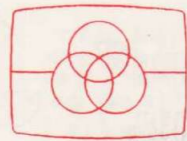


## TAPC-Stack F 1520/30

Service  
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Service



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30 740A

Voor reparatie-aanwijzingen van het cassettemechanisme  
zie Service Manual: "Recorders Tape Deck RS-7"

Voor reparatie-aanwijzingen van de platenspeler zie  
Service Manual: F7006/00.

# Service Manual

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

PHILIPS

Subject to modification

4822 725 15251

Printed in The Netherlands

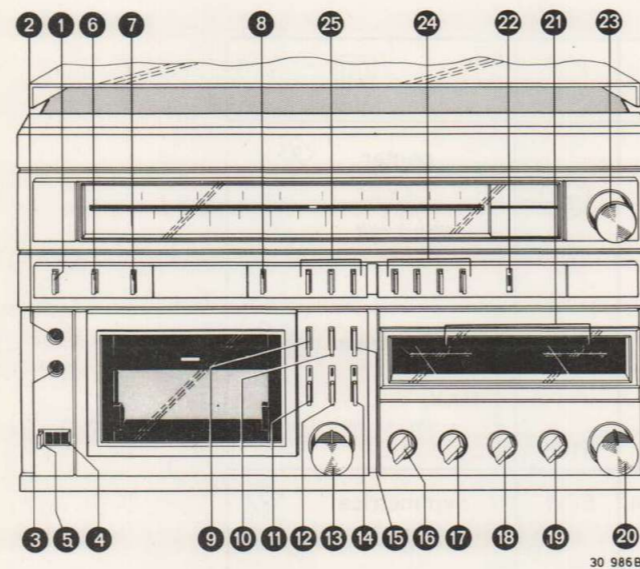


Fig. 1

2

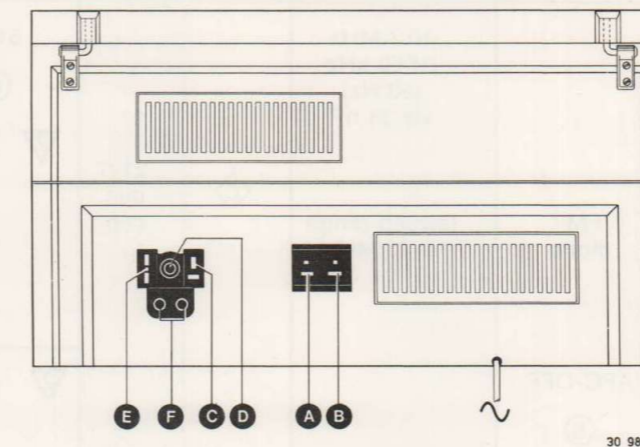


Fig. 2

## Bedieningsorganen, aansluitingen, etc.

### Fig. 1

- 1 netschakelaar
- 2 aansluitbus voor monomicrofoon
- 3 aansluitbus voor stereo hoofdtelefoon
- 4 telwerk
- 5 nulstelknop
- 6 uitwerptoets
- 7 RIF schakelaar
- 8 DOLBY-NR schakelaar  
Het woord DOLBY en het 'dubbel-D' symbool zijn het handelsmerk voor Dolby Laboratories
- 9 snelspoel- of cуетoets
- 10 stoptoets
- 11 opneemtoets met indicator
- 12 speel/starttoets met indicator
- 13 regelaar voor opneemniveau
- 14 pauzetoets met indicator
- 15 snel terugspoel- of reviewtoets
- 16 functiekeuzeschakelaar: 'PHONO', 'CASS', 'TUNER'

- 17 lagetonenregelaar
- 18 hogetonenregelaar
- 19 balansregelaar
- 20 geluidssterkteregelaar
- 21 opneemniveau/uitgangsvermogenindicator voor rechter- en linker kanaal
- 22 FM stereo indicator
- 23 afstemknop
- 24 Keuzeschakelaars voor langegolf, middengolf, FM/mono-stereo
- 25 bandsoortkeuzeschakelaars voor ferro-, chroom- en metalband

### Fig. 2

- A aansluitbus voor rechterluidspreker
- B aansluitbus voor linkerluidspreker
- C aansluitbussen voor AM antenne en aarde
- D aansluitbus voor FM antenne, 75 Ω
- E aansluitbus voor FM antenne, 300 Ω
- F ingangsbussen voor ext. recorder/aux. bron, links 'L' en rechts 'R'

## SPECIFICATIES

Voedingsspanningen	: 110,127,220,240 V AC
Opgenomen vermogen	: 55 W
Afmetingen	: 420x418x239 mm
Golfbereiken	FM : 87.5- 108 MHz MW : 520-1605 kHz LW : 150- 260 kHz
Gevoeligheid	FM : Mono 26 dB S/N: 3 μV bij 75 kHz mod. diepte Stereo 46 dB S/N: 45 μV bij 75 kHz mod. diepte
Ingangsimpedantie	AM : voor 26 dB S/N 150 μV EMF FM : 75/300 Ω balanced AM : 300 Ω
Uitgangsvermogen (8 Ω)	: 2x10 W D ≤ 1%
Ingangssignaal voor Microfoon	: 1.2 mV bij 20 kΩ
Uitgangsimpedantie hoofdtelefoon	: ≥ 4 Ω : 8-1000 Ω

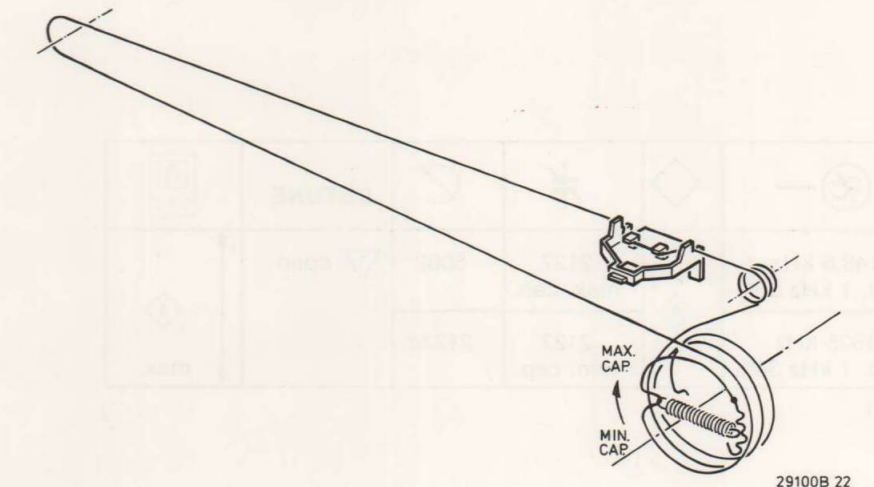
3

## RECORDER

Snelheid	: 4.75 cm/sec
Wow en flutter	: ≤ 0.3%
S/N ratio (DIN) voor ferro tape	: ≥ 44 dB
Voor CrO <sub>2</sub> tape	: ≥ 46 dB
Voor metal tape	: ≥ 46 dB
Frequentie bereik	: 40 Hz-12.5 kHz

## RECORD PLAYER

Snelheid	: 33 1/3/45 t.p.m. +4%, -2%
Wow en flutter	: ≤ 2.5%
Rumble	: ≤ 30 dB (DIN A) : ≤ 52 dB (DIN B)
P.U. element	: GP500 II



**AFREGELING**

**Afregeling algemeen**

- Bij de afregeling moeten de geïnjecteerde signalen zo klein mogelijk zijn.
- De MF-afregeling gebeurt met een gewobbeld signaal. Voor FM is dit 10,7 MHz met een zwaai van 60 kHz in een frequentie van 50 Hz.
- Voor AM is dit 450 kHz met een zwaai van 7 kHz met een wobbelfrequentie van 50 Hz.

**Gebruikte meetapparaten**

- HF generator
- Oscilloscoop
- Frequentieteller

**AM-IF**

SK-A				DETUNE		
MW	450 kHz Δf 7 kHz (50 Hz) via 10 nF  (sweep range 400-500 kHz)		2127 max. cap.			

De top van de doorlaatkromme, door verschuiven van de wobbelfrequentie, in het midden van het scherm plaatsen.

**AM-osc.**

SK-A					DETUNE		
LW	148.5 kHz mod. 1 kHz 30%		2127 max. cap.	5002			
MW	1625 kHz mod. 1 kHz 30%		2127 min. cap.	2127c			

**AM-RF**

SK-A					DETUNE		
MW	550 kHz mod. 1 kHz 30%				TUNE IN	5000A	
	TUNE IN				2127G		
LW	185 kHz mod. 1 kHz 30%				TUNE IN	5000B	

**FM-IF**

SK-A				DETUNE		
FM-mono  AFC-OFF	10.7 MHz Δf 60 kHz (50 Hz) via 33 nF  (sweep range 10-11 MHz)		2127 min. cap.	5111		

Diode 7013 kortsluiten.

5111 ontstemmen, draai de kern uit de spoel en wel zover dat deze gelijk is met de bovenste rand van de spoel.

De top van de doorlaatkromme, door verschuiven van de wobbelfrequentie, in het midden van het scherm plaatsen.

**FM-RF**

SK-A				DETUNE		
FM-MONO	87.5 MHz mod. 1 kHz		2127 max. cap.	AFC-OFF	5107	
	107.5 MHz mod. 1 kHz			open	2127B	
	98 MHz mod. 1 kHz			TUNE IN	5105	
	87.2-87.6 MHz 107.5-108.5 MHz			Max. cap. Min. cap.	AFC-ON	

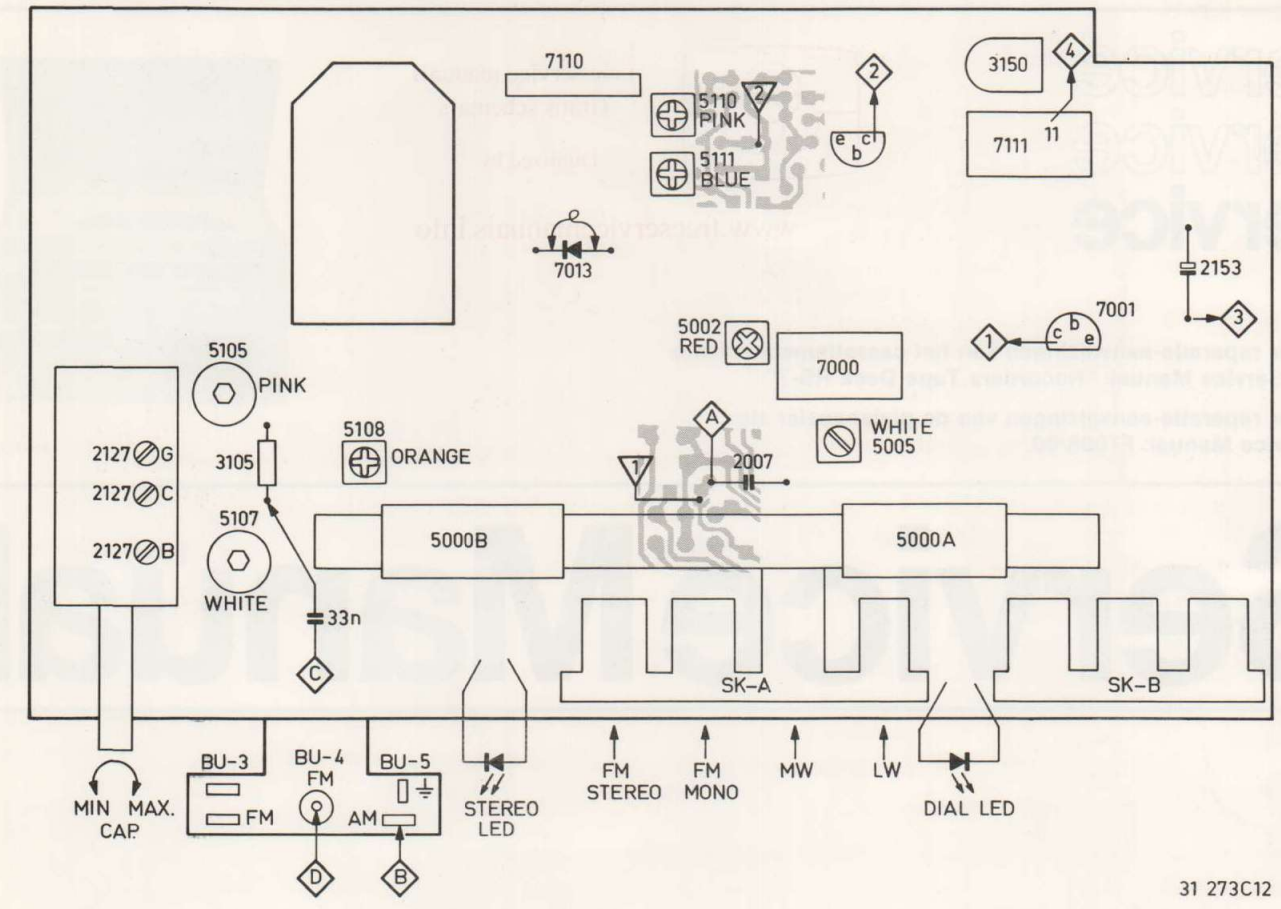
Diode 7013 kortsluiten.

**Stereodecoder**

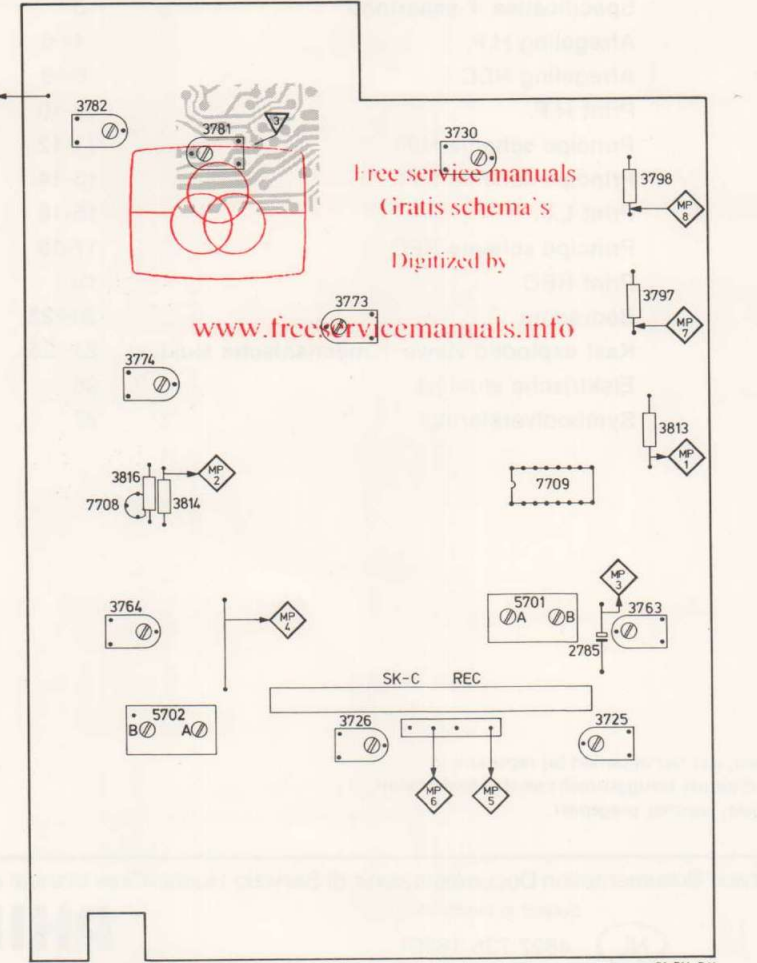
SK-A				DETUNE		COUNTER
FM-STEREO	No signal				3150	

Afstemmen op een "dood" punt in de band

**R.F.—Alignment—plan**



**REC—Alignment—plan**



Adjustment	Cassette	Recorder in position	Apply signal to	Measure on	Read on	Adjust with	Adjust to
Playback speed	SBC126Cr 3150 Hz	PLAY	—	MP1 (MP2)	Wow-and-flutter meter (Filter on)	R-motor	*a
Azimuth R/P head K1-K101	SBC126Cr 10 kHz	PLAY	—	MP1 (MP2)	mV-meter	*b Left hand screw of K1-K101	Max. output
Playback sensitivity	SBC126Cr 315 Hz-0 dB	PLAY	—	MP3 (MP4)	mV-meter	R3725 (R3726)	650 mV
Playback frequency response	SBC126Cr 40 Hz; 250 Hz; 6.3 kHz; 12.5 kHz	PLAY	—	MP1 (MP2)	mV-meter	—	See graph Fig. 3 frequency response
Recording sensitivity + indicators	SBC126Cr side 2 *c	REC	315 Hz, to MP7 (MP8)	MP1 (MP2)	mV-meter mV-meter	LF-Generator (R3730)	580 mV (580 mV)
				—	Ind L Ind R	R3763 (R3764)	+3 dB
				Bias off (soldering bridge 3 open)			
				MP5 (MP6)	mV-meter	R3773 (R3774)	2.3 mV
				Bias on ( 3 closed). Make a recording and play it back			
		PLAY	—	MP1 (MP2)	mV-meter	—	580 mV *d
BIAS	SBC126Cr side 2 *c	REC + PLAY	—	MP5 (MP6)	mV-meter	R3781 (R3782)	15 mV (target value)
			315 Hz, to MP7 (MP8)	MP1 (MP2)	mV-meter	LF-generator	58 mV
			40 Hz-6.3 kHz 10 kHz-12 kHz 13 kHz-14 kHz 15 kHz, to MP7 (MP8)	Record a number of frequencies (with the same input voltage) and play them back			
		PLAY	—	MP1 (MP2)	mV-meter	—	See graph Fig. 4 if necessary repeat BIAS adjustment *e
F-osc.	Any cassette	REC	—	MP9	Frequency counter	L5700	84 kHz
19/85 kHz suppression	Any cassette	REC	315 Hz, to MP7 (MP8)	MP1 (MP2)	mV-meter	LF generator	775 mV = (0 dB)
			19 kHz, to MP7 (MP8) (same input voltage)	MP1 (MP2)	mV-meter	L5701A (L5702A) 19 kHz part	≤25 mV (≤-30 dB)
			f-osc. to MP7 (MP8) (same input voltage)	MP1 (MP2)	mV-meter	L5701B (L5702B) 84 kHz part	Min output ≤4.35 mV

ELEKTRISCHE METINGEN EN INSTELLINGEN

Algemeen

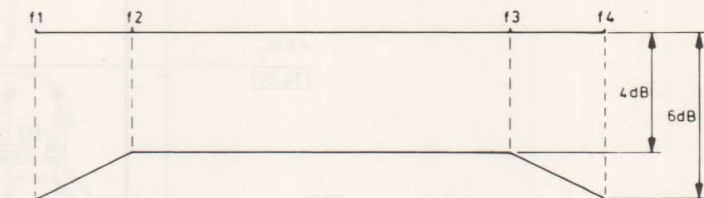
- Dolby en Rif uitgeschakeld.
- Tape selector SK-B: stand CrO<sub>2</sub>
- Manual recording: R3819 max.
- De spanningen zijn gemeten t.o.v. aarde.
- Bij de metingen en instellingen is uitgegaan van metingen aan het linker kanaal.
- De overeenkomende aansluitpunten en afregelorganen voor het rechter kanaal zijn tussen () haakjes vermeld.
- Voor alle metingen of instellingen met lopende band dienen de koppen en bandgeleiders gedemagnetiseerd en gereinigd te worden.

Benodigde meetinstrumenten en testcassettes

- LF generator
- AC millivoltmeter (mV-meter)
- Wow en flutter meter
- Universele testcassettes SBC126Cr-4822 397 30038
- Frequentie teller

Opmerkingen:

- \*a Max. toelaatbare snelheidsafwijking ± 3%. Tevens kan bij deze meting de jengelwaarde worden afgelezen. Deze waarde mag max. 0,3% bedragen.
- \*b Zie ook Service Manual: Recorders tape deck RS-7. Instellingen van de koppen.
- \*c Bij minder hoge nauwkeurigheid kan ook een chromiumcassette van goede kwaliteit worden gebruikt.
- \*d Indien de uitgangsspanning op MP1 (MP2) geen 580 mV ± 0,3 dB is, regel dan met R3773 (R3774) het LF signaal (voormagnetisatie uitgeschakeld) zoveel dB lager of hoger als de meteruitslag te hoog of te laag is.
- \*e Bij het instellen van het ene kanaal kan het andere iets worden beïnvloed. Bij een goede instelling zal de frequentiearakteristiek als in Fig. 5 curve b verlopen, vervorming ≤ 3%.



	f1	f2	f3	f4
Metal	40 Hz	250 Hz	8 kHz	12,5 kHz
Cr	40 Hz	250 Hz	8 kHz	12,5 kHz
Normal	40 Hz	250 Hz	8 kHz	10 kHz

Fig. 4

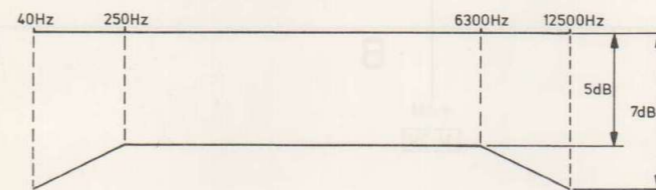


Fig. 3

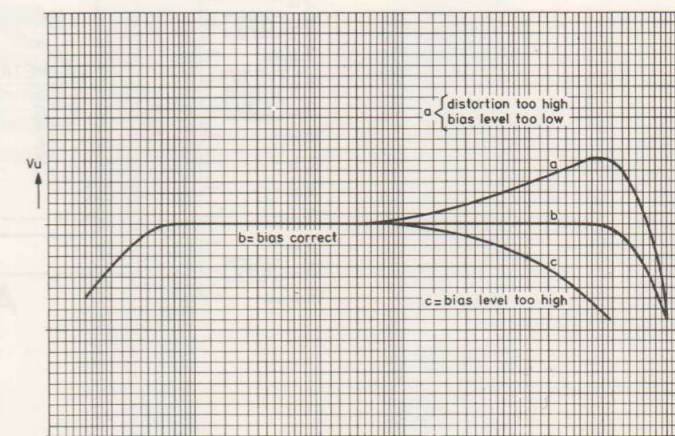
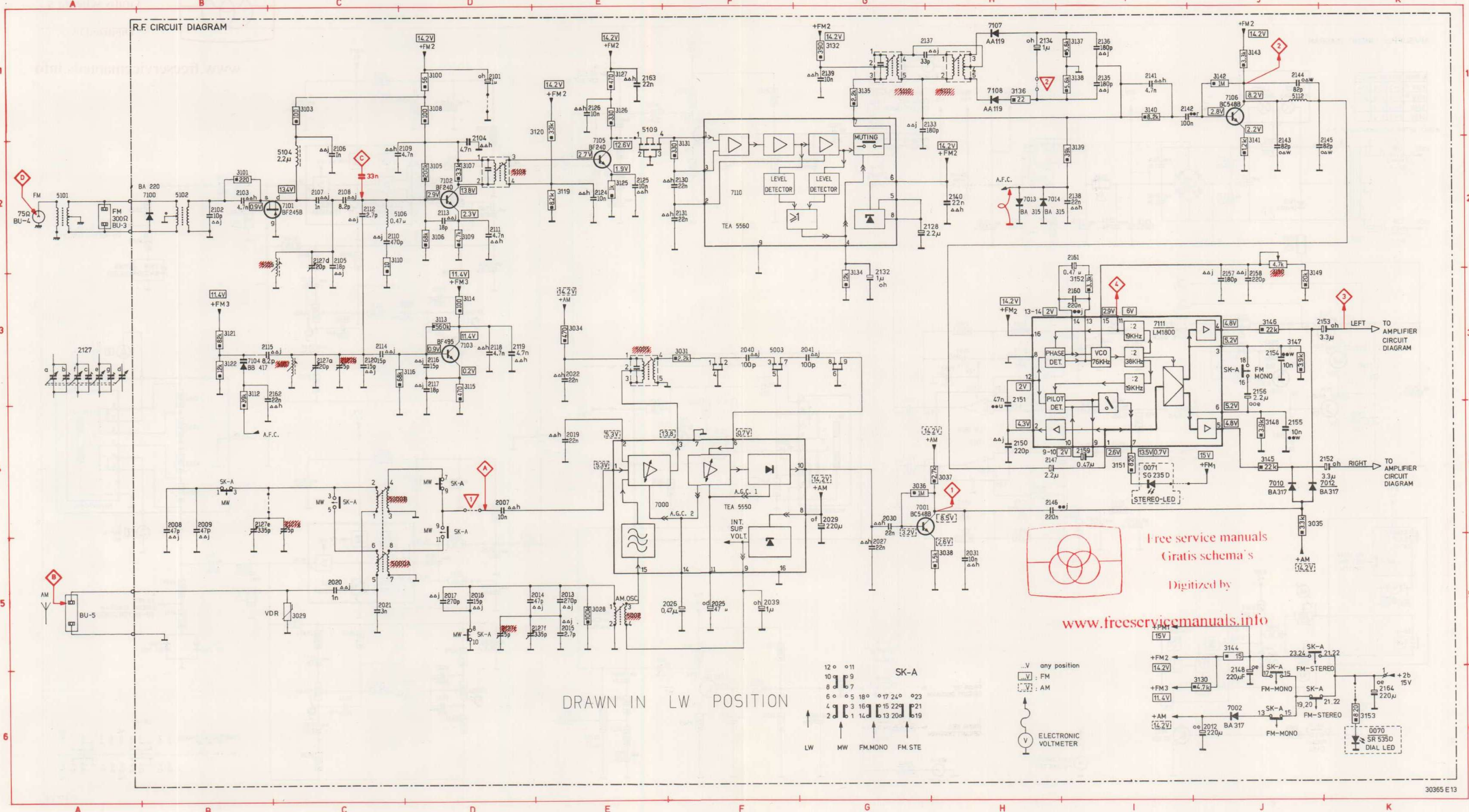


Fig. 5



ITEM	CD	PCB	A		B		C		D		E		F		G		H		I		J		K												
0070	K06	2012	J06	C02	2017	D05	B03	2025	F05	B02	2031	H05	B02	2102	B02	E02	2107	C02	E02	2112	C02	D02	2117	D03	D03	2125	E02	D03	2127D	C02	E02	2130	F02	C01	
0071	I04	2013	E05	C02	2019	E04	C02	2026	F05	C02	2039	F05	B02	2103	B02	E02	2108	C02	D02	2113	D02	D03	2118	D03	D03	2126	E01	D03	2127E	B04	E02	2131	F02	C01	
2007	D04	C02	2014	E05	C02	2020	C05	C02	2027	G05	B02	2040	F03	B02	2104	D02	D02	2109	D02	D02	2114	C03	D03	2119	D03	D03	2127A	C03	E03	2127F	E05	E02	2132	G03	C01
2008	B04	C02	2015	E05	C02	2021	C05	C02	2029	G04	B02	2041	G03	B02	2105	C02	D02	2110	C02	D03	2115	B03	D03	2120	C03	D03	2127B	C03	E03	2127G	C04	E02	2133	H01	C01
2009	B04	C02	2016	D05	B02	2022	E03	B03	2030	G04	B02	2101	D01	D02	2106	C02	E02	2111	D02	D02	2116	D03	D03	2124	E02	D02	2127C	D05	E03	2128	H02	C01	2134	H01	C01
2135	I01	C01	2140	H02	C01	2145	K02	B01	2151	H03	B01	2156	J03	B02	2161	I02	A01	3029	C05	C02	3037	H04	B02	3105	D02	D02	3110	C02	D02	3116	D03	D03	3125	E02	D03
2136	I01	C01	2141	I01	B01	2146	H04	A02	2152	J04	A02	2157	J03	B01	2162	C03	D03	3031	F03	B03	3038	H05	B02	3106	D02	D02	3112	B03	D03	3119	E02	D02	3126	E01	D02
2137	G01	C01	2142	I01	B01	2147	H04	B01	2153	J03	A02	2158	J03	B01	2163	E01	D02	3034	E03	B02	3100	D01	D02	3107	D02	D02	3113	D03	D03	3120	E01	D02	3127	E01	C02
2138	I02	C02	2143	J02	B02	2148	J06	B02	2154	J03	B01	2159	I04	A01	2164	K06	A02	3035	J04	A02	3101	B02	E02	3108	D01	D02	3114	D03	D03	3121	B03	D03	3130	J06	D03
2139	G01	C01	2144	J01	B01	2150	H04	B01	2155	J04	B02	2160	I03	A01	3028	E05	C02	3036	G04	B02	3103	C01	D02	3109	D02	D02	3115	D03	D03	3122	B03	D03	3131	F02	C01
3132	G01	C01	3138	I01	C01	3143	J01	B01	3148	J04	B02	3153	K06	B03	5101	A02	5107	C03	E03	5112	J01	B01	7010	J04	A02	7101	C02	E02	7106	J01	B01				
3134	G03	C01	3139	I02	C02	3144	J05	A02	3149	J03	B01	5000	C04	C02	5102	B02	E02	5108	D02	D02	7000	E04	B02	7012	J04	A02	7102	D02	D02	7107	H01	C01			
3135	G01	C01	3140	I01	B01	3145	J04	B02	3150	J03	B01	5002	E05	C02	5104	C02	E02	5109	E01	D01	7001	G04	B02	7013	H02	C02	7103	D03	D03	7108	H01	C01			
3136	H01	C01	3141	J02	B01	3146	J03	B02	3151	I04	B02	5003	F03	B02	5105	C02	D02	5110	G01	C01	7002	J06	C02	7014	H02	C02	7104	B03	D03	7110	F02	D01			
3137	I01	C01	3142	J01	B01	3147	J03	B02	3152	I03	A01	5005	E03	B02	5106	C02	D02	5111	H01	C01	7005				B03	7100	B02	E02	7105	E02	D02	7111	I03	B01	

R.F. CIRCUIT DIAGRAM



DRAWN IN LW POSITION

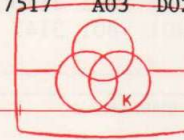
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...V any position  
 FM  
 AM

ELECTRONIC VOLTMETER

ITEM CD PCB

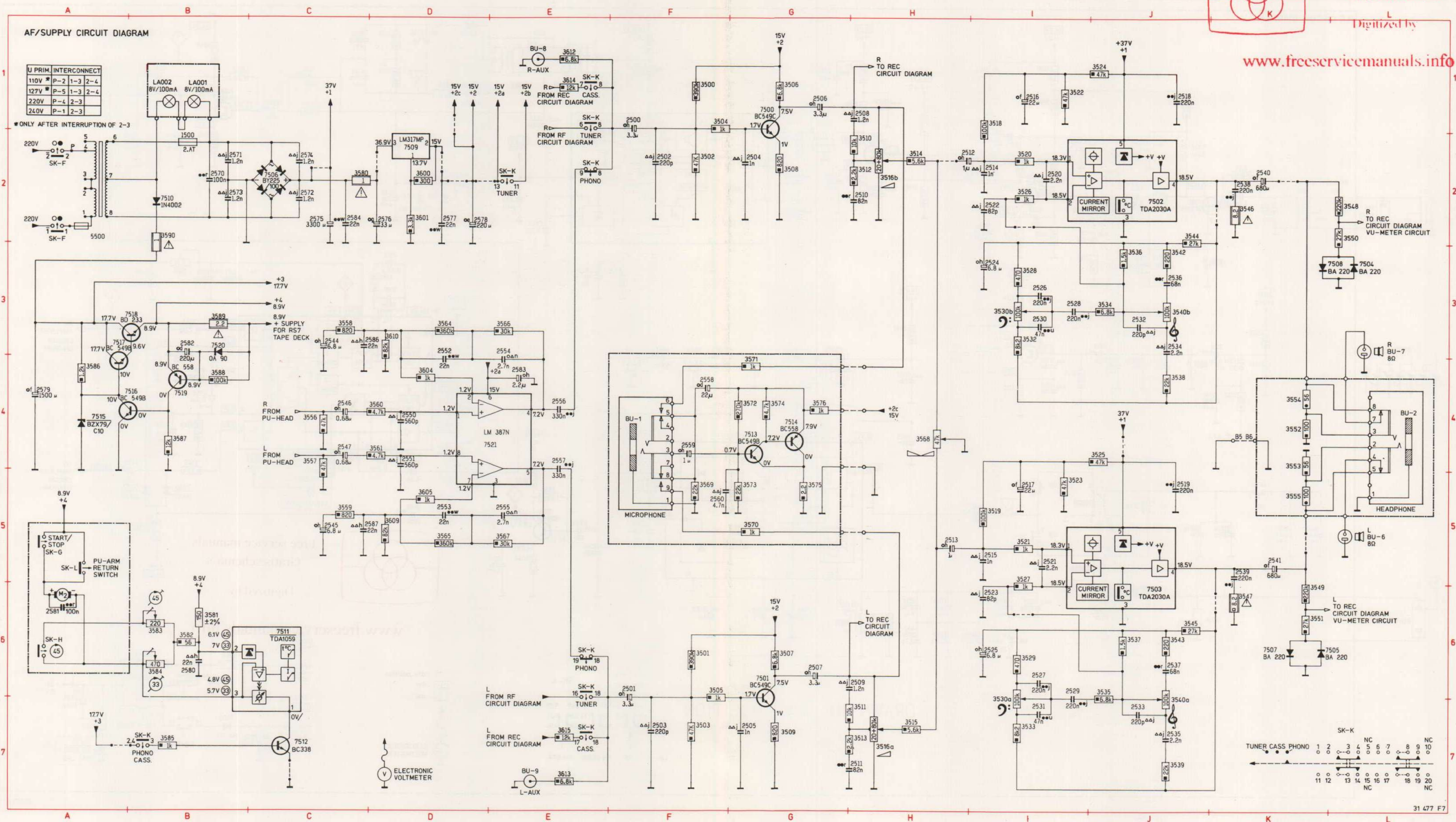
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2500	F01	C03	2505	G07	C03	2510	H02	A03	2515	I05	B02	2520	I02	C01	2525	I06	B03	2530	I03	C04	2535	J07	B03	2540	K02	B01	2547	C04	D02	2554	E03	C03	2559	F04	E03	2573	C02	C02
2501	F06	C03	2506	G01	B03	2511	H07	A03	2516	I01	B01	2521	I05	B01	2526	I03	C04	2531	I07	C04	2536	J03	B04	2541	K05	A02	2550	D04	D03	2555	E05	C03	2560	F05	E02	2574	C02	C02
2502	F02	B03	2507	G06	B03	2512	H02	C02	2517	I05	A01	2522	I02	C02	2527	I06	C04	2532	J03	B03	2537	J06	B04	2544	C03	D02	2551	D04	C02	2556	E04	D03	2570	B02	D01	2575	C02	B02
2503	F07	B03	2508	H01	A03	2513	H05	A02	2518	J01	B01	2523	I06	B02	2528	I03	C03	2533	J07	B03	2538	K02	C01	2545	C05	C02	2552	D03	D03	2557	E04	C03	2571	B02	C02	2576	D02	C02
2577	D02	D01	2582	B03	D02	3500	F01	B03	3505	F06	C03	3510	H02	A03	3515	H07	A03	3520	I02	C01	3525	J04	B01	3530A	I06	C04	3535	J06	B03	3540A	J07	B04	3545	J06	B02	3550	L02	A02
2578	D02	C03	2583	E04	C03	3501	F06	C03	3506	G01	B03	3511	H07	A03	3516A	H07	A04	3521	I05	B01	3526	I02	C01	3530B	I03	C04	3536	J03	B03	3540B	J03	B04	3546	K02	C01	3551	K06	A02
2579	A04	D01	2584	C02	C02	3502	F02	B02	3507	G06	C03	3512	H02	A03	3516B	H02	A04	3522	I01	C01	3527	I05	B01	3532	I03	C03	3537	J06	B03	3542	J03	B03	3547	K06	A02	3552	K04	E03
2580	B06	D02	2586	C03	D02	3503	F07	C03	3508	G02	B03	3513	H07	A03	3518	I01	C02	3523	I05	B01	3528	I03	C03	3533	I07	B02	3538	J04	C03	3543	J06	B03	3548	L02	A02	3553	K04	E03
2581	A06		2587	C05	C03	3504	F01	B03	3509	G07	C02	3514	H02	A03	3519	I05	B02	3524	J01	C01	3529	I06	C03	3534	J03	B03	3539	J07	B02	3544	J02	C03	3549	K06	A02	3554	K04	E03
3555	K05	E03	3560	D04	D02	3567	E05	C03	3572	G04	E03	3580	C02	C02	3585	B07	D02	3590	B02	D01	3609	D05	C03	3615	E07	D03	7503	J06	B01	7508	L03	A02	7513	G04	E03	7518	B03	D02
3556	C04	D02	3561	D04	C02	3568	H04	B04	3573	G05	E03	3581	B06	D01	3586	A04	D02	3600	D02	D01	3610	D03	D02	5500	A02		7504	L03	A02	7509	D02	D01	7514	G04	E03	7519	B04	D02
3557	C04	D02	3564	D03	D03	3569	F05	E03	3574	G04	E03	3582	B06	D02	3587	B04	D02	3601	D02	D01	3612	E01	C04	7500	G01	B03	7505	K06	B02	7510	B02	D01	7515	A04	D02	7520	B03	E02
3558	C03	D02	3565	D05	C03	3570	G05	E04	3575	G05	E03	3583	B06	D02	3588	B04	D02	3604	D04	D03	3613	E07	C04	7501	G06	B02	7506	C02	C02	7511	C06	D01	7516	B04	D02	7521	D04	C03
3559	C05	C02	3566	E03	D03	3571	G04	E04	3576	G04	E03	3584	B06	E01	3589	B03	D02	3605	D05	C03	3614	E01	D03	7502	J02	C01	7507	K06	A02	7512	C07	D01	7517	A03	D02			

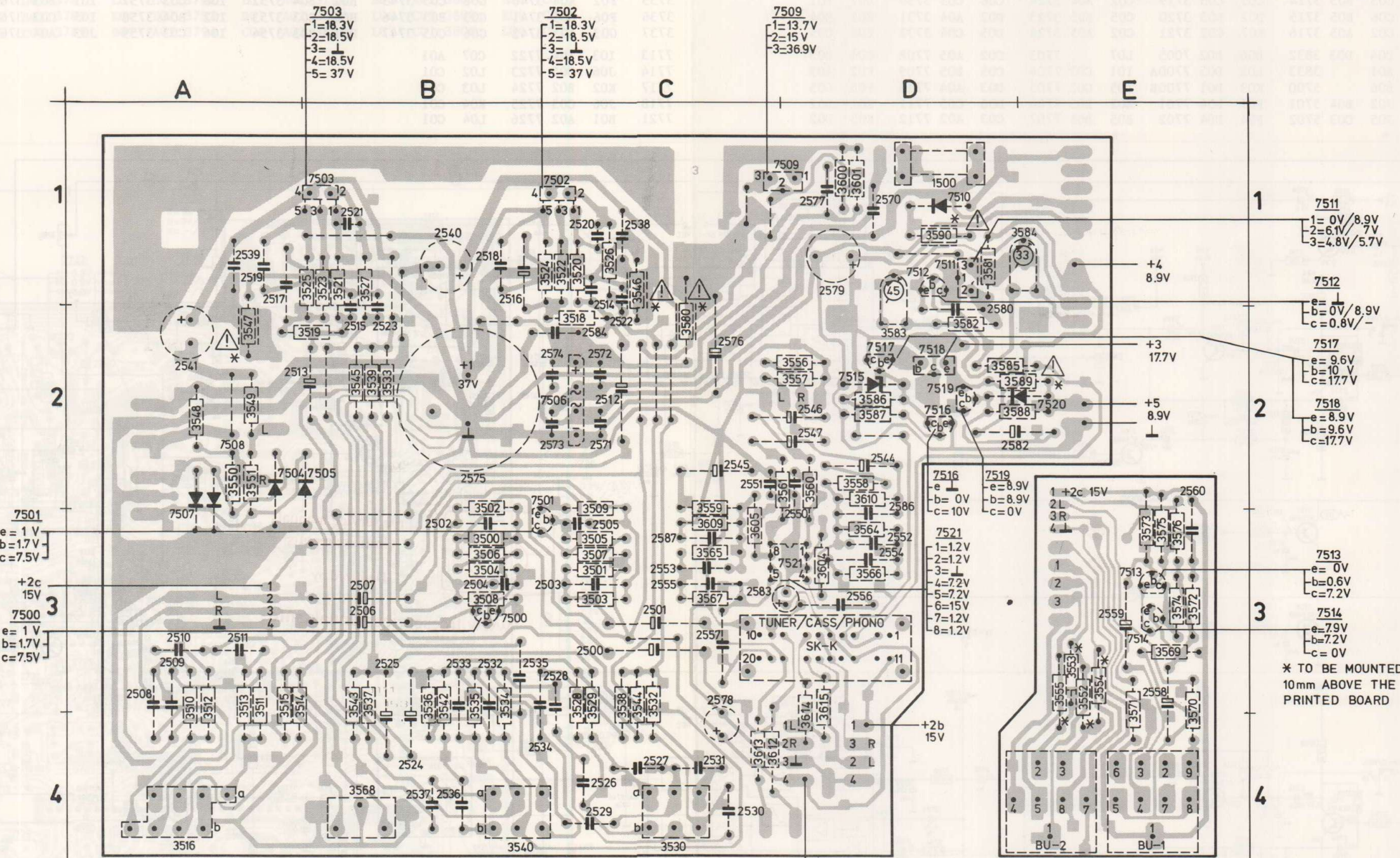


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7501  
e = 1 V  
b = 1.7 V  
c = 7.5 V

+2c  
15V

7500  
e = 1 V  
b = 1.7 V  
c = 7.5 V

7503  
1=18.3V  
2=18.5V  
3= 1  
4=18.5V  
5= 37V

7502  
1=18.3V  
2=18.5V  
3= 1  
4=18.5V  
5= 37V

7509  
1=13.7V  
2=15V  
3=36.9V

7511  
1= 0V/8.9V  
2=6.1V/7V  
3=4.8V/5.7V

7512  
e= 0V/8.9V  
c=0.8V/-

7517  
e= 9.6V  
b=10V  
c=17.7V

7518  
e= 8.9V  
b=9.6V  
c=17.7V

7516  
e= 8.9V  
b= 0V  
c=10V

7519  
e= 8.9V  
b= 8.9V  
c= 0V

7521  
1=1.2V  
2=1.2V  
4=7.2V  
5=7.2V  
6=15V  
7=1.2V  
8=1.2V

7513  
e= 0V  
b=0.6V  
c=7.2V

7514  
e=7.9V  
b=7.2V  
c= 0V

\* TO BE MOUNTED  
10mm ABOVE THE  
PRINTED BOARD

TDA 2030A

A LM317MPTB

BY-225-100 B

BD237

LM387N

C BA220  
BLACK  
RED

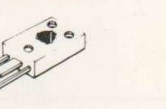
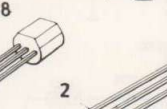
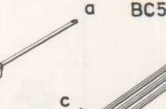
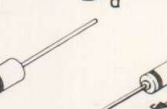
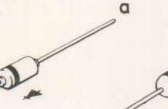
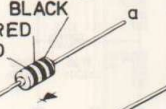
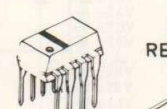
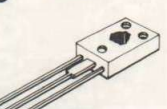
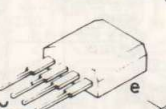
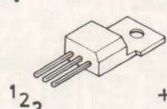
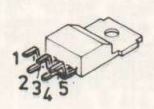
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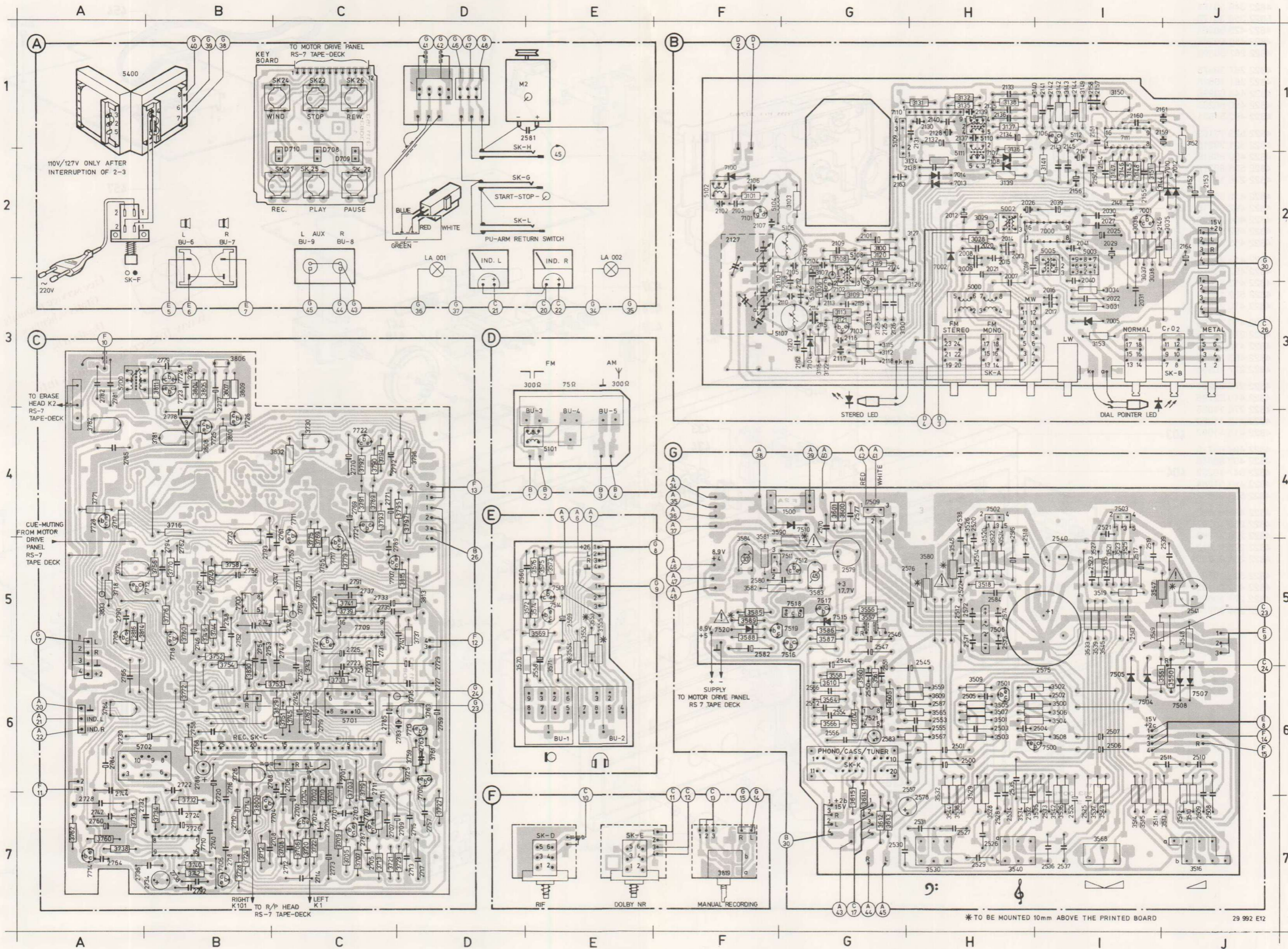
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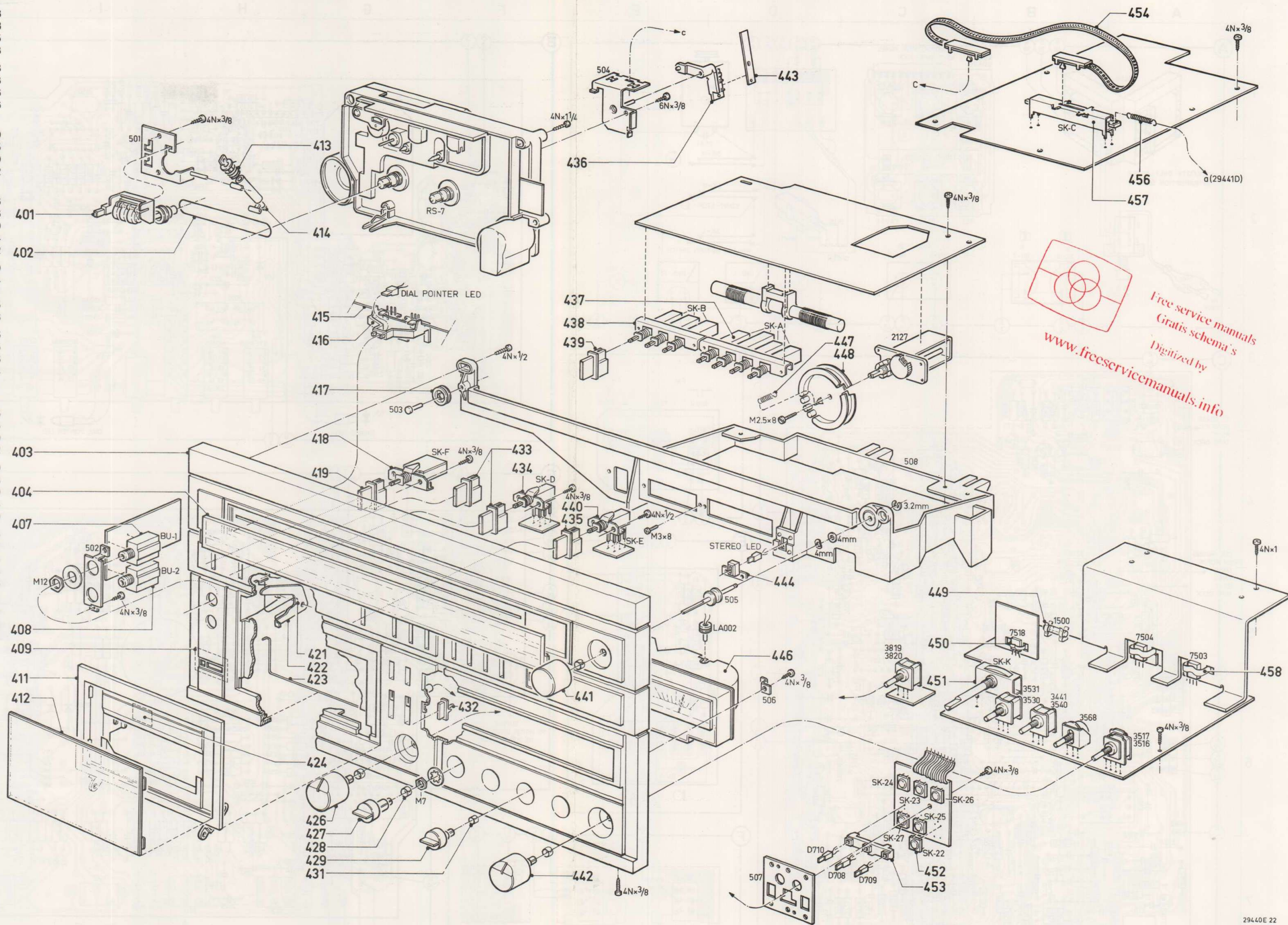


## PARTS LOCATION ON WIRING DIAGRAM

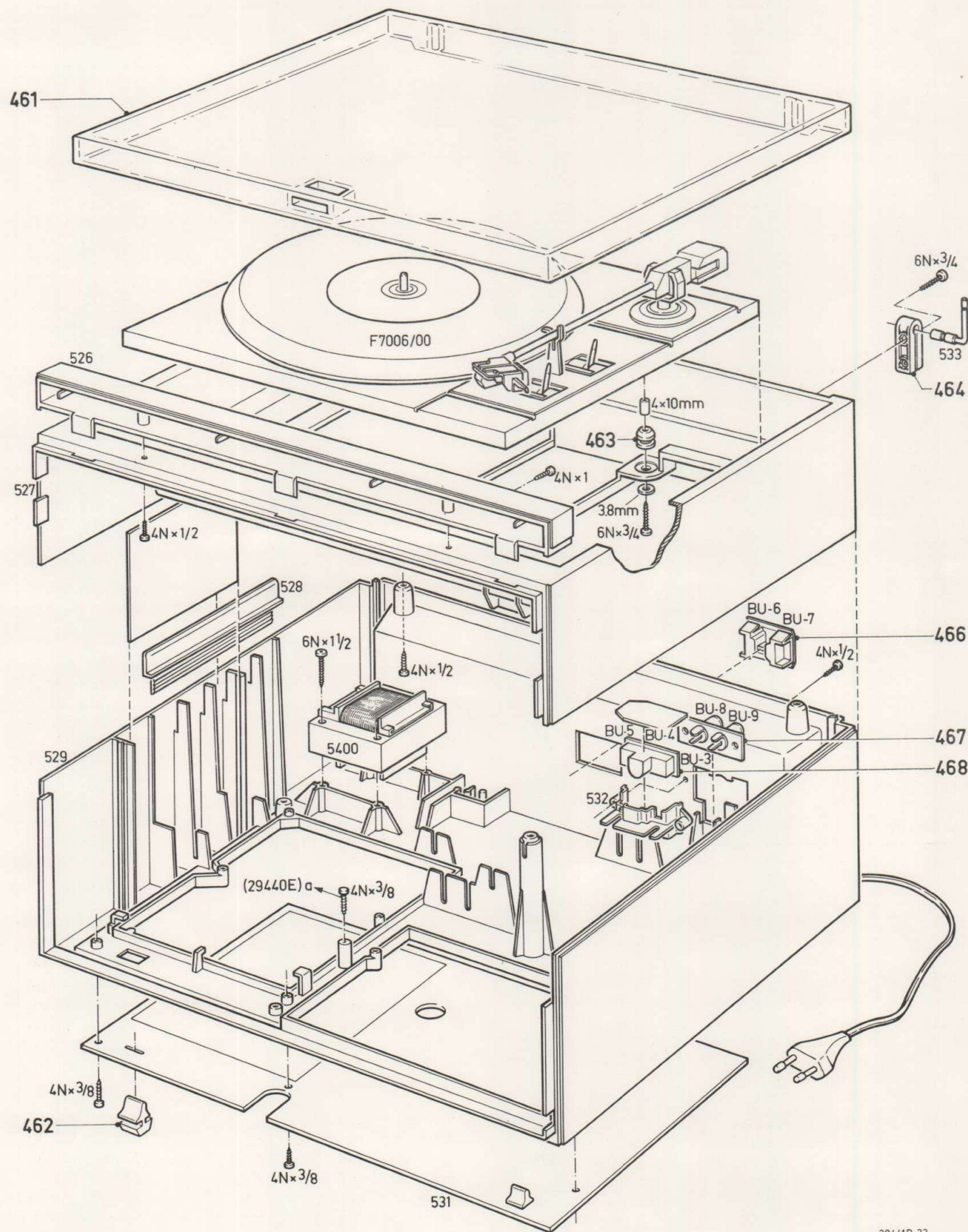
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2008	H02	2015	H02	2021	H02	2030	I02	2101	G02	2106	F02	2111	G02	2116	G03
2009	H02	2016	I03	2022	I03	2031	I03	2102	F02	2107	F02	2112	G02	2117	G03
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2119	G03	2127	F02	2133	H01	2138	G02	2143	I01	2148	I02	2154	I02	2159	I01
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2124	G02	2130	H01	2135	H01	2140	H01	2145	I01	2151	I01	2156	I02	2161	I01
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- 403 4822 426 50563
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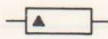

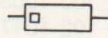

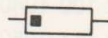


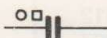
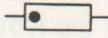
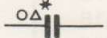
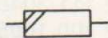

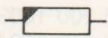


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468	4822 265 40145

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	<table border="0"> <tr><td>BA220</td><td>4822 130 34221</td></tr> <tr><td>BA315</td><td>4822 130 30843</td></tr> <tr><td>BA317</td><td>4822 130 30847</td></tr> <tr><td>BB417</td><td>4822 130 41374</td></tr> <tr><td>BY225-100</td><td>4822 130 50312</td></tr> <tr><td>OA90G</td><td>4822 130 31423</td></tr> <tr><td>1N4002</td><td>5322 130 30684</td></tr> <tr><td>2-AA119</td><td>4822 130 30312</td></tr> <tr><td>BZX79-B10</td><td>4822 130 34297</td></tr> <tr><td>BZX79-B5V6</td><td>4822 130 34173</td></tr> <tr><td>SG235D LED</td><td>4822 130 31518</td></tr> <tr><td>SR535D LED</td><td>4822 130 31463</td></tr> </table>	BA220	4822 130 34221	BA315	4822 130 30843	BA317	4822 130 30847	BB417	4822 130 41374	BY225-100	4822 130 50312	OA90G	4822 130 31423	1N4002	5322 130 30684	2-AA119	4822 130 30312	BZX79-B10	4822 130 34297	BZX79-B5V6	4822 130 34173	SG235D LED	4822 130 31518	SR535D LED	4822 130 31463		<table border="0"> <tr><td>3029</td><td>VDR 1 mA 12% 18 V</td><td>4822 116 20073</td></tr> <tr><td>3150</td><td>Potm. 4k7 lin 0,1 W</td><td>4822 100 10036</td></tr> <tr><td>3516</td><td>Potm. volume 20+80 K</td><td>4822 102 10177</td></tr> <tr><td>3530</td><td>Potm. bass 100 K</td><td>4822 100 10402</td></tr> <tr><td>3540</td><td>Potm. treble 100 K</td><td>4822 100 10402</td></tr> <tr><td>3546</td><td>8E2 <math>\Delta</math> 5% 0,33 W</td><td>4822 111 30506</td></tr> <tr><td>3547</td><td>8E2 <math>\Delta</math> 5% 0,33 W</td><td>4822 111 30506</td></tr> <tr><td>3568</td><td>Potm. balance 47 K</td><td>4822 100 10401</td></tr> <tr><td>3580</td><td>12E <math>\Delta</math> 5% 0,5 W</td><td>4822 111 30255</td></tr> <tr><td>3581</td><td>M. film 150E</td><td>4822 116 51297</td></tr> <tr><td>3583</td><td>Potm. 220E lin 0,1 W</td><td>4822 100 10019</td></tr> <tr><td>3584</td><td>Potm. 470E lin 0,1 W</td><td>4822 100 10038</td></tr> <tr><td>3590</td><td>1E <math>\Delta</math> 5% 0,33 W</td><td>4822 111 30483</td></tr> <tr><td>3725</td><td>Potm. 22 K lin 0,1 W</td><td>4822 100 10051</td></tr> <tr><td>3726</td><td>Potm. 22 K lin 0,1 W</td><td>4822 100 10051</td></tr> <tr><td>3730</td><td>Potm. 1 K lin 0,1 W</td><td>4822 100 10037</td></tr> <tr><td>3735</td><td>M. film 3 K32 0,5% 0,4 W</td><td>4822 116 51247</td></tr> <tr><td>3736</td><td>M. film 3 K32 0,5% 0,4 W</td><td>4822 116 51247</td></tr> <tr><td>3763</td><td>Potm. 10 K lin 0,1 W</td><td>4822 100 10035</td></tr> <tr><td>3764</td><td>Potm. 10 K lin 0,1 W</td><td>4822 100 10035</td></tr> <tr><td>3773</td><td>Potm. 10 K lin 0,1 W</td><td>4822 100 10035</td></tr> <tr><td>3774</td><td>Potm. 10 K lin 0,1 W</td><td>4822 100 10035</td></tr> <tr><td>3781</td><td>Potm. 47 K lin 0,1 W</td><td>4822 100 10079</td></tr> <tr><td>3782</td><td>Potm. 47 K lin 0,1 W</td><td>4822 100 10079</td></tr> <tr><td>3806</td><td>Thermister</td><td>4822 116 30225</td></tr> <tr><td>3819</td><td>Potm. Rec. level 47 K</td><td>4822 100 10498</td></tr> </table>	3029	VDR 1 mA 12% 18 V	4822 116 20073	3150	Potm. 4k7 lin 0,1 W	4822 100 10036	3516	Potm. volume 20+80 K	4822 102 10177	3530	Potm. bass 100 K	4822 100 10402	3540	Potm. treble 100 K	4822 100 10402	3546	8E2 $\Delta$ 5% 0,33 W	4822 111 30506	3547	8E2 $\Delta$ 5% 0,33 W	4822 111 30506	3568	Potm. balance 47 K	4822 100 10401	3580	12E $\Delta$ 5% 0,5 W	4822 111 30255	3581	M. film 150E	4822 116 51297	3583	Potm. 220E lin 0,1 W	4822 100 10019	3584	Potm. 470E lin 0,1 W	4822 100 10038	3590	1E $\Delta$ 5% 0,33 W	4822 111 30483	3725	Potm. 22 K lin 0,1 W	4822 100 10051	3726	Potm. 22 K lin 0,1 W	4822 100 10051	3730	Potm. 1 K lin 0,1 W	4822 100 10037	3735	M. film 3 K32 0,5% 0,4 W	4822 116 51247	3736	M. film 3 K32 0,5% 0,4 W	4822 116 51247	3763	Potm. 10 K lin 0,1 W	4822 100 10035	3764	Potm. 10 K lin 0,1 W	4822 100 10035	3773	Potm. 10 K lin 0,1 W	4822 100 10035	3774	Potm. 10 K lin 0,1 W	4822 100 10035	3781	Potm. 47 K lin 0,1 W	4822 100 10079	3782	Potm. 47 K lin 0,1 W	4822 100 10079	3806	Thermister	4822 116 30225	3819	Potm. Rec. level 47 K	4822 100 10498
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	0.2 W (CR16)	$\leq 220\text{ k}\Omega$ $> 270\text{ k}\Omega$	5% 10%		Ceramic plate	*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
	0.33 W (CR25)	$\leq 1\text{ M}\Omega$ $> 1\text{ M}\Omega$	5% 10%		Polyester flat foil	
	0.33 W (SFR25)		5%		Polyester mepolesco	
	0.25 W (VR25)	$\leq 10\text{ M}\Omega$ $> 10\text{ M}\Omega$	5% 10%		Mylar (Polyester flat foil small sized)	
	0.5 W (CR37)	$\leq 1\text{ M}\Omega$ $> 1\text{ M}\Omega$	5% 10%		Micropoco	
	0.67 W (CR52)		5%		Tubular ceramic (body colour pink or yellow/green)	
	1.15 W (CR68)		5%		Miniature single elco	
					Subminiature tantalum cap.	

27037A/B