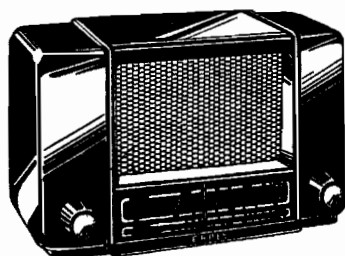


SERVICE-DOCUMENTATIE



KY 553
KY 5531
KY 5532

Ontvangtoestellen voor
wissel en gelijkstroom

KY 5531 } Tropenbestendig
KY 5532 }



ERRES RADIO

I. A L G E M E N E G E G E V E N S

- a. Golfbereiken:
- | | | | | |
|---------|---------------|------|---|--------|
| KY 553 | Korte golf | 13,4 | - | 52 m |
| | Midden golf | 185 | - | 585 m |
| | Lange golf | 950 | - | 1950 m |
| KY 5531 | Korte golf I | 13,4 | - | 42 m |
| | Korte golf II | 40 | - | 140 m |
| | Midden golf | 185 | - | 585 m |
| KY 5532 | Korte golf I | 13,4 | - | 42 m |
| | Korte golf II | 40 | - | 140 m |
| | Lange golf | 950 | - | 1950 m |
- b. Buizen:
- | | | |
|-----|-----|----|
| B 1 | UCH | 81 |
| B 2 | UF | 41 |
| B 3 | UBC | 41 |
| B 4 | UL | 41 |
| B 5 | UY | 41 |
- c. Kringen:
- Afgestemde HF kringen: 1 + 1
Afgestemde MF kringen: 2 + 2
- d. Middenfrequentie: Nominaal 453 kHz
- e. Gevoeligheid: Beter dan 10 μ V
- f. Uitgangsvermogen: 1,8 W bij 10% vervorming gemeten bij 400 Hz.
- g. Selectiviteit: De M.F. bandbreedte voor 10 voudig signaal bedraagt 11 kHz.
- h. Netspanningen: Omschakelbaar voor netspanningen van 127 V en 220 V.
- i. Bedieningsorganen: Volumeregelaar + netschakelaar
Golfbereikschakelaar
Afstemming
- j. Afmeting kast: 300 x 141 x 191 mm
- k. Gewicht: Bruto 5 kg; Netto 3 kg.

II. S P A N N I N G E N E N S T R O M E N

	B 1 UCH 81	B 2 UF 41	B 3 UBC 41	B 4 UL 41	
Va	172	172	56	190	Volt
Vg scherm	102	102		172	Volt
Vg	-1,8	-1,3	-1,7		Volt
Va triode	105				Volt
Ia	3	7,5		44,5	mA
Ig scherm	3,7	5,3		8	mA

$V_{C17}=200$ Volt; $V_{C18}=170$ Volt.

III. T R I M V O O R S C H R I F T

Meetzender: 30% moduleren met 400 Hz.

Wijzerinstelling: Variabele condensator geheel uitdraaien, wijzer instellen op begin van de schaal. Draaiingshoek var. condensator 172,5°.

Trimpunten: De volgende trimpunten zijn op de schaal aangegeven:

KY 553 8,3° - 35° - 152°
 KY 5531 8,3° - 152° - 160°
 KY 5532 8,3° - 35° - 152° - 160°.

Afregelen: Volumeregelaar op maximum.

De volgorde van afregelen is: KY 553 LG - MG - KG.
 KY 5531 MG - KG2 - KG1.
 KY 5532 LG - KG 2- KG1.

Bereik	Meet- frequentie	Condensator- stand	Aansluiting	Afregelen	
MF	450 Kc	180° MG (180° KG2 KY 5532).	via cond. van 22000 pF op g ₁ UCH 81	Resp. S26/S25 S24/S23	
MF antenne filter	450 Kc	180° MG (180° KG2 KY 5532).	via 22000 pF op top van MG (KG2)	Beide kernen uitgedraaid S33/S32	
				Osc. kring	Ant. kring
KG KY 553	6,5 Mc 22 Mc	152° 8,3°	via kunst- antenne	S13 C22	S4 C9
KG1	7,5 Mc 22 Mc	152° 8,3°	via kunst- antenne	S16 C22	S6 C41
KG2	2,3 Mc 7,5 Mc	160° 8,3°	via kunst- antenne	S18 C44	S8 C42
MG	570 Mc 1600 Mc	152° 8,3°	via kunst- antenne	S20 C23	S9 C8 C43 KY 5531
LG	166 Kc 300 Kc	152° 35°	via kunst- antenne	S22 C24	S10 C7

S p o e l e n e n T r a f o ' s

S 3	27 W	4,5 Ω	ant.spoel	S21	34 W	4,5 Ω	osc.spoel
4	12 W	1 Ω	13,5-52m	22	180 W	13,5 Ω	720-2000m
			GK 567 72				GK 568 21
5	26 W	< 1 Ω	ant.spoel	23	175 W	4,5 Ω	M.F.I trafo
6	9 W	< 1 Ω	13,5-42m	24	260 W	7,4 Ω	GK 567 95
			GK 567 71	25	175 W	4,5 Ω	M.F.II
7	115 W	7 Ω	ant.spoel	26	260 W	7,4 Ω	trafo
8	42 W	1 Ω	40-140m				GK 567 95
			GK 568 59	27	2100 W	375 Ω	Uitgangs-
9	61 W	1,3 Ω	ant.spoel	28	65 W	1,7 Ω	trafo
			175-580m	29	12 W	1 Ω	GK 513 99
			GK 567 62	30	93 W	2 Ω	antibrom-
10	200 W	15 Ω	ant.spoel				spoel
			720-2000m				GK 567 30
			GK 567 63	31	400 per.		luidspreker
11	42 W	< 1 Ω	osc.spoel				LS 13 09 06
12	5 W	< 1 Ω	13,5-52m	32	802 W	55 Ω	M.F.filter
13	11 W	< 1 Ω	GK 568 70	33	196 W	9 Ω	A3 126 85
14	27 W	< 1 Ω	osc.spoel				
15	5 W	< 1 Ω	13,5-42m				
16	9 W	< 1 Ω	GK 568 53	L 1	8003 D	schaalverlichtings-	
17	7,5 W	1,5 Ω	osc.spoel			lampje	
18	25 W	4,5 Ω	40-140m			12 V 100 mA	
			GK 567 78	G 1	GK 977 69	} schakelaarsegmenten	
19	21 W	1,7 Ω	osc.spoel	G 2	GK 977 43		
20	80 W	4,8 Ω	175-580m	G 3	GK 977 32		
			GK 568 20				

C o n d e n s a t o r e n

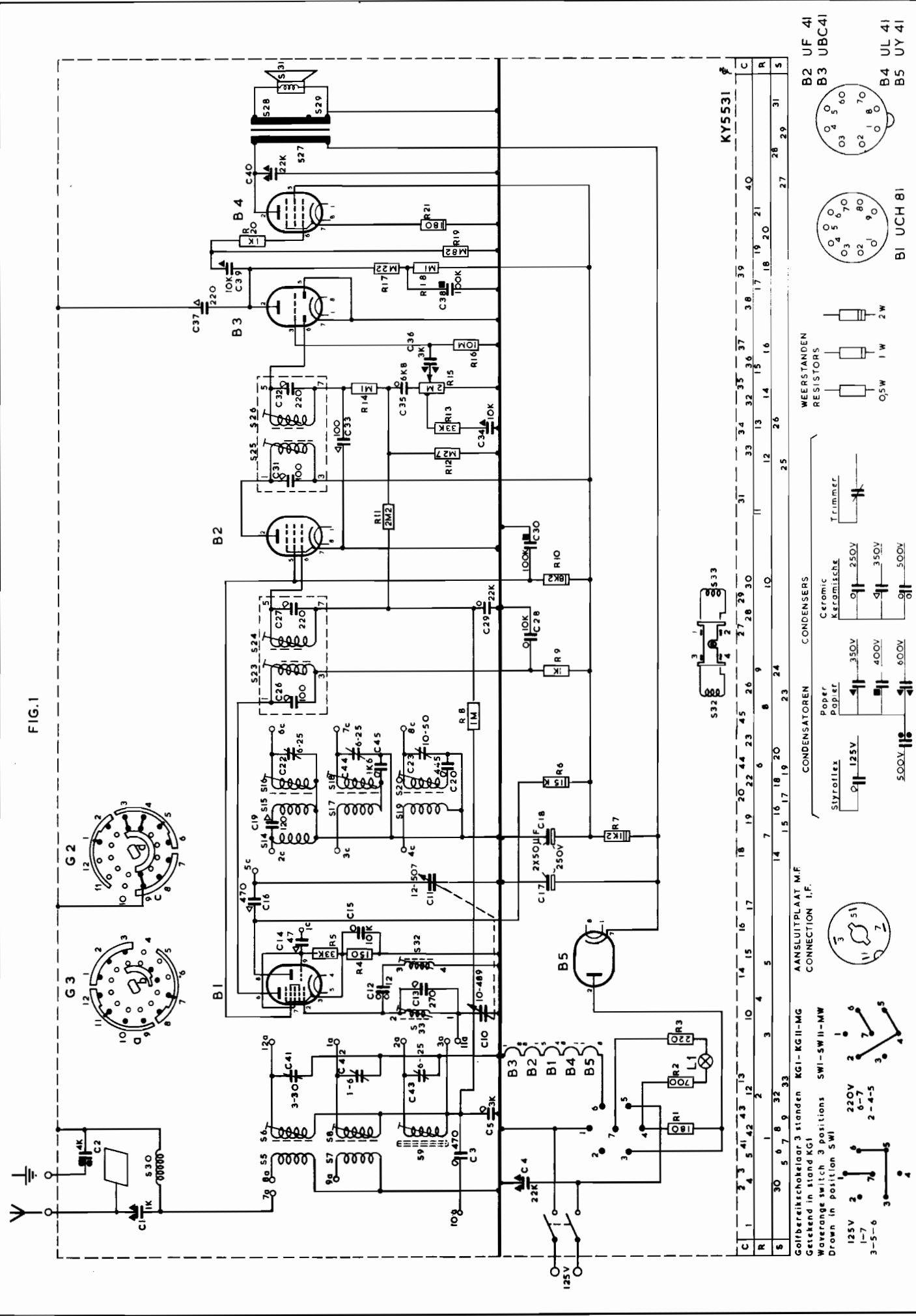
C 1	1000 pF	E 202 20/1K	C24	10-50 pF	82754/50E
2	4000 pF	E 222 10/4K	25	120 pF	E 103 10/120E
3	470 pF	E 360 05/470E	26	100 pF	E 360 02/100E
4	22000 pF	E 202 10/22K	27	220 pF	E 360 02/220E
5	3000 pF	E 360 05/3K	28	10000 pF	E 105 50/10K
6	27 pF	E 103 10/27E	29	22000 pF	E 105 50/22K
7	10-50 pF	82754/50E	30	0,1 μF	E 201 10/100K
8	1-6 pF	82754/6E	31	100 pF	E 360 02/100E
9	1-6 pF	82754/6E	32	220 pF	E 360 02/220E
10	10-489 pF)		33	100 pF	E 103 10/100E
11	12-507 pF)	GK 210 56	34	10000 pF	GK 198 42
12	12 pF	E 101 05/12E	35	6800 pF	E 105 50/6K8
13	270 pF	E 360 05/270E	36	3000 pF	E 210 10/3K
14	47 pF	E 103 10/47E	37	220 pF	E 103 10/220E
15	10000 pF	E 105 50/10K	38	0,1 μF	E 201 10/100K
16	470 pF	E 103 10/470E	39	10000 pF	GK 198 42
17	50 μF)		40	22000 pF	E 202 10/22K
18	50 μF)	GK 180 32	41	3-30 pF	7864/01
19	120 pF	E 103 05/120E	42	1-6 pF	82754/6E
20	445 pF	E 360 01/445E	43	6-25 pF	82754/25E
21	195 pF	E 360 02/195E	44	6-25 pF	82754/25E
22	6-25 pF	82754/25E	45	1600 pF	E 360 05/1K6
23	10-50 pF	82754/50E			

W e e r s t a n d e n

R 1	180 Ω	GK 790 08	R 9	1000 Ω	GK 776 10/1K
		draadweerstand	10	8200 Ω	GK 777 10/8K2
		type GL	11	2,2 MΩ	GK 776 10/2M2
2	700 Ω	GK 790 32	12	0,27 MΩ	GK 776 10/270K
		draadweerstand	13	33000 Ω	GK 776 10/33K
		type H	14	0,1 MΩ	GK 776 10/100K
3	220 Ω	100 026/01	15	2 MΩ	GK 809 39
4	150 Ω	GK 776 10/150E			koalpotmeter
5	33000 Ω	GK 776 10/33K			log. met
6	15000 Ω	GK 777 10/15K			schakelaar
7	1200 Ω	GK 778 10/1K2	16	10 MΩ	GK 776 10/10M
8	1 MΩ	GK 776 10/1M	17	0,22 MΩ	GK 776 10/220K
			18	0,1 MΩ	GK 776 10/100K
			19	0,82 MΩ	GK 776 10/820K
			20	1000 Ω	GK 776 10/1K
			21	180 Ω	GK 777 10/180E

Auteursrecht volgens de wet voorbehouden

FIG.1



ANSLUITPLAAT M.F. CONNECTION I.F.

Golfbereitschelaar 3 standen KG1-KG11-MG
 Getekend in stand KG1
 Waverange switch 3 positions SWI-SW11-MW
 Drawn in position SW1

125V 2 1-7
 3-5-6 6-7
 2-4-5

220V
 1-7
 2-4-5

CONDENSATOREN
 Paper
 Papier
 Styrolitec
 125V
 350V
 400V
 600V
 500V

CONDENSATORS
 Ceramic
 Keramische
 250V
 350V
 500V

WEERSTANDEN RESISTORS
 0.5W 1W 2W

BI UCH B1

B2 UF 4I

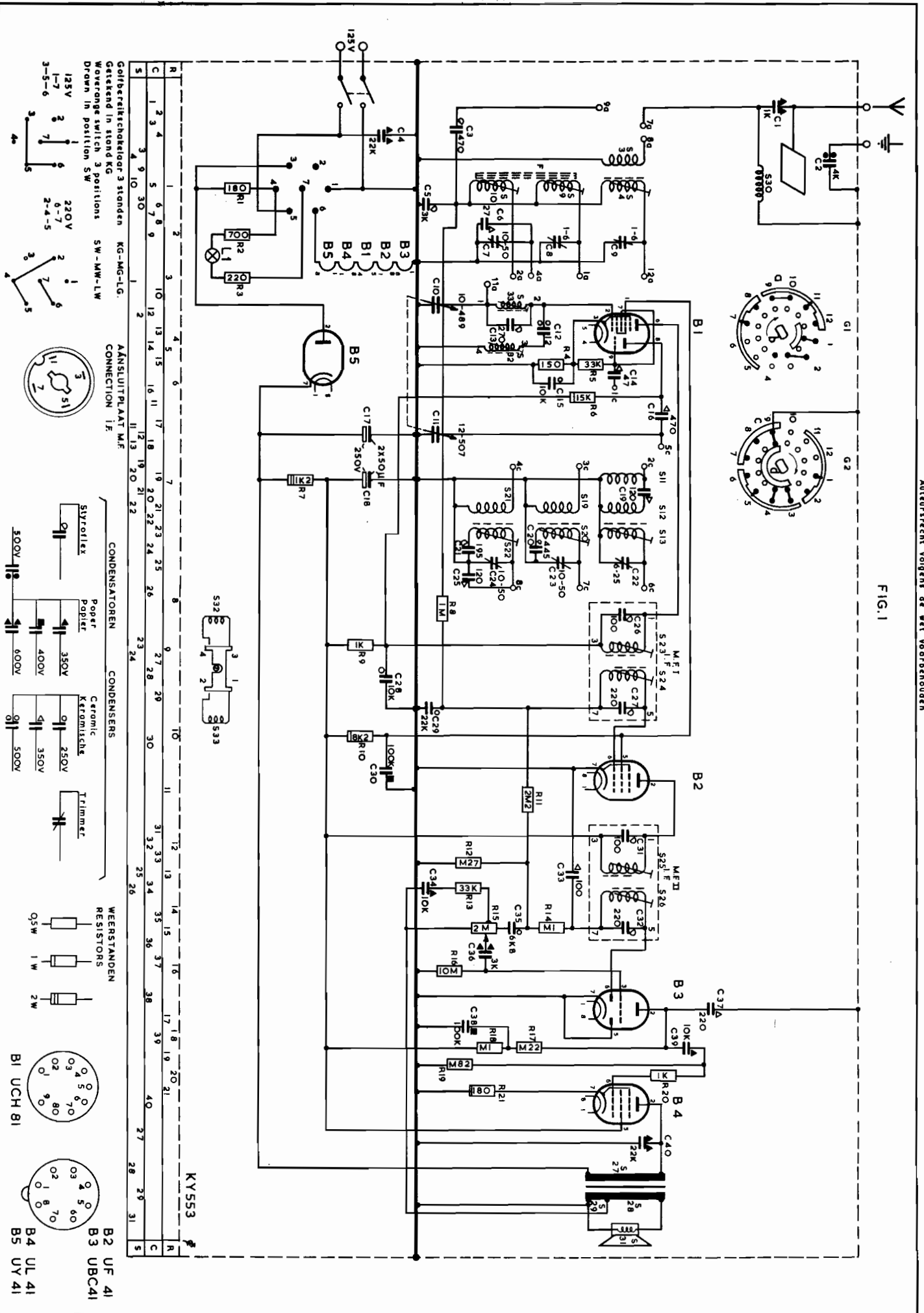
B3 UBC4I

B4 UL 4I

B5 UY 4I

KY5531

FIG. 1



R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
C	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55

Goelberreikschakelaar 3 stonden KG-MG-LG.
 Getastend in stond KG
 Weeromge switch 3 positions SW-MW-LW
 Down in position SW

ANSUITPLAAT M.F.
 CONNECTION 1F

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

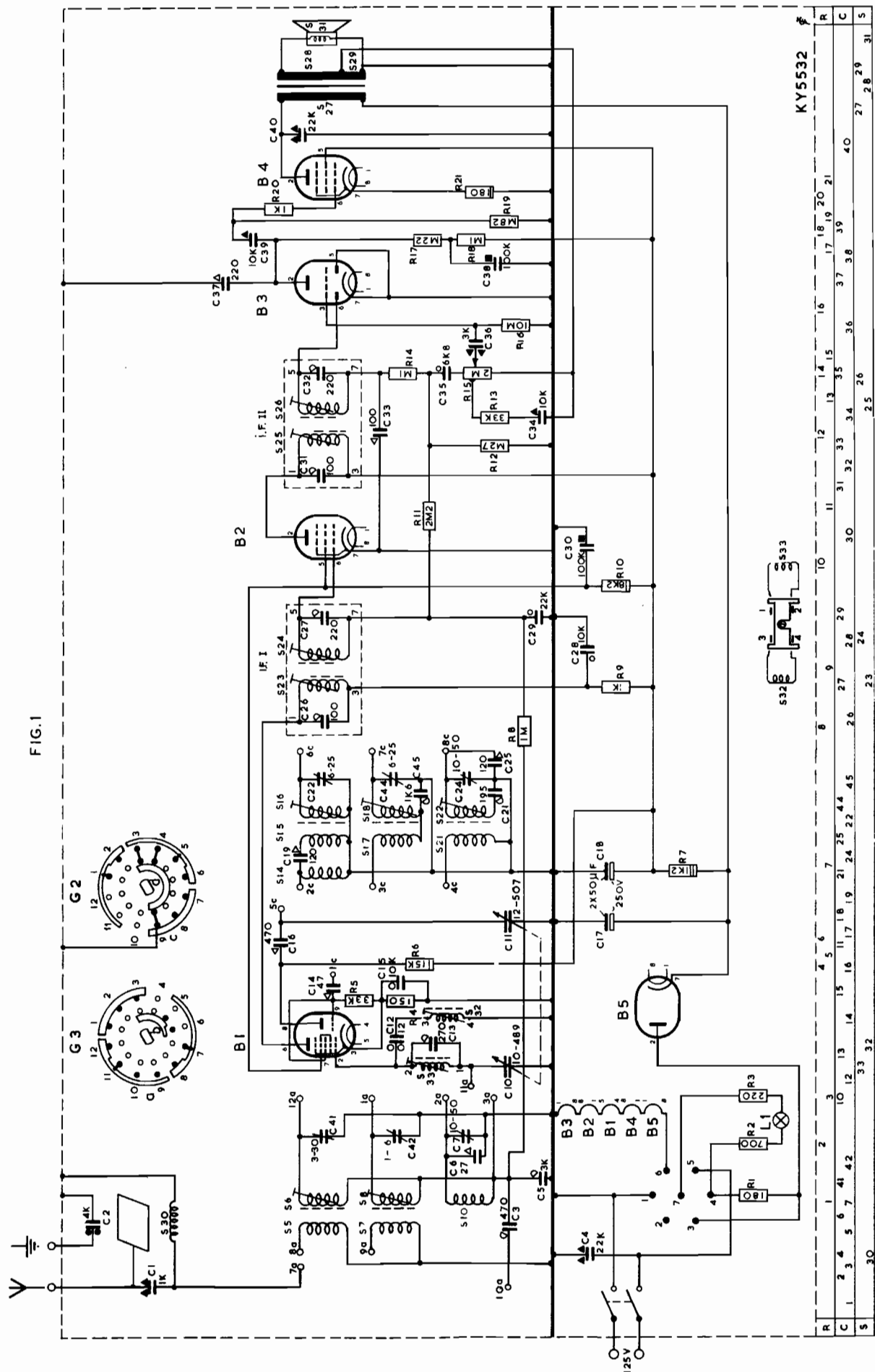
WEEERSTANDEN RESISTORS

CONDENSATOREN CONDENSERS

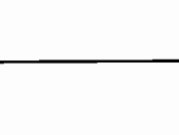
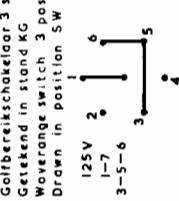
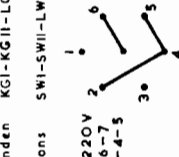
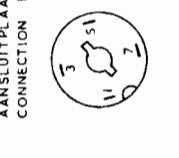
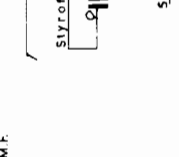
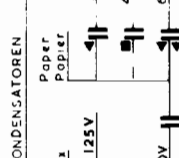
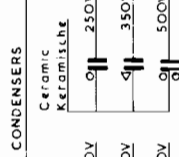
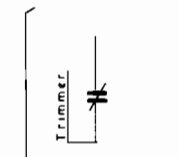
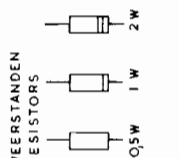
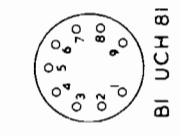
WEEERSTANDEN RESISTORS

Auteursrecht volgens de wet voorbehouden

FIG. 1



- B2 UF 41
- B3 UBC41
- B4 UL 41
- B5 UY 41



Component	Value	Pin	Component	Value	Pin
R1	22K	1	R17	22K	17
R2	22K	2	R18	22K	18
R3	22K	3	R19	22K	19
R4	22K	4	R20	22K	20
R5	22K	5	R21	22K	21
R6	22K	6	R22	22K	22
R7	22K	7	R23	22K	23
R8	22K	8	R24	22K	24
R9	22K	9	R25	22K	25
R10	22K	10	R26	22K	26
R11	22K	11	R27	22K	27
R12	22K	12	R28	22K	28
R13	22K	13	R29	22K	29
R14	22K	14	R30	22K	30
R15	22K	15	R31	22K	31
R16	22K	16	R32	22K	32
R17	22K	17	R33	22K	33
R18	22K	18	R34	22K	34
R19	22K	19	R35	22K	35
R20	22K	20	R36	22K	36
R21	22K	21	R37	22K	37
R22	22K	22	R38	22K	38
R23	22K	23	R39	22K	39
R24	22K	24	R40	22K	40
R25	22K	25	R41	22K	41
R26	22K	26	R42	22K	42
R27	22K	27	R43	22K	43
R28	22K	28	R44	22K	44
R29	22K	29	R45	22K	45
R30	22K	30	R46	22K	46
R31	22K	31	R47	22K	47
R32	22K	32	R48	22K	48
R33	22K	33	R49	22K	49
R34	22K	34	R50	22K	50
R35	22K	35	R51	22K	51
R36	22K	36	R52	22K	52
R37	22K	37	R53	22K	53
R38	22K	38	R54	22K	54
R39	22K	39	R55	22K	55
R40	22K	40	R56	22K	56
R41	22K	41	R57	22K	57
R42	22K	42	R58	22K	58
R43	22K	43	R59	22K	59
R44	22K	44	R60	22K	60
R45	22K	45	R61	22K	61
R46	22K	46	R62	22K	62
R47	22K	47	R63	22K	63
R48	22K	48	R64	22K	64
R49	22K	49	R65	22K	65
R50	22K	50	R66	22K	66
R51	22K	51	R67	22K	67
R52	22K	52	R68	22K	68
R53	22K	53	R69	22K	69
R54	22K	54	R70	22K	70
R55	22K	55	R71	22K	71
R56	22K	56	R72	22K	72
R57	22K	57	R73	22K	73
R58	22K	58	R74	22K	74
R59	22K	59	R75	22K	75
R60	22K	60	R76	22K	76
R61	22K	61	R77	22K	77
R62	22K	62	R78	22K	78
R63	22K	63	R79	22K	79
R64	22K	64	R80	22K	80
R65	22K	65	R81	22K	81
R66	22K	66	R82	22K	82
R67	22K	67	R83	22K	83
R68	22K	68	R84	22K	84
R69	22K	69	R85	22K	85
R70	22K	70	R86	22K	86
R71	22K	71	R87	22K	87
R72	22K	72	R88	22K	88
R73	22K	73	R89	22K	89
R74	22K	74	R90	22K	90
R75	22K	75	R91	22K	91
R76	22K	76	R92	22K	92
R77	22K	77	R93	22K	93
R78	22K	78	R94	22K	94
R79	22K	79	R95	22K	95
R80	22K	80	R96	22K	96
R81	22K	81	R97	22K	97
R82	22K	82	R98	22K	98
R83	22K	83	R99	22K	99
R84	22K	84	R100	22K	100
R85	22K	85	R101	22K	101
R86	22K	86	R102	22K	102
R87	22K	87	R103	22K	103
R88	22K	88	R104	22K	104
R89	22K	89	R105	22K	105
R90	22K	90	R106	22K	106
R91	22K	91	R107	22K	107
R92	22K	92	R108	22K	108
R93	22K	93	R109	22K	109
R94	22K	94	R110	22K	110
R95	22K	95	R111	22K	111
R96	22K	96	R112	22K	112
R97	22K	97	R113	22K	113
R98	22K	98	R114	22K	114
R99	22K	99	R115	22K	115
R100	22K	100	R116	22K	116
R101	22K	101	R117	22K	117
R102	22K	102	R118	22K	118
R103	22K	103	R119	22K	119
R104	22K	104	R120	22K	120
R105	22K	105	R121	22K	121
R106	22K	106	R122	22K	122
R107	22K	107	R123	22K	123
R108	22K	108	R124	22K	124
R109	22K	109	R125	22K	125
R110	22K	110	R126	22K	126
R111	22K	111	R127	22K	127
R112	22K	112	R128	22K	128
R113	22K	113	R129	22K	129
R114	22K	114	R130	22K	130
R115	22K	115	R131	22K	131
R116	22K	116	R132	22K	132
R117	22K	117	R133	22K	133
R118	22K	118	R134	22K	134
R119	22K	119	R135	22K	135
R120	22K	120	R136	22K	136
R121	22K	121	R137	22K	137
R122	22K	122	R138	22K	138
R123	22K	123	R139	22K	139
R124	22K	124	R140	22K	140
R125	22K	125	R141	22K	141
R126	22K	126	R142	22K	142
R127	22K	127	R143	22K	143
R128	22K	128	R144	22K	144
R129	22K	129	R145	22K	145
R130	22K	130	R146	22K	146
R131	22K	131	R147	22K	147
R132	22K	132	R148	22K	148
R133	22K	133	R149	22K	149
R134	22K	134	R150	22K	150
R135	22K	135	R151	22K	151
R136	22K	136	R152	22K	152
R137	22K	137	R153	22K	153
R138	22K	138	R154	22K	154
R139	22K	139	R155	22K	155
R140	22K	140	R156	22K	156
R141	22K	141	R157	22K	157
R142	22K	142	R158	22K	158
R143	22K	143	R159	22K	159
R144	22K	144	R160	22K	160
R145	22K	145	R161	22K	161
R146	22K	146	R162	22K	162
R147	22K	147	R163	22K	163
R148	22K	148	R164	22K	164
R149	22K	149	R165	22K	165
R150	22K	150	R166	22K	166
R151	22K	151	R167	22K	167
R152	22K	152	R168	22K	168
R153	22K	153	R169	22K	169
R154	22K	154	R170	22K	170
R155	22K	155	R171	22K	171
R156	22K	156	R172	22K	172
R157	22K	157	R173	22K	173
R158	22K	158	R174	22K	174
R159	22K	159	R175	22K	175
R160	22K	160	R176	22K	176
R161	22K	161	R177	22K	177
R162	22K	162	R178	22K	178
R163	22K	163	R179	22K	179
R164	22K	164	R180	22K	180
R165	22K	165	R181	22K	181
R166	22K	166	R182	22K	182
R167	22K	167	R183	22K	183
R168	22K	168	R184	22K	184
R169	22K	169	R185	22K	185
R170	22K	170	R186	22K	186
R171	22K	171	R187	22K	187
R172	22K	172	R188	22K	188
R173	22K	173	R189	22K	189
R174	22K	174	R190	22K	190
R175	22K	175	R191	22K	191
R176	22K	176	R192	22K	192
R177	22K	177	R193	22K	193
R178	22K	178	R194	22K	194
R179	22K	179	R195	22K	195
R180	22K	180	R196	22K	196
R181	22K	181	R197	22K	197
R182	22K	182	R198	22K	198
R183	22K	183	R199	22K	199
R184	22K	184	R200	22K	200
R185	22K	185	R201	22K	201
R186	22K	186	R202	22K	202
R187	22K	187	R203	22K	203
R188	22K	188	R204	22K	204
R189	22K	189	R205	22K	205
R190	22K	190	R206	22K	206
R191	22K	191	R207	22K	207
R192	22K	192	R208	22K	208
R193	22K	193	R209	22K	209
R194	22K	194	R210	22K	210
R195	22K	195	R211	22K	211
R196	22K	196	R212	22K	212
R197	22K	197	R213	22K	213
R198	22K	198	R214	22K	214
R199	22K	199	R215	22K	215
R200	22K	200	R216	22K	216
R201	22K	201	R217	22K	217
R202	22K	202	R218	22K	218
R203	22K	203	R219	22K	219
R204	22K	204	R220	22K	220
R205	22K	205	R221	22K	221
R206	22K	206	R222	22K	222
R207	22K	207	R223	22K	223
R208	22K	208	R224	22K	224
R209	22K	209	R225	22K	225
R210	22K	210	R226	22K	226
R211	22K	211	R227	22K	227
R212	22K	212	R228	22K	228
R213	22K	213	R229	22K	229
R214	22K	214	R230	22K	230
R215	22K	215	R231	22K	231
R216	22K	216	R232	22K	232
R217	22K	217	R233	22K	233
R218	22K	218	R234	22K	234
R219	22K	219	R235	22K	235
R220	22K	220	R236	22K	236
R221	22K	221	R237	22K	237
R222	22K	222	R238		

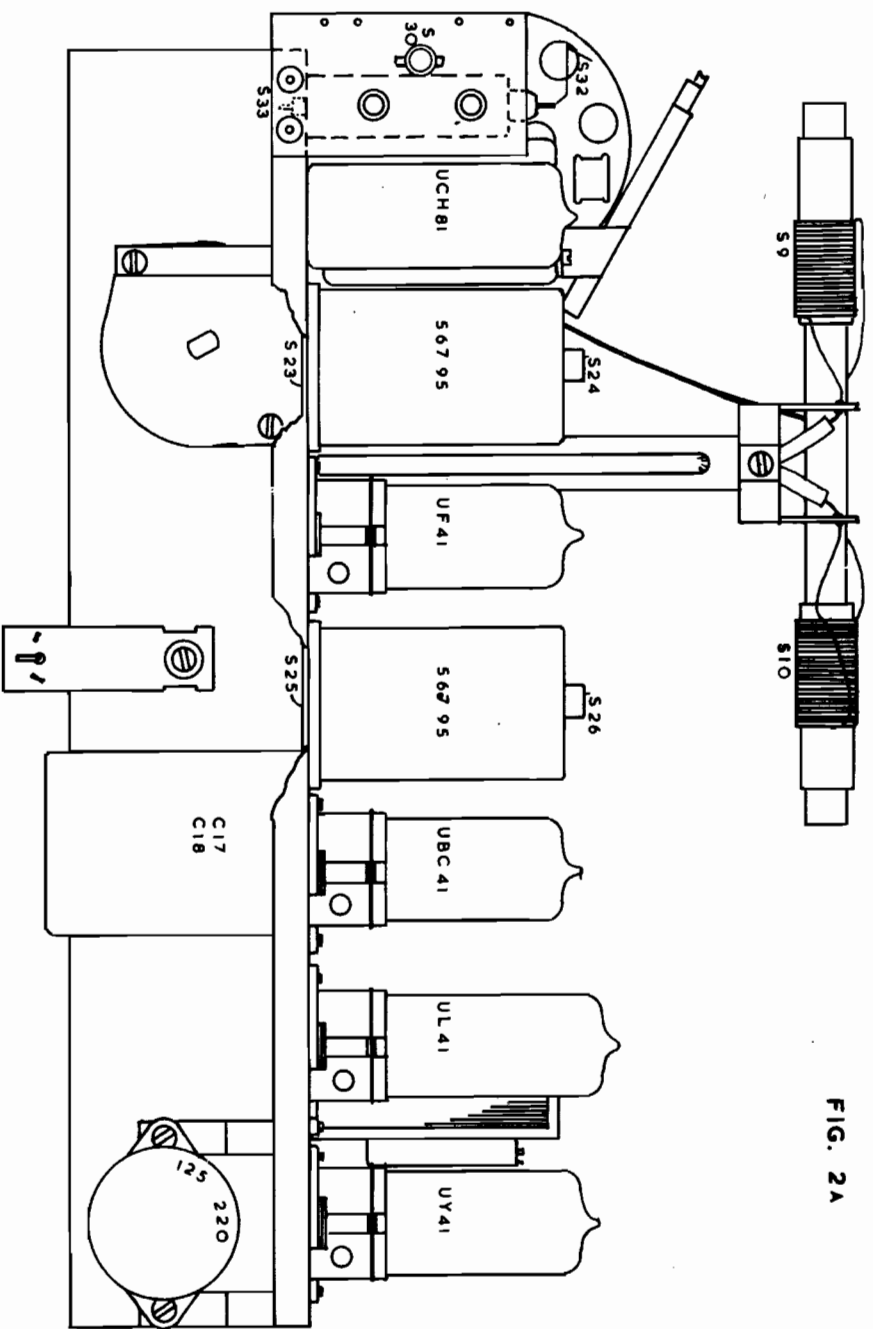
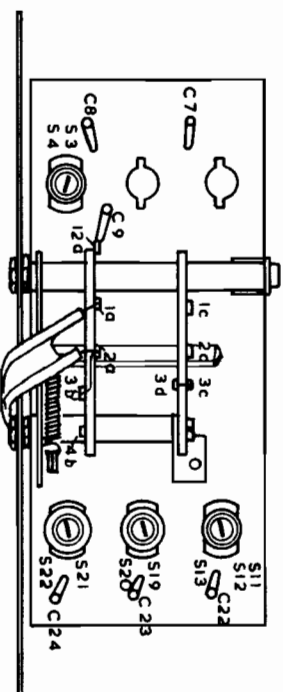


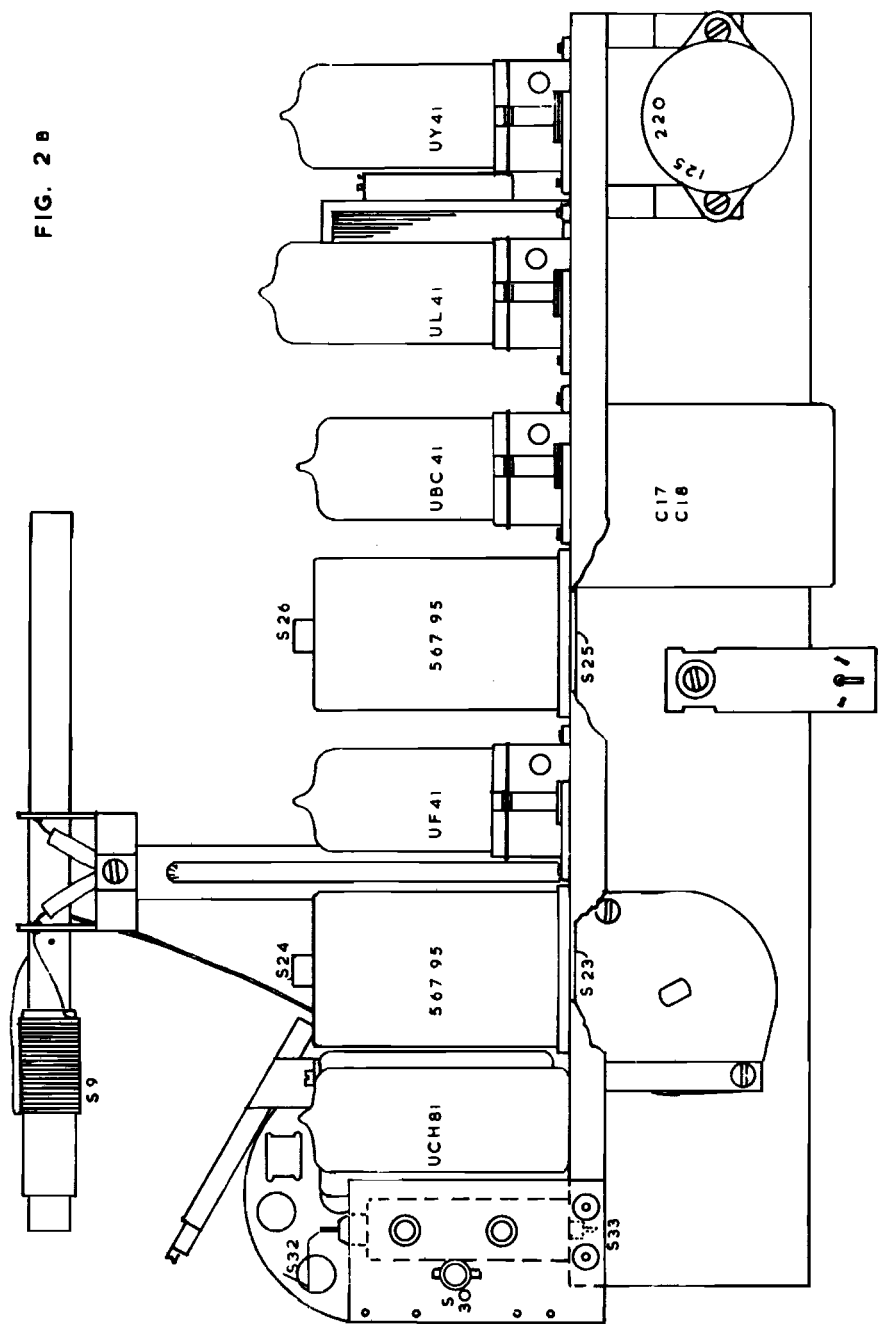
FIG. 2A



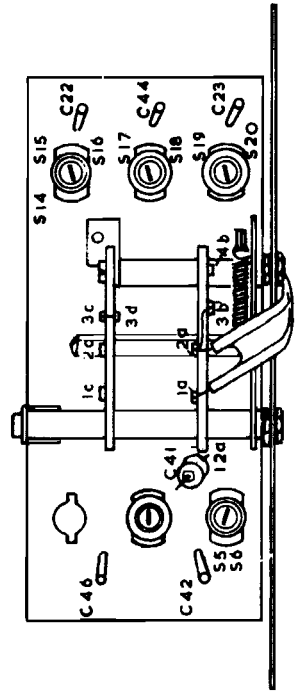
Trimmschema
Adjust diagram

Auteursrecht volgens de wet voorbehouden

FIG. 2 B



Trimschema
Adjust diagram



Auteursrecht volgens de wet voorbehouden

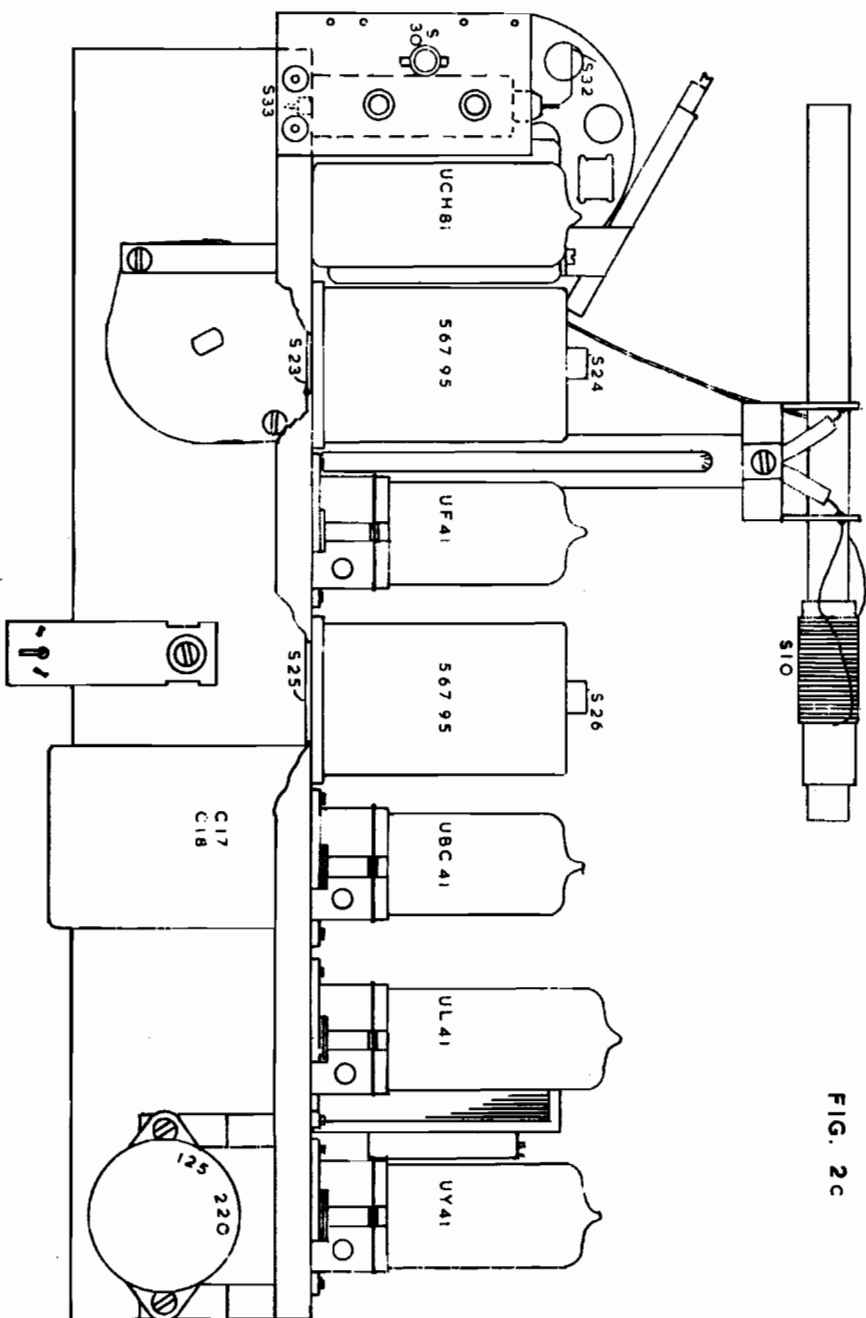
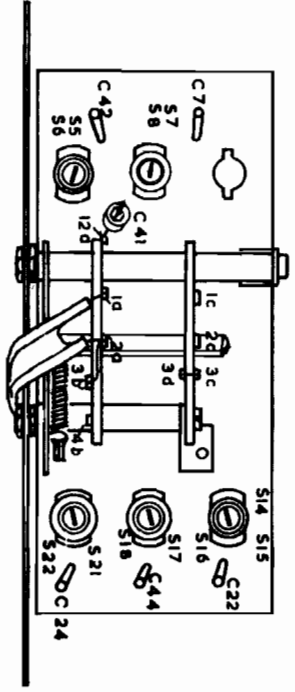


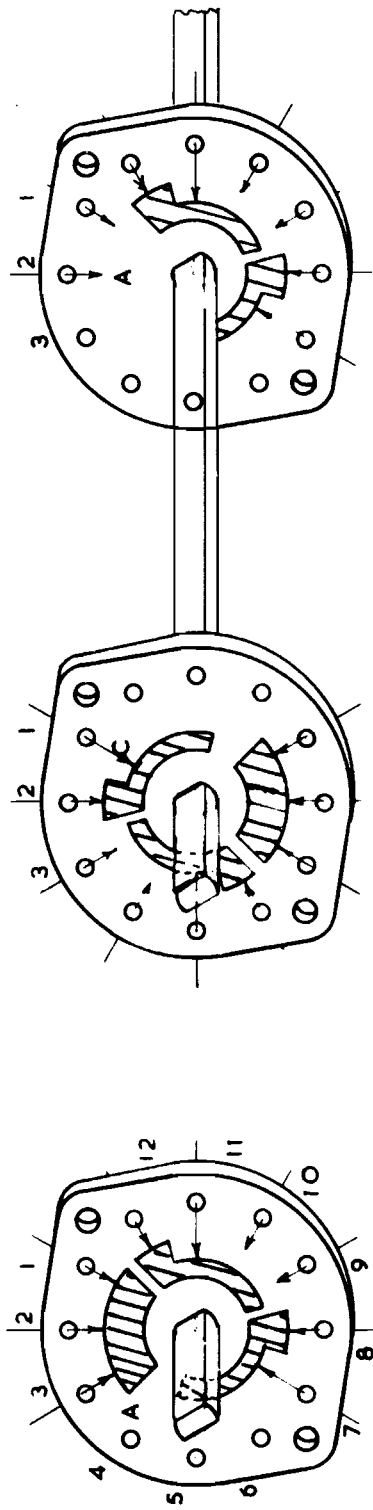
FIG. 2c



Trimschema
Adjust diagram

Auteursrecht volgens de wet voorbehouden

FIG. 3



G3

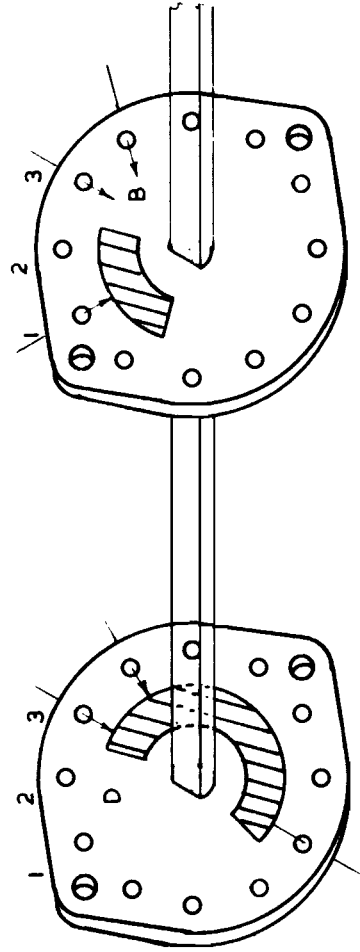
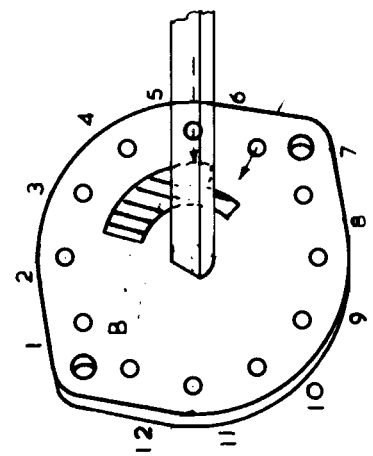
GK977 42

G2

GK977 43

G1

GK 977 69



SHOWN IN POSITION SW (SWI)

VARIABLE CONDENSER IN POSITION
OF MAXIMUM CAPACITY
2-VOUD. CONDENSATOR GEHEEL INGEDRAID

FIG.4

LENGTH OF CORD SPEC. CORD
A = 45 3/8" A = 1153 MM

SMARLENGTE SPEC. KOORD
A = 1153 MM A = 1153 MM

