

CURRENTS AND VOLTAGES

			Va	Vg2(+4)	Vk	Ia	Ig2(+4)
B1	EF41	Pentode	184	90	2	5.0	1.5
B2	ECH81	Hexode	235	98	1.9	2.7	5.7
		Triode	90	-	1.9	4.2	-
B3	EBF80	Pentode	235	70	-	5.0	1.7
B4	EBC41	Triode	85	-	1.0	0.55	-
B5	ECC40	Triode	72	-	1.9	0.9	-
		Triode	72	-	1.9	0.9	-
B6	EL84	Pentode	255	235	7.2	38	4.3
B7	EL84	Pentode	260	235	7.2	32	4.1
B10	EM34	Tuning indicator	235	d1=25 d2=50	-	-	d1=0.21 d2=0.18
			Volts	Volts	Volts	mA	mA

VC1 = 280 Volts

VC2 = 275 Volts

Sprim. 370 mA (220V 50 c/s)

These measurements have been taken with the Universal Measuring Instrument GM 4257 with the receiver connected to 220V a.c. no signal on the aerial socket. Radio-P.U. switch to radio, and bass-switch on "N".

In the later versions of this apparatus there is a plastic disc behind the knob for the ferroceptor, in order to prevent the loudspeaker cloth from becoming dirty.

At a large output of the loudspeaker this plate may give rise to rattling or vibration.

If necessary this plate may be removed.

LIST OF PARTS AND TOOLS

When ordering always quote:

1. Codenumber
2. Description
3. Typenumber of the set.

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	Description	Code number
	Cabinet	A3 003 29.0
	Spring in drum frame aerial drive.	A3 646 80.0
	Rear panel	A3 255 40.0
	Knobs (4 x)	A3 368 89.0
	Knob verniercontrol (1 x)	23 610 54.1
	Levers (bass-switch and Radio-P.U. switch)	23 643 94.0
	Connection cable for frame aerial	R210 KN/03AA
	Large cable drum under frame aerial	P4 095 06/01
	Emblem on EM34	A3 357 13.0
	Dial (overseas)	A3 741 04.0
	Dial (Mediterranean)	A3 741 05.0
	<u>Chassis</u>	
	Connecting plate (aerial-earth)	A1 340 92.0
	Valve holder	B1 505 22.0
	Valve holder ECH81	B1 506 59.0
	Spring for fixing two coilcans	A3 652 58.3
	Spring for fixing one coilcan	A3 652 75.1
	Indication disc waverangeswitch	A3 404 08.0
	Indication disc verniercontrol	A3 404 09.2
	Painter carrier	A3 372 35.0
	Valve holder EM34	B1 505 26.1
	Ornamental window for frame aerial	A3 360 63.0
	Dial for frame aerial	A3 724 54.0
	Knob for frame aerial	A3 737 22.0
	Dial lampholder	A3 359 16.1
	Spring in drum variable capacitor	A3 646 09.3
	Voltage adaptor	A3 228 85.0
	<u>Tools:</u>	
	Service oscillator	GM 2882 or GM 2883 or GM 2884
	Universal Measuring Instrument	GM 4256 or GM 4257
	Vaseline Compound	X 009 47.0
	JvE/MZ	

S1	}	-			S44	}	2.5	Ω	
S2	}	-		A3 141 39.3	S45	}	5.0	Ω	
S3	}	-			S46	}	2	Ω	A3 121 94.0
S7	}	1.5	Ω		S47	}	3	Ω	
S8	}	< 1	Ω	A3 125 79.0	C40	}	115	pF	
S9	}	1.5	Ω		C41	}	115	pF	
S10	}	< 1	Ω	A3 125 26.0	S48	}	100	Ω	A1 000 68.0
S11	}	1.6	Ω		S49	}	300	Ω	
S12	}	< 1	Ω	A3 125 28.0	S50	}	300	Ω	A3 169 60.0
S13	}	1.6	Ω		S51	}	< 1	Ω	
S14	}	< 1	Ω	A3 125 28.0	S52	}	4	Ω	
S15	}	13	Ω		C1	}	50	μF	
S16	}	1.7	Ω	A3 125 33.0	C2	}	50	μF	48 317 59/50+50
S17	}	< 1	Ω		C3	}	2200	pF	48 751 10/2K2
S17a	}	< 1	Ω	A3 117 56.0	C4	}	50	μF	48 312 09/50
S18	}	< 1	Ω		C5	} par.	100	pF	48 223 02/100E
S18a	}	< 1	Ω	A3 117 56.0			39	pF	48 222 05/39E
S19		26	Ω	A3 110 66.0	C6		30	pF	28 212 36.4
S20		< 1	Ω	A3 125 80.0	C7		5	pF	49 627 50.0
S21		< 1	Ω	A3 125 39.0	C8		60	pF	49 005 58.0
S22		< 1	Ω	A3 125 41.0	C9		11-498	pF	
S23		< 1	Ω	A3 125 41.0	C10		11-498	pF	49 001 66.2
S24	}	1.7	Ω		C11		11-498	pF	
S25	}			A3 125 46.0	C12		150	pF	48 203 10/150E
S26	}	45	Ω		C13		150	pF	48 203 02/150E
S27	}	3	Ω	A3 125 35.0	C14		150	pF	48 203 10/150E
S28		< 1	Ω	A3 117 43.0	C15		15000	pF	48 750 10/15K
S29		< 1	Ω	A3 113 10.0	C16		0.1	μF	48 751 10/100K
S30		< 1	Ω	A3 125 42.0	C17		150	pF	48 203 10/150E
S31		< 1	Ω	A3 125 44.0	C18		60	pF	49 005 58.0
S32	}	< 1	Ω		C19	} par.	100	pF	48 223 02/100E
S33	}	< 1	Ω	A3 125 60.0			39	pF	48 222 05/39E
S34	}	< 1	Ω		C20		30	pF	28 212 36.4
S35		< 1	Ω	A3 117 43.0	C21		30	pF	28 212 36.4
S36	}	< 1	Ω		C22		0,22	μF	48 751 10/220K
S37	}	4	Ω	A3 125 68.0	C23		150	pF	48 203 02/150E
S38	}	< 1	Ω		C24		150	pF	48 203 10/150E
S39	}	< 1	Ω	A3 125 72.0	C25		15000	pF	48 750 10/15K
S40	}	2.5	Ω		C26		220	pF	48 203 10/220E
S41	}	5.0	Ω		C27		500	pF	48 336 01/500E
S42	}	2	Ω	A3 121 94.0	C28		180	pF	48 336 01/180E
S43	}	3	Ω		C29		100	pF	48 203 10/100E
C38		115	pF		C30		100	pF	48 203 10/100E
C39		115	pF		C31		100	pF	48 203 02/100E
					C32		60	pF	49 005 58.0
					C33		150	pF	48 336 01/150E
					C34		1575	pF	48 429 01/1K575
					C35		30	pF	28 212 36.4
					C36	par.	390	pF	48 429 01/390E
							22	pF	48 336 99/22E
							30	pF	28 212 36.4
					C37				
					C38				
					C39				
					C40				
					C41				

voir bobines
see coils
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C42	47000	pF	48 750 10/47K	R27	22000	Ω	A9 999 00/22K
C43	330	pF	48 203 10/330E	R28	47000	Ω	A9 999 00/47K
C44	47000	pF	48 750 10/47K	R29	82000	Ω	A9 999 00/82K
C45	12	pF	48 201 10/12E	R30	0.68	M Ω	A9 999 00/680K
C46	1500	pF	48 206 50/1K5	R31	0.65	M Ω	49 500 64.0
C47	0,1	μ F	48 751 10/100K	R32	0.2	M Ω	
C48	47	pF	48 203 10/47E	R33	0.47	M Ω	A9 999 00/470K
C49	47000	pF	48 750 10/47K	R34	1	M Ω	A9 999 00/1M
C50	680	pF	48 203 10/680E	R35	1	M Ω	A9 999 00/1M
C51	18000	pF	48 750 10/18K	R38	0.47	M Ω	A9 999 00/470K
C52	8200	pF	48 750 10/8K2	R39	1	M Ω	A9 999 00/1M
C53	3900	pF	48 751 10/3K9	R40	1	M Ω	A9 999 00/1M
C54	470	pF	48 203 10/470E	R41	1800	Ω	A9 999 00/1K8
C55	18000	pF	48 750 10/18K	R42	0.22	M Ω	A9 999 00/220K
C56	10000	pF	48 751 10/10K	R43	1	M Ω	A9 999 00/1M
C57	50	μ F	48 313 22/50	R44	1	M Ω	A9 999 00/1M
C58	22	pF	48 201 10/22E	R45	6.8	M Ω	A9 999 00/6M8
C59	270	pF	48 203 10/270E	R46	0.56	M Ω	A9 999 00/560K
C60	680	pF	48 203 10/680E	R47	0.22	M Ω	A9 999 00/220K
C61	680	pF	48 203 10/680E	R48	0.15	M Ω	A9 999 00/150K
C62	560	pF	48 203 10/560E	R49	0.65	M Ω	49 475 20.0
C63	6800	pF	48 751 10/6K8	R50	2	M Ω	
C64	5.6	pF	48 201 20/5E6	R51	0.22	M Ω	A9 999 00/220K
C65	10	μ F	48 313 09/10	R53	68000	Ω	A9 999 00/68K
C66	50	μ F	48 313 22/50	R54	0.65	M Ω	49 501 11.0
C67	33000	pF	48 751 10/33K	R55	0.2	M Ω	
C68	33000	pF	48 751 10/33K	R56	0.1	M Ω	A9 999 00/100K
C69	1000	pF	48 758 20/1K	R57	390	Ω	A9 999 00/390E
C70	1000	pF	48 758 20/1K	R58	2.2	M Ω	A9 999 00/2M2
C71	4300	pF	48 429 01/4K3	R59	0.15	M Ω	A9 999 00/150K
C72	5600	pF	48 429 01/5K6	R60	0.15	M Ω	A9 999 00/150K
C73	0.1	μ F	48 757 20/100K	R61	10000	Ω	A9 999 00/10K
R1	1200	Ω	49 379 79.0	R62	56	Ω	A9 999 00/56E
R2	47	Ω	B1 636 16.0	R63	2200	Ω	A9 999 00/2K2
R3	10000	Ω	A9 999 00/10K	R64	2200	Ω	A9 999 00/2K2
R4	0.1	M Ω	A9 999 00/100K	R65	3900	Ω	A9 999 00/3K9
R5	330	Ω	A9 999 00/330E	R66	1	M Ω	A9 999 00/1M
R6	0.1	M Ω	A9 999 00/100K	R67	1	M Ω	A9 999 00/1M
R7	10000	Ω	A9 999 00/10K	R68	1000	Ω	A9 999 00/1K
R8	1000	Ω	A9 999 00/1K	R69	0.68	M Ω	A9 999 00/680K
R9	12000	Ω	A9 999 00/12K	R70	100	Ω	A9 999 00/100E
R10	1000	Ω	A9 999 00/1K	R71	0.68	M Ω	A9 999 00/680K
R11	par. 2x47000	Ω	A9 999 00/47K	R72	1000	Ω	A9 999 00/1K
R12	150	Ω	A9 999 00/150E				
R13	1	M Ω	A9 999 00/1M				
R14	47000	Ω	A9 999 00/47K				
R15	33000	Ω	A9 999 00/33K				
R16	560	Ω	A9 999 00/560E				
R17	1	M Ω	A9 999 00/1M				
R18	2.2	M Ω	A9 999 00/2M2				
R19	1.8	M Ω	A9 999 00/1M8				
R22	1.2	M Ω	A9 999 00/1M2				
R23	0.1	M Ω	A9 999 00/100K				
R24	47000	Ω	A9 999 00/47K				
R25	2.2	M Ω	A9 999 00/2M2				
R26	0.68	M Ω	A9 999 00/680K				

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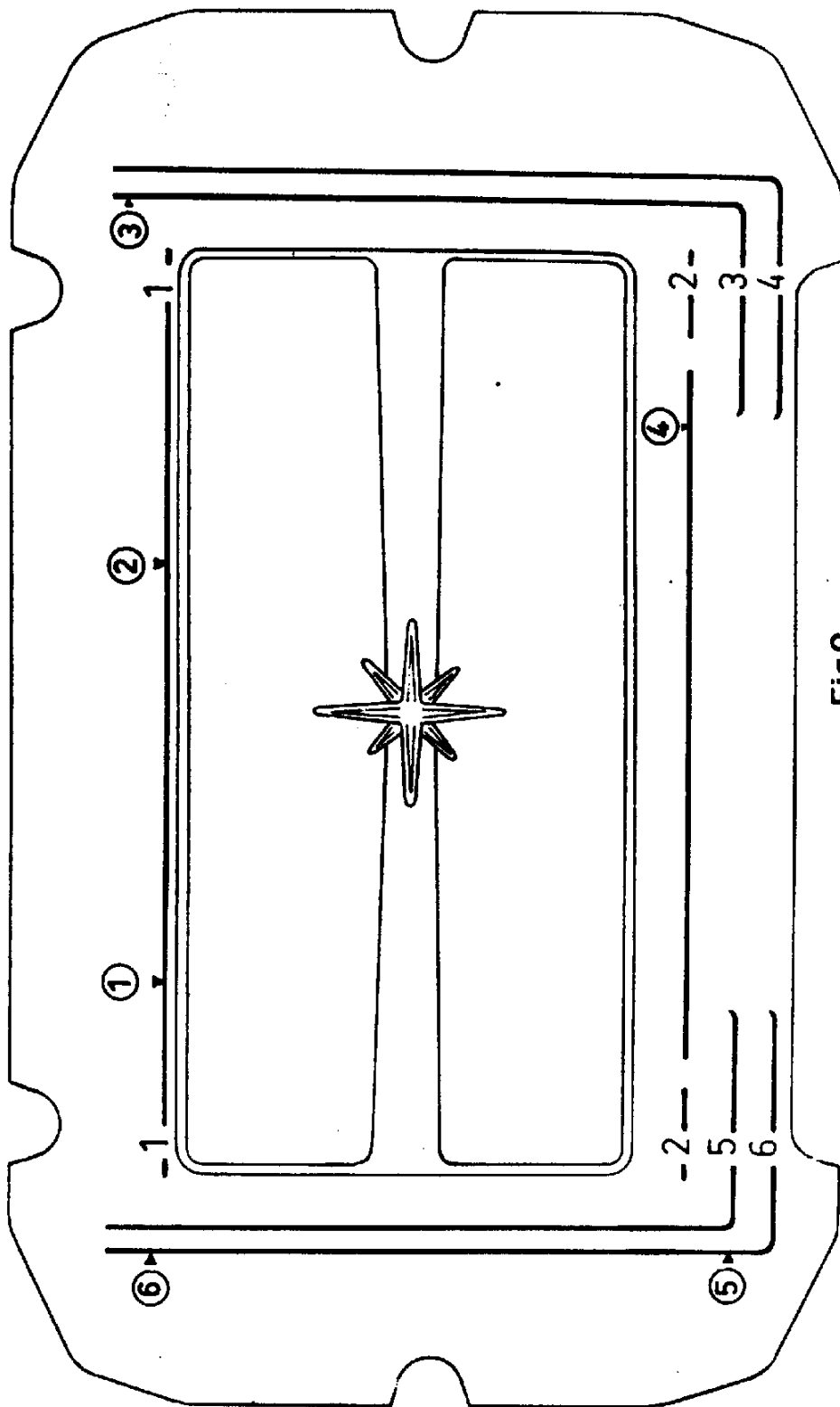


Fig.2

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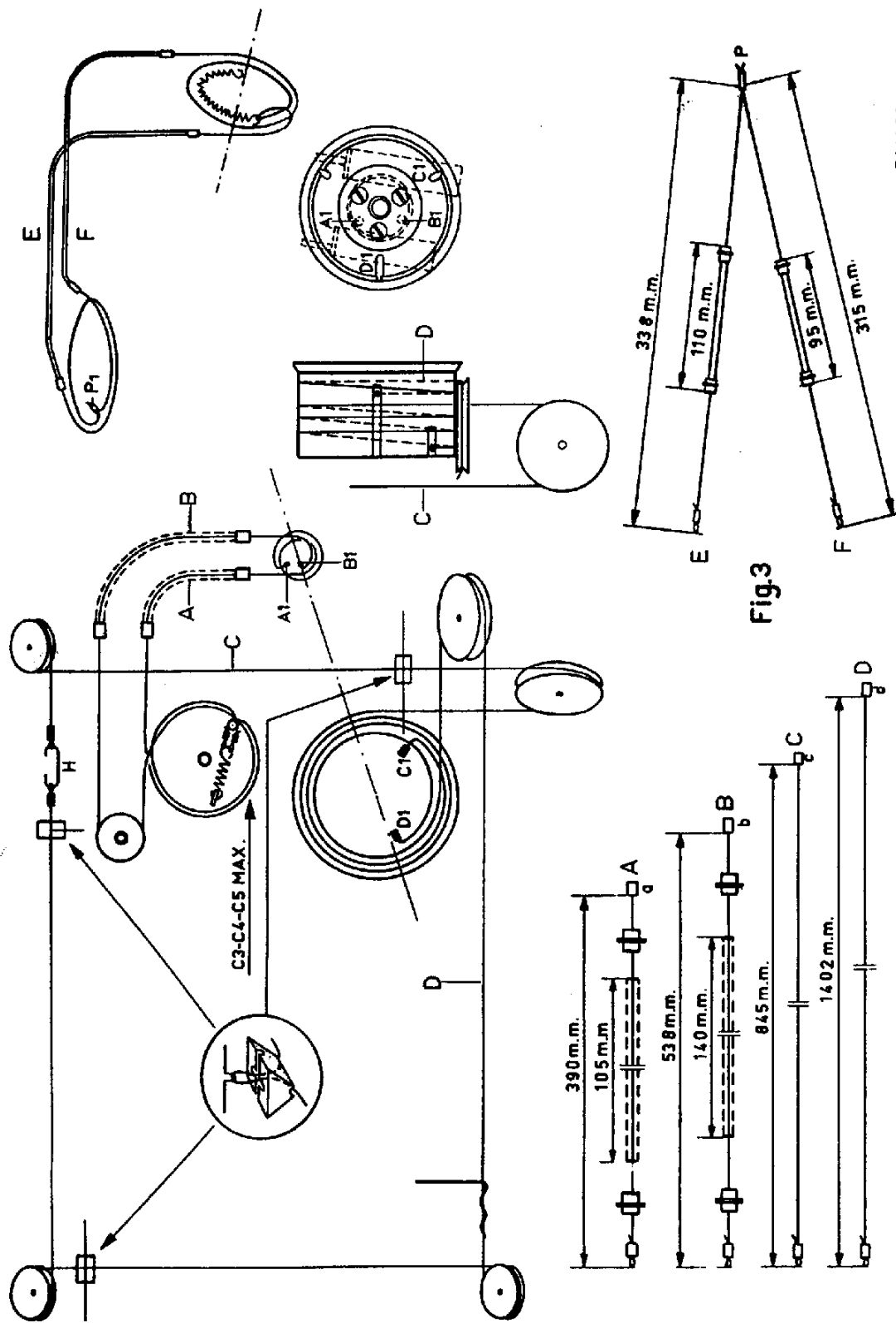


Fig.3

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