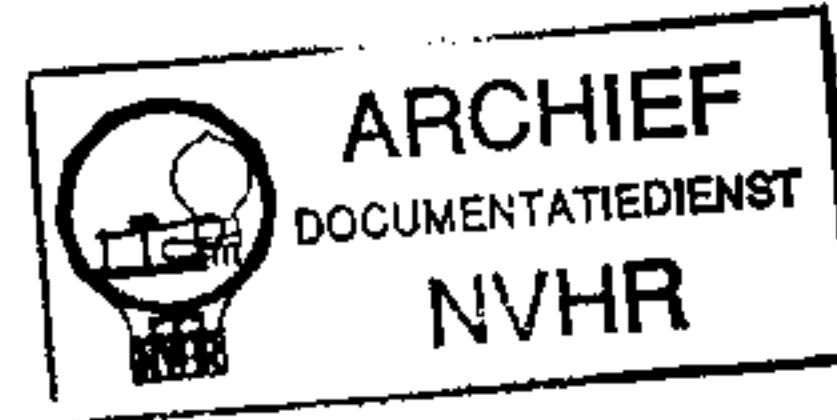


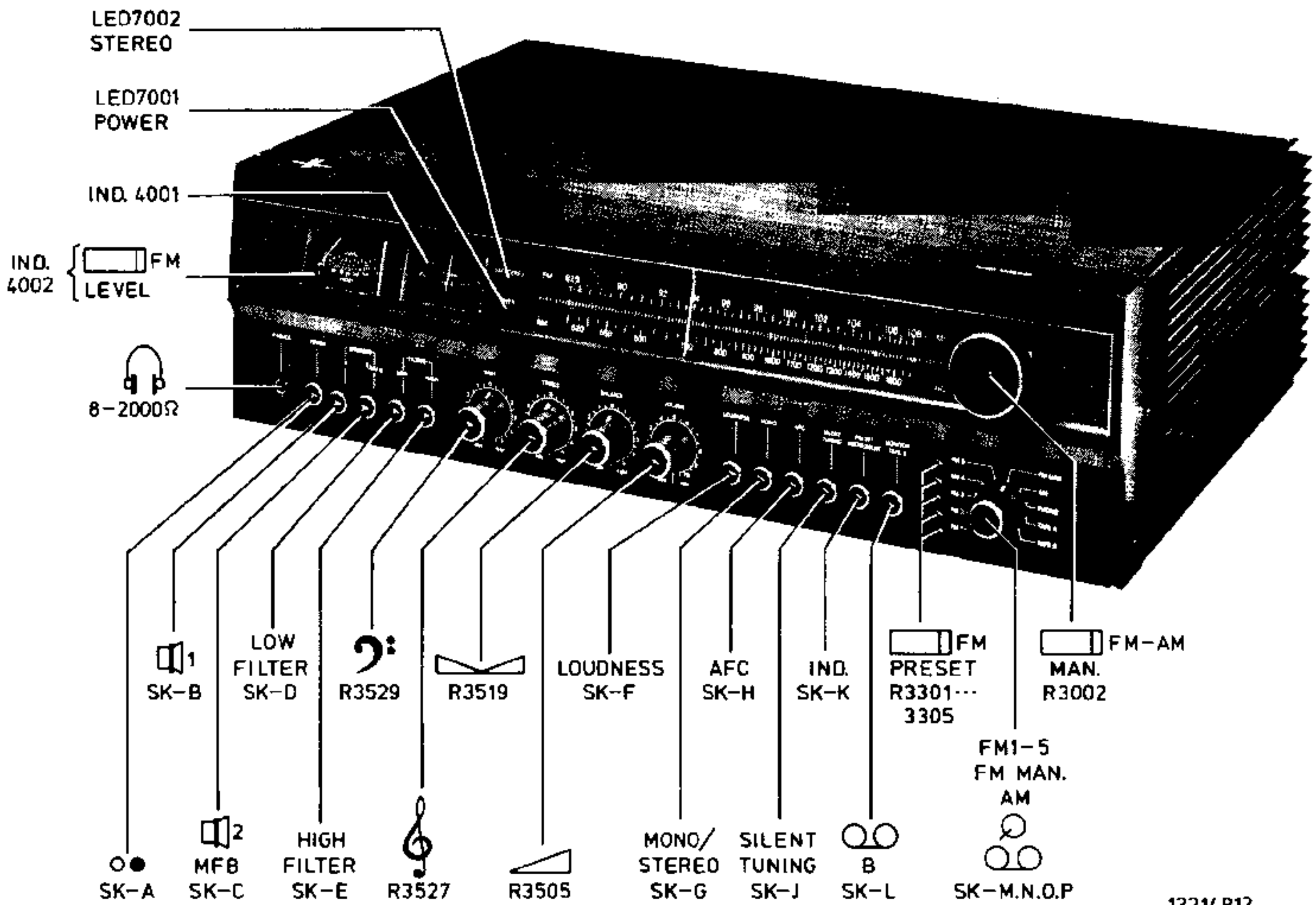
Service
Service
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Ned. Ver. v. Historie v/d Radio



Service Manual



13214B12

Documentation Technique Service Dokumentation Documentazione di Servizio Huolto-Ohje Manual de Servicio Manual de Servicio

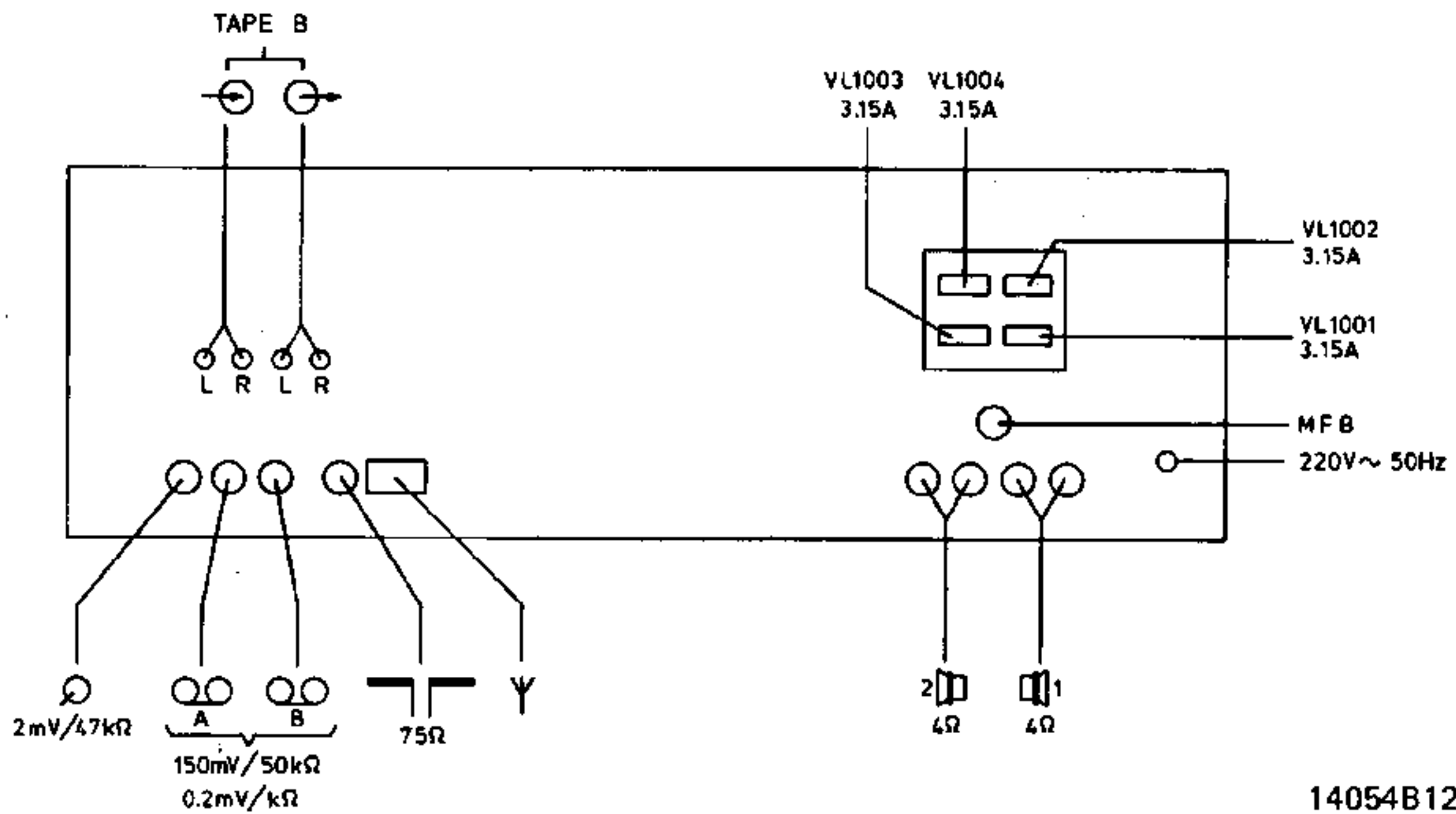


Subject to modification

4822 725 12538

Printed in The Netherlands

PHILIPS



GB SPECIFICATION

Amplifier

- Output power RMS : 55 W (4 Ω)
- Harmonic distortion
 - 65 W : $d \leq 0,4 \%$
 - 55 W : $d \leq 0,2 \%$
- Power bandwidth : 10 Hz - 60 kHz
- Frequency range
 - linear input : 10 Hz-60 kHz (± 1 dB)
 - non-linear input : 30 Hz-15 kHz ($\pm 0,5$ dB)
- S/N-ratio
 - at 55 W linear input : ≥ 75 dB
 - at 55 W non-linear input : ≥ 60 dB
 - at 50 mW linear input : ≥ 55 dB
 - at 50 mW non-linear input : ≥ 50 dB
- Cross-talk at 1000 Hz : 80 dB
- Cross-talk between 250 Hz and 10 kHz : 70 dB
- Balance control per channel : 0...20 dB
- Bass control at 50 Hz : -12 ... +12 dB
- Treble control at 10 kHz : -10 ... +10 dB
- Loudness control
 - at 50 Hz : +10 dB
 - at 10 kHz : +5 dB

- Input sensitivities for 55 W output power at 1 kHz:
 - MD-PU : 2 mV/47 kΩ
 - tape A-B : 150 mV/50 kΩ
- Outputs tape A-B : 0,2 mV/kΩ

Receiver

- Sensitivity
 - mono: 26 dB S/N : 1 μ V at 40 kHz sweep
 - stereo: 46 dB S/N : 50 μ V at 40 kHz sweep
- Total harmonic distortion
 - mono : 0,2 %
- Capture ratio : 1,8 dB
- AM-suppression : 50 dB
- HF-suppression : 80 dB
- Pilot tone suppression : 45 dB
- Subcarrier suppression : 55 dB
- Audio range : 20 Hz-14 kHz, -1,5 dB
- Stereo separation
 - 1 kHz : 40 dB
 - 100 Hz-10 kHz : 30 dB

NL SPECIFIKATIE**Versterker**

- Uitgangsvermogen RMS : 55 W (4 Ω)
- Harmonische vervorming
 - 65 W : $d \leq 0,4 \%$
 - 55 W : $d \leq 0,2 \%$
- Vermogensbandbreedte : 10 Hz - 60 kHz
- Frequentiebereik
 - lineaire ingang : 10 Hz-60 kHz (± 1 dB)
 - niet-lineaire ingang : 30 Hz-15 kHz ($\pm 0,5$ dB)
- Signaal-ruisverhouding
 - bij 55 W lineaire ingang : ≥ 75 dB
 - bij 55 W niet lineaire ingang : ≥ 60 dB
 - bij 50 mW lineaire ingang : ≥ 55 dB
 - bij 50 mW niet lineaire ingang : ≥ 50 dB
- Overspraak bij 1000 Hz : 80 dB
- Overspraak tussen 250 Hz en 10 kHz : 70 dB
- Balansregeling per kanaal : 0...20 dB
- Lage toonregeling bij 50 Hz : $-12 \dots +12$ dB
- Hoge toonregeling bij 10 kHz : $-10 \dots +10$ dB
- Loudness regeling
 - bij 50 Hz : $+10$ dB
 - bij 10 kHz : $+5$ dB
- Ingangsgevoeligheden voor 55 W uitgangsvermogen bij 1 kHz
 - MD-PU : 2 mV/47 k Ω
 - tape A-B : 150 mV/50 k Ω
- Uitgangen tape A-B : 0,2 mV/k Ω

Ontvanger

- Gevoeligheid
 - mono, 26 dB S/N : 1 μ V bij 40 kHz zwaai
 - stereo, 46 dB S/N : 50 μ V bij 40 kHz zwaai
- Totale harmonische distorsie mono : 0,2 %
- Capture ratio : 1,8 dB
- AM onderdrukking : 50 dB
- HF onderdrukking : 80 dB
- Piloottoononderdrukking : 45 dB
- Hulpdraaggolf onderdrukking : 55 dB
- Audiobereik : 20 Hz-14 kHz, -1,5 dB
- Stereoscheiding
 - 1 kHz : 40 dB
 - 100 Hz-10 kHz : 30 dB

D SPEZIFIKATION**Verstärker**

- Ausgangsleistung RMS : 55 W (4 Ω)
- Harmonische Verzerrung
 - 65 W : $d \leq 0,4 \%$
 - 55 W : $d \leq 0,2 \%$
- Leistungsbandbreite : 10 Hz - 60 kHz
- Frequenzbereich
 - linearer Eingang : 10 Hz-60 kHz (± 1 dB)
 - nichtlinearer Eingang : 30 Hz-15 kHz ($\pm 0,5$ dB)
- Signal/Rausch-Verhältnis
 - bei 55 W linearer Eingang : ≥ 75 dB
 - bei 55 W nichtlinearer Eingang : ≥ 60 dB
 - bei 50 mW linearer Eingang : ≥ 55 dB
 - bei 50 mW nichtlinearer Eingang : ≥ 50 dB
- Übersprechen bei 1000 Hz : 80 dB
- Übersprechen zwischen 250 Hz und 10 kHz : 70 dB
- Balanceregeling für jeden Kanal : 0...20 dB
- Tieftonregelung bei 50 Hz : $-12 \dots +12$ dB
- Hochtonregelung bij 10 kHz : $-10 \dots +10$ dB
- Hochtonregelung
 - bei 50 Hz : $+10$ dB
 - bei 10 kHz : $+5$ dB
- Eingangsempfindlichkeit für 55 W Ausgangsleistung bei 1 kHz
 - MD-PU : 2 mV/47 k Ω
 - Tape A-B : 150 mV/50 k Ω
- Ausgänge Tape A-B : 0,2 mV/k Ω

Empfänger

- Empfindlichkeit
 - Mono 26 dB S/N : 1 μ V bei 40 kHz Hub
 - Stereo 46 dB S/N : 50 μ V bei 40 kHz Hub
- Gesamtharmonische Verzerrung Mono : 0,2 %
- Einfangsverhältnis : 1,8 dB
- AM-Unterdrückung : 50 dB
- HF-Unterdrückung : 80 dB
- Pilottonunterdrückung : 45 dB
- Hilfsträgerunterdrückung : 55 dB
- Audiobereich : 20 Hz-14 kHz, -1,5 dB
- Stereotrennung
 - 1 kHz : 40 dB
 - 100 Hz-10 kHz : 30 dB

F CARACTERISTIQUES TECHNIQUES

Amplificateur

- Puissance de sortie
Intens. eff. : 55 W (4 Ω)
- Distorsion harmonique
65 W : $d \leq 0,4 \%$
55 W : $d \leq 0,2 \%$
- Largeur de bande,
puissance : 10 Hz - 60 kHz
- Gamme de fréquence
entrée linéaire : 10 Hz-60 kHz (± 1 dB)
entrée non linéaire : 30 Hz-15 kHz ($\pm 0,5$ dB)
- Rapport signal/bruit
à 55 W entrée linéaire : ≥ 75 dB
à 55 W entrée non linéaire : ≥ 60 dB
à 50 mW entrée linéaire : ≥ 55 dB
à 50 mW entrée non
linéaire : ≥ 50 dB
- Diaphonie à 1000 Hz : 80 dB
- Diaphonie entre 250 Hz
et 10 kHz : 70 dB
- Réglage de l'équilibrage par
canal : 0...20 dB
- Réglage des basses à 50 Hz : -12 ... +12 dB
- Réglage des aigus à 10 kHz : -10 ... +10 dB
- Régulation du volume
à 50 Hz : + 10 dB
à 10 kHz : + 5 dB
- Sensibilités d'entrée pour une
puissance de sortie de
55 W à 1 kHz
MD-PU : 2 mV/47 k Ω
tape A-B : 150 mV/50 k Ω
- Sorties tape A-B : 0,2 mV/k Ω

Récepteur

- Sensibilité
mono, 26 dB s/b : 1 μ V à une déviation de
40 kHz
stéréo, 46 dB s/b : 50 μ V à une déviation de
40 kHz
- Distorsion harmonique totale
mono : 0,2 %
- Taux de capture : 1,8 dB
- Suppression AM : 50 dB
- Suppression HF : 80 dB
- Suppression du son pilote : 45 dB
- Suppression de la porteuse
auxiliaire : 55 dB
- Gamme audio : 20 Hz-14 kHz, -1,5 dB
- Séparation stéréo
1 kHz : 40 dB
100 Hz-10 kHz : 30 dB

I DATI TECNICI

Amplificatore

- Potenza di uscita Intens.effic: 55 W (4 Ω)
- Distorsione armonica
65 W : $d \leq 0,4 \%$
55 W : $d \leq 0,2 \%$
- Larghezza di banda,potenza : 10 Hz - 60 kHz
- Gamma di frequenza
ingresso lineare : 10 Hz-60 kHz (± 1 dB)
: 30 Hz-15 kHz ($\pm 0,5$ dB)
- Rapporto segnale/disturbo
a 55 W ingresso lineare : ≥ 75 dB
a 55 W ingresso non lineare : ≥ 60 dB
a 50 mW ingresso lineare : ≥ 55 dB
a 50 mW ingresso
non lineare : ≥ 50 dB
- Diafonia a 1000 Hz : 80 dB
- Diafonia fra 250 Hz
e 10 kHz : 70 dB
- Regolazione dell'equilibrio
per canale : 0...20 dB
- Regolazione dei bassi a
50 Hz : -12 ... +12 dB
- Regolazione degli acuti a : -10 ... +10 dB
10 kHz
- Regolazione del volume sonoro
a 50 Hz : +10 dB
a 10 kHz : +5 dB
- Sensibilità d'ingresso per una
potenza di uscita di 55 W
a 1 kHz
MD-PU : 2 mV/47 k Ω
tape A-B : 150 mV/50 k Ω
- Uscite tape A-B : 0,2 mV/k Ω

Ricevitore

- Sensibilità
mono, 26 dB rapporto s/d : 1 μ V per una deviazione
di 40 kHz
stereofonica, 46 dB s/d : 50 μ V per una deviazione
di 40 kHz
- Distorsione armonica totale
mono : 0,2 %
- Tasso di cattura : 1,8 dB
- Soppressione AM : 50 dB
- Soppressione AF : 80 dB
- soppressione del tonopilota : 45 dB
- Soppressione della : 55 dB
- Gamma audio : 20 Hz-14 kHz, - 1,5 dB
- Separazione stereofonica
1 kHz : 40 dB
100 Hz-10 kHz : 30 dB

N TEKNISKE DATA

Forsterker

- Utgangseffekt RMS : 55 W (4 Ω)
- Harmonisk forvrengning
 - 65 W : $d \leq 0.4 \%$
 - 55 W : $d \leq 0.2 \%$
- Effektbåndbredde : 10 Hz - 60 kHz
- Frekvensområde
 - lin. inngang : 10 Hz-60 kHz (± 1 dB)
 - ulin. inngang : 30 Hz-15 kHz (± 0.5 dB)
- Signal/støy forhold
 - ved 55 W lin. inngang : ≥ 75 dB
 - ved 55 W ulin. inngang : ≥ 60 dB
 - ved 50 mW lin. inngang : ≥ 55 dB
 - ved 50 mW ulin. inngang : ≥ 50 dB
- Krysstale ved 1000 Hz : 80 dB
- Krysstale ved 250 Hz - 10 kHz : 70 dB
- Balansekontroll, pr. kanal : 0-20 dB
- Basskontroll ved 50 Hz : $-12 \dots +12$ dB
- Diskantkontroll ved 10 kHz : $-10 \dots +10$ dB
- Volumkontroll
 - ved 50 Hz : $+10$ dB
 - ved 10 kHz : $+5$ dB
- Inngangsfølsomhet ved 55 W utgangseffekt ved 1 kHz
 - MO-PU : 2 mV/47 k Ω
 - Bånd A-B : 150 mV/50 k Ω
- Utganger bånd A-B : 0.2 mV/k Ω

Mottaker

- Følsomhet
 - mono, 26 dB signal/støy : 1 μ V ved 40 kHz sving
 - stereo, 46 dB signal/støy : 50 μ V ved 40 kHz sving
- Total harmonisk forvrenging mono : 0.2 %
- Innfangningsforhold : 1.8 dB
- AM-undertrykkelse : 50 dB
- HF-undertrykkelse : 80 dB
- pilottoneundertrykkelse : 45 dB
- Hjelpebærebølgeundertrykkelse : 55 dB
- Audio-område : 20 Hz-14 kHz, -1.5 dB
- Stereoseparasjon
 - 1 kHz : 40 dB
 - 100 Hz-10 kHz : 30 dB

S TEKNISKA DATA

Förstärkardelen

- Uteffekt : 2x55 W vid 4 Ω
- Harmonisk distorsion
 - vid 65 W : $d \leq 0.4 \%$
 - vid 55 W : $d \leq 0.2 \%$
- Effektbåndbredd : 10-60000 Hz
- Frekvensomfång
 - linjära ingångar : 10-60000 Hz ± 1 dB
 - olinjära ingångar : 30-15000 Hz ± 0.5 dB
- Signal/brusförhållande
 - vid 55 W linjära ingångar : ≥ 75 dB
 - vid 55 W olinjära ingångar : ≥ 60 dB
 - vid 50 mW linjära ingångar : ≥ 55 dB
 - vid 50 mW olinjära ingångar : ≥ 50 dB
- Kanalseparation : 80 dB vid 1000 Hz
: 70 dB inom 250-10000 Hz
- Balanskontroll : 0-20 dB per kanal
- Baskontroll : $-12 \dots +12$ dB
- Diskantkontroll : $-10 \dots +10$ dB
10 kHz
- Konturkontroll
 - vid 50 Hz : $+10$ dB
 - vid 10 kHz : $+5$ dB
- Ingång vid 1 kHz, 55 W magnetodynamisk pickup
 - band A-B : 2 mV/47 k Ω
 - band A-B : 150 mV/50 k Ω
- Utgång, band A-B : 0.2 mV/1 k Ω

Mottagardelen

- Känslighet 40 kHz svep
 - 26 dB signal/brus mono : 1 μ V
 - 26 dB signal/brus stereo : 50 μ V
- Harmonisk distorsion mono : 0.2 %
- Infångningsindex : 1.8 dB
- AM-undertryckning : 50 dB
- MF-undertryckning : 80 dB
- Pilottonedämpning, 19 kHz : 45 dB
- Underbärvägsdämpning, 38 kHz : 55 dB
- Frekvensomfång : 20-14000 Hz, -1.5 dB
- Kanalseparation vid 1 kHz : 40 dB vid 1 kHz
30 dB inom 100-10000 Hz

DK **TEKNISKE DATA**
Forstærker

- Udgangseffekt, effektiv : 55 W (4 Ω)
- Harmonisk forvrængning
 - 65 W : $d \leq 0,4 \%$
 - 55 W : $d \leq 0,2 \%$
- Båndbredde, udgangstrin : 10 Hz - 60 kHz
- Frekvensområde
 - lineær indgang : 10 Hz-60 kHz (± 1 dB)
 - non-lineær indgang : 30 Hz-15 kHz ($\pm 0,5$ dB)
- Signal/støjforhold
 - ved 55 W lineær indgang : ≥ 75 dB
 - ved 55 W non-lineær indgang : ≥ 60 dB
 - ved 50 mW lineær indgang : ≥ 55 dB
 - ved 50 mW non-lineær indgang : ≥ 50 dB
- Cross-talk ved 1000 Hz : 80 dB
- Cross-talk mellem 250 Hz og 10 kHz : 70 dB
- Balance-kontrol pr. kanal : 0...20 dB
- Bas-kontrol ved 50 Hz : $-12 \dots +12$ dB
- Diskant-kontrol ved 10 kHz : $-10 \dots +10$ dB
- Loudness-kontrol
 - ved 50 Hz : $+10$ dB
 - ved 10 kHz : $+5$ dB
- Indgangsfølsomheden for 55 W udgangseffekt ved 1 kHz
 - Magnetodynamisk pick-up : 2 mV/47 k Ω
 - Tape A-B : 150 mV/50 k Ω
- Udgange tape A-B : 0,2 mV/k Ω

Modtager

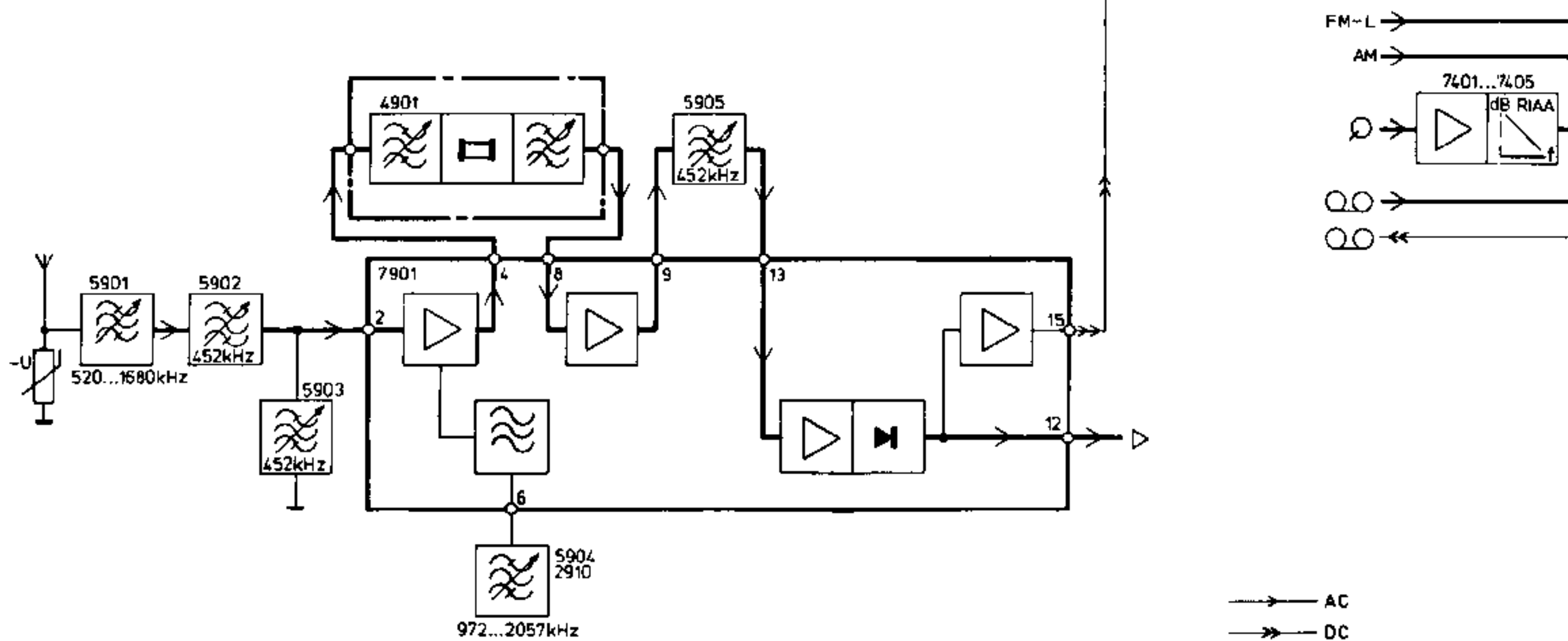
- Følsomhed
 - mono: 26 dB S/N : 1 μ V ved 40 kHz sweep
 - stereo: 46 dB S/N : 50 μ V ved 40 kHz sweep
- Total harmonisk forvrængning mono : 0,2 %
- Gribeforhold : 1,8 dB
- AM-undertrykkelse : 50 dB
- HF-undertrykkelse : 80 dB
- Pilottone-undertrykkelse : 45 dB
- Hjelpebærebølge-undertrykkelse : 55 dB
- LF-område : 20 Hz-14 kHz, -1,5 dB
- Stereo-separation
 - 1 kHz : 40 dB
 - 100 Hz-10 kHz : 30 dB

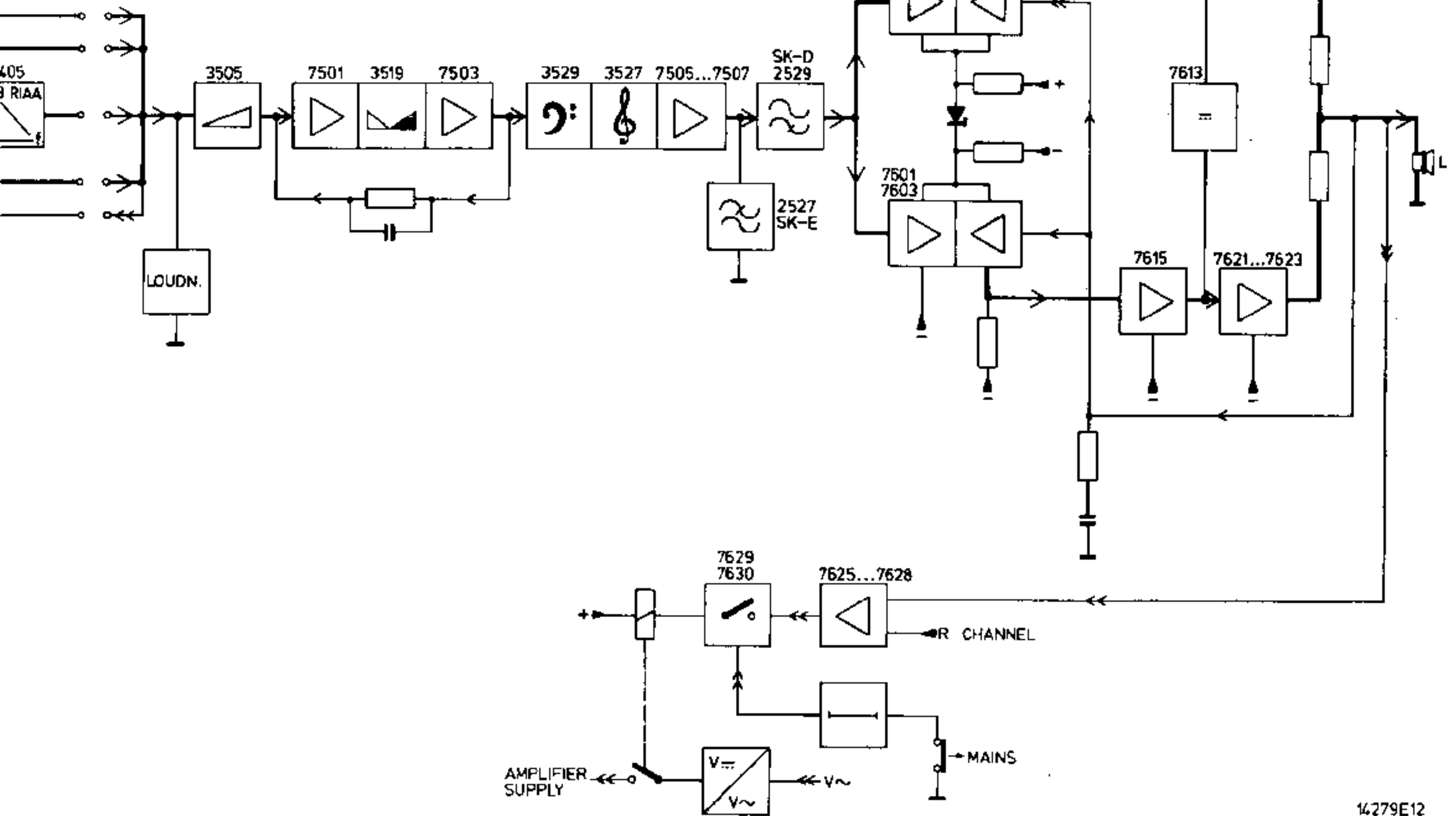
SF **TEKNISET TIEDOT**
Vahvistin

- Lähtöteho RMS : 55 W (4 Ω)
- Harmoninen särö
 - 65 W:lla : $d \leq 0,4 \%$
 - 55 W:lla : $d \leq 0,2 \%$
- Tehokaistaleveys : 10 Hz - 60 kHz
- Toistoalue
 - lineaarinen tulo : 10 Hz-60 kHz (± 1 dB)
 - ei-lineaarinen tulo : 30 Hz-15 kHz ($\pm 0,5$ dB)
- Signaalikohinasuhde
 - 55 W:lla, lineaarinen tulo : ≥ 75 dB
 - 55 W:lla, ei-lineaarinen tulo : ≥ 60 dB
 - 50 mW:lla, lineaarinen tulo : ≥ 55 dB
 - 50 mW:lla, ei-lineaarinen tulo : ≥ 50 dB
- Ylikuuluminen 1000 Hz :llä : 80 dB
- Ylikuuluminen 250 Hz - 10 kHz : 70 dB
- Kanavatasaus/kanava : 0...20 dB
- Bassosäätö 50 Hz :llä : $-12 \dots +12$ dB
- Diskanttisäätö 10 kHz:llä : $-10 \dots +10$ dB
- Fysiologian säätö
 - 50 Hz:llä : $+10$ dB
 - 10 kHz:llä : $+5$ dB
- Tuloherkkyydet 55 W:n lähtöteholle 1 kHz:llä
 - MO-PU : 2 mV/47 k Ω
 - nauha A-B : 150 mV/50 k Ω
- Lähdöt nauha A-B : 0,2 mV/k Ω

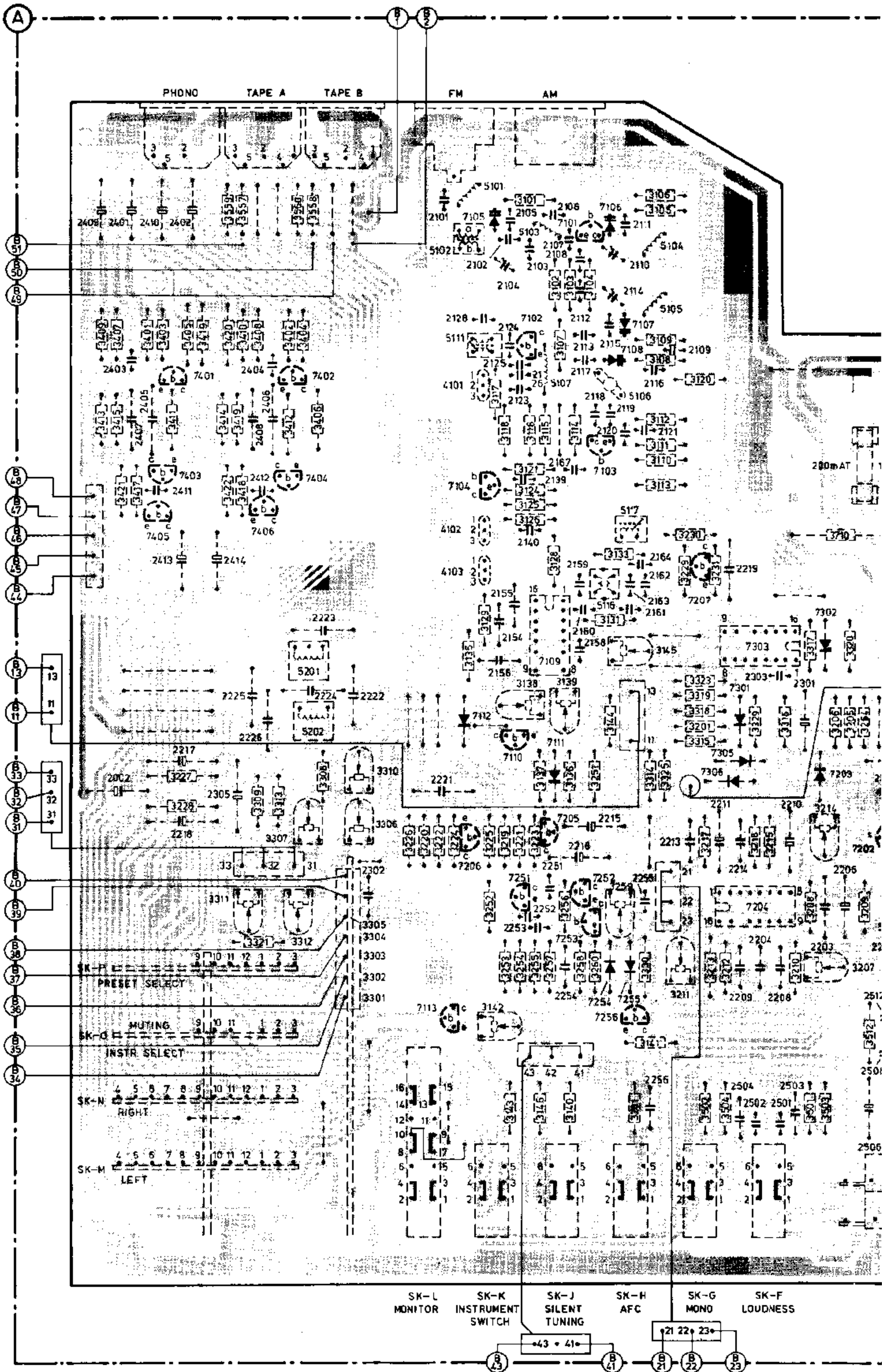
Vastaanotin

- Herkkyyys
 - mono: 26 dB:n signaali-kohinasuhteella : 1 μ V 40 kHz:n pyyhkäisyllä
 - stereo: 46 dB:n signaali-kohinasuhteella : 50 μ V 40 kHz:n pyyhkäisyllä
- Harmoninen kokonaissärö, mono : 0,2 %
- Sieppaussuhde : 1,8 dB
- AM-vaimennus : 50 dB
- ST-vaimennus : 80 dB
- Pilotään vaimennus : 45 dB
- Apukantoaallon vaimennus : 55 dB
- Äänialue : 20 Hz-14 kHz, -1,5 dB
- Stereoerotus
 - 1 kHz:llä : 40 dB
 - 100 Hz - 10 kHz : 30 dB

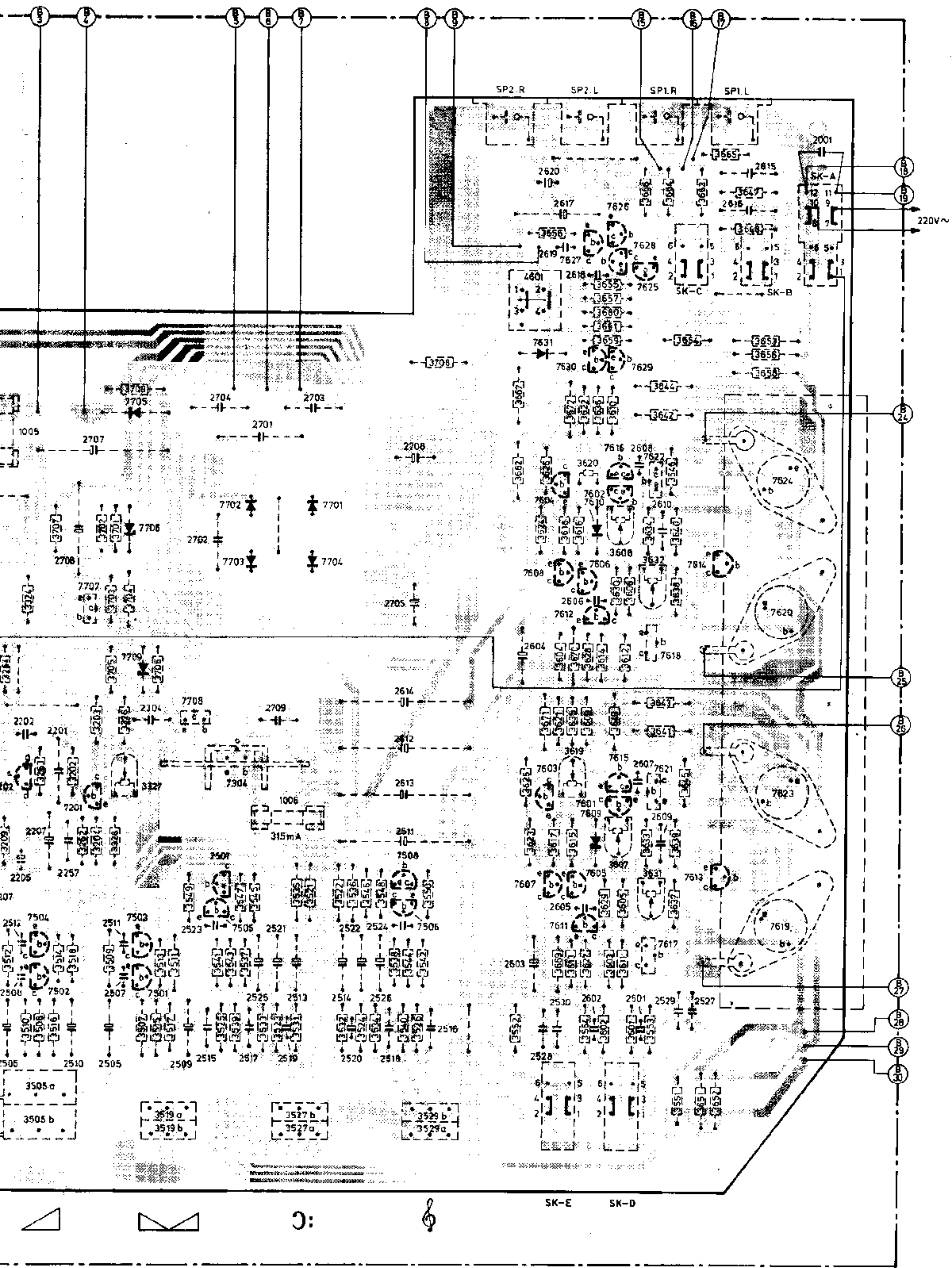




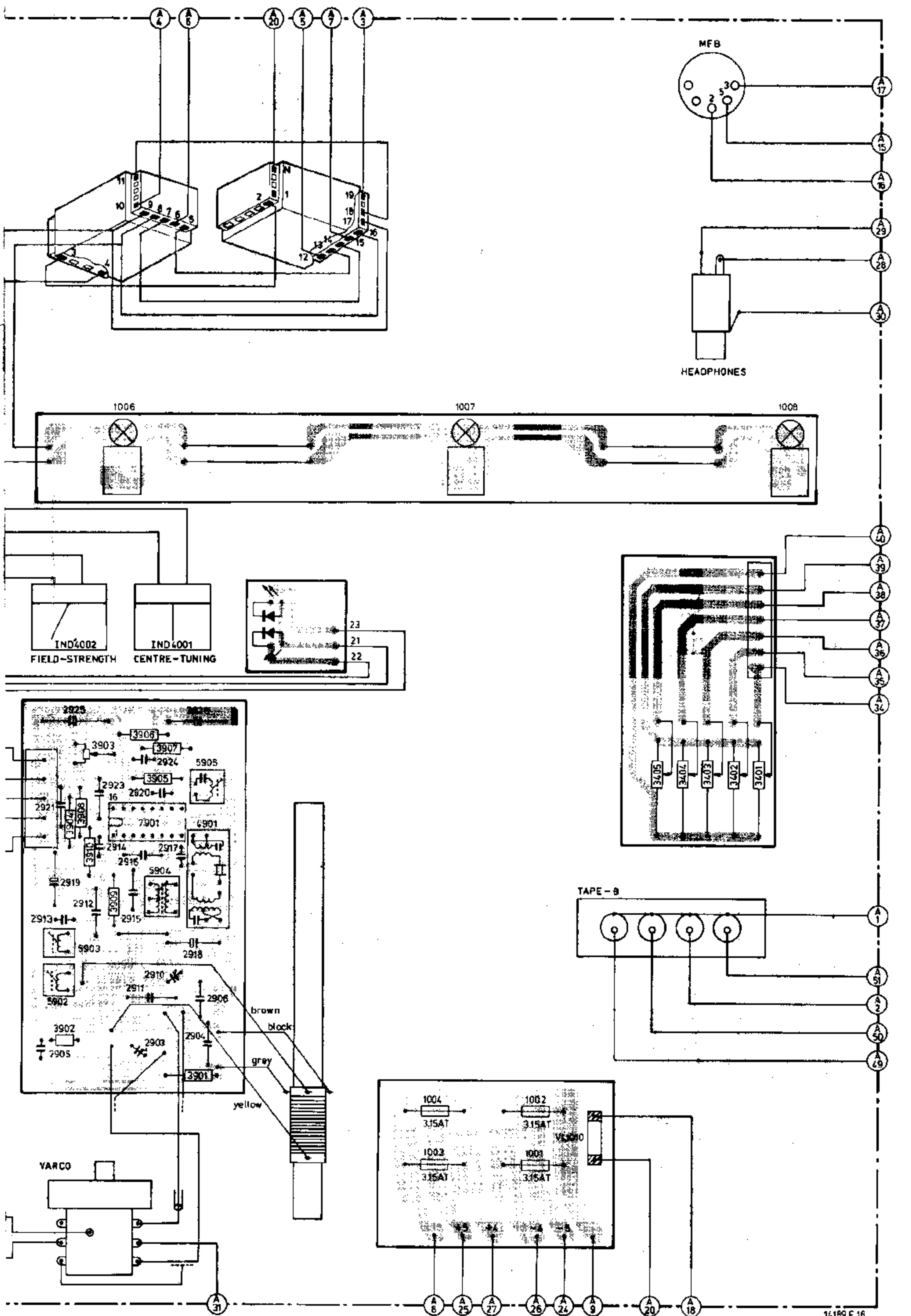
MISC.	SK-P-O-M-N				SK-L 7112, 5102, 111, SK-K 7102, SK-L 7254, 255, 7106...108, SK-H 7517, 516, SK-G 7204 SK-F 7302 1005											
TS					4101	103	7113, 206, 205, 110, 253, 251, 101...104	7256	7207	7301... 306, 203				7202		
C	2401... 414 2222... 226				2101... 228				2204... 214, 303, 301 2202, 201							
C	2002 2218, 217 2305 2302				2501... 504											
R	3559, 557 3560, 558				3108, 105								3710, 264			
R					3101... 104				3108... 113				3214, 205... 210			
R					3114... 118				3251... 261		3215... 218					
R	3401... 422				3121... 126, 107				3133		3141 3211... 213		3512			
R	3228, 227 3321 3301... 303				3336 3346				3131		3502, 504		3501, 503, 505a, b, 510			



1005	7709,705,705	7704...701	1006	4601	7601,631,609,610,SK-E,SK-D	SK-C	SK-B	SK-A
7202,502,504	7201	7501,503	7505,507,304	7508,506	7608,606,604,602,601,625...630	7613,614	7619,623,620,624	
2304,505...512		2523,525,521,701...704,526,506,524,516,705,706		2611...614	7619,612,611,615,616,622,621,617,618	2615	2001	
		2519,517,515,513	2514,520,518		2528,530,617...620,601...610	2529,527	2616	
264,263	3262	3701...707	3547,545,539,527,522,538,546,548,550	3708	3667	3601...630	3663,666	3648,647
210		3709	3549,541,543,537,533,523,531	3538,544,542	3662	3669,672	3649	3646,637,654
	3202...204,362...328	3519,511,525,539		3532,534,540,526		3655	657,553,654	3656,650...653
12	3514,518	3509	3507,515,517	3527a,b		3635	3636	3631...634
510,508,516		3519a,b			3552	3659,661,554		

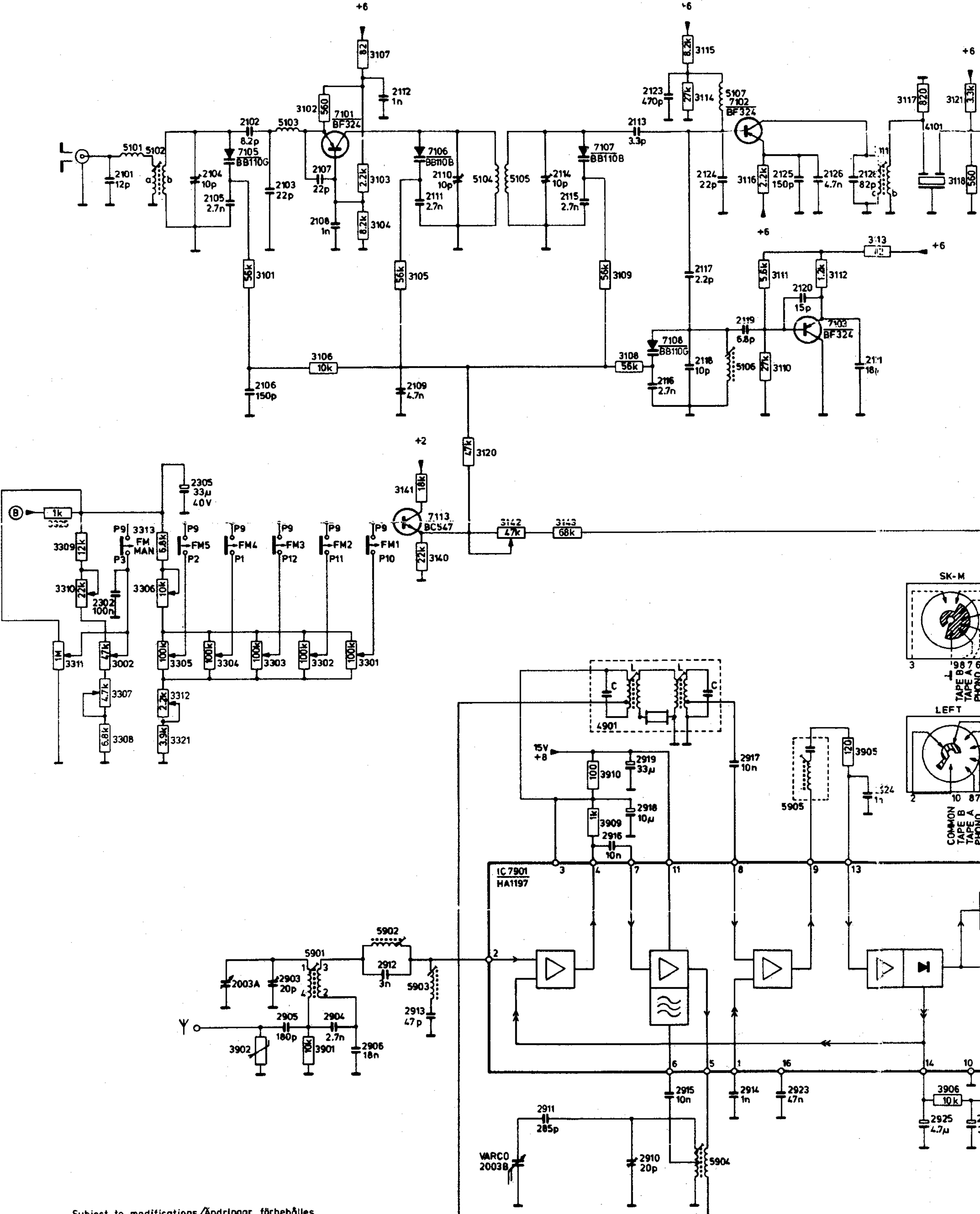
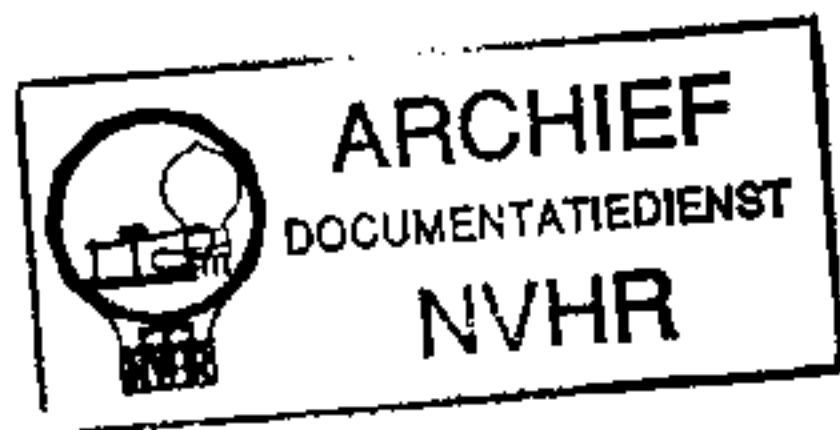


5902, 903, 1006, 7901, 5904, 905, 4901	1007	1001	004	1008	MISC.
2925, 919, 923, 924, 920, 2926					TS
2921, 905, 2910, 918, 2903, 904, 906					C
3902, 904					C
3908, 910					R
3905, 907				3405, 404, 403, 402, 401	R
3901					R
					R

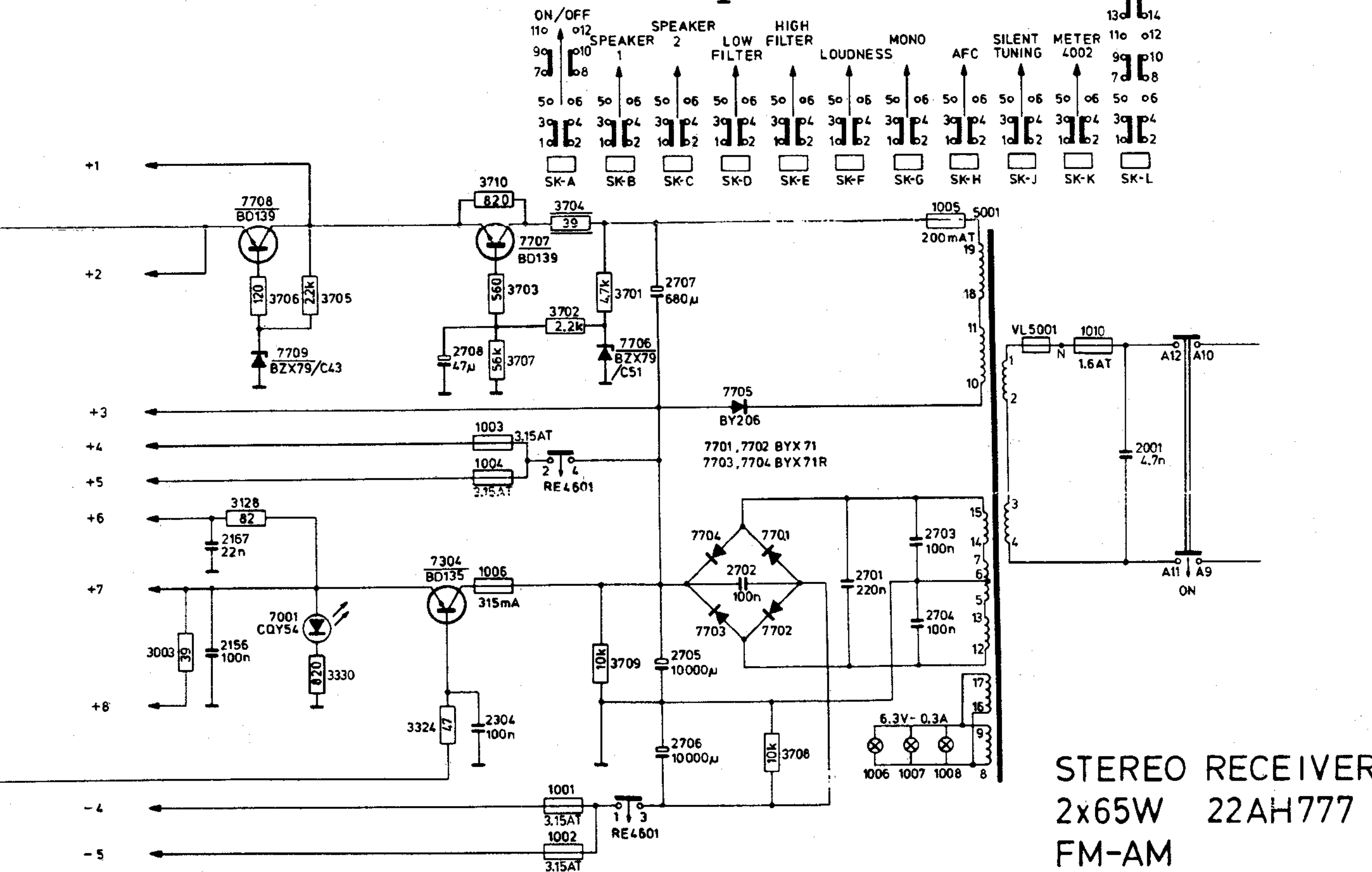
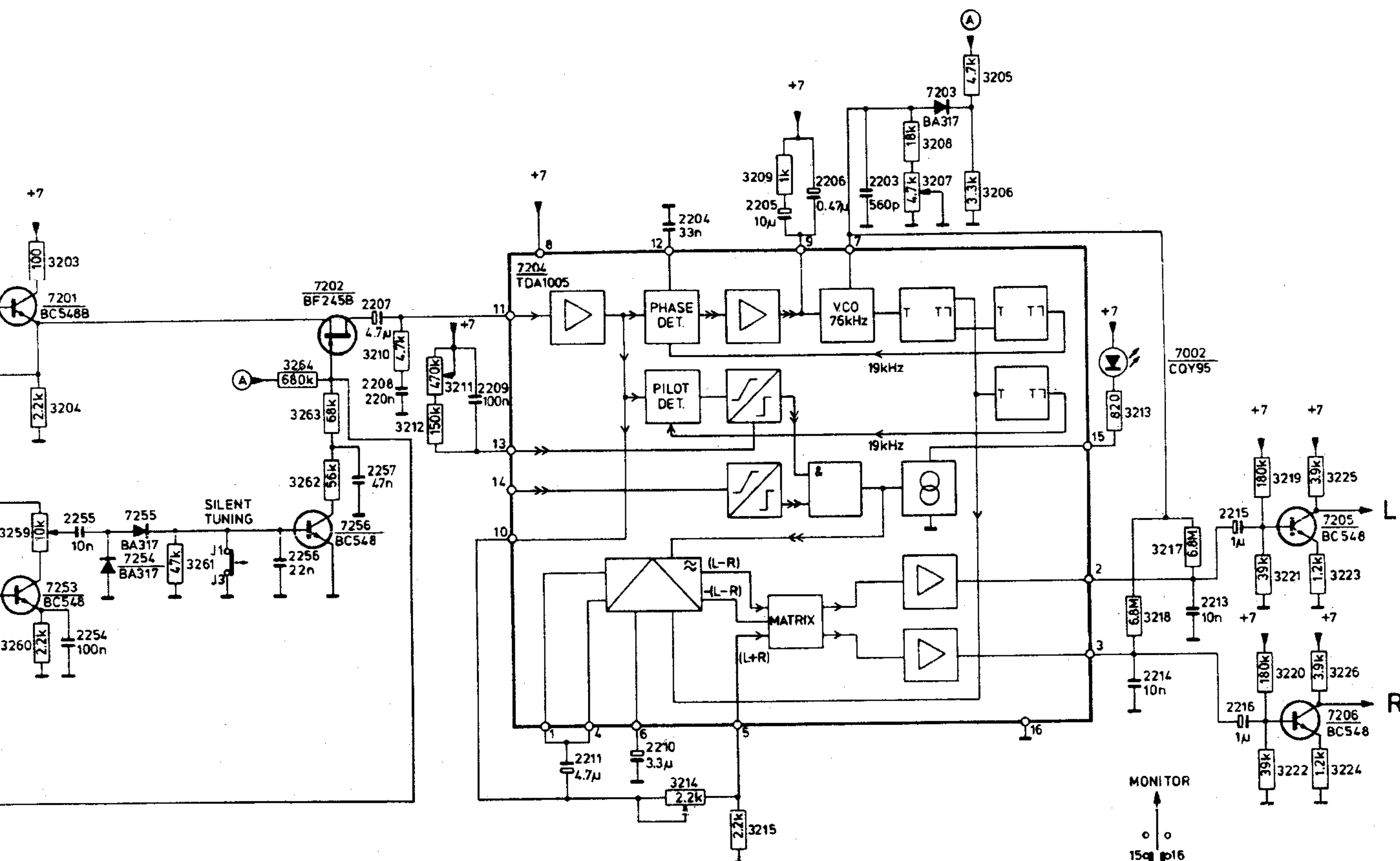


MISC	7105	7101	7106, 7113	IC7901	7107, 4901	7108	7102	7103	4101
S	5101, 5102	5103	5901	5902, 5903	5104, 5105	5904	5107, 5106	5905	5111
C	2302, 2101...2106, 2305, 2003A	2903...2906, 2912, 2913	2109...2112, 2003B	2911	2910, 2113...2120, 2914...2919	2923, 2123...2126, 2120, 2121, 2128, 2124, 2925, 2926			
R	3325, 3309...3312, 3321	3902, 3901, 3301...3308, 3101...3107	3140...3143, 3120	3909, 3910	3108...3111	3112...3116	3905...3907	3117, 3121, 3118	3124...

Ned. Ver. v. Historie v/d Radio

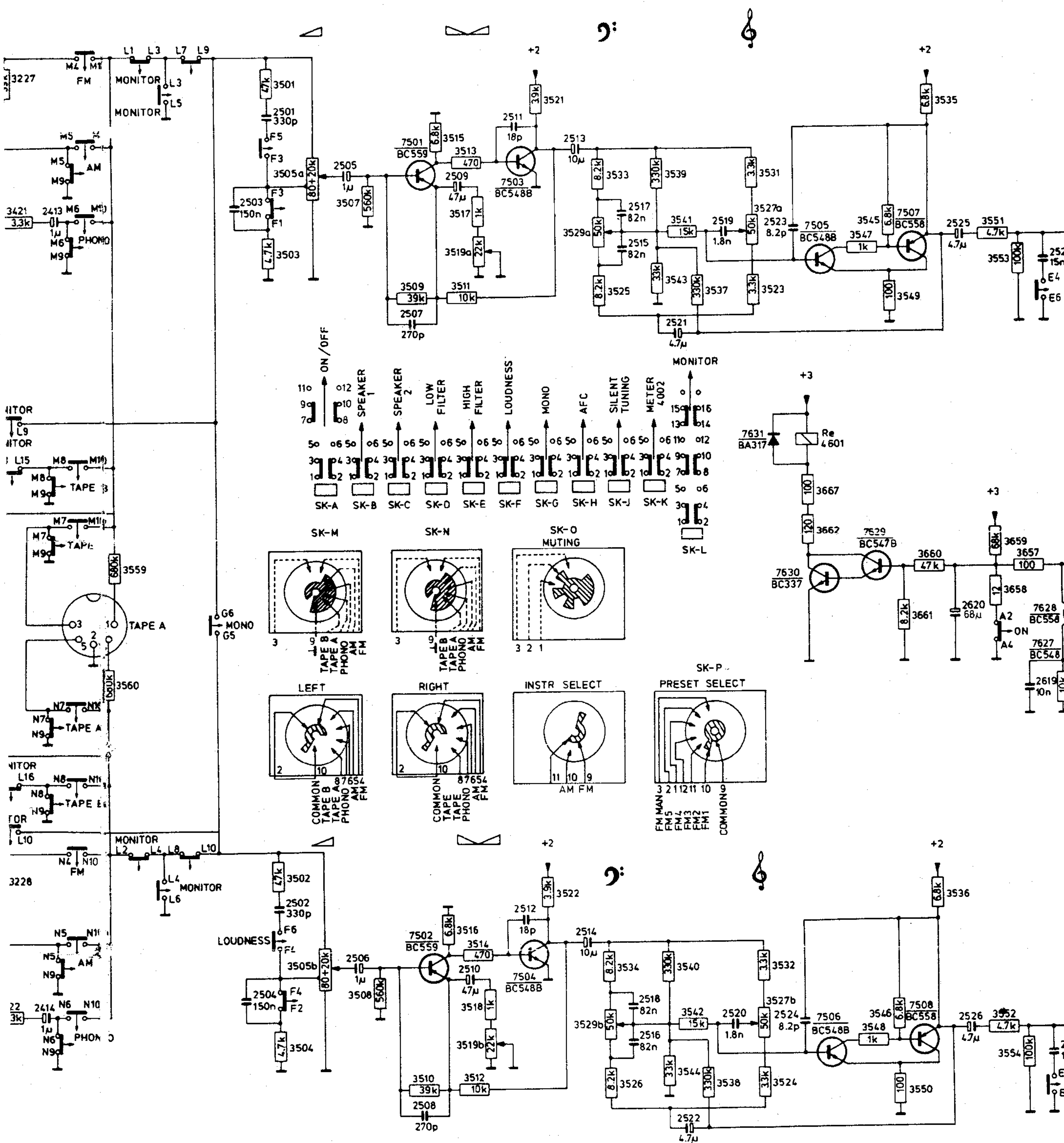


253...7255	7709,7708,7001,7202,7256,7304,	7707,7204,1001...1004,1006,4601,7706,7701...7705	1006...1008,7203 VL5001,	1010	7002	7205,7206
			5001			
2254,2255,2167,2156,2256	2257	2207...2209	2708,2304,2211,2210	2705...2707	2203...2206	2701,2703,2704
						2001
						2213...2216
204	3003 3261...3264,3128,3705,3706,3330,3210...3212	3324,3710,3701...3704,3709 3707	3214 3215	3708	3205...3209	3213
						3217...3225

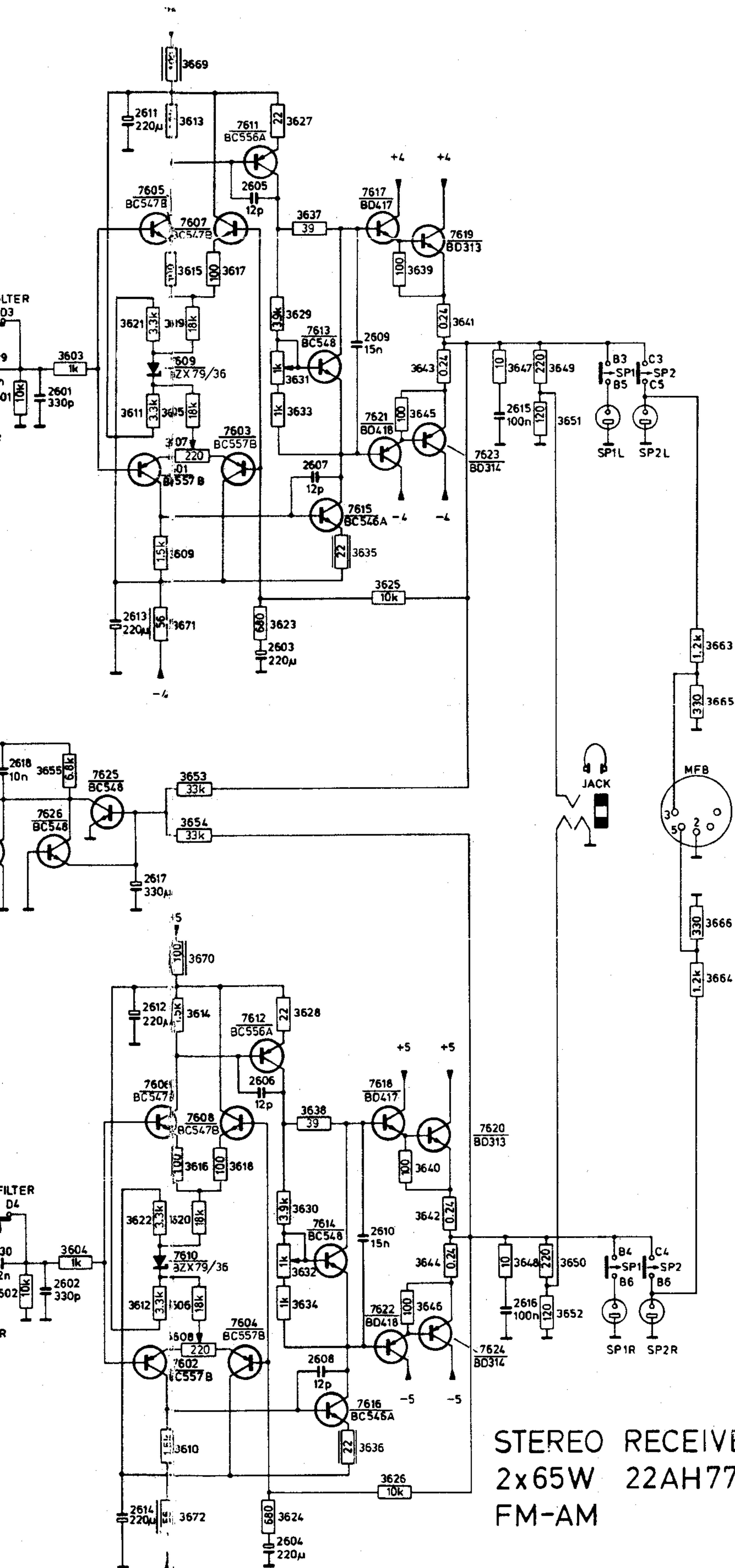


STEREO RECEIVER
2x65W 22AH777
FM-AM

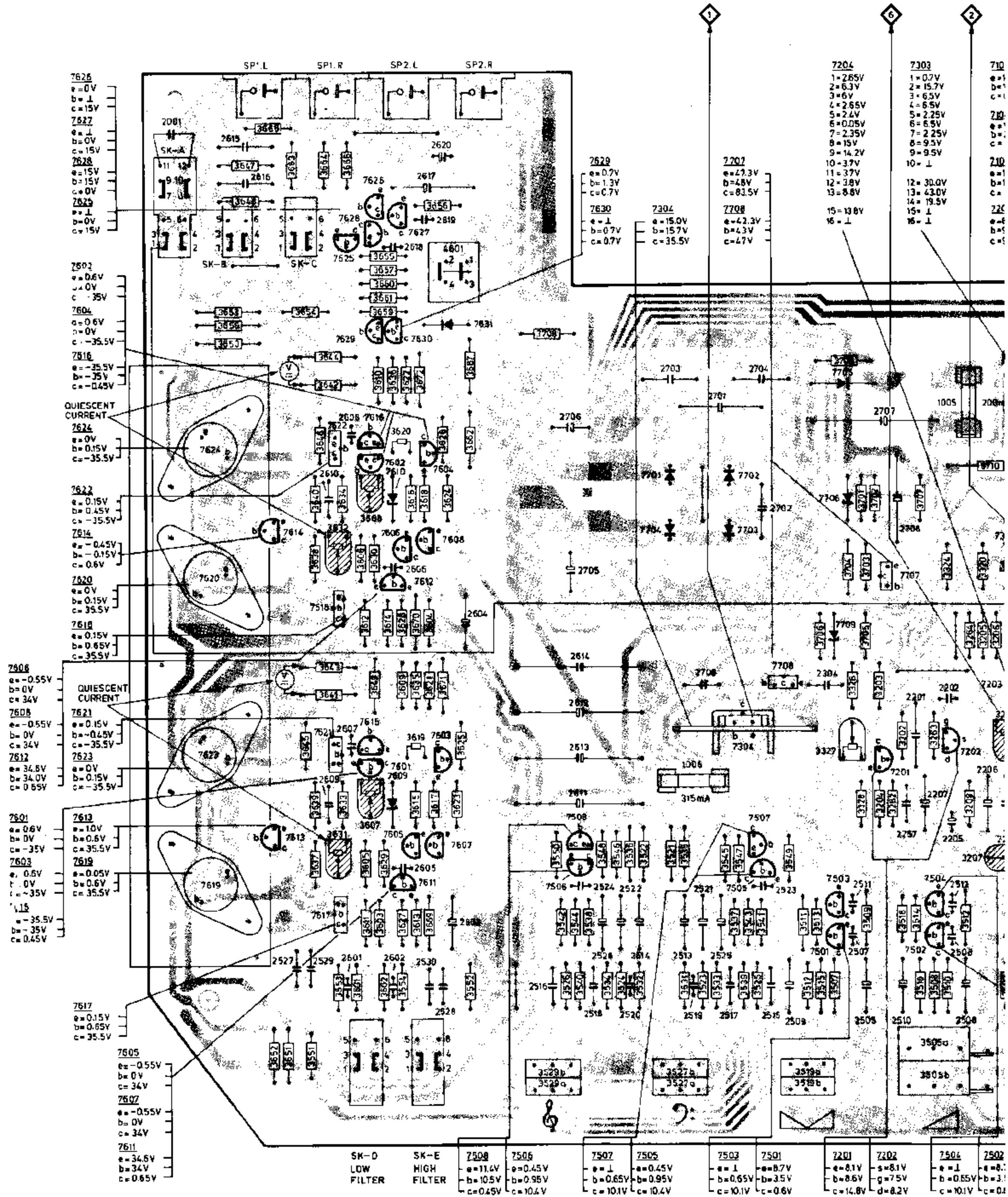
		7501...7504		RE4601.7505...7508	7629...7631	7625...7628
2413,2414	2501...2506	2507...2512		2513...2522	2523...2524	2525...2530 2518...2620
8 3557...3560	3501...3505	3507...3519		3521,3522,3529,3525,3526,3533,3534,3537...3544,3531,3532,3527,3523,3524,3545...3550,3535,3536,3657...3662,3551...3554,3555,3556,3557,3558,3559,3561,3562,3563,3564,3565,3566,3567,3568,3569,3570,3571,3572,3573,3574,3575,3576,3577,3578,3579,3580,3581,3582,3583,3584,3585,3586,3587,3588,3589,3590,3591,3592,3593,3594,3595,3596,3597,3598,3599,3600,3601,3602,3603,3604,3605,3606,3607,3608,3609,3610,3611,3612,3613,3614,3615,3616,3617,3618,3619,3620,3621,3622,3623,3624,3625,3626,3627,3628,3629,3630,3631,3632,3633,3634,3635,3636,3637,3638,3639,3640,3641,3642,3643,3644,3645,3646,3647,3648,3649,3650,3651,3652,3653,3654,3655,3656,3657,3658,3659,3660,3661,3662,3663,3664,3665,3666,3667,3668,3669,3670,3671,3672,3673,3674,3675,3676,3677,3678,3679,3680,3681,3682,3683,3684,3685,3686,3687,3688,3689,3690,3691,3692,3693,3694,3695,3696,3697,3698,3699,3700,3701,3702,3703,3704,3705,3706,3707,3708,3709,3710,3711,3712,3713,3714,3715,3716,3717,3718,3719,3720,3721,3722,3723,3724,3725,3726,3727,3728,3729,3730,3731,3732,3733,3734,3735,3736,3737,3738,3739,3740,3741,3742,3743,3744,3745,3746,3747,3748,3749,3750,3751,3752,3753,3754,3755,3756,3757,3758,3759,3760,3761,3762,3763,3764,3765,3766,3767,3768,3769,3770,3771,3772,3773,3774,3775,3776,3777,3778,3779,3780,3781,3782,3783,3784,3785,3786,3787,3788,3789,3790,3791,3792,3793,3794,3795,3796,3797,3798,3799,3800,3801,3802,3803,3804,3805,3806,3807,3808,3809,3810,3811,3812,3813,3814,3815,3816,3817,3818,3819,3820,3821,3822,3823,3824,3825,3826,3827,3828,3829,3830,3831,3832,3833,3834,3835,3836,3837,3838,3839,3840,3841,3842,3843,3844,3845,3846,3847,3848,3849,3850,3851,3852,3853,3854,3855,3856,3857,3858,3859,3860,3861,3862,3863,3864,3865,3866,3867,3868,3869,3870,3871,3872,3873,3874,3875,3876,3877,3878,3879,3880,3881,3882,3883,3884,3885,3886,3887,3888,3889,3890,3891,3892,3893,3894,3895,3896,3897,3898,3899,3900,3901,3902,3903,3904,3905,3906,3907,3908,3909,3910,3911,3912,3913,3914,3915,3916,3917,3918,3919,3920,3921,3922,3923,3924,3925,3926,3927,3928,3929,3930,3931,3932,3933,3934,3935,3936,3937,3938,3939,3940,3941,3942,3943,3944,3945,3946,3947,3948,3949,3950,3951,3952,3953,3954,3955,3956,3957,3958,3959,3960,3961,3962,3963,3964,3965,3966,3967,3968,3969,3970,3971,3972,3973,3974,3975,3976,3977,3978,3979,3980,3981,3982,3983,3984,3985,3986,3987,3988,3989,3990,3991,3992,3993,3994,3995,3996,3997,3998,3999,4000,4001,4002,4003,4004,4005,4006,4007,4008,4009,4010,4011,4012,4013,4014,4015,4016,4017,4018,4019,4020,4021,4022,4023,4024,4025,4026,4027,4028,4029,4030,4031,4032,4033,4034,4035,4036,4037,4038,4039,4040,4041,4042,4043,4044,4045,4046,4047,4048,4049,4050,4051,4052,4053,4054,4055,4056,4057,4058,4059,4060,4061,4062,4063,4064,4065,4066,4067,4068,4069,4070,4071,4072,4073,4074,4075,4076,4077,4078,4079,4080,4081,4082,4083,4084,4085,4086,4087,4088,4089,4090,4091,4092,4093,4094,4095,4096,4097,4098,4099,4100,4101,4102,4103,4104,4105,4106,4107,4108,4109,4110,4111,4112,4113,4114,4115,4116,4117,4118,4119,4120,4121,4122,4123,4124,4125,4126,4127,4128,4129,4130,4131,4132,4133,4134,4135,4136,4137,4138,4139,4140,4141,4142,4143,4144,4145,4146,4147,4148,4149,4150,4151,4152,4153,4154,4155,4156,4157,4158,4159,4160,4161,4162,4163,4164,4165,4166,4167,4168,4169,4170,4171,4172,4173,4174,4175,4176,4177,4178,4179,4180,4181,4182,4183,4184,4185,4186,4187,4188,4189,4190,4191,4192,4193,4194,4195,4196,4197,4198,4199,4200,4201,4202,4203,4204,4205,4206,4207,4208,4209,4210,4211,4212,4213,4214,4215,4216,4217,4218,4219,4220,4221,4222,4223,4224,4225,4226,4227,4228,4229,4230,4231,4232,4233,4234,4235,4236,4237,4238,4239,4240,4241,4242,4243,4244,4245,4246,4247,4248,4249,4250,4251,4252,4253,4254,4255,4256,4257,4258,4259,4260,4261,4262,4263,4264,4265,4266,4267,4268,4269,4270,4271,4272,4273,4274,4275,4276,4277,4278,4279,4280,4281,4282,4283,4284,4285,4286,4287,4288,4289,4290,4291,4292,4293,4294,4295,4296,4297,4298,4299,4300,4301,4302,4303,4304,4305		



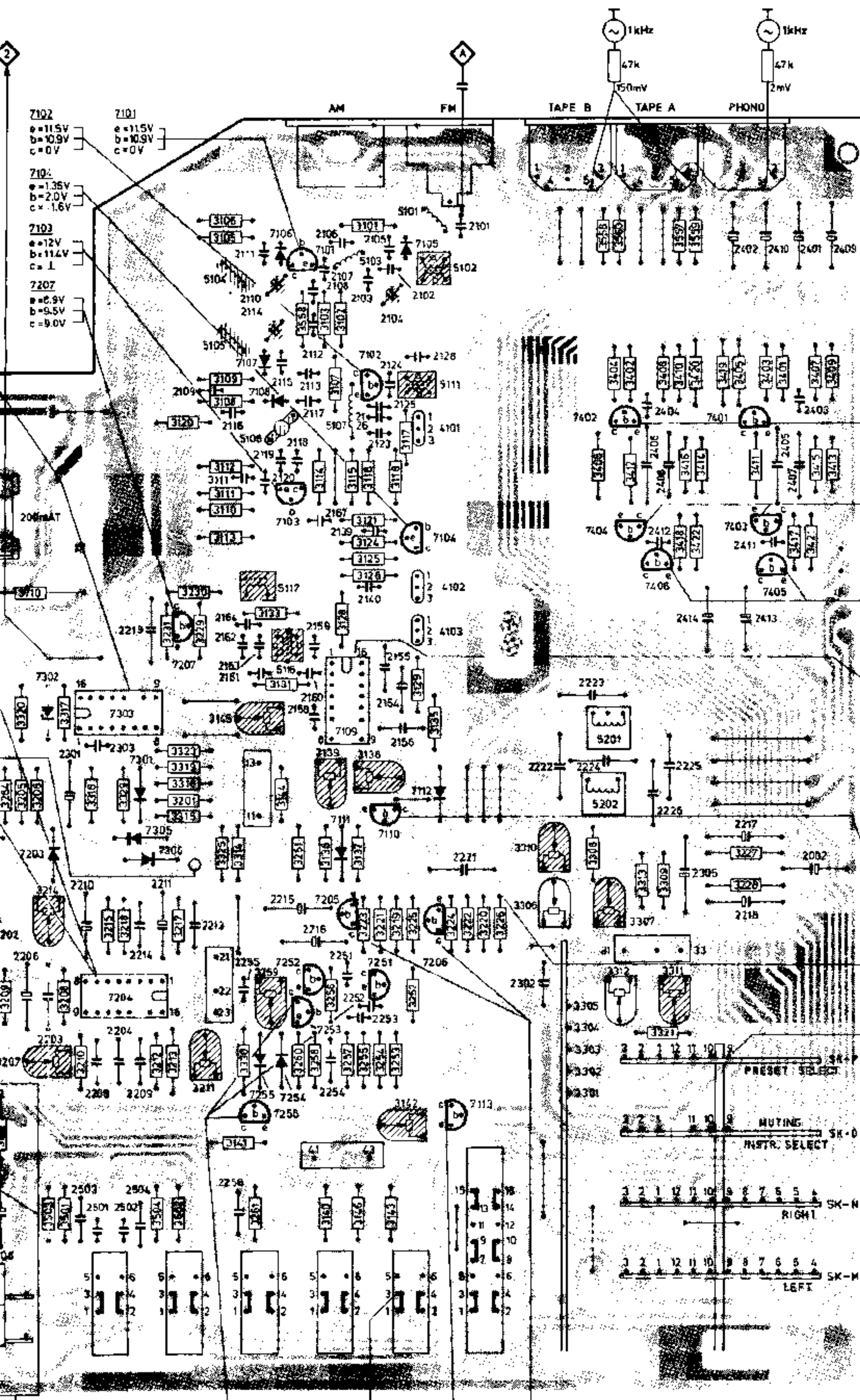
7611...7612				7613...7624			
01.2602	2611...2614	2617	2603...2610	2615	2616		
3556	3601...3604	3605...3614	3669	3670	3623...3638	3639...3646	3647...3652
					3663...3666		



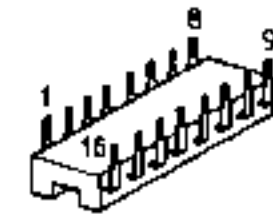
MISC.	SK-A	SK-B	SK-C	SK-D, SK-E, 7610, 609, 631, 601, 4601	1006	7701...704	7705, 706, 709	1005
TS	7624, 620, 623, 619	7614, 613	7625...630, 601, 602, 604, 606, 608	7506, 508	7304, 507, 505	7503, 501	7201	7504, 502, 202
C	2001	2615	7618, 617, 621, 622, 616, 615, 611, 612, 619	2706, 705, 516, 524, 506, 526, 701...704, 521, 525, 523	2505...512, 304	2201, 202		
C	2616	2527, 529	2601...610	2617...620, 530, 528	2611...614	2518, 520, 514	2513, 515, 517, 519	
R	3647, 648	3653...666	3601...630	3667	3708	3550	3548, 546, 536, 522, 521, 535, 545, 547	3701...707
R	3650...653, 656	3654, 637, 646	3649	3669...672	3662	3542, 544, 538	3531, 523, 533, 537, 543, 541, 549	3709
R		3654, 553, 665, 657				3526, 540, 534, 532	3539, 525, 511, 513	3326...328, 202...284
R		3631...634	3636	3635		3529a, b	3527a, b	3517, 515, 507
R			3554, 659...661	3552			3519a, b	3508
								3518, 514
								3512
								3516, 508, 510, 505a, b, 3



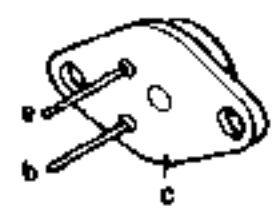
7302 SK-F 7204 SK-G 7506, 517, 5K-H, 7106, 104, 255, 254, SK-J, 7105, SK-K, 5102, 111, 7112, SK-L	SK-P, -O, -M, -N
7203, 301, 306, 7207, 7256, 7101, 104, 251, 253, 110, 7205, 206, 113, 4101, 103	
2201, 202, 2301, 303, 204, 214	2101, 228, 2222, 228, 2401, 414
2501, 504	2302, 2305, 2217, 216, 2002
710	3105, 106, 3558, 560, 3557, 559
210, 214	3108, 113, 3101, 104
3215, 218, 3251, 261, 3114, 118	
3211, 213, 3141, 3133, 3107, 121, 129	3401, 422
505a, b, 3503, 501, 3504, 502, 3131, 3336, 346	3301, 313, 3321, 3227, 228



TRANSISTOR LAY-OUT



IC 7109
IC 7204
IC 7303
IC 7901



TS 7619 - 7620
TS 7623 - 7624



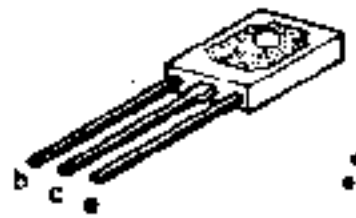
TS 7101
TS 7110 - 13
TS 7201 - 05-06-07
TS 7251 - 52-53-56
TS 7401 - 06
TS 7501 - 08
TS 7601 - 08
TS 7611 - 16
TS 7625 - 30



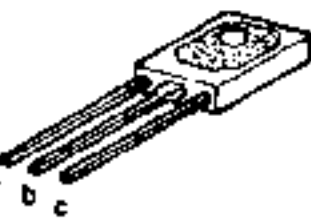
TS 7104



TS 7202



TS 7304
TS 7707 - 08



TS 7617 - 18
TS 7621 - 22



D 7105 - 08



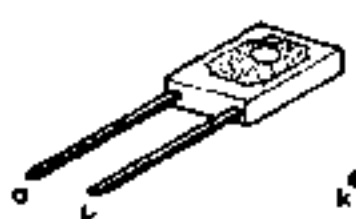
D 7111 - 12
D 7203
D 7254 - 55
D 7301 - 05 - 06
D 7531



D 7302



D 7609 - 10
D 7705 - 06
D 7709



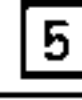
D 7701 - 02



D 7703 - 04

7502 e=0.7V b=3.5V c=0.65V	SK-F LOUDNESS	SK-G MONO	SK-H AFC	SK-I SILENT TUNING	SK-K INSTRUMENT SWITCH	SK-L MONITOR	7113 e=17-19.0V b=4.05-13.75V c=37V	7205 e=1.75V b=1.95V c=9.4V	7206 e=1.75V b=1.95V c=9.4V
7256 e=1 b=0V/0.6V c=6.5V/0V	7251 e=1.8V b=2.45V c=7.0V	7252 e=2.45V b=2.85V c=15.0V	7251 e=6.5V b=6.6V c=15.0V						

14190 E 16

SK...			Trimming Point	Detune	Adjust 			
Wave range	Signal to							
					R3327		 15 V $\pm$ 0.1 V	
							 IC7303 12: 30 V ($\pm$ 2 V) 13: 41 V ($\pm$ 2 V)	
				C2104 C2110 C2114 R3138 R3139				
					R3145			
					S5116			
88.0-103.5 MHz	103.5 MHz 1 kHz						 13.75 V DC	
				S5106				
	88 MHz 1 kHz				S5106			
							 4.05 V DC	
					S5102 S5104 S5105		 max.	
	103.5 MHz 1 kHz						 13.75 V DC	
					C2104 C2110 C2114		 max.	
	103.5 MHz 1 kHz $\Delta f = 75$ kHz		} 1 mV			S5117	 min. 1 kHz	
						S5111		
						R3142		  103.5 MHz
						R3139		 = 4.5
	103.5 MHz 1 kHz $\Delta f = 75$ kHz		} 2.5 μ V			R3138		 = 0.5
					R3207		 via 10 M Ω f = 76 kHz	
	103.5 MHz 19 kHz $\Delta f = 5.6$ kHz				R3211		till IND 7002 is lit	
	103.5 MHz $\Delta f = 90$ % 400 Hz/6300 Hz				R3214		 min.	
	103.5 MHz 1 kHz 5 μ V				R3259		 till silent tuning SWITCH ON	
	88 MHz 1 kHz				R3307			
	105 MHz 1 kHz				R3310			
	96 MHz				R3311			

 Repeat

GB

- 1 Set the capacitors to the mechanical centres.
- 2 Short-circuit IC7109 points 3-4.
- 3 To be so adjusted that the pointer of IND4001 is in the centre.
- 4 Set IND4002 to "preset instrument" position.
- 5 Set IND4002 to "field strength" position.
- 6 Silent tuning switch depressed.

F

- 1 Placer les condensateurs en position médiane.
- 2 Court-circuiter les points 3-4 de l'IC7109.
- 3 Ajuster de façon que l'index de IND4001 se trouve au centre.
- 4 Placer IND4002 en position "preset instrument" (préréglage instrument).
- 5 Placer IND4002 en position "puissance de champ" (field strength)
- 6 Enfoncer le commutateur de l'accord silencieux.

I

- 1 Mettere i condensatori in posizione media.
- 2 Corto-circuitare i punti 3-4 dell'IC7109.
- 3 Regolare in modo che l'indice di IND4001 si trovi al centro.
- 4 Mettere IND4002 in posizione "preregolazione dello strumento" (preset instrument).
- 5 Mettere IND4002 in posizione "potenza di campo" (field strength).
- 6 Spingere il commutatore di sintonia silenziosa.

DK

- 1 Sæt kondensatorerne i mekanisk midterstilling.
- 2 Kortslut IC7109, punkt 3-4.
- 3 Juster således at viseren i IND4001 står i midterstilling.
- 4 Sæt IND4002 i stilling "preset instrument".
- 5 Sæt IND4002 i stilling "field strenght".
- 6 Indtryk omskifteren "silent tuning".

NL

- 1 De condensatoren in de mechanische middenstand zetten.
- 2 IC7109 punt 3-4 kortsluiten.
- 3 Zo instellen dat de meter van IND4001 in het midden staat.
- 4 IND4002 in positie "preset instrument".
- 5 IND4002 in positie "veldsterkte" (field strength).
- 6 Silent tuning schakelaar ingedrukt.

D

- 1 Die Kondensatoren in die mechanische Mittelstellung setzen.
- 2 IC7109 Punkte 3-4 kurzschliessen.
- 3 So einstellen, dass das Messinstrument von IND4001 in der Mitte steht.
- 4 IND4002 in Stellung "Preset Instrument" setzen.
- 5 IND4002 in Stellung "Feldstärke" setzen.
- 6 Stummabstimmsschalter gedrückt.

S

- 1 Ställ kondensatorerna i sina mekaniska mittlägen.
- 2 Kortslut stift 3-4 på IC7109.
- 3 Justera så att visaren på IND4001 står i mittläge.
- 4 Koppla IND4002 i läge "preset instrument".
- 5 Koppla IND4002 i läge "signalstyrka".
- 6 Tryck in tangenten "silent tuning".

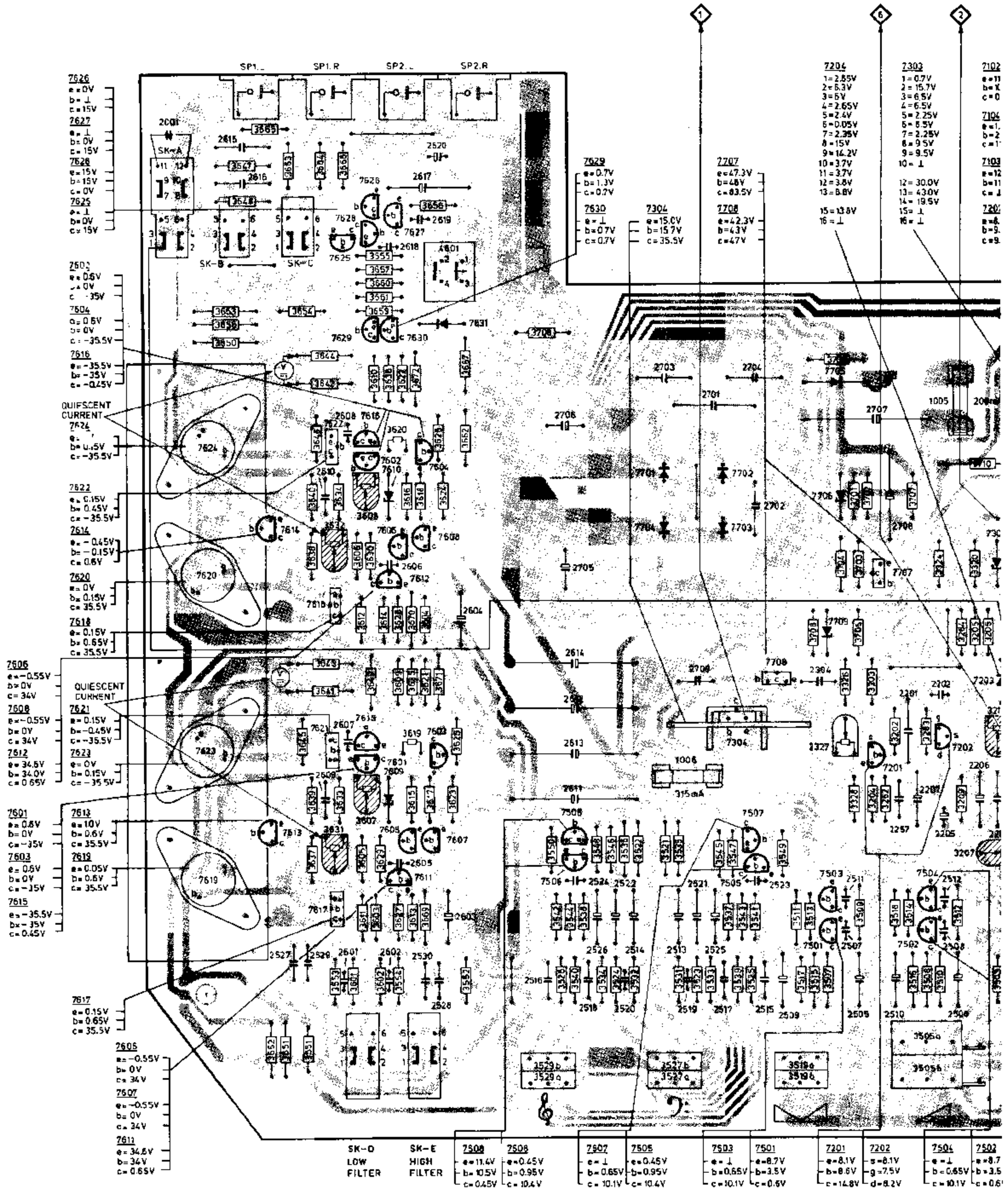
N

- 1 Innstill kondensatorene til mekanisk senter.
- 2 Kortslutt IC7109, punktene 3-4.
- 3 Juster slik at IND4001 viser står i senter.
- 4 Sett IND4002 i posisjon "preset instrument".
- 5 Sett IND4002 i posisjon "field strenght".
- 6 Silent tuning vender inntrykket.

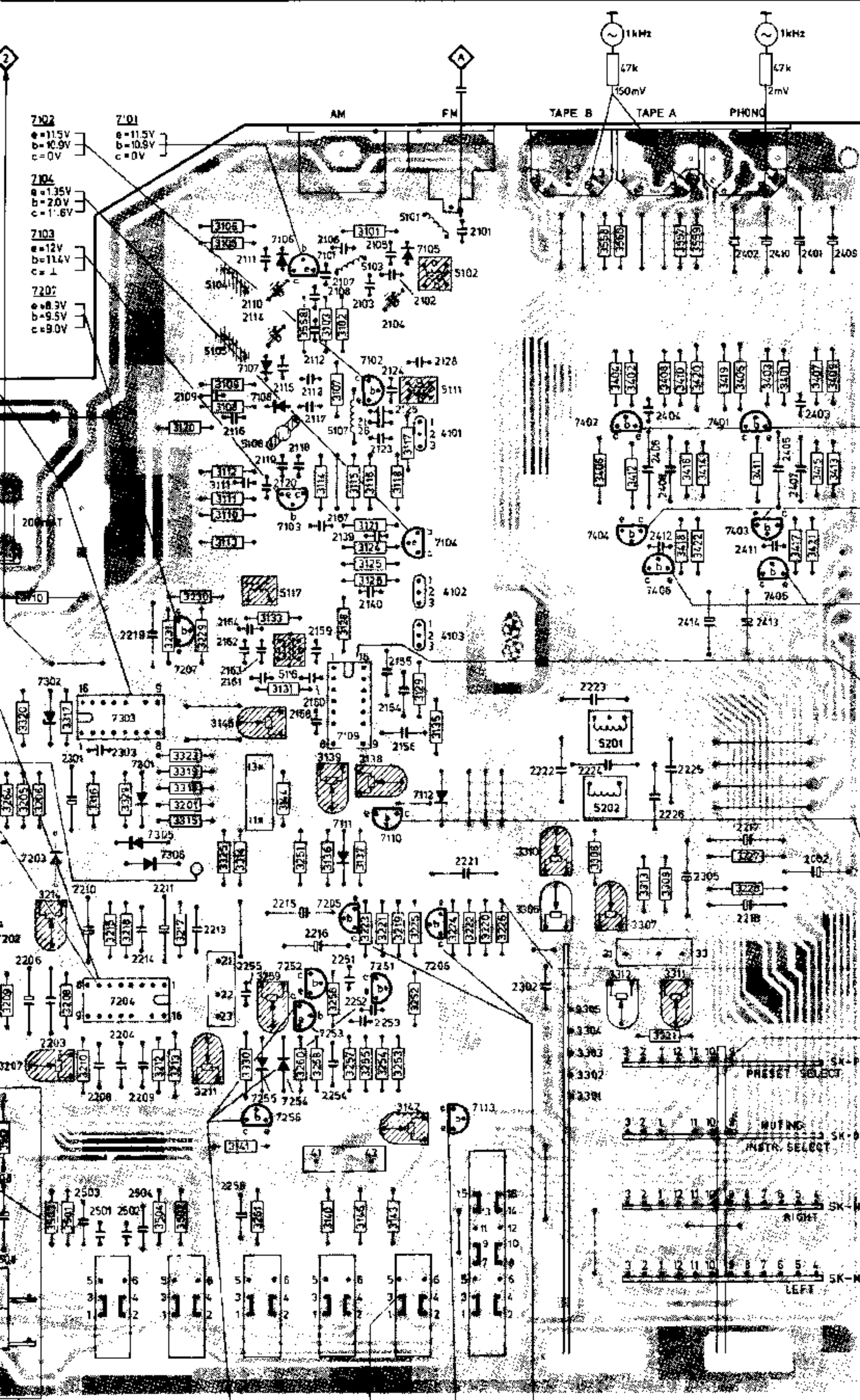
SF

- 1 Aseta kondensaattorit mekaanisiin keskiasentoihinsa.
- 2 Oikosulje IC7109 pisteet 3-4.
- 3 Säädetään siten että indikaattorin 4001 osoitin on keskellä.
- 4 Aseta indikaattori 4002 asentoon "preset instrument".
- 5 Aseta indikaattori 4002 asentoon "field strenght".
- 6 "Silent tuning"-kytkin alaspainettuna.

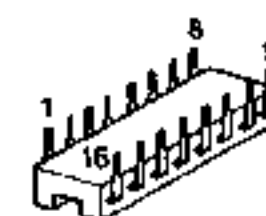
MISC.	SK-A	SK-B	SK-C	SK-D, SK-E, 7610, 609, 631, 601, 4501	1006	7701...704	7705, 706, 709	1005			
TS	7624, 620, 623, 619	7614, 613	7625...630, 601, 602, 604, 605, 608	7506, 508	7304, 507, 505	7503, 501	7201	7504, 502, 202			
C	2001	2615	7618, 617, 621, 622, 616, 615, 611, 612, 619	2706, 705, 516, 524, 506, 526	701...704, 521, 525, 523	2505...	512, 304	2201, 202			
C		2616	2527, 529	2601...610	2617...620, 530, 528	2611...614	2518, 520, 514	2513, 515, 517, 519			
R	3647, 648	3663...666	3601...630	3667	3708	3550	3548, 546, 536, 522, 521, 535, 545, 547	3701...707	3262	3263, 284, 710	
R	3650...653, 656	3654, 637, 646	3649	3669...672	3662	3542, 544, 538	3531, 523, 533, 537, 543, 541, 549	3709		3205...210...	
R		3654, 553, 655...657				3526, 540, 534, 532	3539, 525, 511, 513	3326...328, 202...204			
R		3631...634	3636	3635		3529a, b		3517, 515, 507	3508	3518, 514	3512
R		3554, 659...661	3552					3519a, b		3516, 506, 510, 505a, b	3519



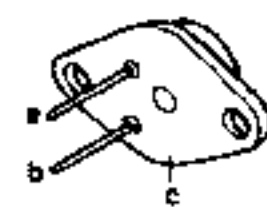
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7203, 301, 306	7207	7256	7101, 104, 251, 253, 110	7205, 206, 113	4101, 103
2201, 202	2301, 303, 204, 214	2101	228	2222	226
2501, 504	3105, 106	3101, 104	3558, 560	3557, 559	2401
05, 210, 214	3215, 218	3251, 261	3114, 118	3401	422
512	3211, 213	3141	3133	3107, 121, 129	3301, 313
505a, b	3503, 501	3504, 502	3131	3336, 346	3321
					3227, 228



TRANSISTOR LAY-OUT



IC 7109
IC 7204
IC 7303
IC 7901



TS 7519 - 7620
TS 7623 - 7624



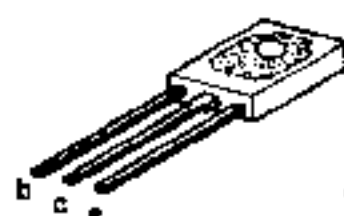
TS 7101
TS 7110 - 13
TS 7201 - 05-06-07
TS 7251 - 52-53-56
TS 7401 - 06
TS 7501 - 08
TS 7601 - 08
TS 7611 - 16
TS 7625 - 30



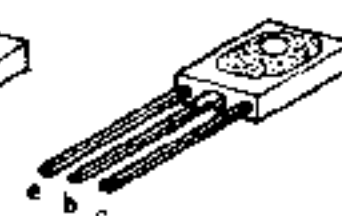
TS 7104



TS 7202



TS 7304
TS 7707 - 08



TS 7617 - 18
TS 7621 - 22



D 7105 - 08



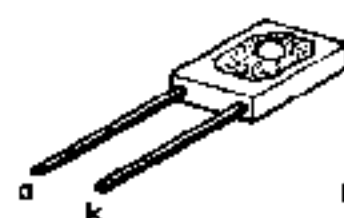
D 7111 - 12
D 7203
D 7254 - 55
D 7301 - 05 - 06
D 7631



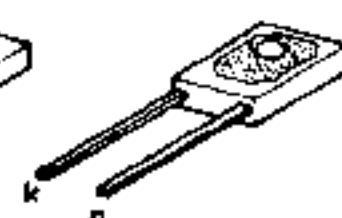
D 7302



D 7609 - 10
D 7705 - 06
D 7709



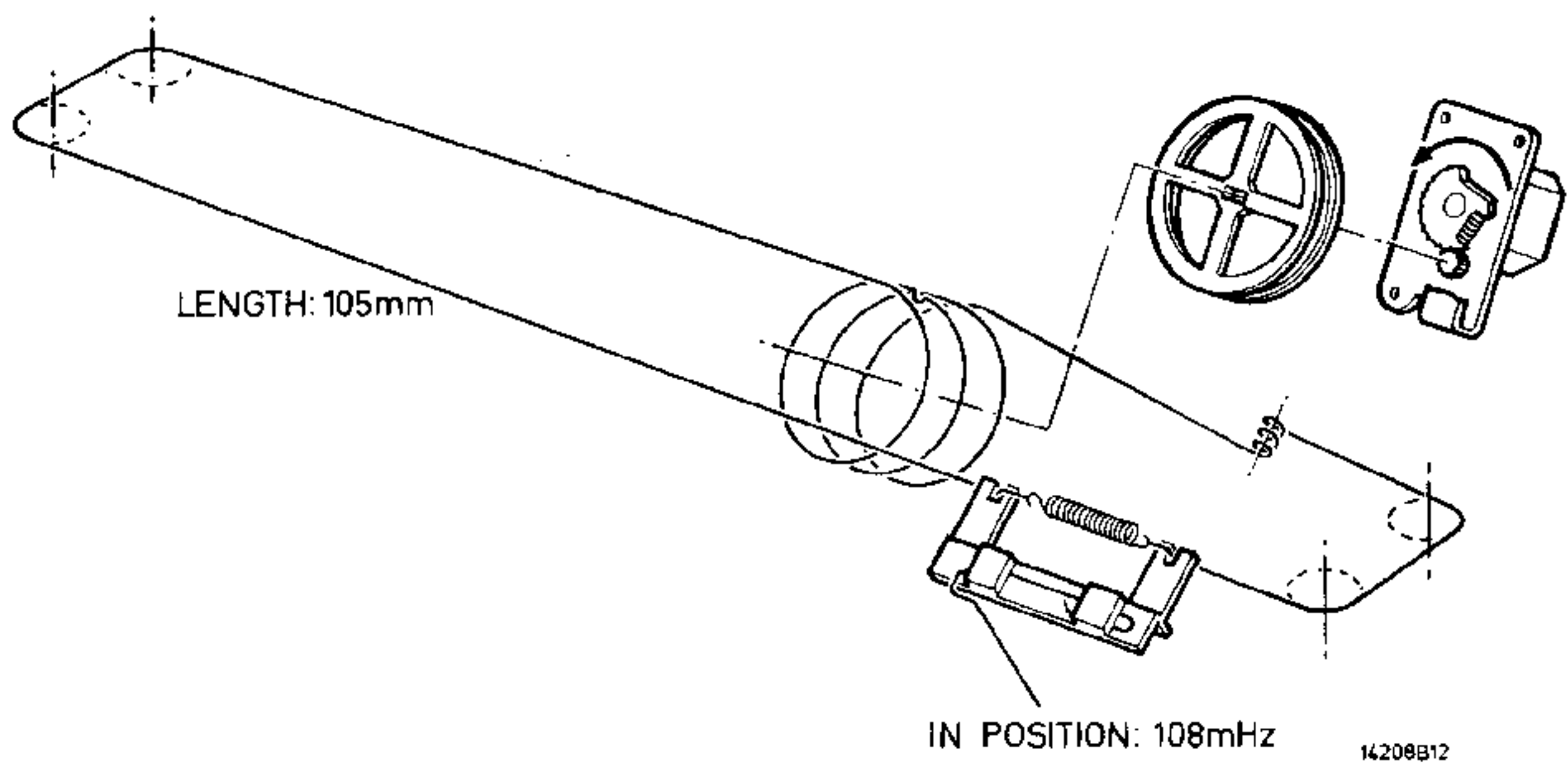
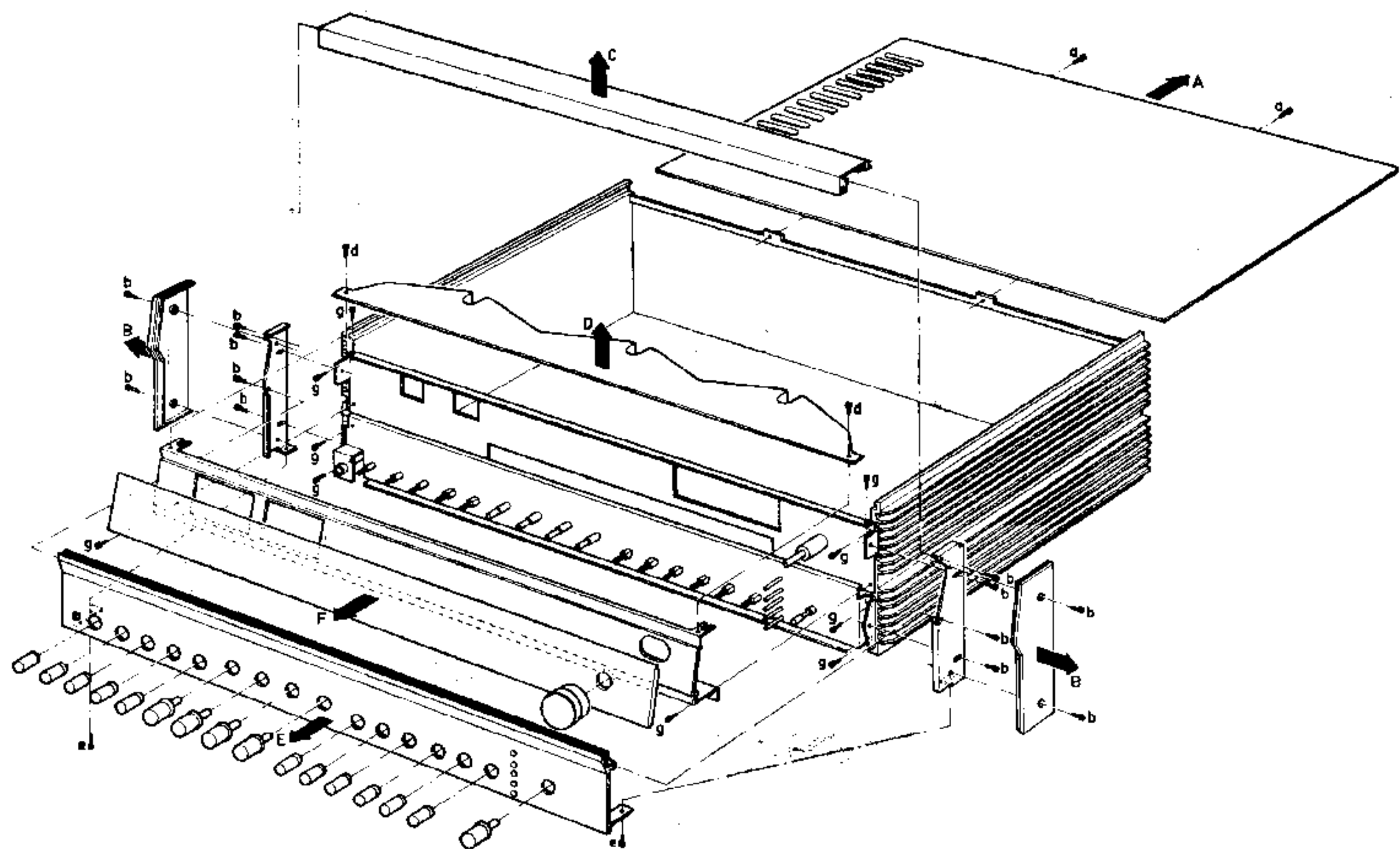
D 7701 - 02

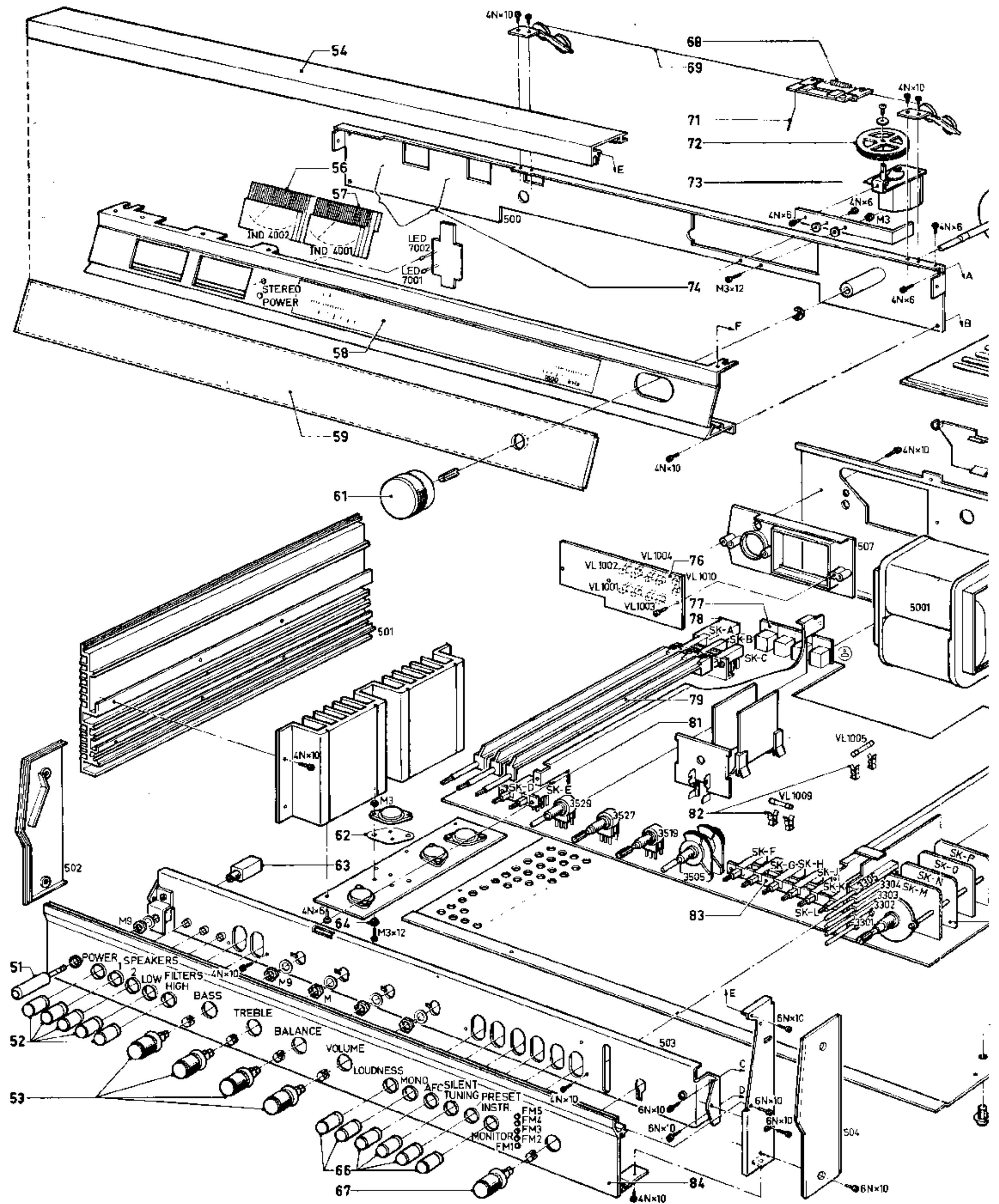


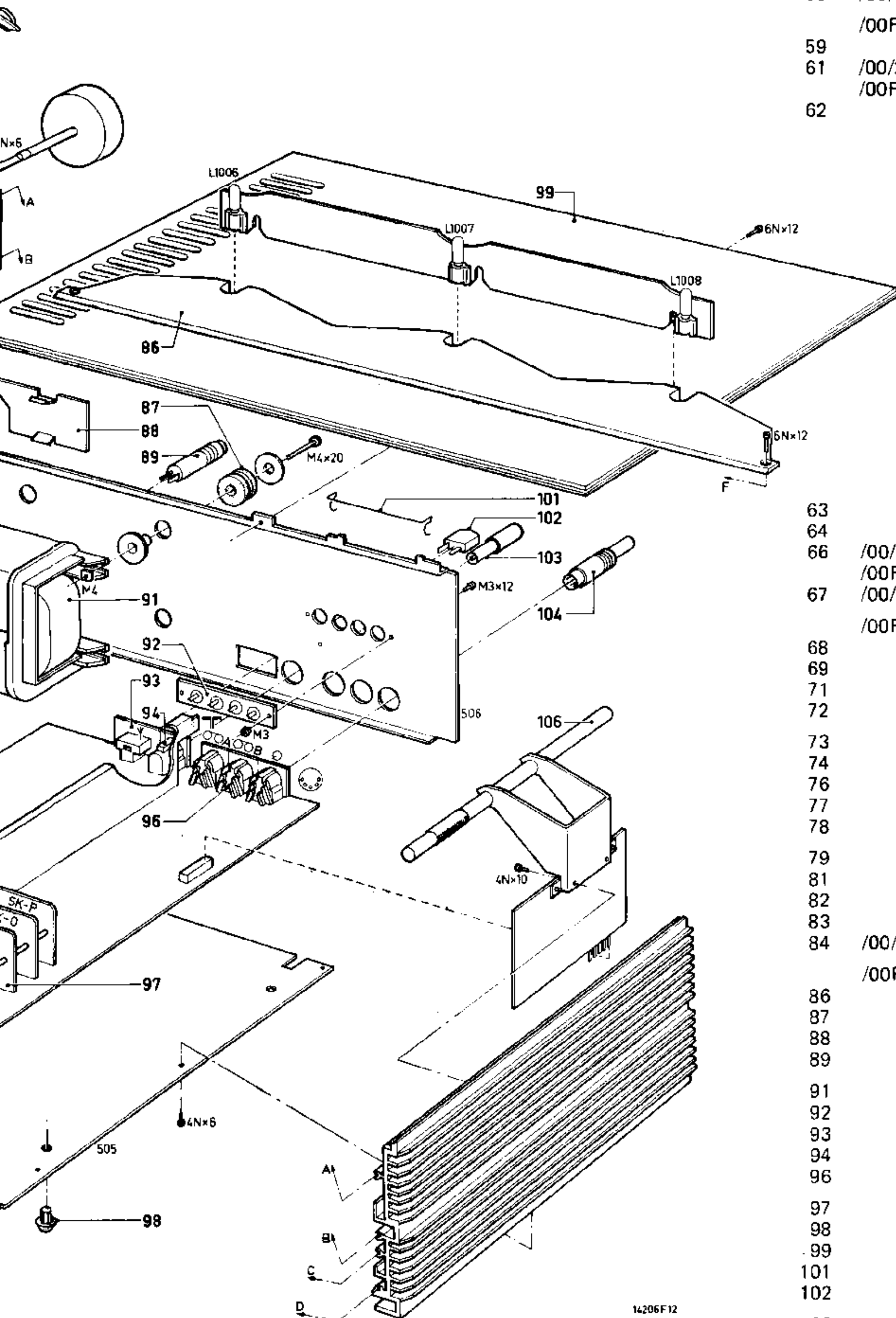
D 7703 - 04

7502	SK-F	7256	SK-G	7253	SK-H	7252	SK-J	7251	SK-K	7113	SK-L	7205	7206
55V	LOUDNESS	MONO	AFC	SILENT TUNING	INSTRUMENT SWITCH	MONITOR							
a=8.7V b=3.5V c=0.65V	a=1.8V b=2.45V c=7.0V	a=2.45V b=6.8V c=15.0V	a=6.5V b=15.0V	a=3.7-19.0V b=4.05-13.75V c=37V	a=1.75V b=1.95V c=9.4V	a=1.75V b=1.95V c=9.4V							

1/190 E 16







/15 = /00
/15R = /00R

14206F12

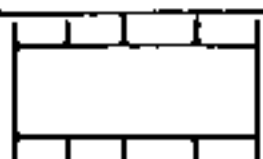
51		4822 267 20172
52	/00/22/29	4822 410 21985
	/00R/22R	4822 410 21986
53	/00/22/29	4822 413 40773
	/00R/22R	4822 413 40774
54	/00/22/29	4822 426 50262
	/00R/22R	4822 426 50264
56		4822 347 10194
57		4822 347 10193
58	/00/22/29	4822 466 70325
	/00R/22R	4822 466 70326
59		4822 426 60132
61	/00/22/29	4822 413 50966
	/00R/22R	4822 413 50967
62		5322 466 90433
63		4822 267 40201
64		4822 532 51057
66	/00/22/29	4822 410 21985
	/00R/22R	4822 410 21986
67	/00/22/29	4822 413 40773
	/00R/22R	4822 413 40774
68		4822 492 30958
69		4822 321 30165
71		4822 520 80583
72		4822 528 80703
73		4822 125 20207
74		4822 492 62123
76		4822 256 30139
77		4822 267 30264
78		4822 276 30244
79		4822 404 20253
81		4822 276 20202
82		4822 256 30139
83		4822 276 60148
84	/00/22/29	4822 426 50263
	/00R/22R	4822 426 50265
86		4822 466 70328
87		4822 462 40354
88		4822 426 50229
89		4822 264 30041
91		4822 146 70035
92		4822 267 40222
93		4822 267 20173
94		5322 263 20007
96		4822 267 40209
97		4822 273 80182
98		4822 462 40296
99		4822 426 40138
101		4822 492 62124
102		4822 264 30042
103		4822 266 20064
104		4822 264 40023
106		4822 158 60376



7101...7103	BF324	5322 130 44396
7104	BF240	4822 130 40902
7110	BC558	4822 130 40941
7113	BC547	4822 130 44257
7201	BC548B	4822 130 40937
7202	BF245B	4822 130 41024
7205...7207	BC548	4822 130 40938
7251...7256	BC548	4822 130 40938
7252	BC548B	4822 130 40937
7304	BD135	4822 130 40645
7401-7402	BC559	4822 130 40963
7403-7404	BC546	4822 130 41001
7405-7406	BC556	4822 130 40989
7501-7502	BC559	4822 130 40963
7503...7506	BC548B	4822 130 40937
7507-7508	BC558	4822 130 40941
7601...7604	BC557B	4822 130 44256
7605...7608	BC547	4822 130 44257
7611-7612	BC556A	5322 130 44462
7613-7614	BC548	4822 130 40938
7615-7616	BC546A	4822 130 41067
7617-7618	BD417	4822 130 41205
7619-7620	BD313	4822 130 41154
7621-7622	BD418	4822 130 41206
7623-7624	BD314	4822 130 41155
7625...7627	BC548	4822 130 40938
7628	BC558	4822 130 40941
7629	BC548	4822 130 40938
7630	BC337	4822 130 40855
7707-7708	BD139	4822 130 40823



7105-7108	BB110G	5322 130 34196
7106-7107	BB110B	4822 130 30932
7111-7112	BA317	4822 130 30847
7203	BA317	4822 130 30847
7254-7255	BA317	4822 130 30847
7301...7306	BA317	4822 130 30847
7302	BZV38	4822 130 30947
7609-7610	BZX79/C30	5322 130 34059
7631	BA317	4822 130 30847
7701-7702	BYX71	4822 130 30865
7703-7704	BYX71R	5322 130 34275
7705	BY206	4822 130 30839
7706	BZX79/C51	5322 130 34166
7709	BZX79/C43	5322 130 34329



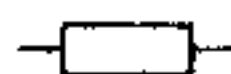
7109	TCA420A	4822 209 80278
7204	TDA1005	4822 209 80315
7303	TCA750	4822 209 80367
7901	HA1197	4822 209 80376



4101...4103	SFE10 7MA5	4822 242 70249
5101	Choke	4822 157 50835
5102	Aerial coil	4822 157 50896
5103	Choke	4822 157 50836
5104-5105	HF-prim-sec	4822 157 50837
5106	Osc. coil	4822 157 50895
5107	Choke	4822 158 10138
5111...5117	IF-coil	4822 156 30546
5201-5202	Coil	4822 156 10444
4901	Cer. filter 452 kHz	4822 156 70037
	460 kHz	4822 156 70038
5902	Coil 7BRS-30091Z	4822 156 30582
5903	Coil 7MNS-30118Z	4822 156 30583
5904	Coil RWR-41694N	4822 156 30623
5909	Coil 7MCS-1606XB	4822 156 10445



2001	Rifa cap. 4700 pF	4822 121 40298
2104...2114	Trimmer 10 pF	4822 125 50062
2201	Micropoco 10 nF - 63 V - 2 %	5322 121 54154
2203	Micropoco 560 nF - 250 V - 2 %	4822 121 50576
2205	Tantal 10 μF - 3 V	5322 124 14084
2219...2222	Micropoco 1800 pF - 63 V - 2 %	5322 121 54044
2223-2224	Micropoco 820 pF - 125 V - 2 %	5322 121 54072
2225-2226	Micropoco 2700 pF - 63 V - 2 %	5322 121 54065
2405-2406	Micropoco 13 nF - 63 V - 2 %	4822 121 50613
2407-2408	Micropoco 4300 pF - 63 V - 2 %	5322 121 54062
2705-2706	Electrolytic 10.000 μF - 40 V	5322 124 74098
2903	Trimmer 22 pF	4822 125 50045
2904	Micropoco 2700 pF - 63 V - 2 %	5322 121 54065
2910	Trimmer 22 pF	4822 125 50045
2911	Styrol 285 pF-63 V-1 %	4822 121 50636
2912	Micropoco 2 nF - 63 V - 2 %	4822 121 50414



3138	Trimptom. 4.7 kΩ	4822 100 10036
3139	Trimptom. 2.2 kΩ	4822 100 10029
3142	Trimptom. 47 kΩ	4822 100 10079
3145	Trimptom. 100 kΩ	4822 100 10052
3207	Trimptom. 4.7 kΩ	4822 100 10036
3211	Trimptom. 470 kΩ	4822 100 10107
3214	Trimptom. 2.2 kΩ	4822 100 10029
3259-3306	Trimptom. 10 kΩ	4822 100 10035
3301...3305	Multipotm. 100 kΩ spec.	4822 101 90084
3307	Trimptom. 2.2 kΩ	4822 100 10029
3310	Trimptom. 22 kΩ	4822 100 10051
3311	Trimptom. 1 MΩ	4822 100 10089
3312	Trimptom. 4.7 kΩ	4822 100 10036
3327	Trimptom. 2.2 kΩ	4822 100 10029
3329	Res. MR25 1.2 kΩ-1%	5322 116 54557
3403-3404	Res. MR25 56 kΩ-1%	5322 116 54676
3413-3414	Res. MR25 261 kΩ-1%	5322 116 54736
3415-3416	Res. MR25 18.7kΩ-1%	5322 116 50558
3505	Volume potm. 80+20kΩ	4822 102 30266
3519	Balance potm. 2x22 kΩ spec.	4822 102 30267
3527	Bass potm. 2x50 kΩ	4822 102 30268
3529	Treble potm. 2x50 kΩ	
3607-3608	Trimptom. 100 kΩ	4822 100 10075
3619-3620	Trimptom. 47 kΩ	4822 100 10079
3631-3632	Trimptom. 1 kΩ	4822 100 10037
3641...3644	Wirewound.res. 0.24 Ω - 5 W	4822 112 20091
3902	VDR	4822 116 20073
3903	Trimptom. 2.2 kΩ	4822 100 10029

-Miscellaneous-

5001	Mains transformer	4822 146 70035
5001/29	Mains transformer	4822 146 70037
1001...1004	Fuse 3.15 AT	4822 253 30027
1005	Fuse 200 mA	4822 253 30012
1009	Fuse 315 mA	4822 253 20012
1010/29	Fuse 1.6 AT	4822 253 30024
5901	Ferroceptor	4822 158 60376

Service mededeling

PHILIPS NEDERLAND B.V. - EINDHOVEN
TECHNISCHE SERVICE

Ref. Audio 104PH

Type 22AH777

Datum februari 1979

U gelieve de servicedocumentatie op onderstaande punten te wijzigen:

Pagina 10

De merktekens voor "bass" () en "treble" () moeten worden verwisseld.

Pagina 11

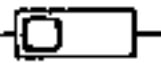
Het AM-printspoor is gewijzigd omdat C2922-100nF  , wordt toegevoegd, zie figuur 1. A20 wordt nu B20 (2x).

Pagina 12

Wijzigen:

R3309 in 12 kOhm 

R3312 in 4,7 kOhm, bestelnummer 4822 100 10036

R3321 in 3,3 kOhm 

C2906 in 18nF, 4822 121 40314

C2910 in 22pF, 4822 125 50045

Pagina 13

Wijzigen:

R3904 in 1 kOhm 

R3908 in 100 Ohm 

Toegevoegd:

C2922, 100nF  . Een zijde is verbonden met R3908 en C2921, de andere zijde naar de AM aansluiting.

R3003, 39 Ohm  . Een zijde is verbonden met C2920, de andere zijde met het +7 voedingspunt.



PHILIPS

Pagina 14

Wijzigen:

R3208 in 16,5 kOhm, 5322 116 54634

R3215 in 2 kOhm, -

C2001 in 4,7nF, 4822 121 40289

Pagina 15

De merktekens voor "bass" () en "treble" () moeten worden verwisseld.

Pagina 19

Gewijzigd:

TS7403, 7404 in BC546A, 4822 130 41067

TS7405, 7406, in BC 556A, 5322 130 44462

C2503 in 220nF 

R3503 in 2,2 kOhm -

C2504 in 220nF 

R3504 in 2,2 kOhm -

C2002 is vervallen

Pagina 20

Wijzigen:

R3633 en R3634 in 1 kOhm -

C2617 in 330μF od

De emitterweerstand van TS7615 heeft nummer R3635

Pagina 21

De merktekens voor "bass" () en "treble" () moeten worden verwisseld.

Pagina 26

Wijzigen:

Pos. 51 in 4822 264 30011

Pos. 63 in 4822 267 20172

Pos. 71 in 4822 450 80583

Pos. 91 heeft in apparaten met uitvoering 00/00R/22/22R het bestelnummer:

4822 146 70035

Voor de uitvoering 29/15/15R moet bestelnummer 4822 146 70037 worden toegevoegd.

Behoort bij mededeling Audio 104 PH.

Pagina 27

In de stuklijst wijzigen/toevoegen:

TS7403-7404 in BC546A, 4822 130 41067

TS7405-7406 in BC556A, 5322 130 44462

TS7601....7604 in BC557B, 4822 130 44568

TS7605....7608, 7629 in BC547B, 4822 130 40959

D7609-7610 in BZX79/C36, 5322 130 34098

Instelpotentiometer 3307 in 4,7 kOhm, 4822 100 10030

Treblepotentiometer in 3527 , 4822 102 30281

Basspotentiometer in 3529

Instelpotentiometer 3607-3608 in 220 Ohm, 4822 100 10019

Instelpotentiometer 3619-3620 is vervallen

C2906, flat cap. 18nF, 4822 121 40314

R3208,MR25-16,5 kOhm, 5322 116 54634

Voor 22AH777/15/15R/29

De aansluitingen voor transformator met bestelnummer

4822 146 70037 zijn in fig. 2 aangegeven.

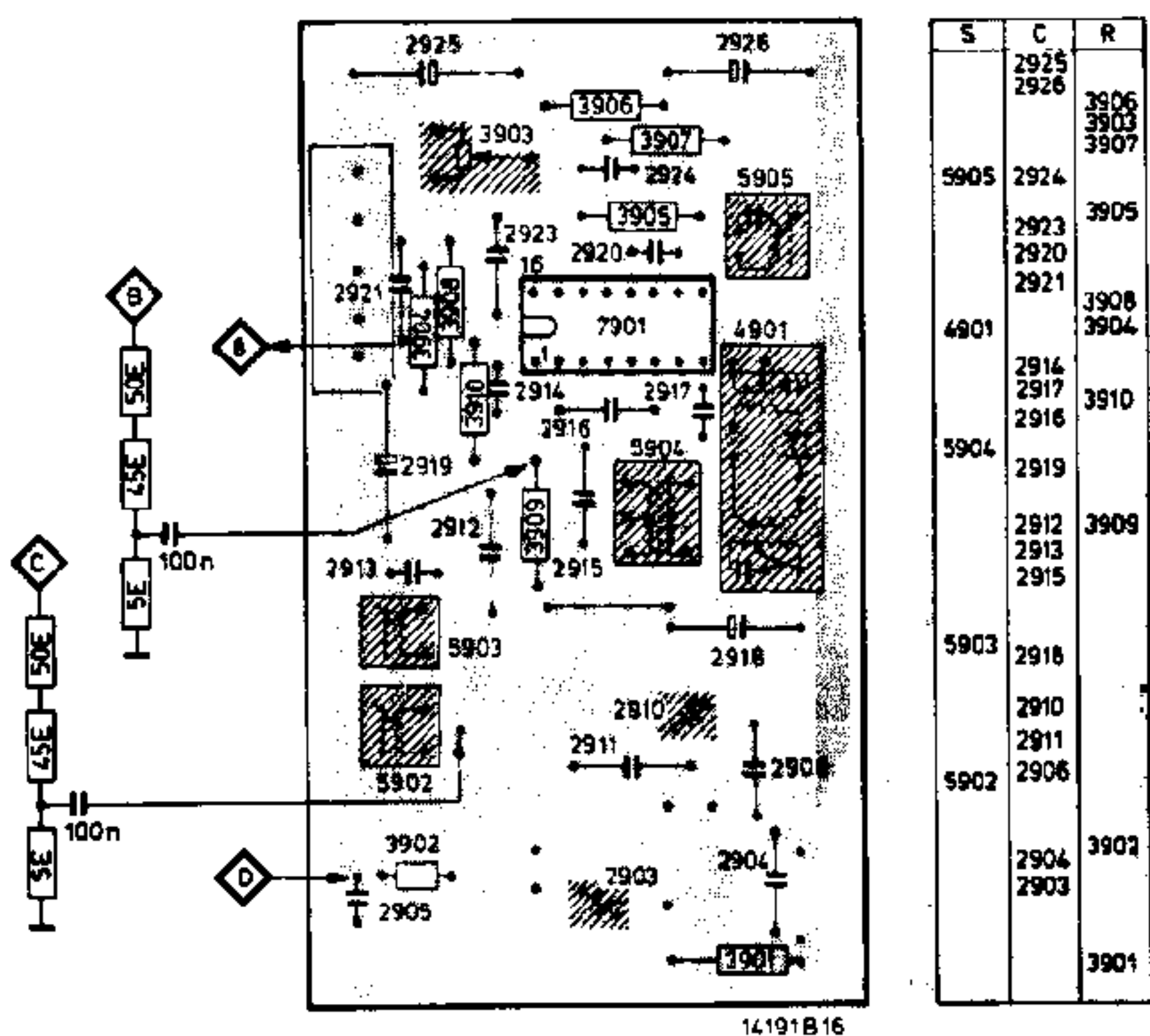


Fig. 1

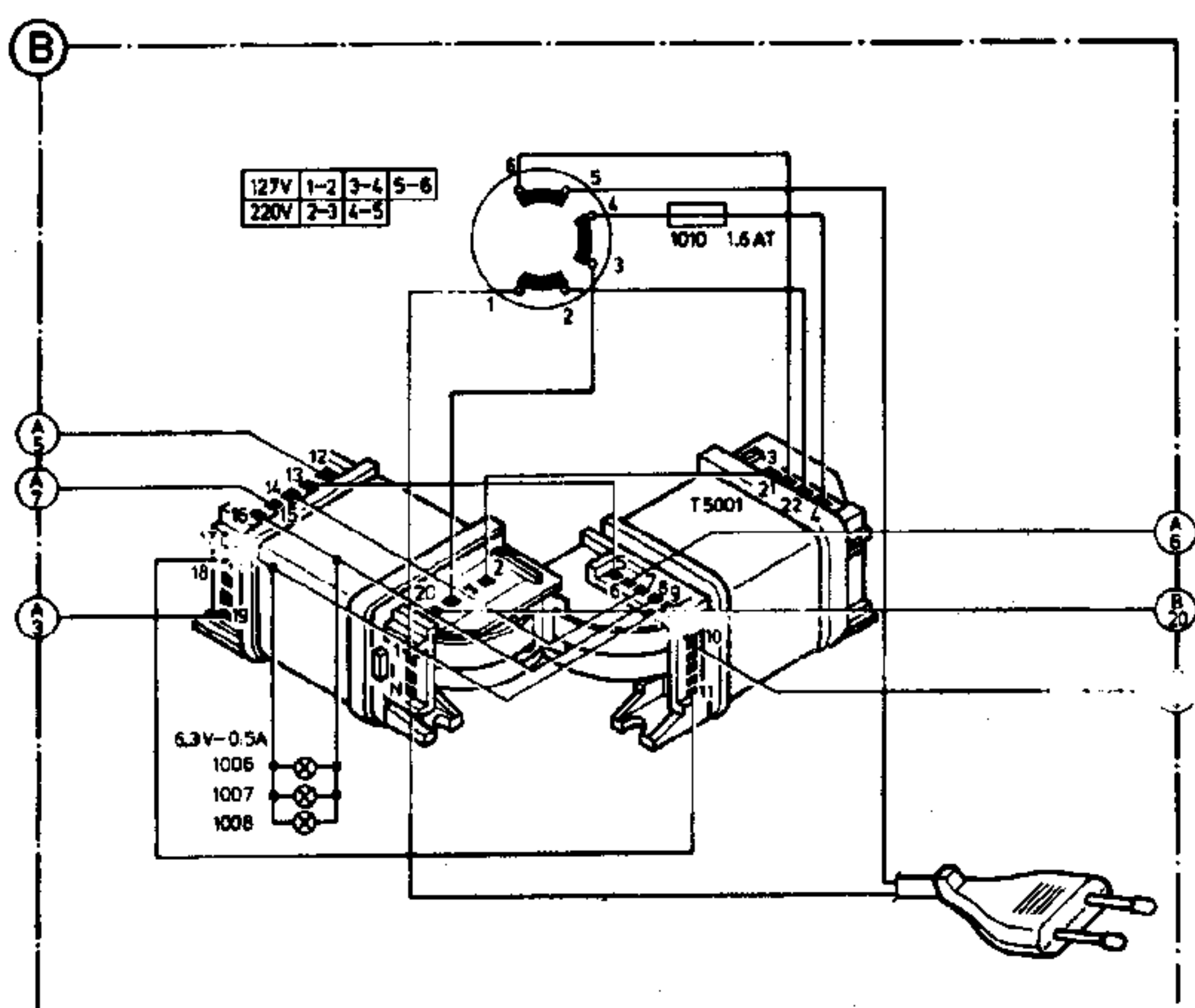
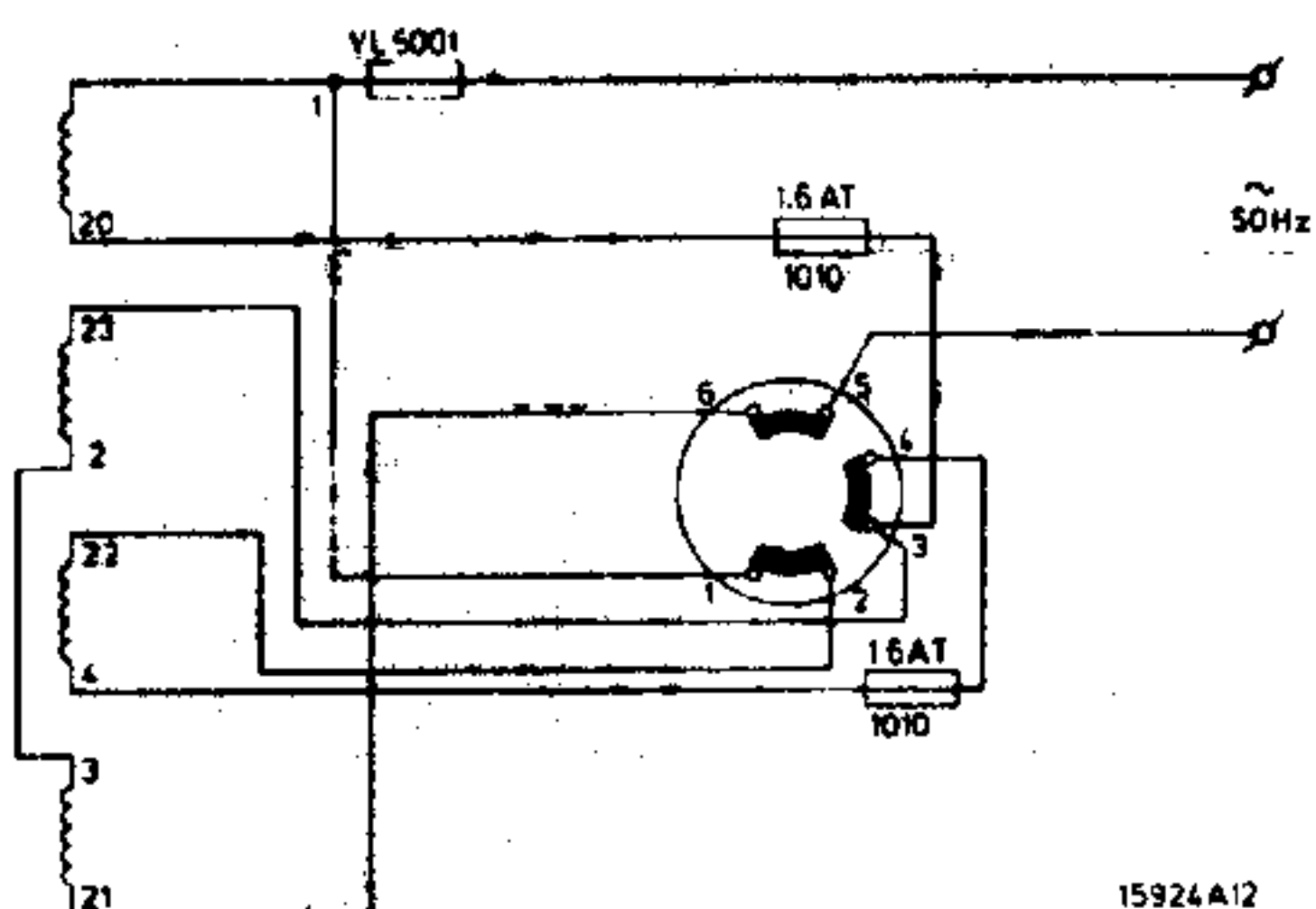


Fig. 2