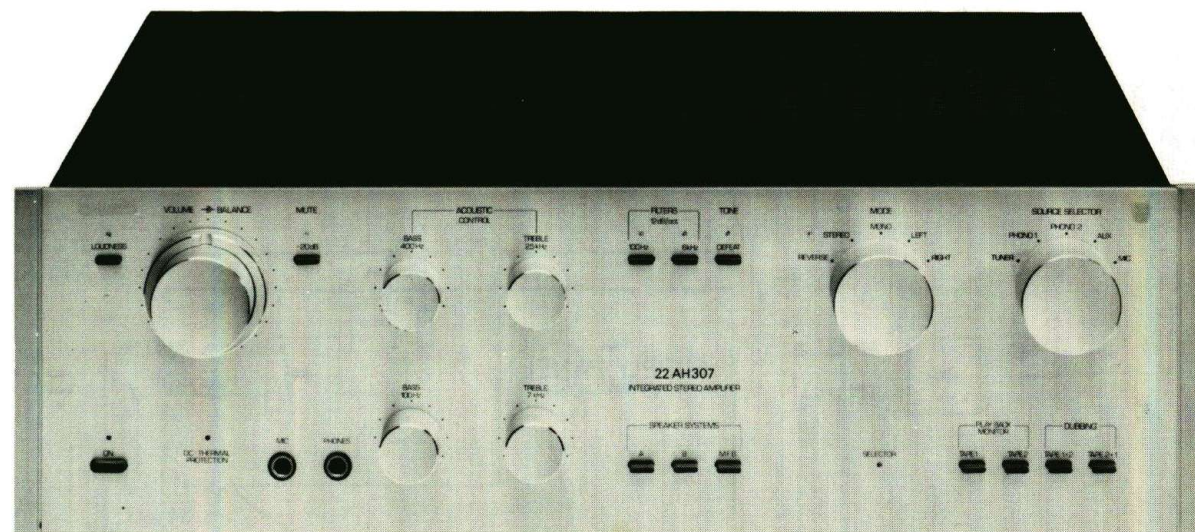
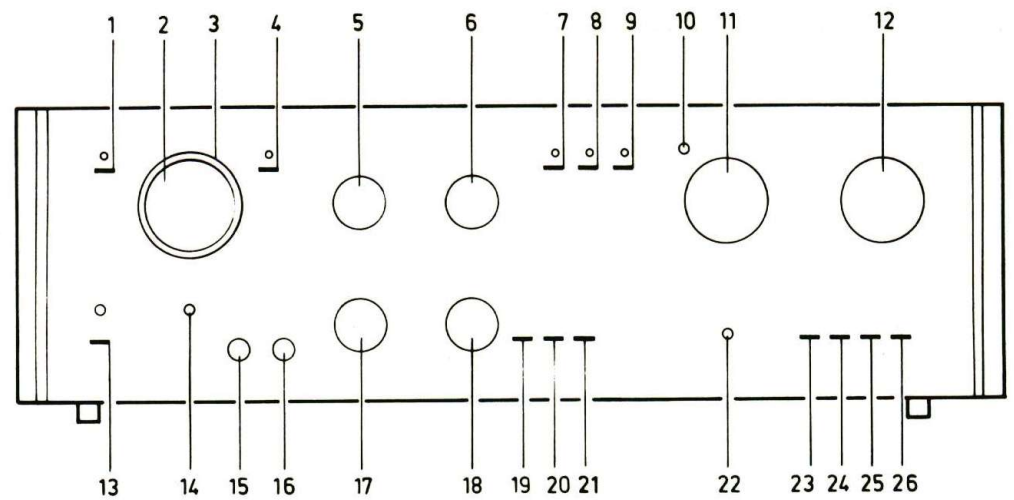


Service
Service
Service

Service Manual



20003A



18427C2

(GB)

- 1 Loudness
- 2 Volume
- 3 Balance
- 4 Mute
- 5 Acoustic control 400 Hz
- 6 Acoustic control 2,5 kHz
- 7 100 Hz filter
- 8 6 kHz filter
- 9 Tone defeat switch
- 10 Stereo indicator
- 11 Mode
- 12 Source selector
- 13 On/off
- 14 DC/thermal protection with LED indication
- 15 Microphone input
- 16 Headphones output
- 17 Bass control, 100 Hz
- 18 Treble control, 7 kHz
- 19 Loudspeaker system A
- 20 Loudspeaker system B
- 21 Loudspeaker system MFB
- 22 Selector indicator
- 23 Tape 1, monitor
- 24 Tape 2, monitor
- 25 Tape dubbing pushbutton 1→2
- 26 Tape dubbing pushbutton 2→1

- SK-C
R1293, 1294
R1291, 1292
SK-D
R1297, 1298
R1299, 1300
SK-G
SK-H
SK-K
D6324
SK-B
SK-A
SK-M
D6005
BU19
BU14
R1781, 1782
R1783, 1784
SK-N
SK-T
SK-U
D6001
SK-V
SK-W
SK-X
SK-Y
- Loudness
Volume
Balans
Mute
Akoestiek regelaar 400 Hz
Akoestiek regelaar 2,5 kHz
100 Hz - filter
6 kHz - filter
Uitschakelaar toonregeling
Stereo indikator
Mode
Functiekeuze
Aan/uit
DC/termische beveiligingsindicator
Microfoon ingang
Hoofdtelefoon uitgang
Lage tonen regelaar, 100 Hz
Hoge tonen regelaar, 7 kHz
Luidsprekersysteem A
Luidsprekersysteem B
Luidsprekersysteem MFB
Selector indikator
Tape 1/monitor
Tape 2/monitor
Tape-kopieerschakelaar 1→2
Tape-kopieerschakelaar 2→1

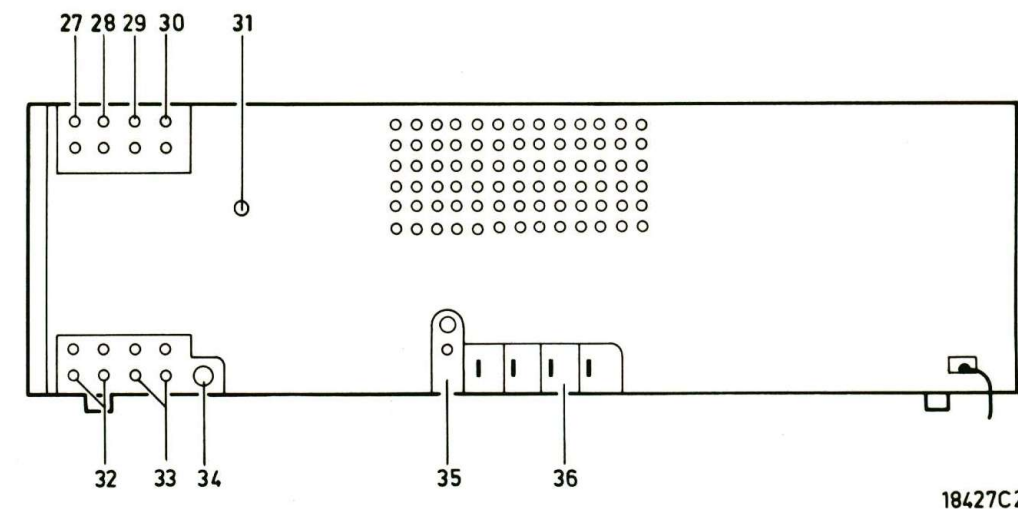
(F)

- 1 Contour (filtre physiologique)
- 2 Volume
- 3 Balance
- 4 Accord silencieux
- 5 Commande acoustique 400 Hz
- 6 Commande acoustique 2,5 Hz
- 7 Filtre 100 Hz
- 8 Filtre 6 kHz
- 9 Disjoncteur commandes de tonalité
- 10 Indicateur stéréo
- 11 Mode de fonctionnement
- 12 Sélecteur de fonctions
- 13 Marche/Arrêt
- 14 Indicateur courant continu/disjonction thermique
- 15 Entrée microphone
- 16 Entrée casque
- 17 Réglage de tonalité "grave", 100 Hz
- 18 Réglage de tonalité "aigu", 7 kHz
- 19 Système H-P "A"
- 20 Système H-P "B"
- 21 Système H-P "MFB"
- 22 Indicateur du sélecteur de fonctions
- 23 Magnétophone 1/Contrôle auditif à l'enregistrement
- 24 Magnétophone 2/Contrôle auditif à l'enregistrement
- 25 Commutateur de mixage magnétophone 1→2
- 26 Commutateur de mixage magnétophone 2→1

- SK-C
R1293, 1294
R1291, 1292
SK-D
R1297, 1298
R1299, 1300
SK-G
SK-H
SK-K
D6324
SK-B
SK-A
SK-M
D6005
BU19
BU14
R1781, 1782
R1783, 1784
SK-N
SK-T
SK-U
D6001
SK-V
SK-W
SK-X
SK-Y
- Gehörlicher Lautstärkeregler
Lautstärkeregler
Balance-Regler
Stummabstimmung ("mute")
Akustikregler 400 Hz
Akustikregler 2,5 Hz
100-Hz-Filter
6-kHz-Filter
Ausschalter Tonblende
Stereo-Indikator
Betriebsartenschalter
Funktionswahl
Ein/Aus-Schalter
Leuchtdiodenanzeige für Gleichstrom- und Wärmeschutz
Mikrophoneingang
Kopfhörerausgang
Tiefenregler, 100 Hz
Höhenregler, 7 kHz
Lautsprechersystem A
Lautsprechersystem B
Lautsprechersystem MFB
Betriebsartenanzeiger
Band 1/Monitor
Band 2/Monitor
Bandüberspielschalter 1→2
Bandüberspielschalter 2→1

(I)

- 1 Loudness
2 Volume
3 Bilanciamento
4 Mute
5 Controllo acustico 400 Hz
6 Controllo acustico 2,5 kHz
7 Filtro 100 Hz
8 Filtro 6 kHz
9 Commutatore tono defeat
10 Indicatore stereo
11 Mode
12 Selettore Source
13 On/off
- SK-C
R1293, 1294
R1291, 1292
SK-D
R1297, 1298
R1299, 1300
SK-G
SK-H
SK-K
D6324
SK-B
SK-A
SK-M
- 14 Protezione termica DC - con indicazione tramite LED
15 Ingresso microfono
16 Uscita per cuffia
17 Controllo bassi, 100 Hz
18 Controllo acuti, 7 kHz
19 Sistema altoparlanti "A"
20 Sistema altoparlanti "B"
21 Uscita MFB
22 Indicatore selezione
23 Monitor, tape 1
24 Monitor, tape 2
25 Tasto per copiatura nastro 1→2
26 Tasto per copiatura nastro 2→1
- D6005
BU19
BU14
R1781, 1782
R1783, 1784
SK-N
SK-T
SK-U
D6001
SK-V
SK-W
SK-X
SK-Y



18427C2

(GB)

- 27 Aux input
- 28 Tuner input
- 29 Phono 2 input
- 30 Phono 1 input
- 31 Earth screw
- 32 Tape 1 input/output
- 33 Tape 2 input/output
- 34 Tape 2 DIN input/output
- 35 MFB output
- 36 Loudspeaker outputs

- BU5
BU17
BU18
BU4
BU6,7
BU8,9
BU10
BU11
BU12...15
- Aux-ingang
Tuner-ingang
Phono 2 ingang
Phono 1 ingang
Aardschroef
Tape 1 in/uitgang
Tape 2 in/uitgang
Tape 2 DIN-in/uitgang
MFB uitgang
LS-uitgangen

(NL)

(F)

- 27 Entrée auxiliaire
- 28 Entrée tuner
- 29 Entrée phonocapteur 2
- 30 Entrée phonocapteur 1
- 31 Vis de masse
- 32 Entrée/sortie magnétophone 1
- 33 Entrée/sortie magnétophone 2
- 34 Entrée/sortie magnétophone 2, norme DIN
- 35 Sortie MFB
- 36 Sorties H-P

- BU5
BU17
BU18
BU4
BU6,7
BU8,9
BU10
BU11
BU12...15
- Auxiliary-Eingang
Tuner-Eingang
Eingang für Phono 2
Eingang für Phono 1
Erdungsschraube
Ein/Ausgang für Band 1
Ein/Ausgang für Band 2
DIN-Ein/Ausgang für Band 2
MFB-Ausgang
LS-Ausgänge

(D)

(I)

- 27 Ingresso ausiliario
- 28 Ingresso tuner
- 29 Ingresso phono 2
- 30 Ingresso phono 1
- 31 Vite per massa
- 32 Tape 1 input/output
- 33 Tape 2 input/output
- 34 Tape 2 DIN input/output
- 35 MFB output
- 36 Uscite altoparlanti

(GB)

Power supply voltage —/00 220 V AC 50 Hz
—/15 240 V AC 50 Hz
—/28 220 V AC/127 V AC 50 Hz

Power consumption 26-225 W
Dimensions 458x350x150 mm

Inputs (1 kHz)

Phono 1 2,5 mV/47 k Ω
Phono 2 2,5 mV/47 k Ω
Tape 1 150 mV/100 k Ω
Tape 2 150 mV/100 k Ω
Aux 150 mV/50 k Ω
Microphone 1 mV/2 k Ω
Tuner 150 mV/100 k Ω

Outputs (1 kHz)

Tape 1 150 mV
Tape 2 150 mV
Tape 2 DIN 13 mV/47 k Ω
2x2 Loudspeakers 2x60 W/8 Ω , d $\leq$ 0,08 %
Headphones 50 mW/100 Ω
MFB 3 V/300 Ω

(NL)

Voedingsspanning

Opgenomen vermogen

Afmetingen

Ingangen (1 kHz)

Platenspeler MD1
Platenspeler MD2
Tape 1
Tape 2
Aux
Microfoon
Tuner

Uitgangen (1 kHz)

Tape 1
Tape 2
Tape 2 DIN
Luidsprekers (2x2)
Hoofdtelefoon
MFB

(F)

Tension d'alimentation

—/00 220 V~ 50 Hz
—/15 240 V~ 50 Hz
—/28 220 V~/127 V~ 50 Hz

Puissance absorbée 26-225 W
Dimensions 458x350x150 mm

Entrées (1 kHz)

Phonocapteur 1 2,5 mV/47 k Ω
Phonocapteur 2 2,5 mV/47 k Ω
Magnétophone 1 150 mV/100 k Ω
Magnétophone 2 150 mV/100 k Ω
Aux. 150 mV/50 k Ω
Microphone 1 mV/2 k Ω
Tuner 150 mV/100 k Ω

Sorties (1 kHz)

Magnétophone 1 150 mV
Magnétophone 2 150 mV
Magnétophone 2 prise DIN 13 mV/47 k Ω
Enceintes (2x2) 2x60 W/8 Ω , d $\leq$ 0,08 %
Casque 50 mW/100 Ω
MFB 3 V/300 Ω

(D)

Versorgungsspannung

Leistungsaufnahme
Abmessungen

Eingänge (1 kHz)

Phono 1
Phono 2
Band 1
Band 2
Auxiliary
Mikrofon
Tuner

Ausgänge (1 kHz)

Band 1
Band 2
Band 2 (DIN-Buchse)
Lautsprecher (2x2)
Kopfhörer
MFB-Lautsprecher

(I)

Tensione alimentazione

Potenza assorbita
Dimensioni

Ingressi (1 kHz)

Phono 1
Phono 2
Registratore 1
Registratore 2
Ausiliario
Microfono
Sintonizzatore

Uscite (1 kHz)

Registratore 1
Registratore 2
Registratore 2
2 DIN
2x2 casse acustiche
Cuffia
MFB

(GB)

For more detailed technical specifications please consult commercial documentation.

(F)

Pour l'obtention de données techniques plus détaillées veuillez consulter la documentation commerciale.

(NL)

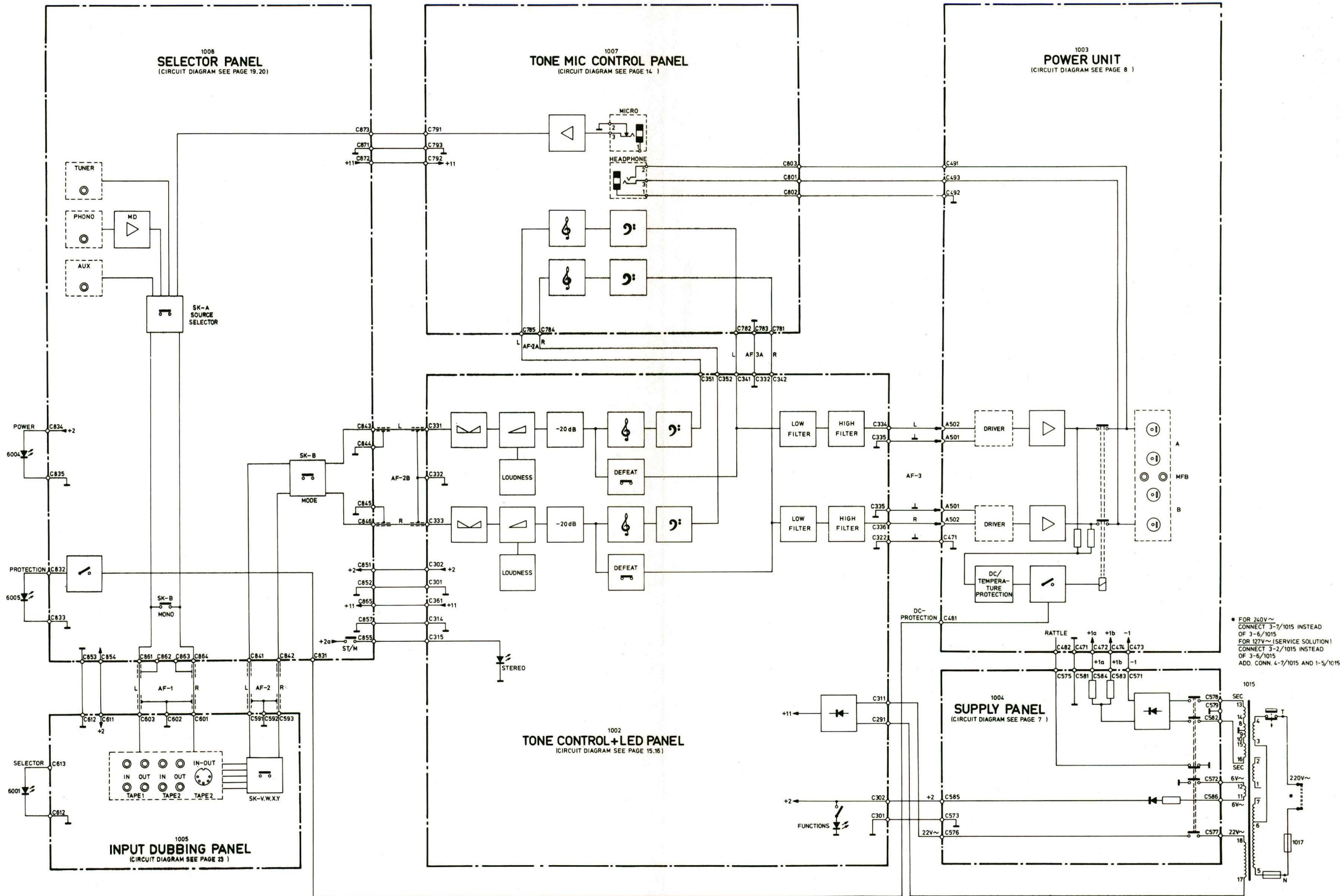
Voor meer uitgebreide technische specificaties gelieve de commerciële documentatie te raadplegen.

(D)

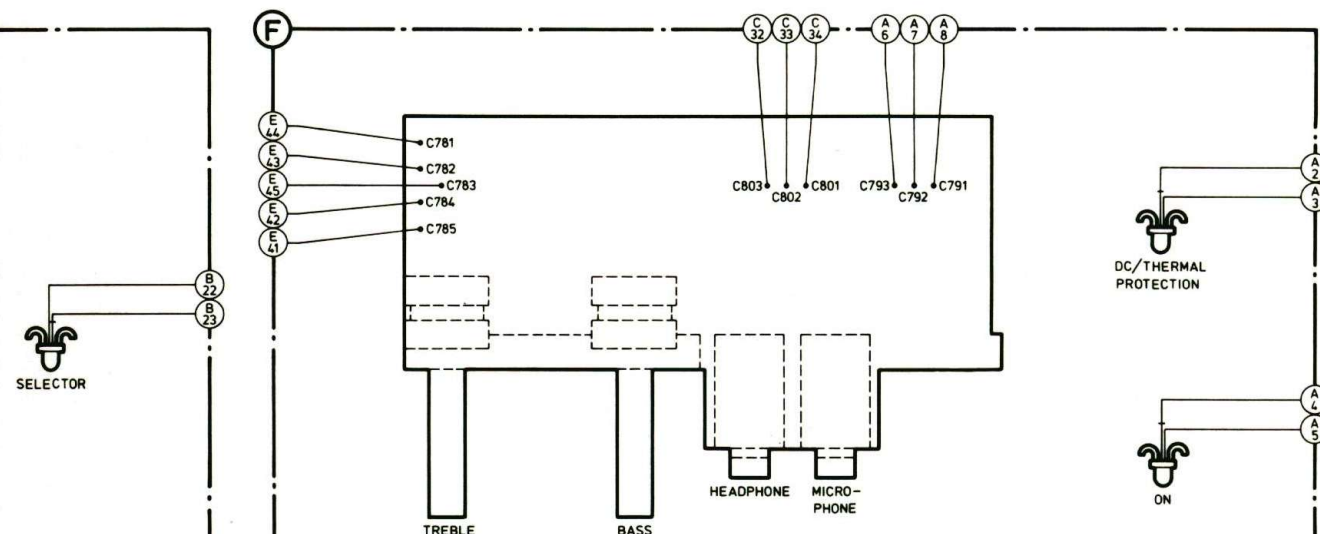
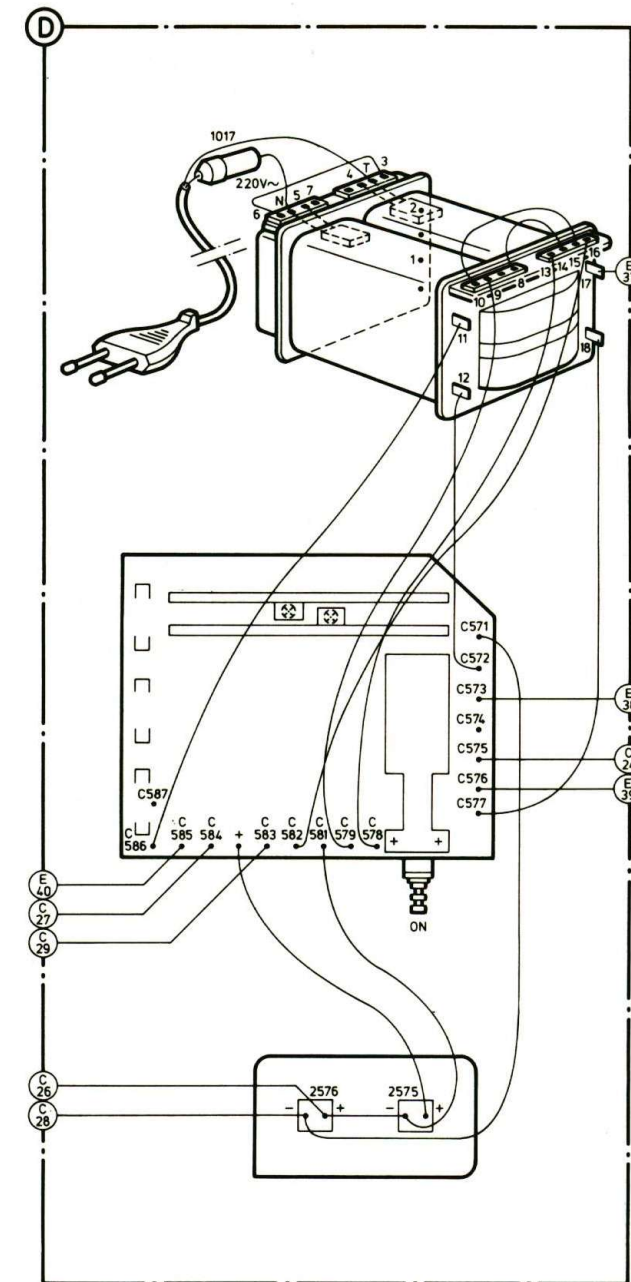
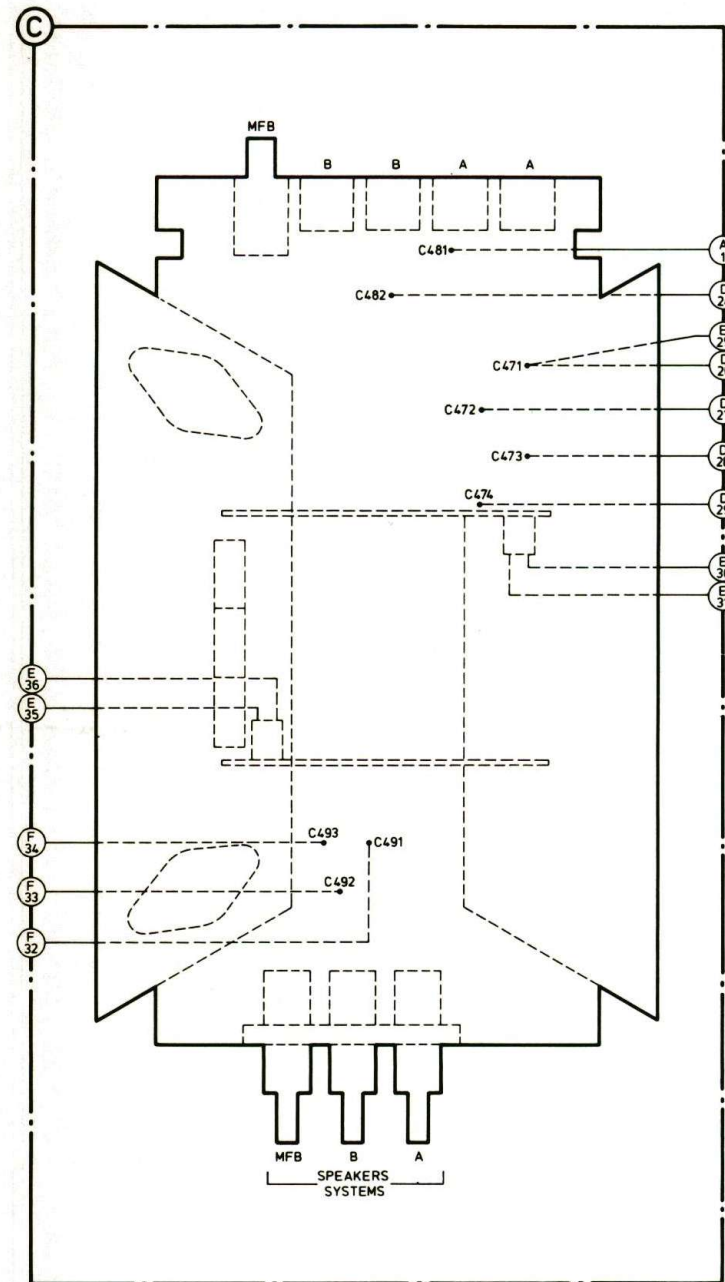
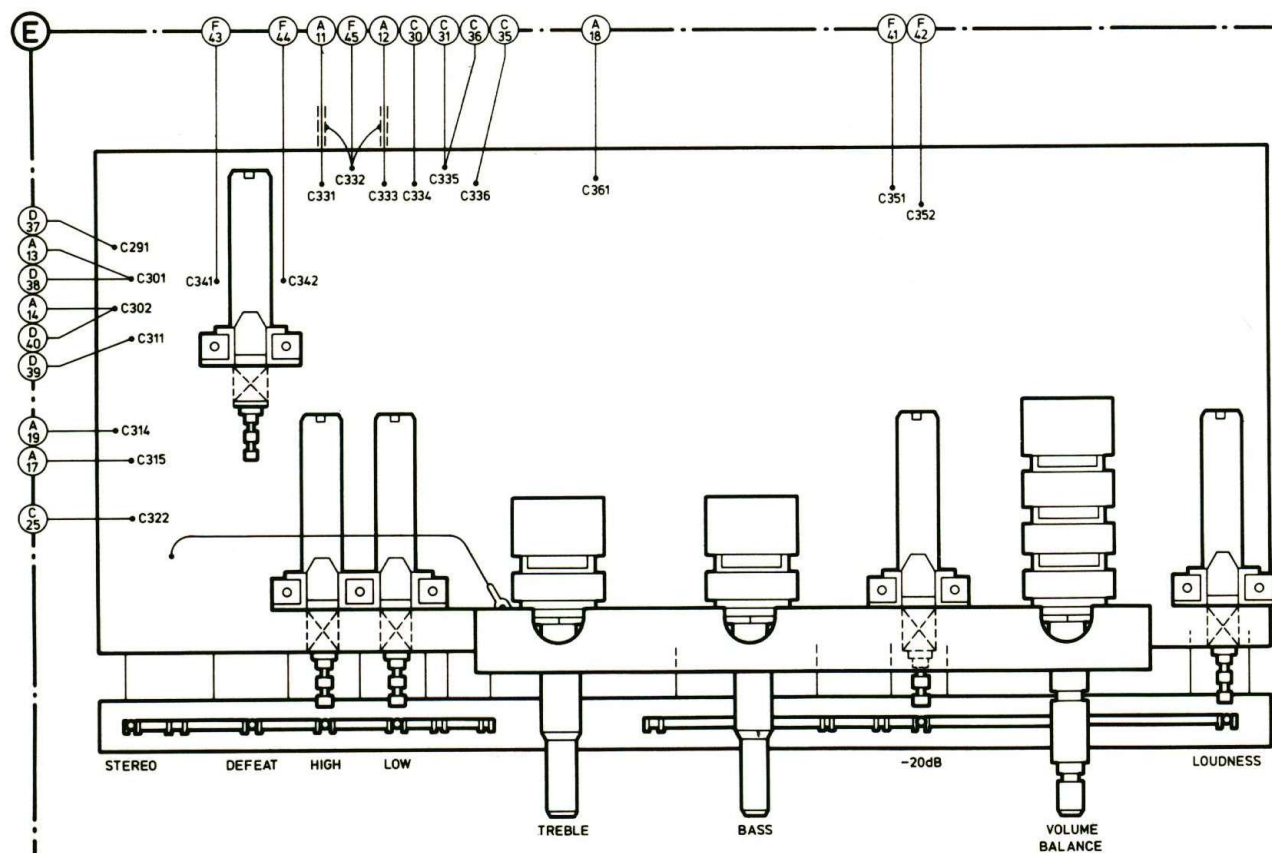
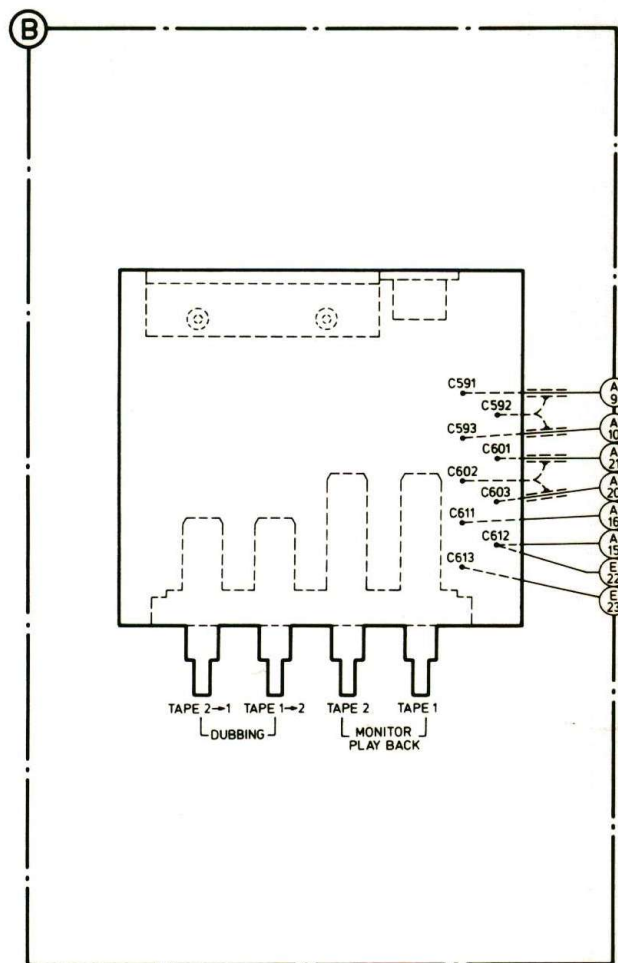
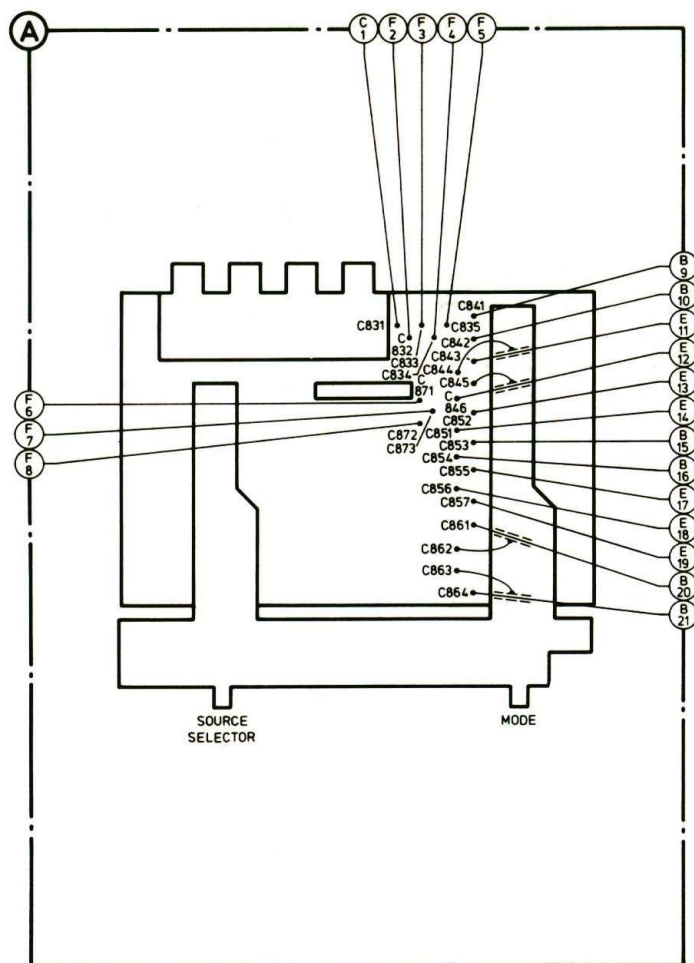
Für eine mehr detaillierte technische Spezifikation verweisen wir auf die kommerzielle Dokumentation.

(I)

In modo da ottenere dati tecnici più particolareggiati, vi preghiamo di riferirvi alla documentazione commerciale.

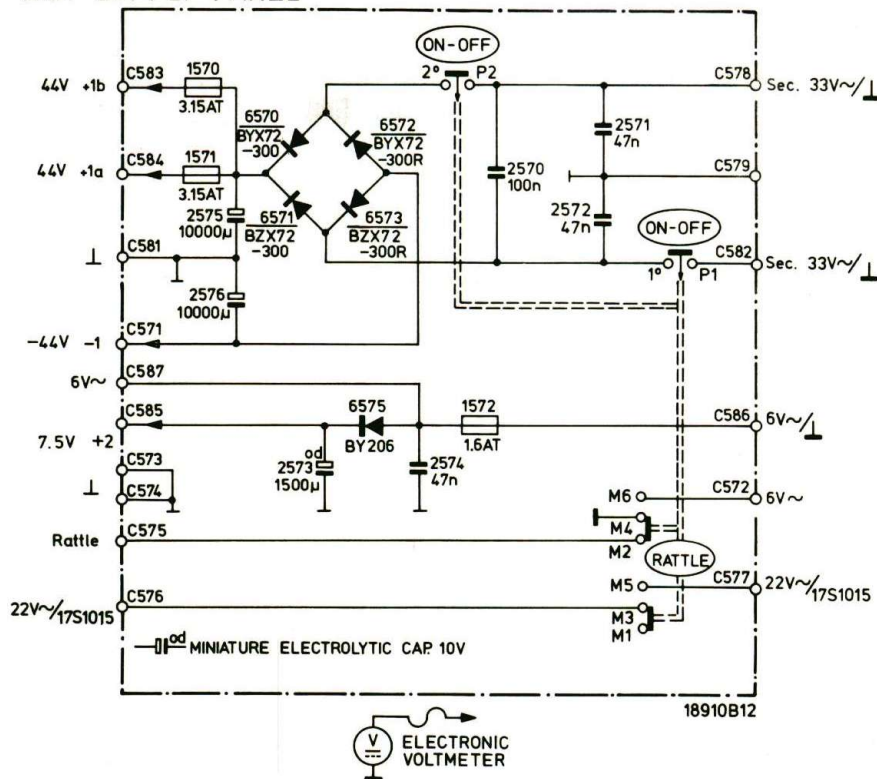


• FOR 240V~
CONNECT 3-7/1015 INSTEAD
OF 3-6/1015
FOR 127V~(SERVICE SOLUTION)
CONNECT 3-2/1015 INSTEAD
OF 3-6/1015
ADD. CONN. 4-7/1015 AND 1-5/1015



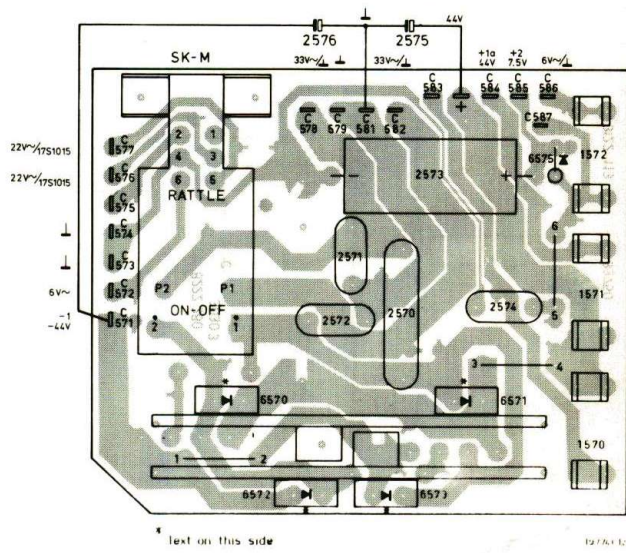
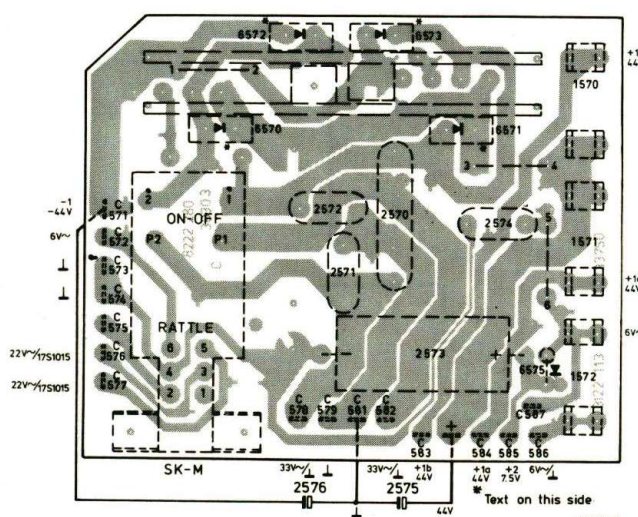
MISC	1570.1571	D6572.6575	1572
C	2575.2576	2573	2574 2570 2572.2571

1004 SUPPLY PANEL



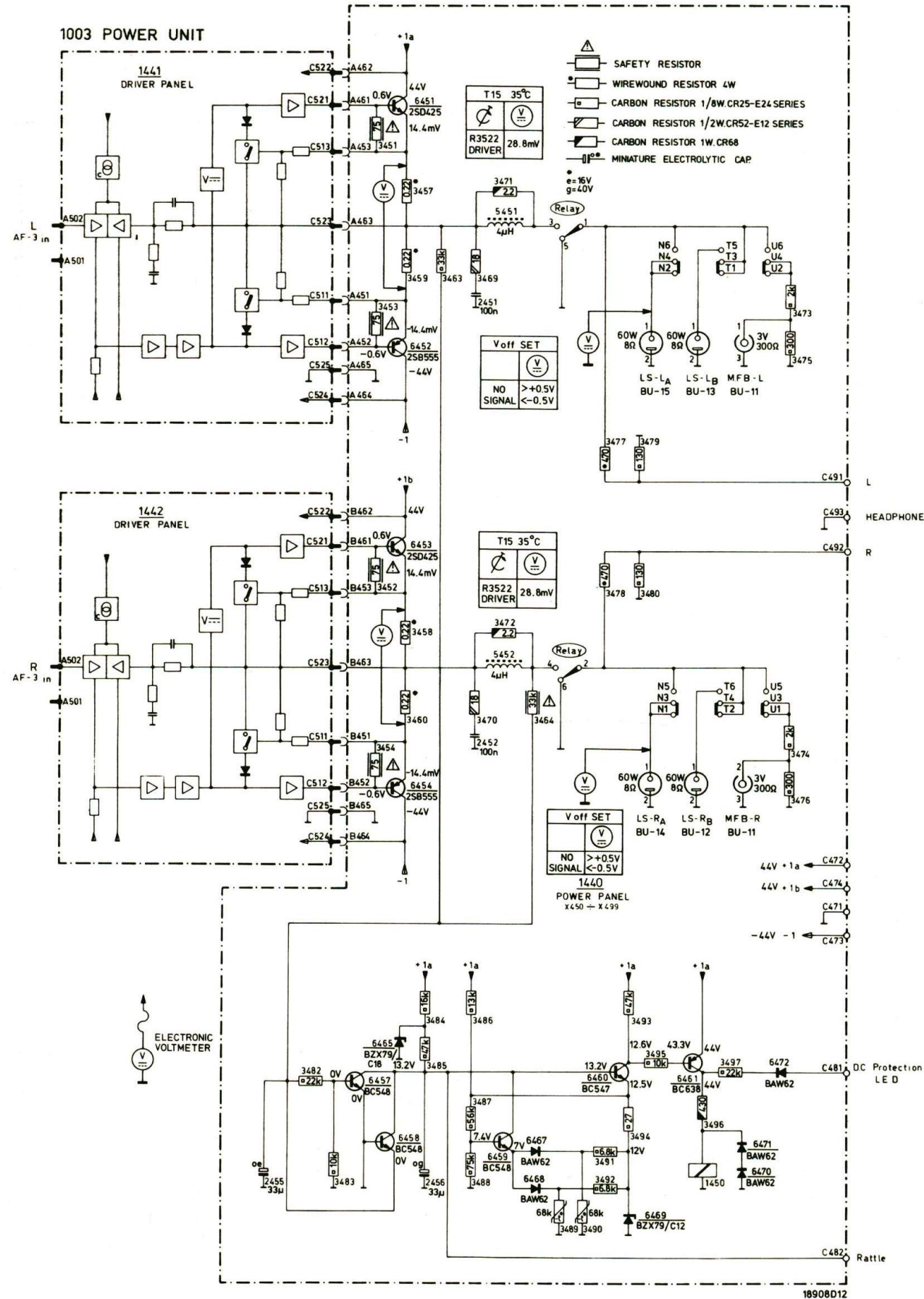
C	2572.2571	2570	2574
D	2576	2575.2573	2574

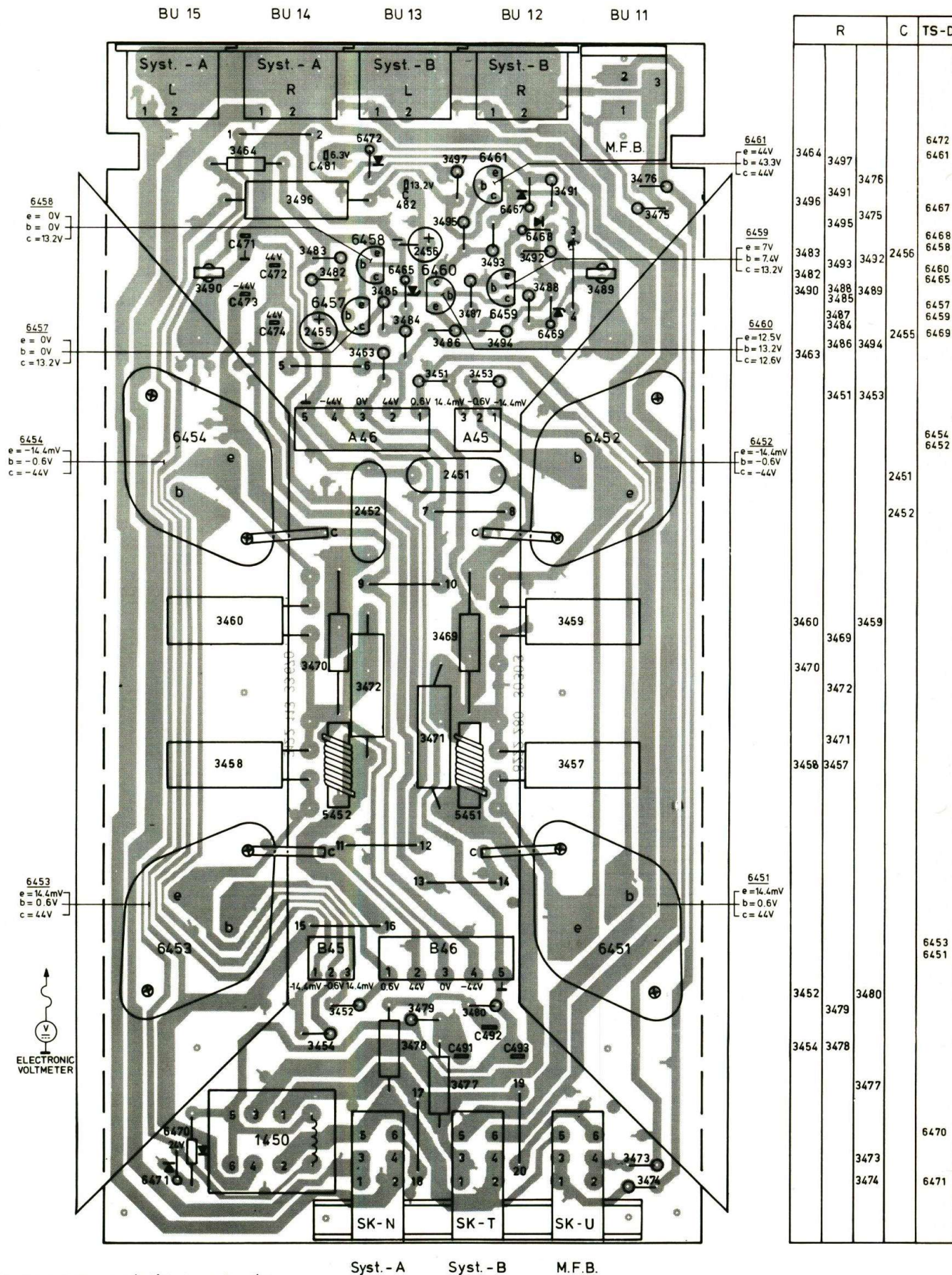
C	2576	2575.2573	2574
D	6570.6572	6573	6571.6575



MISC	1441.1442	TS6457.6458.6451...6454. D6465. L5451.5452. TS6459. D6467...6469. TS6460.6461.1450. BU-11...15. D6470...6472
C	2450	2456 2451.2452
R		3482.3483.3451...3454.3457...3460.3463.3484...3488.3469...3472.3469.3489...3494.3477...3480.3495...3497.3473...3476

1003 POWER UNIT

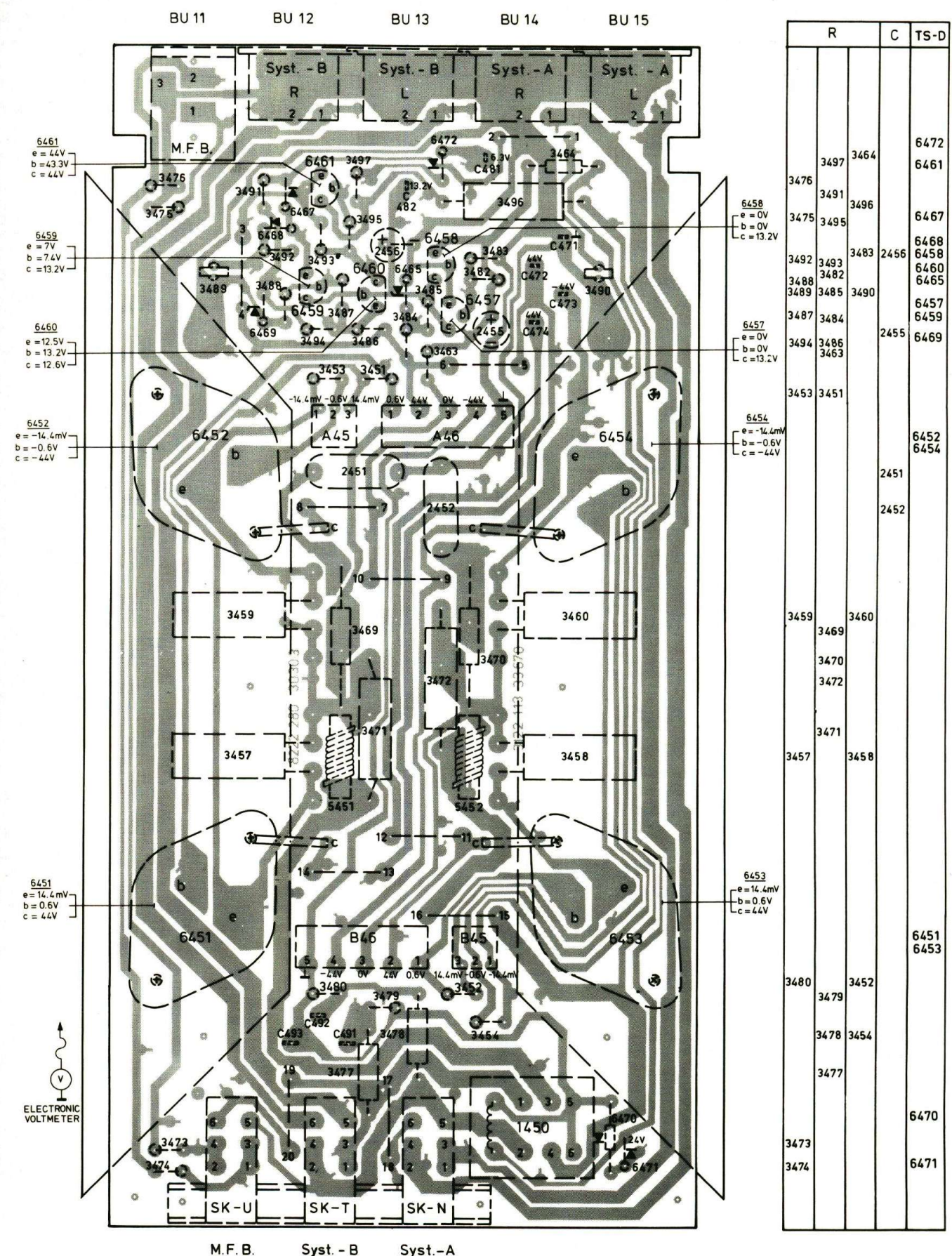




To be mounted at a certain height from the print.
3469, 3470, 3471, 3472, 3477, 3478, 3496.

Syst. - A	Syst. - B	M.F.B.
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18611D12

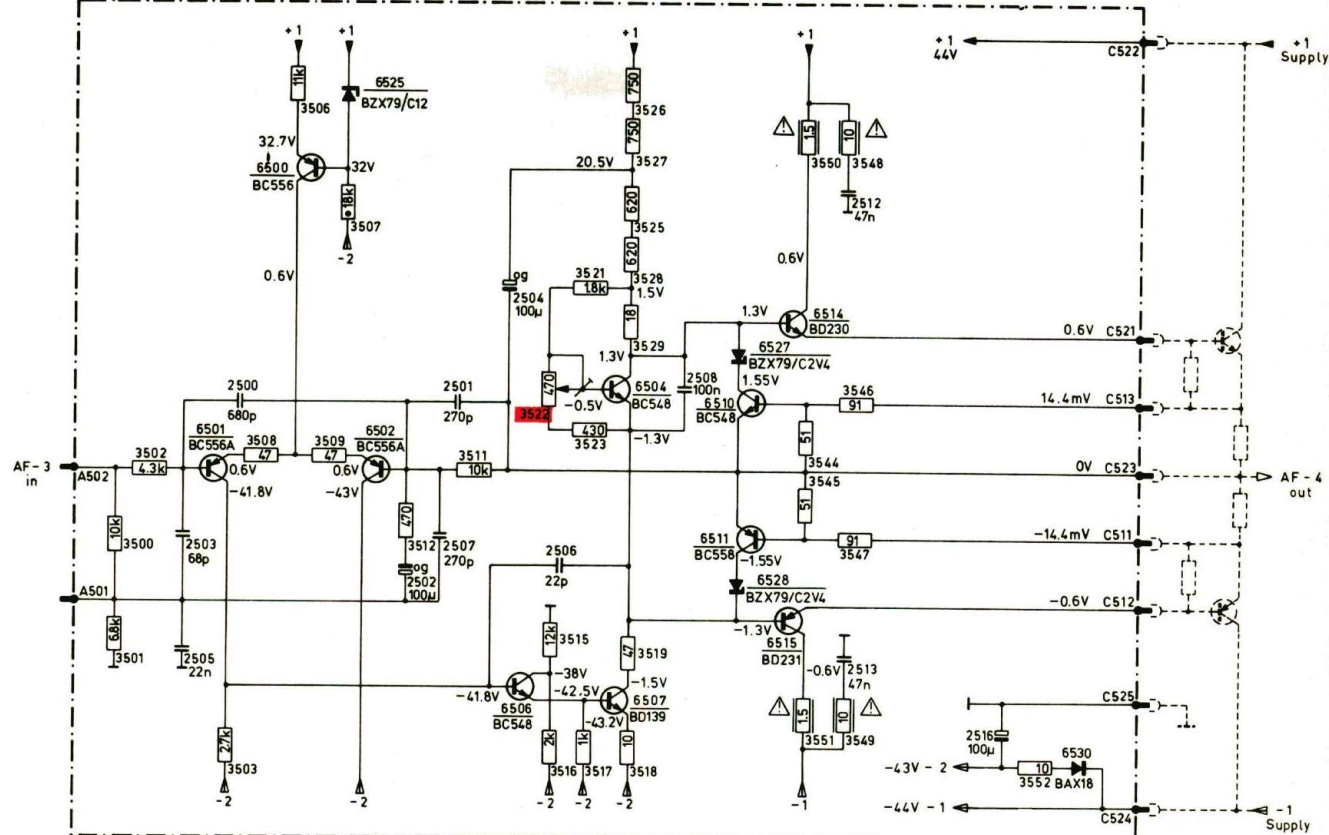


To be mounted at a certain height from the print.
3469, 3470, 3471, 3472, 3477, 3478, 3496

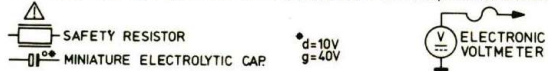
M.F.B. Syst. - B Syst.-A

MISC	6501	6500	6525, 6502	6506	6504, 6507, 6510, 6511, 6527, 6528, 6515, 6514	6530
C	2503, 2505, 2500		2502, 2507, 2501, 2504, 2506	2508	2512, 2513	2516
R	3500...3502	3503	3506...3509	3512	3511, 3521...3523, 3515...3519, 3525...3529, 3550, 3551, 3544...3547, 3548, 3549	3552

1441 DRIVER PANEL

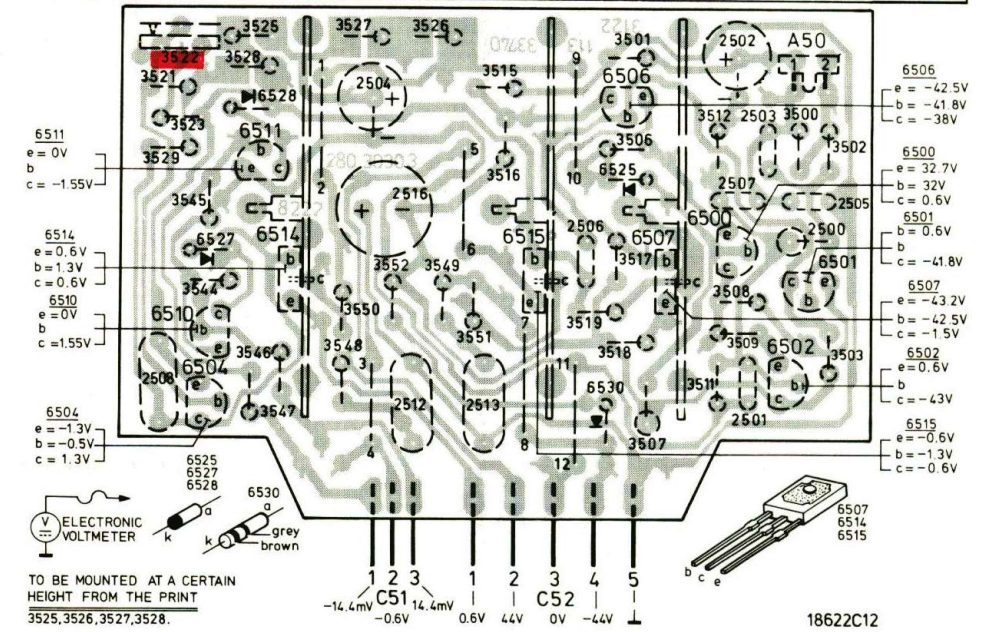


ALL RESISTORS ARE 1/8W, CR25-E24 SERIES, EXCEPT R3507=1/4W, CR37-E12 SERIES



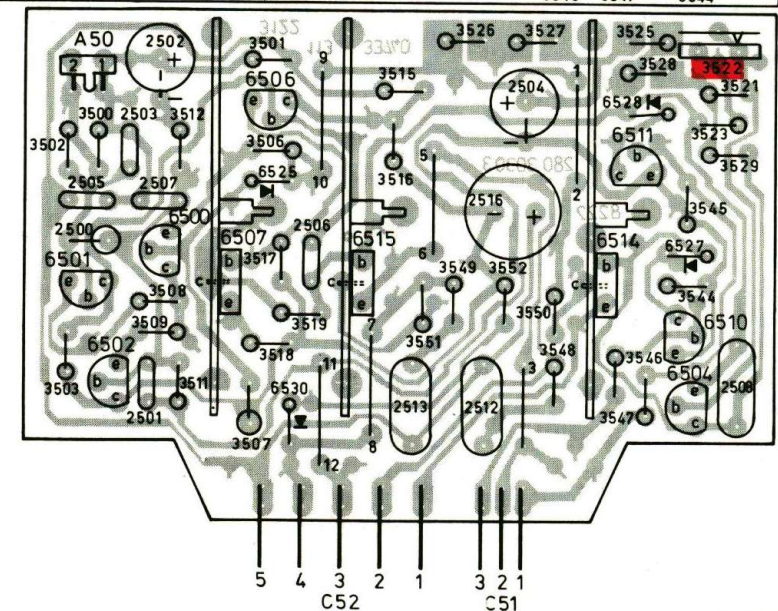
17464C12

D	6527	6528	6530, 6525
TS	6510, 6504, 6511, 6514	6515	6506, 6507, 6500, 6502, 6501
C	2508	2512, 2513	2506, 2502, 2503, 2505
R	3522, 3525, 3527, 3526, 3515, 3501, 3512, 3500	3522, 3528, 3523, 3549, 3516, 3506, 3508, 3502	3521, 3545, 3546, 3550, 3551, 3519, 3517, 3509, 3529, 3544, 3547, 3548, 3518, 3507, 3511, 3503



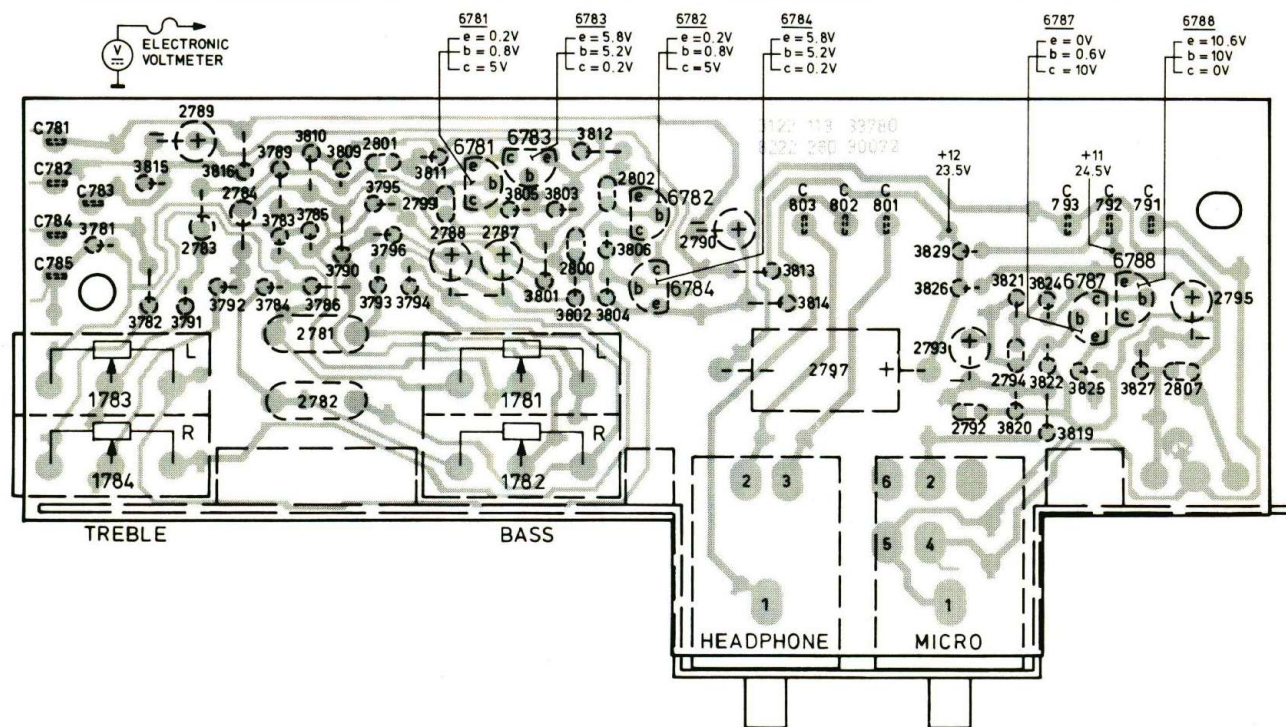
18622C12

D	6525, 6530	6528	6527
TS	6501, 6502, 6500, 6507, 6506	6515	6514, 6511, 6510, 6504
C	2505, 2503, 2502	2506	2516, 2504
R	3500, 3512, 3501, 3515, 3526, 3527, 3525, 3522	3522, 3528, 3523, 3549, 3516, 3552, 3528, 3523, 3521	3503, 3509, 3511, 3507, 3518, 3548, 3547, 3544



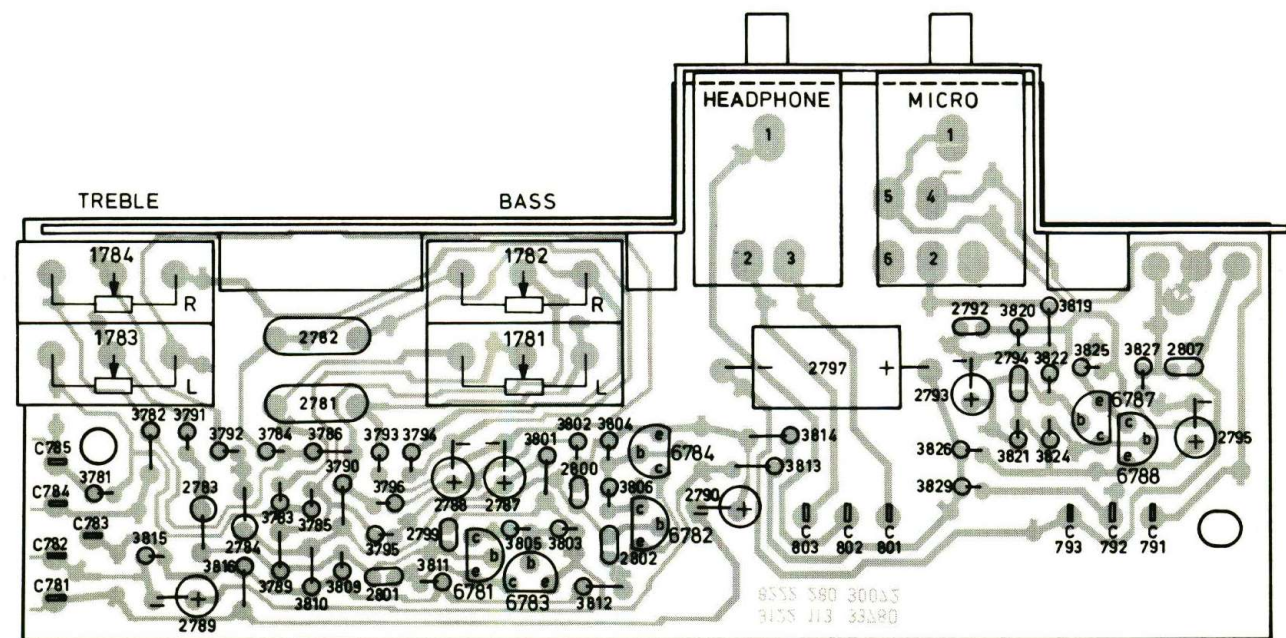
18621C12

MISC	6781,6783				6782,6784				6787,6788			
C	2783	2782	2788	2787	2800	2797	2792	2794	2807			
	2789	2784	2781	2801	2799	2802	2790	2793	2795			
R	3782	3791	3792	3784	3786	3793	3794	3802	3804	3820	3819	
	3781	3783,3785,3790	3797		3801			3822	3825	3827		
	3815	3809	3795		3805	3803	3806	3814	3826	3821	3824	
	3816	3789,3810	3811		3812			3813	3829			



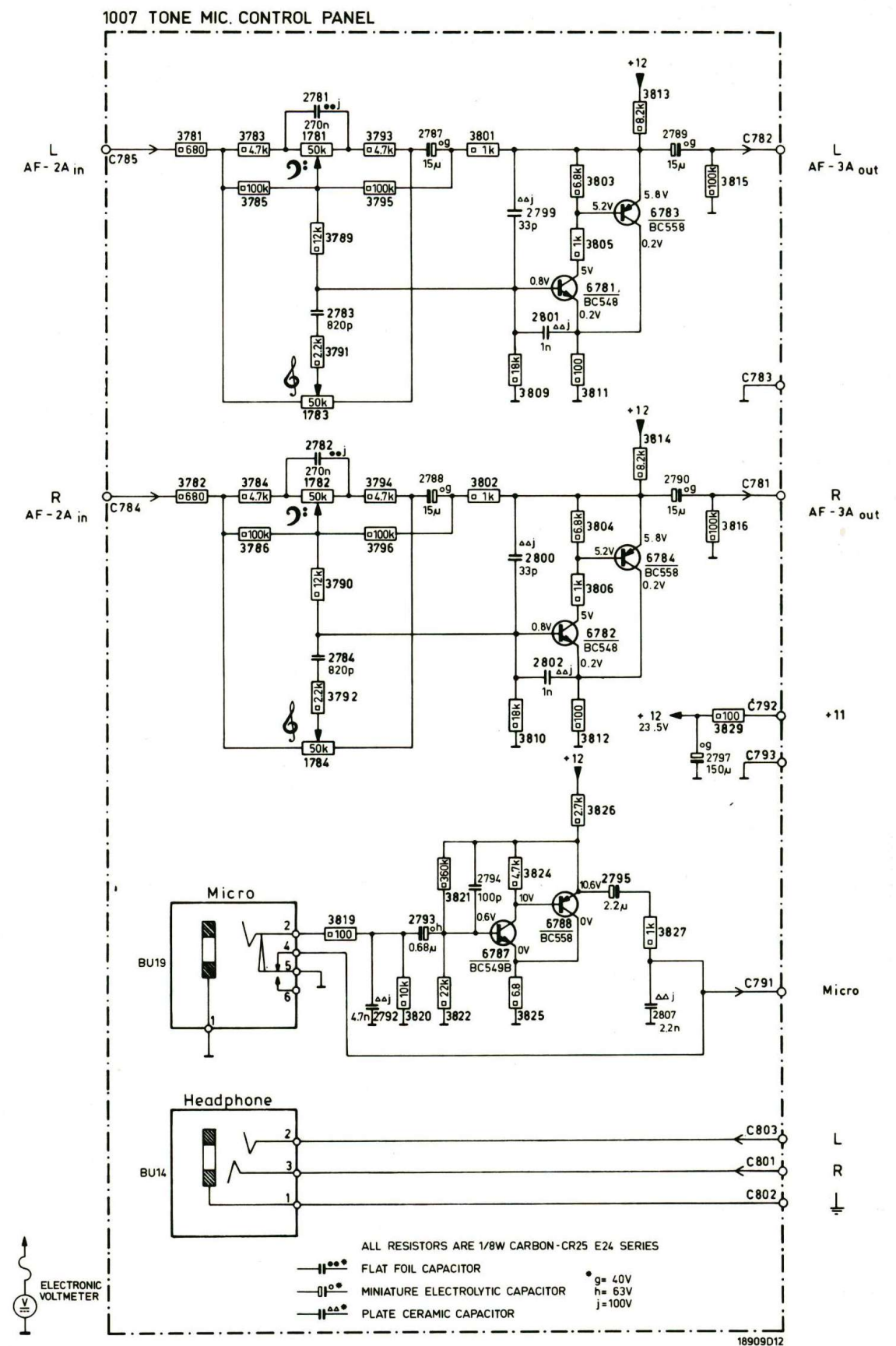
19000D12

MISC	6781,6783				6782,6784				6787,6788			
C	2783	2782	2788	2787	2800	2797	2792	2794	2807			
	2789	2784	2781	2801	2799	2802	2790	2793	2795			
R	3782	3791	3792	3784	3786	3793	3794	3802	3804	3820	3819	
	3781	3783,3785,3790	3796		3801			3822	3825	3827		
	3815	3809	3795		3805	3803	3806	3814	3826	3821	3824	
	3816	3789,3810	3811		3812			3813	3829			



19001D12

MISC	C	R
2781	3813	
2787	3783	
2789	3781	
6783	2799	3795
6781	2783	3791
2781	2783	3809
2781	2783	3811
2781	2783	1783
2782	3814	
2788	3784	
2790	3794	
6784	2800	3790
6782	2784	3792
2782	2802	3810
2782	2802	3812
2782	2802	3814
2782	2802	3816
2782	2802	3818
2782	2802	3820
2782	2802	3822
2782	2802	3824
2782	2802	3826
2782	2802	3828
2782	2802	3830
2782	2802	3832
2782	2802	3834
2782	2802	3836
2782	2802	3838
2782	2802	3840
2782	2802	3842
2782	2802	3844
2782	2802	3846
2782	2802	3848
2782	2802	3850
2782	2802	3852
2782	2802	3854
2782	2802	3856
2782	2802	3858
2782	2802	3860
2782	2802	3862
2782	2802	3864
2782	2802	3866
2782	2802	3868
2782	2802	3870
2782	2802	3872
2782	2802	3874
2782	2802	3876
2782	2802	3878
2782	2802	3880
2782	2802	3882
2782	2802	3884
2782	2802	3886
2782	2802	3888
2782	2802	3890
2782	2802	3892
2782	2802	3894
2782	2802	3896
2782	2802	3898
2782	2802	3900
2782	2802	3902
2782	2802	3904
2782	2802	3906
2782	2802	3908
2782	2802	3910
2782	2802	3912
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2782	2802	3918
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2782	2802	3922
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2782	2802	3928
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2782	2802	3932
2782	2802	3934
2782	2802	3936
2782	2802	3938
2782	2802	3940
2782	2802	3942
2782	2802	3944
2782	2802	3946
2782	2802	3948
2782	2802	3950
2782	2802	3952
2782	2802	3954
2782	2802	3956
2782	2802	3958
2782	2802	3960
2782	2802	3962
2782	2802	3964
2782	2802	3966
2782	2802	3968
2782	2802	3970
2782	2802	3972
2782	2802	3974
2782	2802	3976
2782	2802	3978
2782	2802	3980
2782	2802	3982
2782	2802	3984
2782	2802	3986
2782	2802	3988
2782	2802	3990
2782	2802	3992
2782	2802	3994
2782	2802	3996
2782	2802	3998
2782	2802	4000



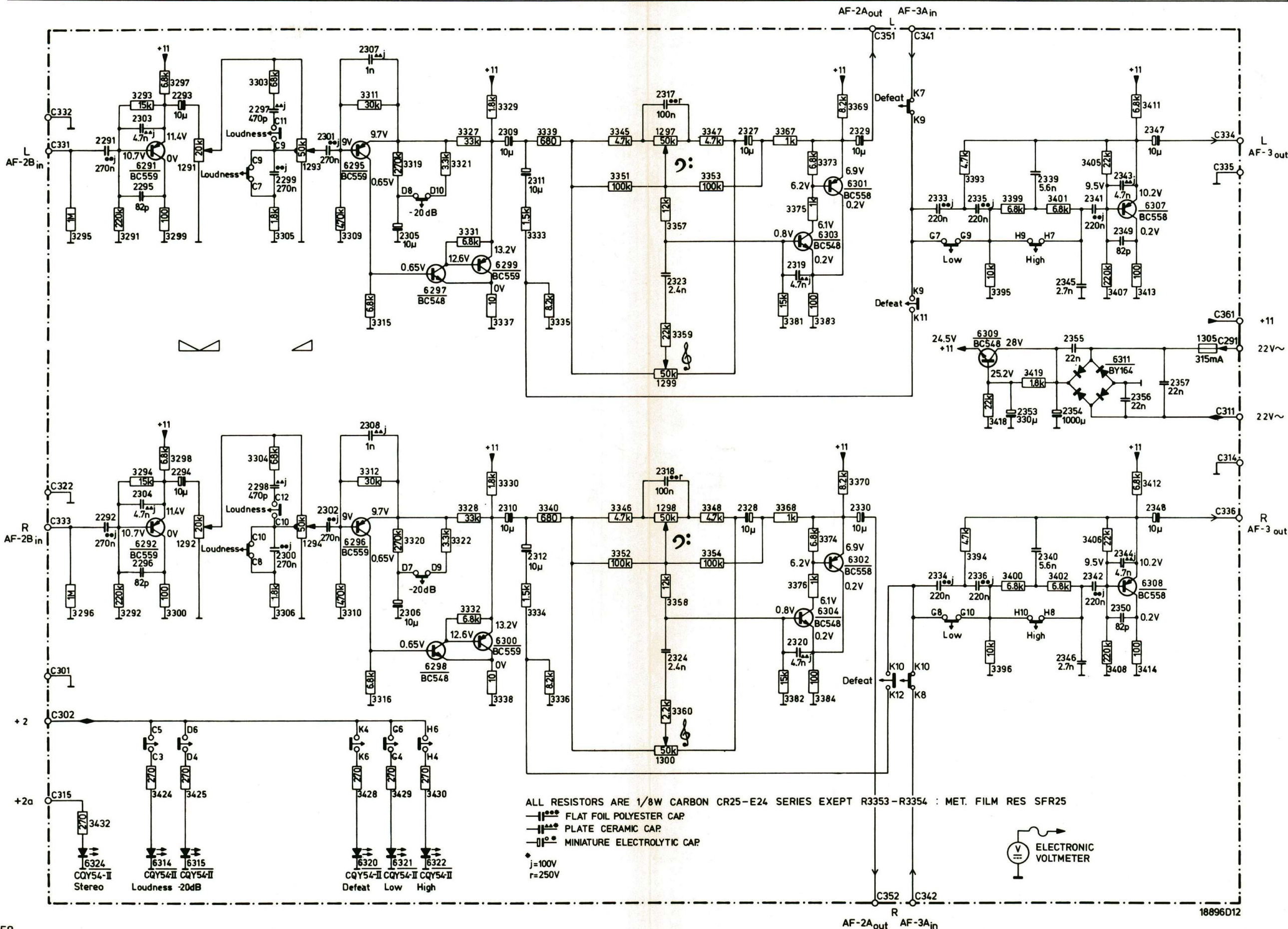
18909D12

1002 TONE CONTROL

15

16

MISC	D6324, D6314, 6315, TS6291, 6292	TS6295, 6296, D6320, 6322, TS6297, 6300	TS6301, 6304	TS6309	D6311, TS6307, 6308	1305
C	2291, 2292, 2303, 2304, 2293, 2295	2297, 2299, 2300, 2302, 2305, 2308	2309, 2312	2317, 2318, 2323, 2324, 2327, 2328	2319, 2320, 2329, 2330	2333, 2335, 2353, 2339, 2345, 2354, 2357, 2347, 2350
R	3295, 3291, 3293, 3297, 3299, 1291	3303, 3305, 1293, 3309, 3311, 3319, 3321, 3327, 3331, 3329, 3333, 3339	3345, 3351, 1297, 3357, 3347, 3353	3367, 3373, 3375, 3369	3393, 3395, 3399	3401, 3405, 3407, 3411, 3413
R	3432	3294, 3298, 1292, 3304, 1294, 3312, 3315, 3320, 3322, 3328, 3330, 3337, 3335, 3340	3352, 3346, 1298, 1299, 3359, 3348, 3354, 3368, 3381, 3383, 3374, 3370	3394, 3418, 3419	3406, 3412	
R	3296	3292, 3424, 3425, 3300	3306, 3310, 3316, 3428, 3430, 3332, 3338, 3334, 3336	3338, 3360, 1300	3382, 3376, 3384	3396, 3400, 3402, 3408, 3414



M	1291-1294										1297-1298										1299-1300										1305									
TS, D	6314	6295	6300				6301-6304				6315				6291	6292				6307	6308				6309	6321			6322				6320	6311			6324			
R	3316 3312 3328 3330										3335	3316	3370	3367	3368	3297			3293	3294			3411	3412			3408	3407	3418	3295			6320			6311			6324	
	3311	3327	3310	3332				3333	3334	3369	3376	3374	3358	3354	3353	3299	3291	3300	3292				3405			3406				3419	3296									
	3315	3331	3318	3329	3322	3320	3373	3381	3384	3352	3351	3357 3348 3347			3298						3393	3394	3396 3395			3399	3400	3402												
	3309	3303	3337	3306	3319	3321	3375			3340	3382	3346										3413	3414				3401													
	3424 3304 3305										3383			3339	3425	3345							3360			3359				3429	3430	3428				3432				
C	2302		2308	2310			2312				2329		2293		2294	2304					2347		2291																	
	2307		2311						2330					2303		2296				2349		2343	2292	2342										2357						
	2301		2309			2319			2320	2327	2328				2295							2344	2350	2348	2341	2353	2354					2355								
	2298					2306		2305			2318			2317							2333	2334	2335	2336	2340	2339							2356							
	2297		2299	2300																		2324	2323			2346	2345													

6295/6296 6297/6298 6299/6300 6301/6302 6303/6304

e=9.7 V e=0 V e=13.2V e=6.9V e=0.2V
b=9 V b=0.85V b=12.6V b=6.2V b=0.8V
c=0.05V c=0.25V c=0 V c=0.2V c=6.1V

6291/6292

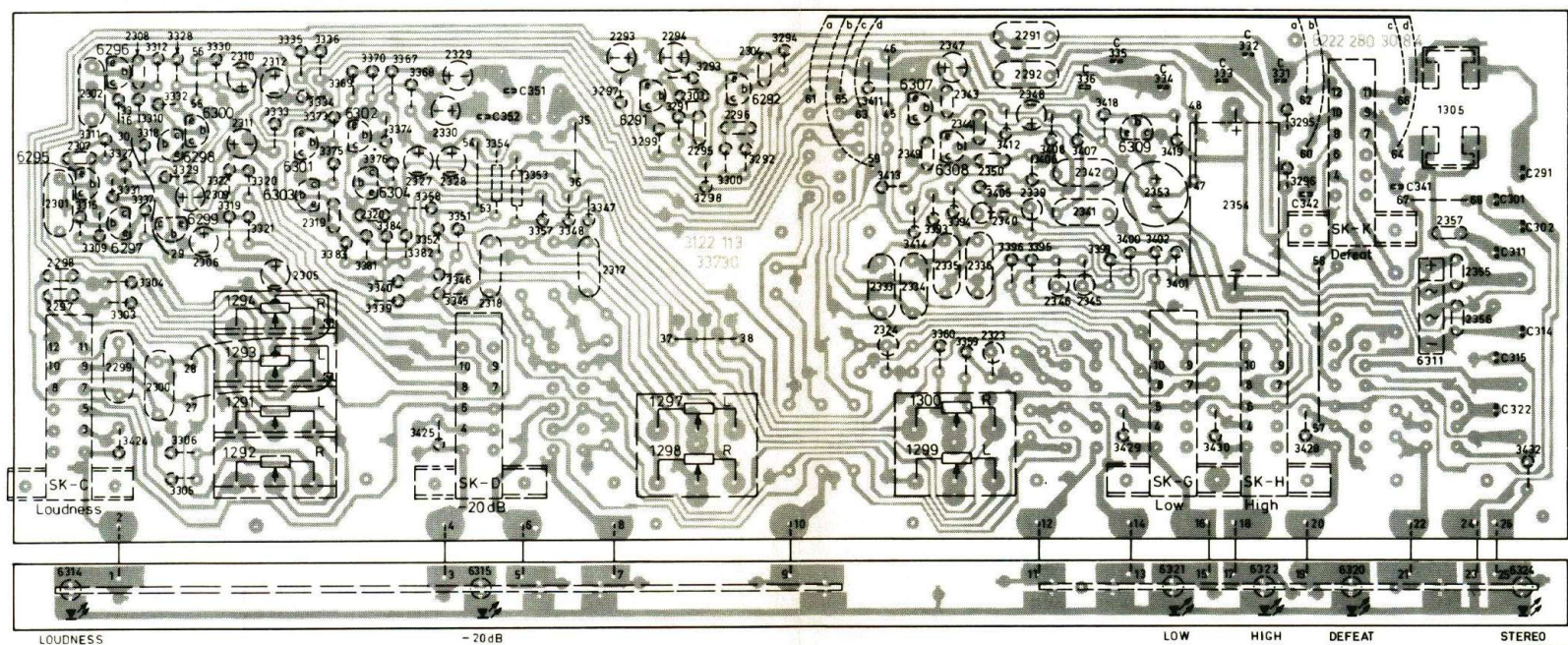
e=11.4V e=10.7V e=0.2V
b=9.5V b=10.7V b=0.2V
c=0 V c=0.2V c=0.2V

6307/6308

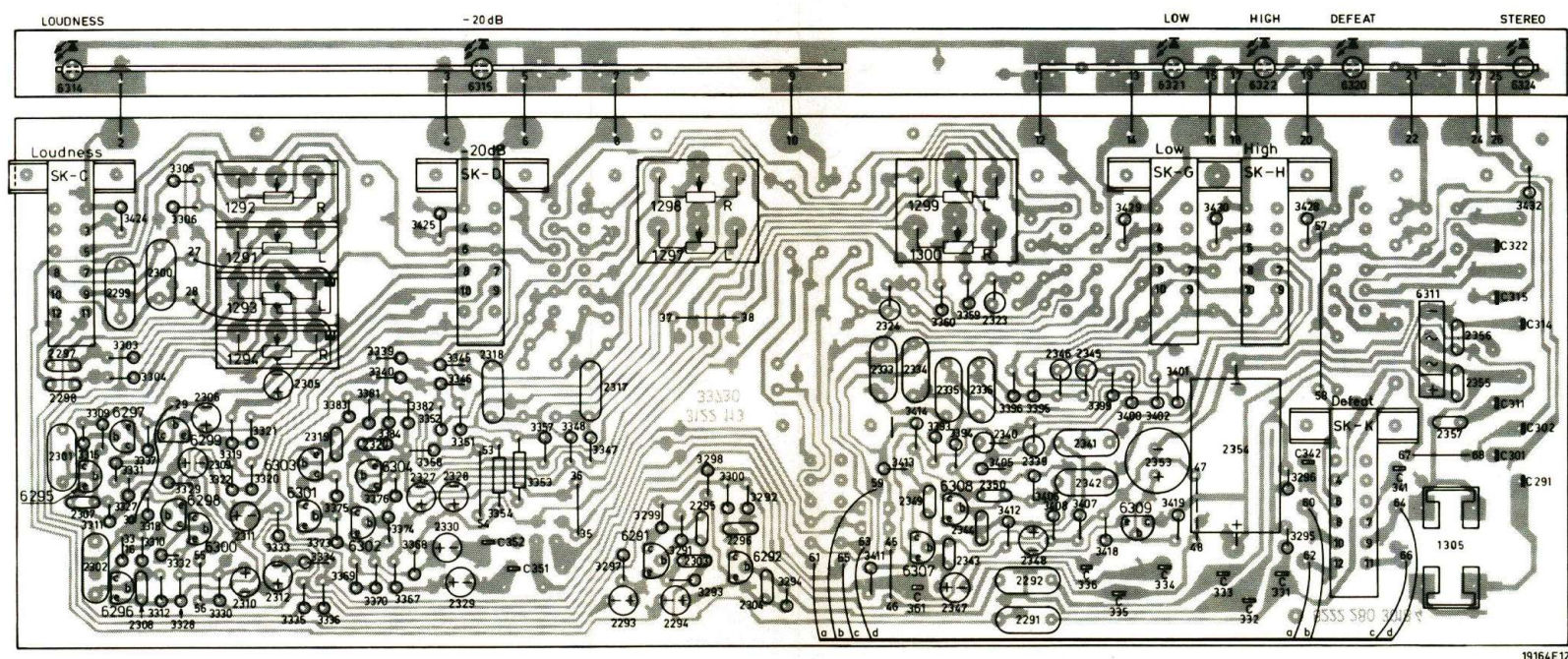
e=10.2V e=9.5V e=0.2V
b=11.2V b=9.5V b=0.2V
c=0.2V c=0.2V c=0.2V

6309

e=24.5V e=25.2V e=28 V
b=24.5V b=25.2V b=28 V
c=28 V c=28 V c=28 V

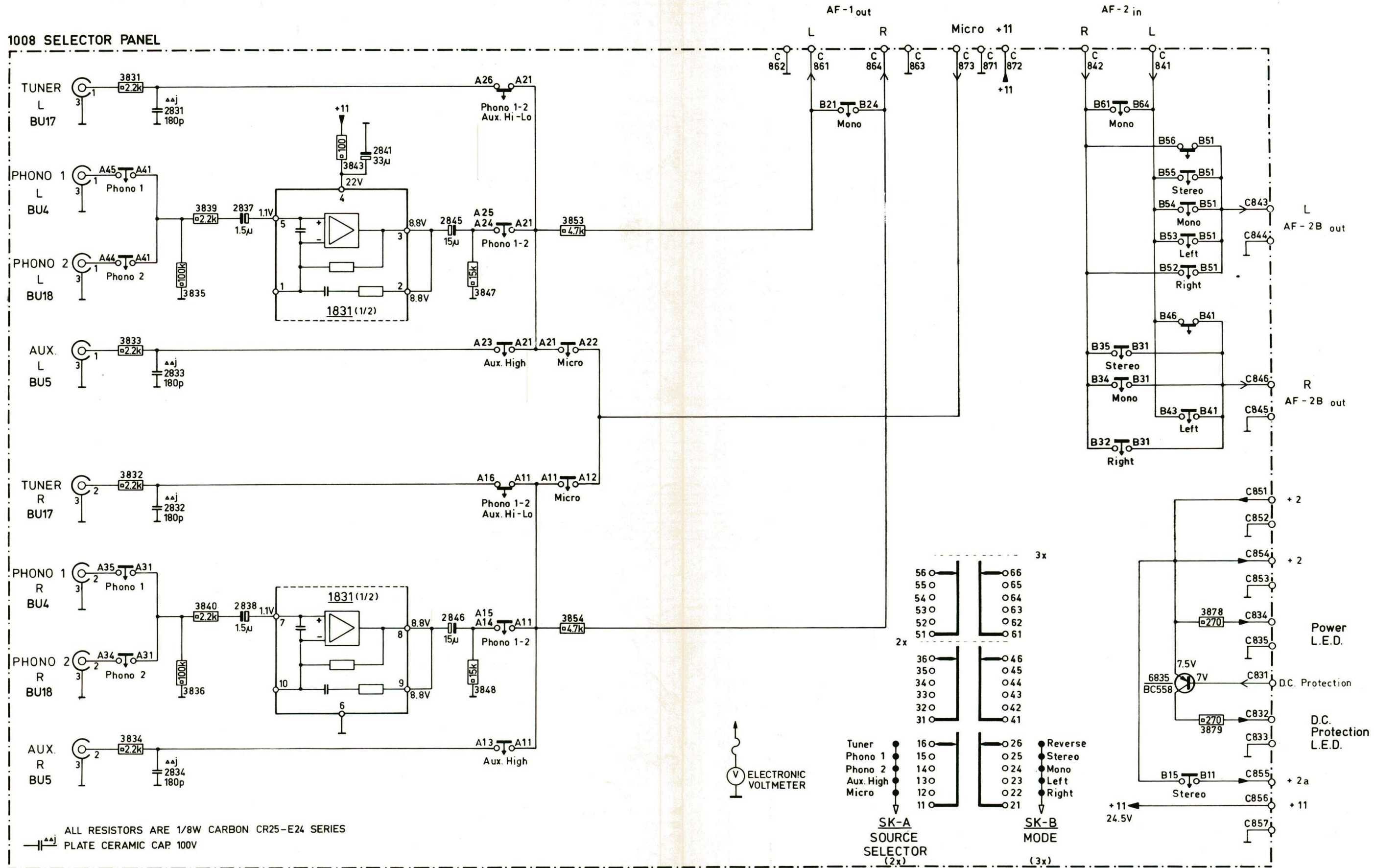


M	1291-1294										1297-1298										1299-1300										1305																						
TS, D	6314	6295	6300	6301-6304				6315				6291				6292				6307,6308				6306,6321				6322				6311																					
C	2297		2299		2300												2324		2323		2346		2345																														
	2298				2306				2305				2318				2317				2333				2334		2335		2336,2340,2339		2356																						
	2301				2309				2319				2320				2327				2328				2295				2344				2350		2348		2341		2353		2354		2355										
	2307				2311								2330								2303				2296		2349				2343		2292		2342		2357																
	2302				2308		2310				2312		2329				2293				2294		2304		2347				2291																								
R	3424,3304,3305										3383										3339		3425		3345		3360										3359		3429				3430		3428		3432						
	3309		3303		3337		3306		3319		3321		3375		3340		3382		3346		3413										3414		3401																				
	3315		3331		3318		3329		3322		3320		3373		3381,3384		3352		3351		3357		3348		3347		3298				3393				3394		3396		3395		3399		3400		3402								
	3311		3327		3310		3332		3333		3334		3369		3376,3374		3358		3354		3353		3299				3291		3300		3292		3405				3406		3419				3296										
	3316,3312,3328,3330										3335										3336		3370		3367		3368		3297				3293				3294				3411		3412				3408		3407		3418		3295

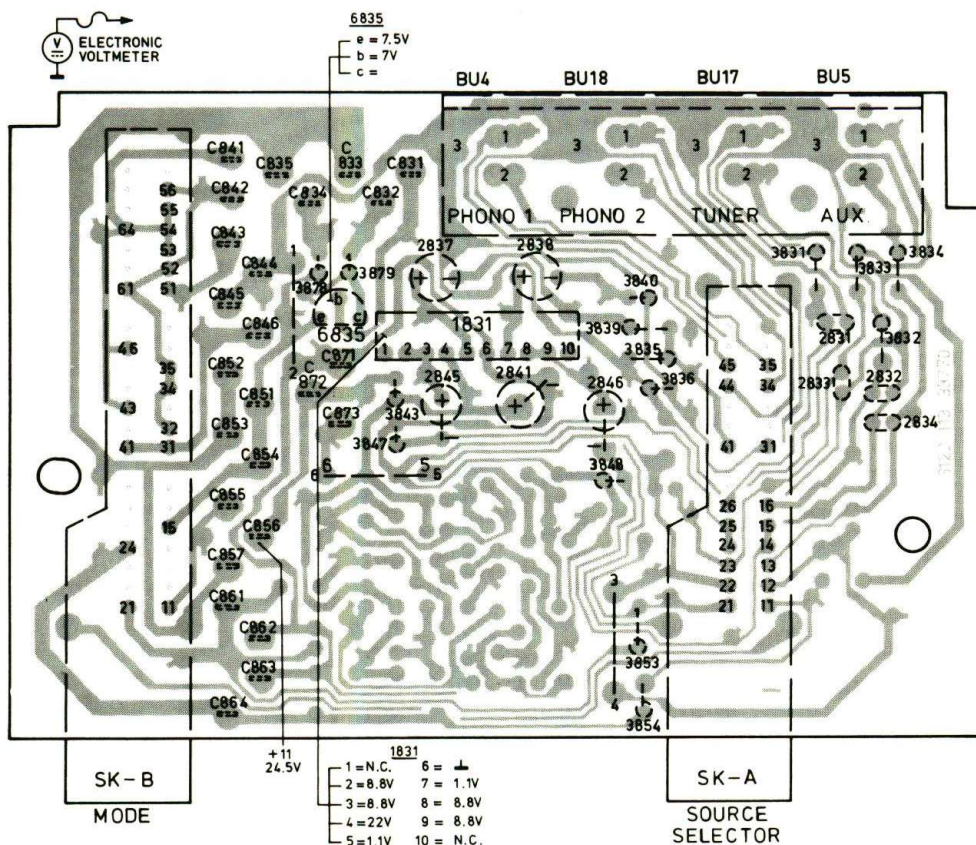


MISC.	BU4, BU5, BU17, BU18	1831	SK-A	SK-B	6835
C	2831...2834	2837, 2838	2841	2845, 2846	
R	3831...3836, 3839, 3840	3843	3847, 3848	3853, 3854	3878, 3879

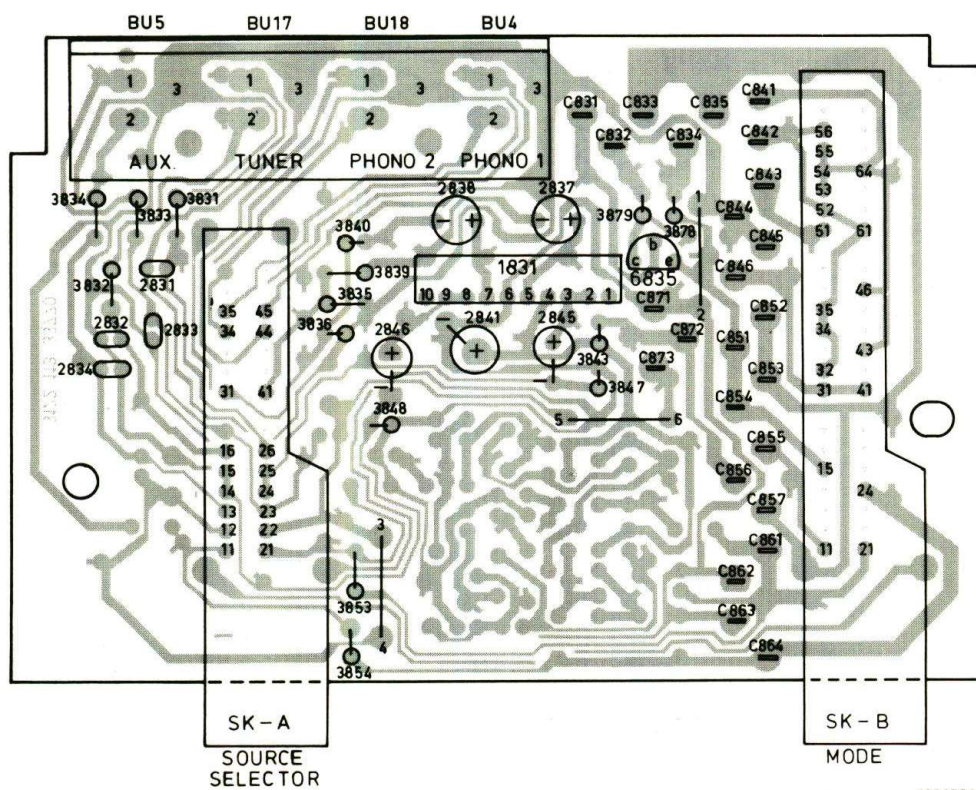
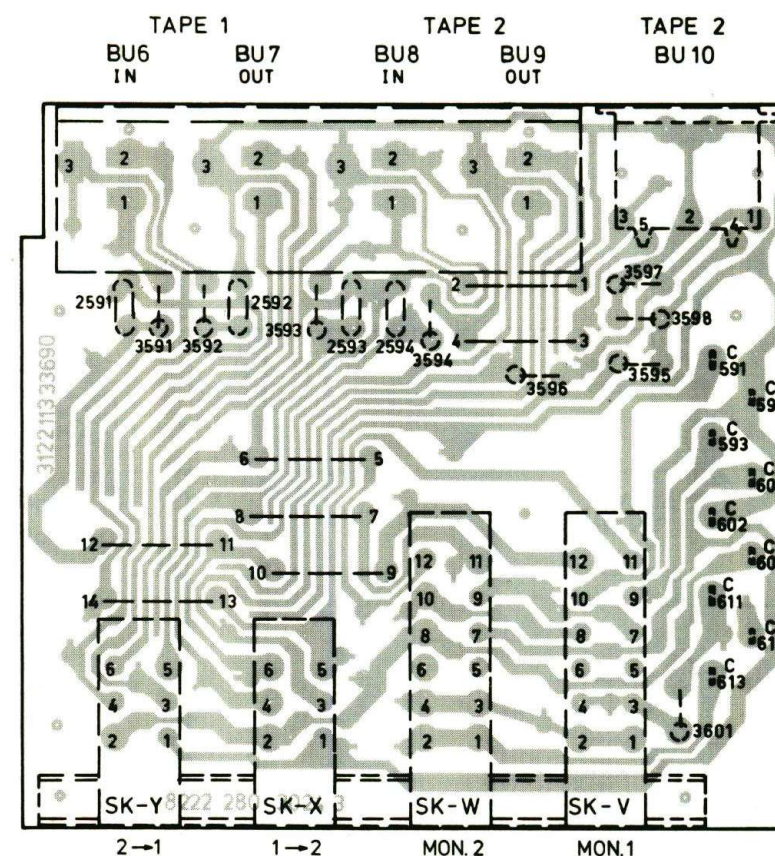
1008 SELECTOR PANEL



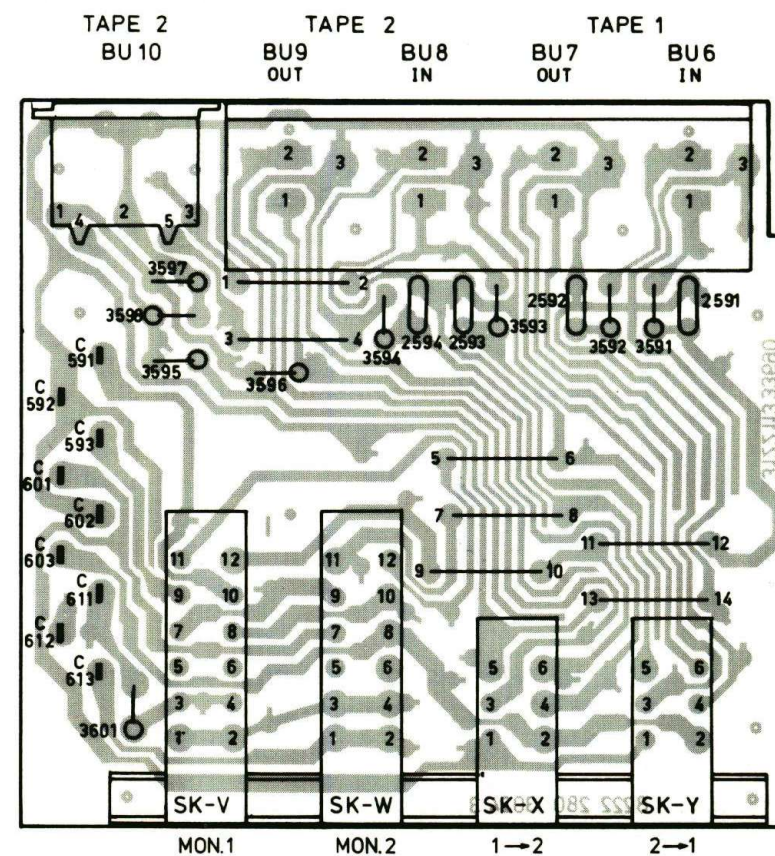
MISC	SK-B	6835	SK-A					
C		2837	2838				2831	2832
		2845	2841	2846	2833			2834
R		3878	3879	3839 3840		3831	3833	3834
		3843		3848 3835 3836			3832	
		3847		3853,3854				



MISC	SK - A										6835		SK - B	
C	2832		2831	2838						2837				
	2834		2833		2846		2841		2845					
R	3834		3833		3831		3840		3839		3879		3878	
	3832						3836		3835		3848		3843	
							3853		3854				3847	

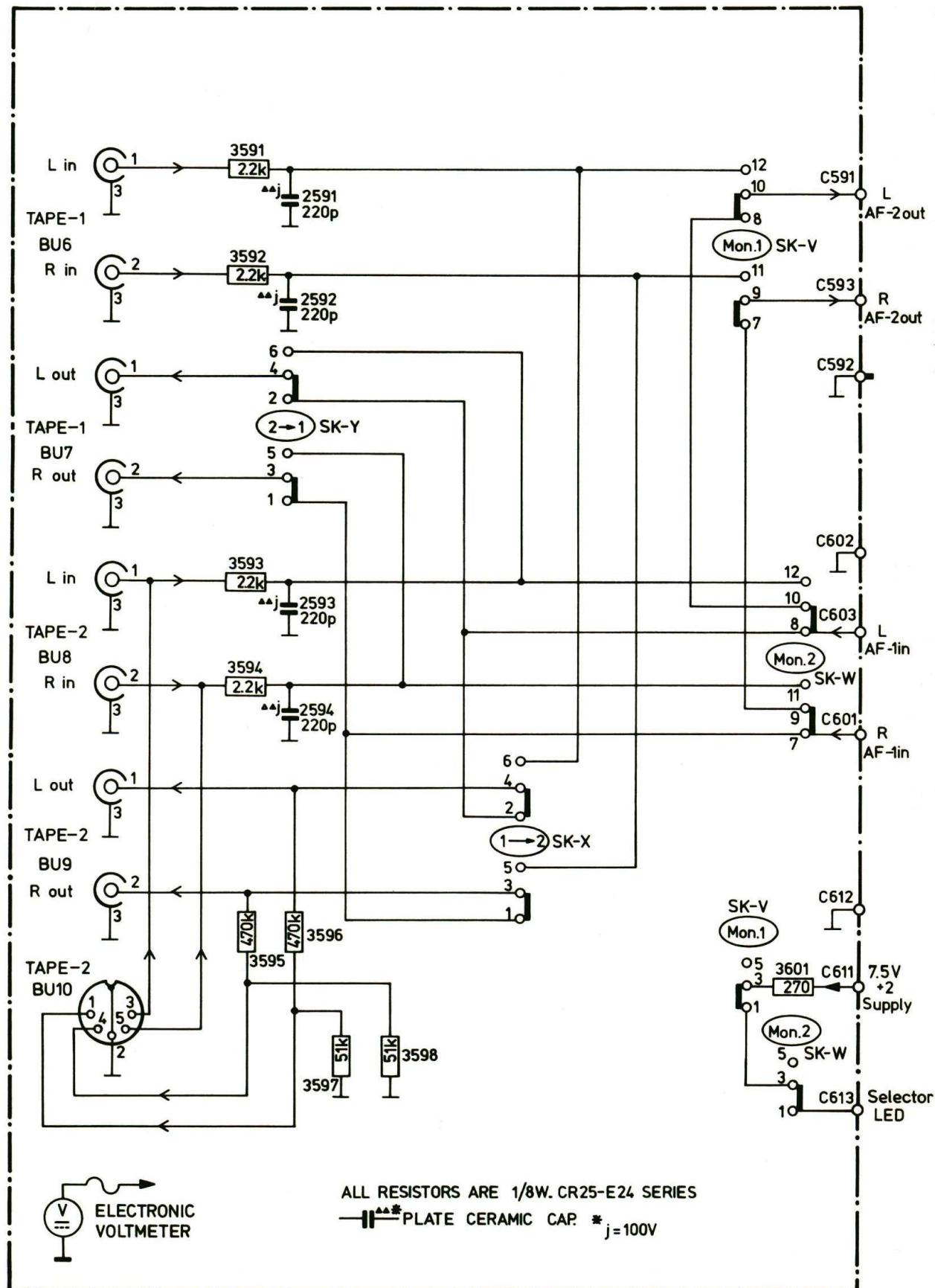
[illegible]

C	2594 2593				2592	2591	
R	3598 3597	3596	3594	3593	3592 3591		
	3601 3595						



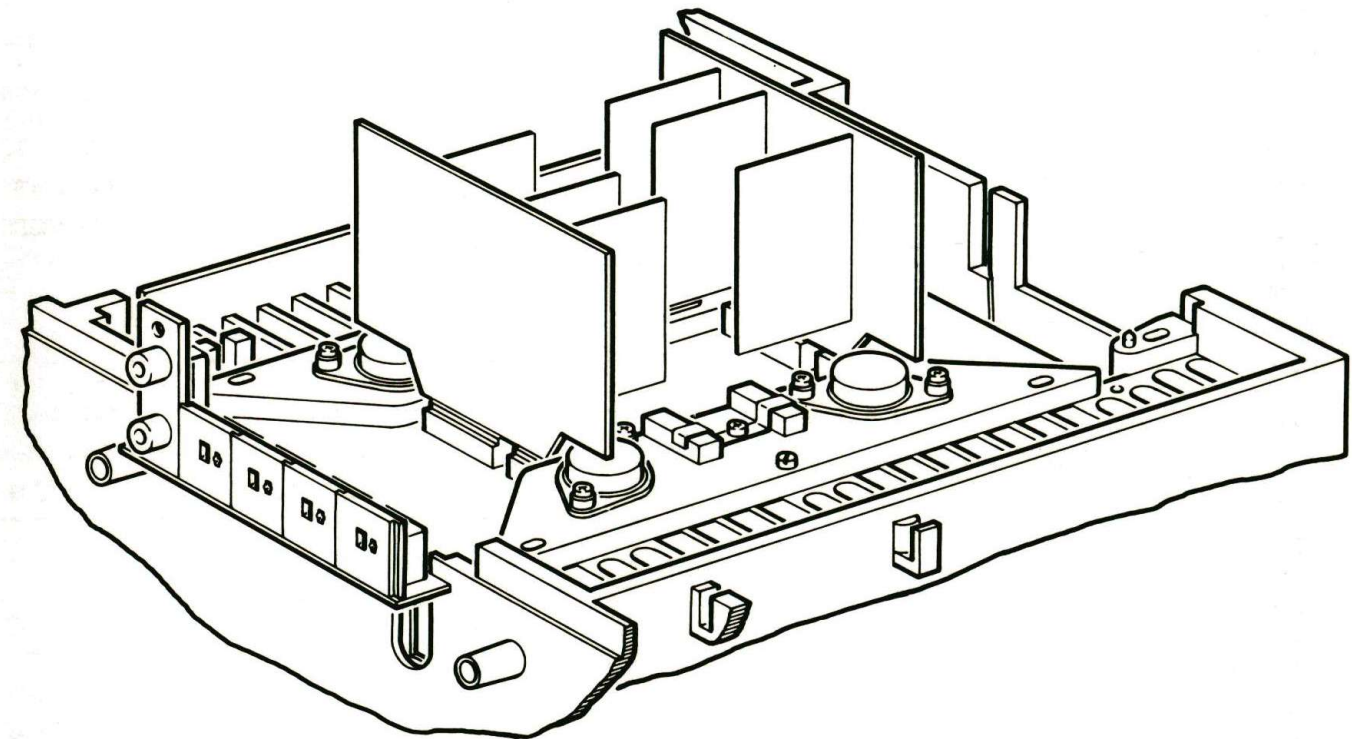
1005 INPUT DUBBING PANEL

MISC.	BU6...10	SK-X	SK-V	SK-W
C	2591...2594			
R	3591...3596, 3597, 3598		3601	

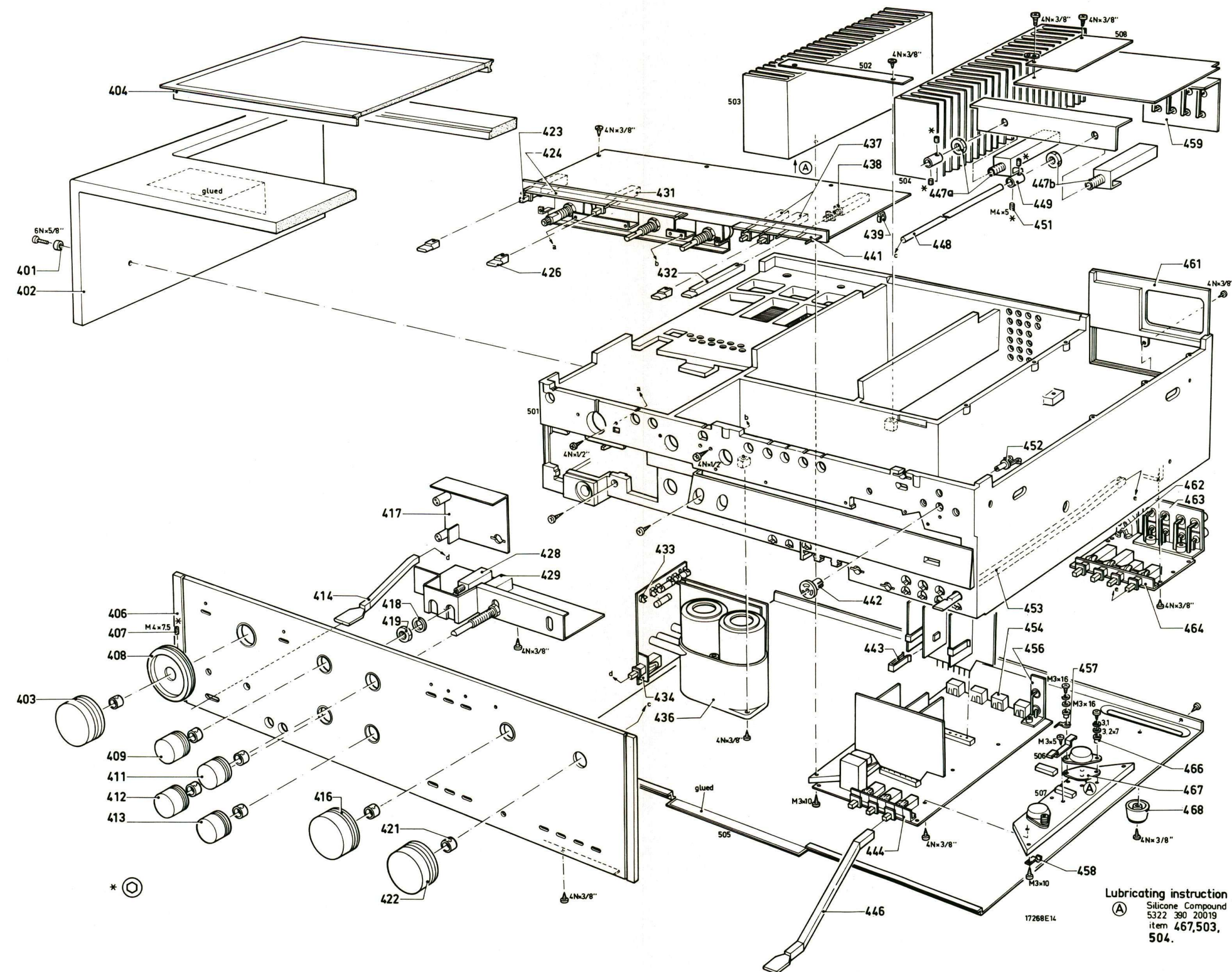


18895D12

401	4822 532 51052	426	4822 410 22211	451	4822 502 11173
402	4822 426 40173	428	4822 267 30291	452	4822 256 90201
403	4822 413 51025	429	4822 267 30324	453	4822 404 20304
404	4822 458 50252	431	4822 276 10734	454	4822 267 30264
406	4822 426 50397	432	4822 410 22213	456	4822 267 30318
407	5322 500 14006	433	4822 492 60063	457	4822 290 30175
408	4822 532 10778	434	4822 276 10735	458	4822 267 62102
409	4822 413 40839	436	4822 404 20295	459	4822 267 50284
411	4822 413 40839	437	4822 276 20254	461	4822 454 10706
412	4822 413 40856	438	4822 276 10734	462	4822 267 40325
413	4822 413 40856	439	4822 256 30142	463	4822 267 50284
414	4822 404 20305	441	4822 256 90291	464	4822 276 40246
416	4822 413 40838	442	4822 520 30358	466	4822 532 51043
417	4822 256 90302	443	4822 492 61976	467	5322 466 90433
418	4822 532 10748	444	4822 276 30255	468	4822 462 71121
419	4822 505 10571	446	4822 410 30208		
421	5322 492 60964	447a	4822 273 60112		
422	4822 413 40838	447b	4822 273 80229		
423	4822 276 10734	448	4822 535 91134		
424	4822 256 90289	449	4822 404 10517		



19790B12



Lubricating instruction
 (A) Silicone Compound
 5322 390 20019
 item 467,503,
 504.

-Miscellaneous-		
1015	Mains transformer	4822 146 80087
	Fuse in 1015	4822 252 20001
1017	Fuse 2 A.T.	4822 253 30025
6001,6004,6005	LED CQY54-II	4822 130 31128

TONE-CONTROL PANEL 1002

-Miscellaneous-		
1291-1294	Potmeter bal.vol. 2x20 k Ω + 2x50 k Ω	4822 102 10146
1297-1300	Potmeter bass. treble 2x50 k Ω	4822 102 30316
1305	Fuse 315 mA.T.	4822 253 30014

-C- 		
Plate cap.		
2295,2296	82 pF - 2 % - 100 V - NPO	4822 122 31318
2349,2350		
2355-2357	22 nF, -20+80 %, 63 V	4822 122 30103
Elco's		
2293,2294		
2305,2306		
2309-2312	10 μ F - 16 V	4822 124 40187
2327-2330		
2347,2348		
2353	330 μ F - 25 V	4822 124 40212
2354	1000 μ F - 40 V	4822 124 20795
Micro poco		
2323,2324	2.4 nF - 5 %	5322 121 54054
2339,2340	5.6 nF - 5 %	4822 121 50543
2345,2346	2.7 nF - 5 %	5322 121 54065

-R- 		
3353,3354	100 k Ω - SFR25	4822 116 51123

-TS- 		
6291,6292		
6295,6296	BC559	4822 130 40963
6299,6300		
6297,6298		
6304,6306	BC548	4822 130 40938
6309		
6301,6302	BC558	4822 130 40941
6307,6308		

-D- 		
6311	BY164	4822 130 30414
6314,6315		
6320-6322	LED CQY54-II	4822 130 31128
6324		

POWER PANEL 1140

-Miscellaneous-		
1450	Relay	4822 280 80384
2451,2452	Pol.cap. 100 nF-20%-100V	4822 121 40334

-Miscellaneous-			
3451-3454	Saf.res. SR25-75 Ω	4822 111 30454	
3457-3460	W.W.res. 0.22 Ω -4 W	4822 115 10043	
3464	Met.film. SFR25-33 k Ω	4822 116 51217	
3489,3490	N.T.C. 68 k Ω	4822 116 30188	
5451,5452	Coil 4 μ H	4822 157 50718	

-TS- 			
6451-6454	Pair 2SD425/2SB555	4822 130 41276	
6457-6459	BC548	4822 130 40938	
6460	BC547	4822 130 44257	
6461	BC638	4822 130 41087	

-D- 			
6465	BZX79/C18	4822 130 31024	
6467,6468	BAW62	4822 130 30613	
6470-6472			
6469	BZX79/12	4822 130 34197	

DRIVER PANEL 1441-1442

-C- 			
2500	680 pF - 5 % micro poco	5322 121 54171	
2501,2507	270 pF-2 % -100 V-N750	4822 122 31335	
2503	56 pF-2 % -63 V-N220	4822 122 31074	
2506	22 pF-2 % -100 V-NPO	4822 122 31317	
2508	100 nF-20 % -250 V flat.cap.	4822 121 41161	
2512,2513	47 nF-20 % -100 V pol.cap.	4822 121 40336	
2516	100 μ F-63 V elco	4822 124 40255	

-R- 			
3508,3509	Saf.res. SR37-47 Ω	4822 111 30006	
3522	Trim.potm. 470 Ω	4822 100 10023	
3548,3549			
3552	Saf.res. SR37-10 Ω	4822 111 30114	
3550,3551	Saf.res. SR25-1.5 Ω	4822 111 30217	

-TS- 			
6500	BC556	4822 130 40989	
6501,6502	BC556A	5322 130 44462	
6504,6506			
6510	BC548	4822 130 40938	
6507	BD139	4822 130 40823	
6511	BC558	4822 130 40941	
6514,6515	Pair BD230/BD231	4822 130 41371	

-D- 			
6525	BZX79/C12	4822 130 34197	
6527,6528	BZX79/C2V4	4822 130 31253	
6530	BAX18	4822 130 34121	

SUPPLY PANEL 1004

			
1570,1571	Fuse 3.15 A.T.	4822 253 30027	
1572	Fuse 1.6 A.T.	4822 253 30024	

SELECTOR PANEL

1008

1831	MD pre amplifier	4822 218 10124
-C- 		
2837,2838	1.5 μ F-50 V	4822 124 20828
2845,2846	15 μ F-25 V	4822 124 40204
-TS- 		
6833,6834	BC548B	4822 130 40937
6835	BC558	4822 130 40941

TONE MIC CONTROL PANEL 1007

-R- 			
1781-1784	Potm.bass.treble 50 k Ω	4822 102 30316	
-C- 			
2783,2784	820 pF-5 % micro poco	5322 121 54072	
2794	100 pF-2 % plate cap	4822 122 31081	
2795	22 μ F-63 V elco	4822 124 20724	
-TS- 			
6781,6782	BC548	4822 130 40938	
6784,6788	BC558	4822 130 40941	
6873			
6787	BC549B	4822 130 40936	

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

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.

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.

Servicemededeling

PHILIPS NEDERLAND B.V. - EINDHOVEN
TECHNISCHE SERVICE

Ref. 413 PH

Type 22 AH 307

Datum juni 1981

Onderstaande wijzigingen zijn ingevoerd:

DRIVER PANEEL 1441

	OLD	NIEUW	BESTELNUMMER
C 2500	680 pF	470 pF	5322 121 54078
C 2501	270 pF	180 pF ΔΔ j	
C 2503	68 pF	56 pF ΔΔ j	

C 2509, 22 pF $\Delta\Delta j$ is toegevoegd tussen voeding - 2 en de collector van TS 6506.

TOONREGELPANEEL 1002

Het hoogfilter is gewijzigd: SK H 9 - 11 en SK H 10 - 12 zijn toegevoegd, zie fig. 1a-b.

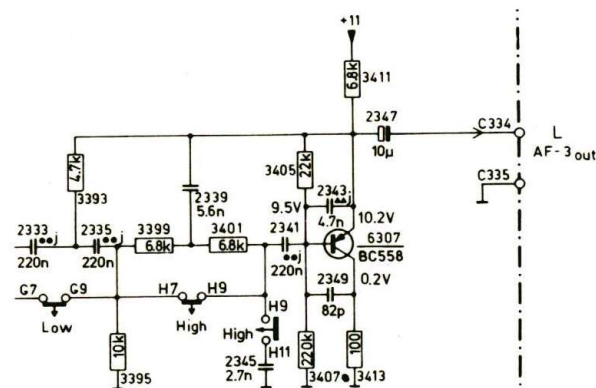


Fig. 1a

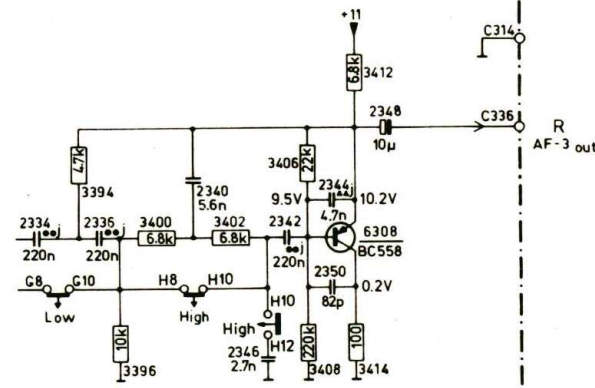


Fig. 1b

TS 6309 is gewijzigd in BC 338, bestelnummer 4822 130 44121.

Ter voorkoming van schakelklikken, als de "mute" schakelaar (-20 dB) wordt bediend, dienen C 2305 en C 2306 te worden vervangen door de elco's van 15 uF - 16V met lage lekstroom, bestelnummer 4822 124 20883.

Servicemededeling

PHILIPS NEDERLAND B.V. - EINDHOVEN
TECHNISCHE SERVICE

Ref. 466 PH

Typ 22AH307;22AH308;22AH708

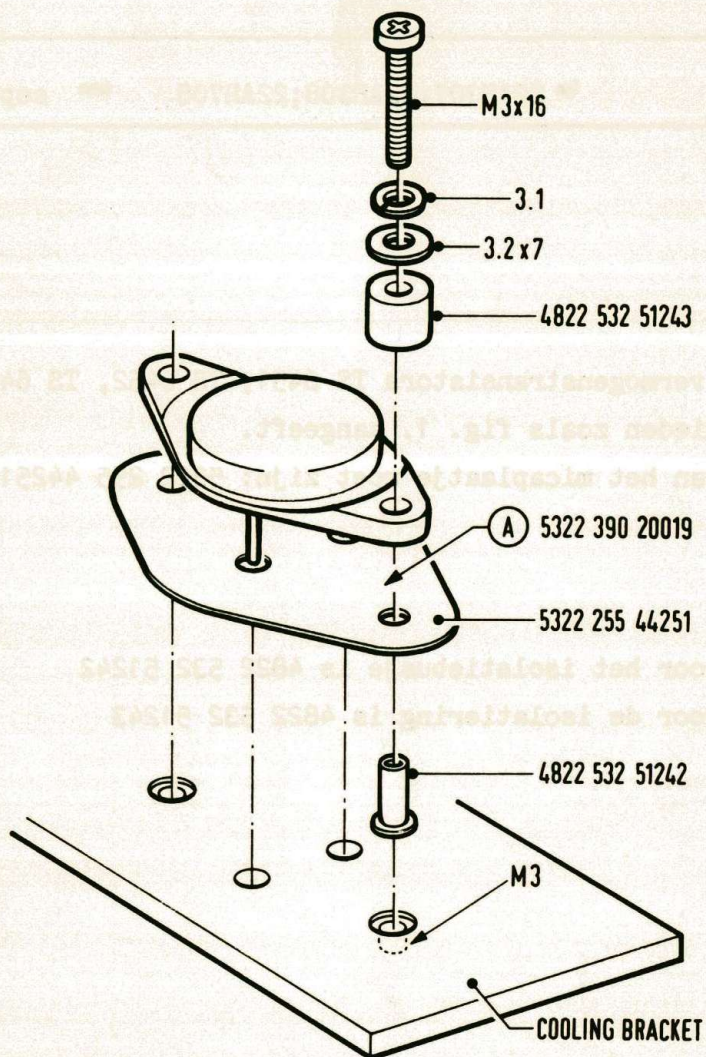
Datum september 1981

Wijzigingen:

- . de montage van de vermogenstransistors TS 6451, TS 6452, TS 6453 en TS 6454 moet geschieden zoals fig. 1. aangeeft.
- . het bestelnummer van het micaplaatje moet zijn: 5322 255 44251.

Toevoegen:

- . het bestelnummer voor het isolatiebusje is 4822 532 51242
- . het bestelnummer voor de isolatiering is 4822 532 51243



24565 B6

Fig. 1