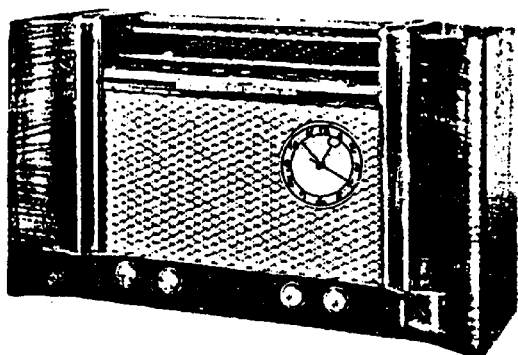


# FRIDOR SERVICE



DOCUMENTATIE  
ONTVANGER  
TYPE 514

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## ALGEMENE GEGEVENS

5 Buizen super met 4 golfbereiken, incl. bandspreiding.

Het apparaat is geschikt voor wisselstroomvoeding, instelbaar op 110, 125, 145, 200, 220 en 245 Volt.

Aansluitingen voor extra luidspreker en pick-up.

De toon is continue regelbaar.

50 mW. gevoeligheid op 1 MHz beter dan 20  $\mu$ V.

Afmetingen en gewicht:

Langte : 650 m/m.  
Diepte : 227 m/m.  
Hoogte : 375 m/m.  
Gewicht : 12 K.G.

Verbruik : ca 47 Watt.

M.F. : 452 KHz.

Golfbereiken:

K.G. 16-52 M.  
B.spr. 24,5-32,5 M.  
M.G. 180-585 M.  
L.G. 693-2000 M.

Buizen en verlichtingslampjes

ECH 42  
EAF 42  
EBC 41  
EL 41  
AZ 41  
EM 4  
8045D-00 (2 stuks)

Bedieningsknoppen:  
(van links naar rechts)

Toonregelaar  
Netschakelaar, volumeregelaar  
Golfbereikschakelaar.

Afstemming.

Voor kant rechts: starterknopje voor klok.

Achterkant: wyzerinstelling voor klok.

T R I M I N S T R U C T I E S

Outputmeter op de extra-luidsprekerbussen aansluiten, volumeregelaar op stand maximum, toonregelaar op scherp, en chassis aarden.

L.F. Kringen

Gemoduleerd signaal van 452 kHz via 32 000 pF op g1 van B1. Alle M.F. IJzerkernen bijna geheel uitdraaien. Afregelen als volgt:

3e MF kring (spoel F boven)  
 4e " ( " F onder) 3e kring met 80pF verstemmen  
 1e " ( " E onder)  
 2e " ( " E boven) 2e kring met 80pF verstemmen

Na het trimmen van een kring mogen de hiervoor afgeregelde kringen niet meer bijgetrimd worden. Kernen aflakken.

M.F. Zuigkring

Gemoduleerd signaal van 452 kHz op antenne-bus. C6 op minimum output afregelen.

Antenne- en Oscillatorringen.

Gemoduleerd signaal op antenne-bus.

| Golfgebied | Frequentie | afregelen op maximum output | opmerkingen        |
|------------|------------|-----------------------------|--------------------|
| K.G.       | 18 MHz     | C25 C9                      | eerst K.G. trimmen |
|            | 5,7        | C24                         |                    |
| B.Spr.     | 12,35      | C18 C13                     |                    |
| M.G.       | 1550 kHz   | C26 C10                     |                    |
|            | 545        | C27                         |                    |
| L.G.       | 405        | C30 C11                     |                    |
|            | 160        | C28                         |                    |

Moet de korte golf worden bijgeregeld, dan dient hierna ook de bandspreiding opnieuw getrimd te worden. Trimmers aflakken.

## S P O E L E N .

|    |        |    |         |    |         |
|----|--------|----|---------|----|---------|
| 1  | 60 Ohm | 11 | 170 Ohm | 21 | 4,5 Ohm |
| 2  | 500    | 12 | 42      | 22 | 3,2     |
| 3  | 2      | 13 | 2       | 23 | 4,5     |
| 4  | 2      | 14 | 1       | 24 | 3,2     |
| 5  | 34     | 15 | 1       | 25 | 4,5     |
| 6  | 2,4    | 16 | 4       | 26 | 3,2     |
| 7  | 1      | 17 | 7       | 27 | 4,5     |
| 8  | 50     | 18 | 8       | 28 | 730     |
| 9  | 2,4    | 19 | 20      | 29 | 730     |
| 10 | 5,5    | 20 | 3,2     | 30 | 1       |
|    |        |    |         | 31 | 4       |
|    |        |    |         | 32 | 7000    |

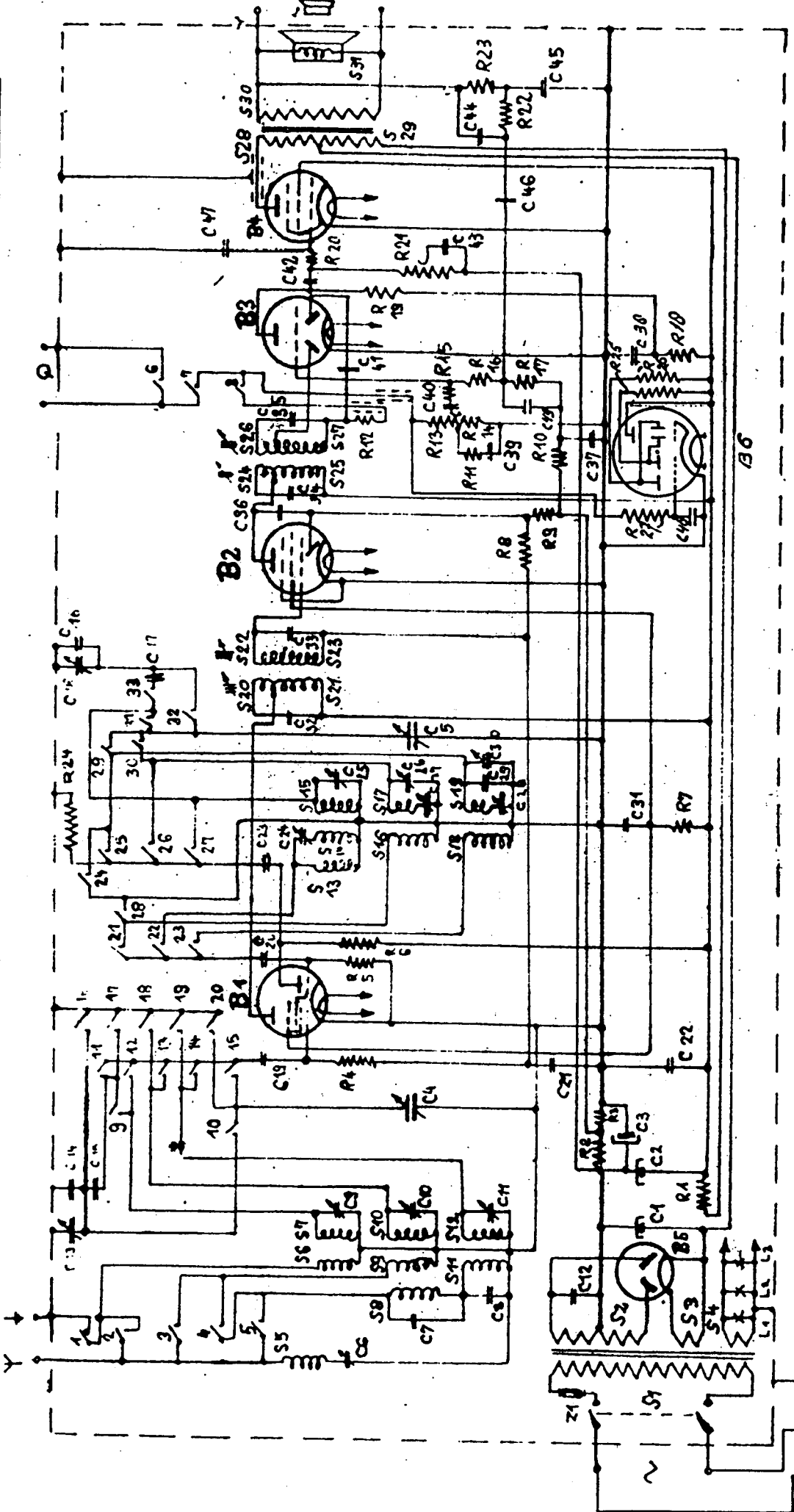
## C O N D E N S A T O R E N .

|    |           |    |         |    |         |
|----|-----------|----|---------|----|---------|
| 1  | 50 uF     | 17 | 235 pF  | 33 | 115 pF  |
| 2  | 50        | 18 | 30      | 34 | 115     |
| 3  | 100       | 19 | 100     | 35 | 115     |
| 4  | 12-492 pF | 20 | 33      | 36 | 22      |
| 5  | 12-492    | 21 | 47 k    | 37 | 0,15 uF |
| 6  | 30        | 22 | 47 k    | 38 | 0,1     |
| 7  | 6,8       | 23 | 220     | 39 | 33 k pF |
| 8  | 39        | 24 | 175     | 40 | 22 k    |
| 9  | 30        | 25 | 30      | 41 | 47      |
| 10 | 30        | 26 | 30      | 42 | 22 k    |
| 11 | 30        | 27 | 400-575 | 43 | 10 k    |
| 12 | 22 k      | 28 | 175     | 44 | 100     |
| 13 | 30        | 29 | 22      | 45 | 680     |
| 14 | 96        | 30 | 30      | 46 | 2,2 k   |
| 15 | 235       | 31 | 47 k    | 47 | 47      |
| 16 | 96        | 32 | 115     | 48 | 0,1 uF  |
|    |           |    |         | 49 | 1 k pF  |

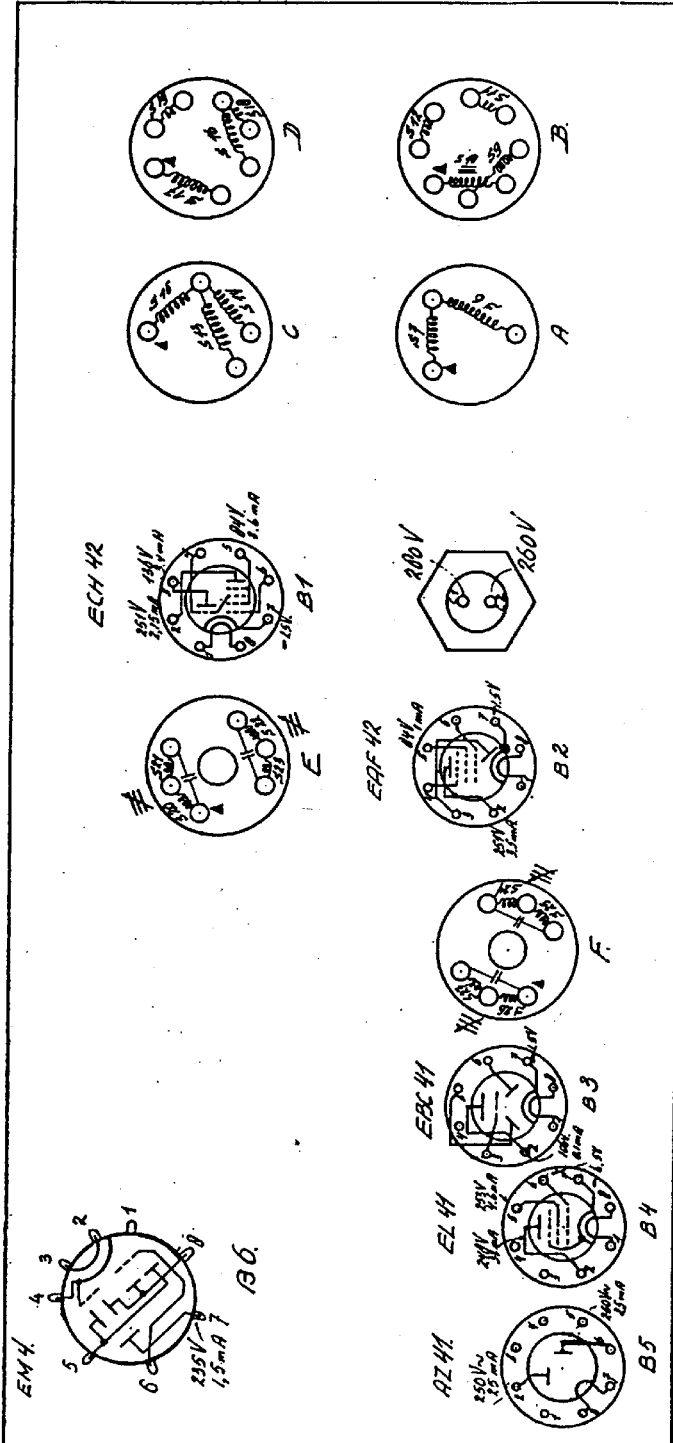
## W E E R S T A N D E N .

|   |           |    |         |    |           |
|---|-----------|----|---------|----|-----------|
| 1 | 1,2 k Ohm | 9  | 1 M Ohm | 17 | 150 k Ohm |
| 2 | 100       | 10 | 1,5 M   | 18 | 820 k     |
| 3 | 33        | 11 | 10 k    | 19 | 220 k     |
| 4 | 820 k     | 12 | 56 k    | 20 | 47 k      |
| 5 | 47 k      | 13 | 275 k   | 21 | 500 k     |
| 6 | 33 k      | 14 | 75 k    | 22 | 180 k     |
| 7 | 34 k      | 15 | 47 k    | 23 | 220 k     |
| 8 | 1 M       | 16 | 1,5 M   | 24 | 68 k      |
|   |           |    |         | 25 | 1 M       |
|   |           |    |         | 26 | 1 M       |
|   |           |    |         | 27 | 2,2 M     |

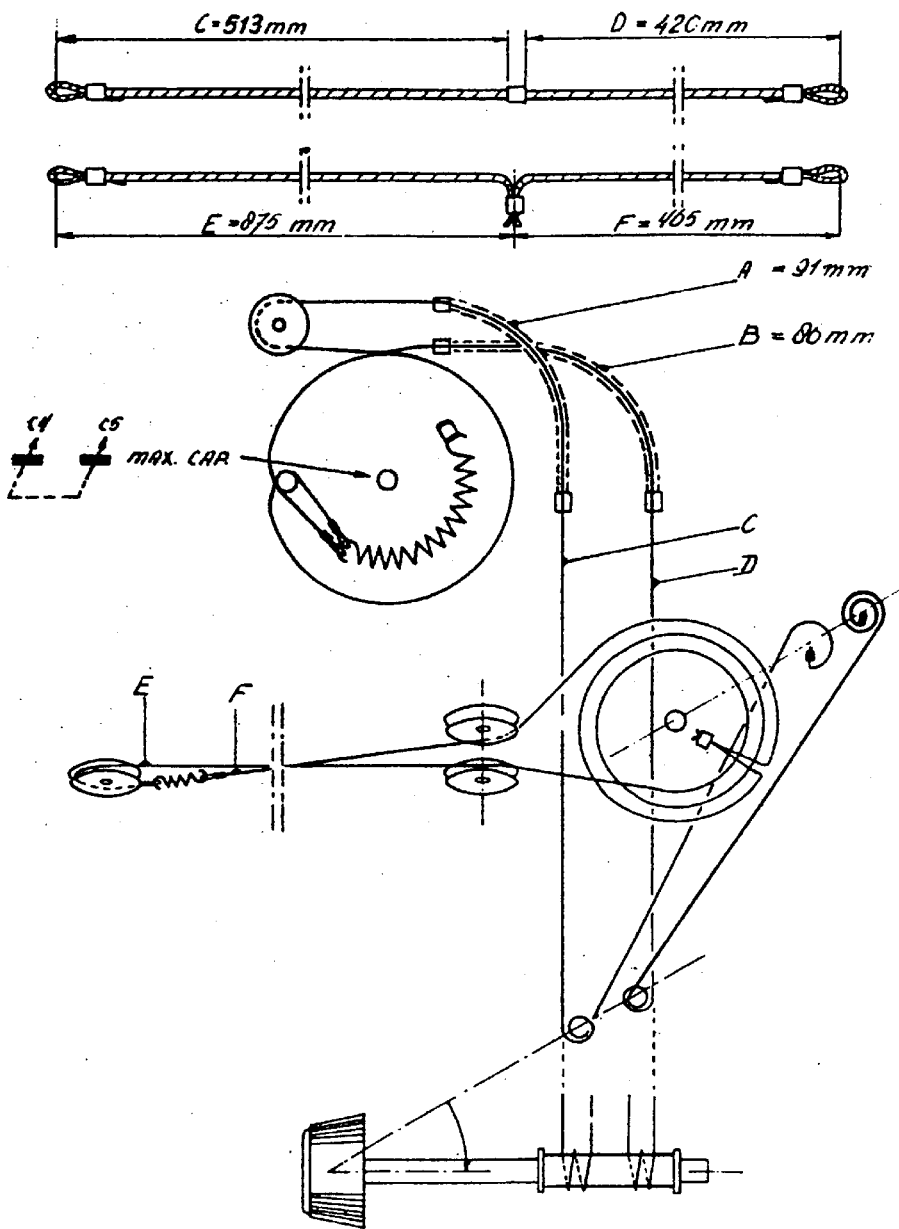
22. 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27  
 S: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12  
 C: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



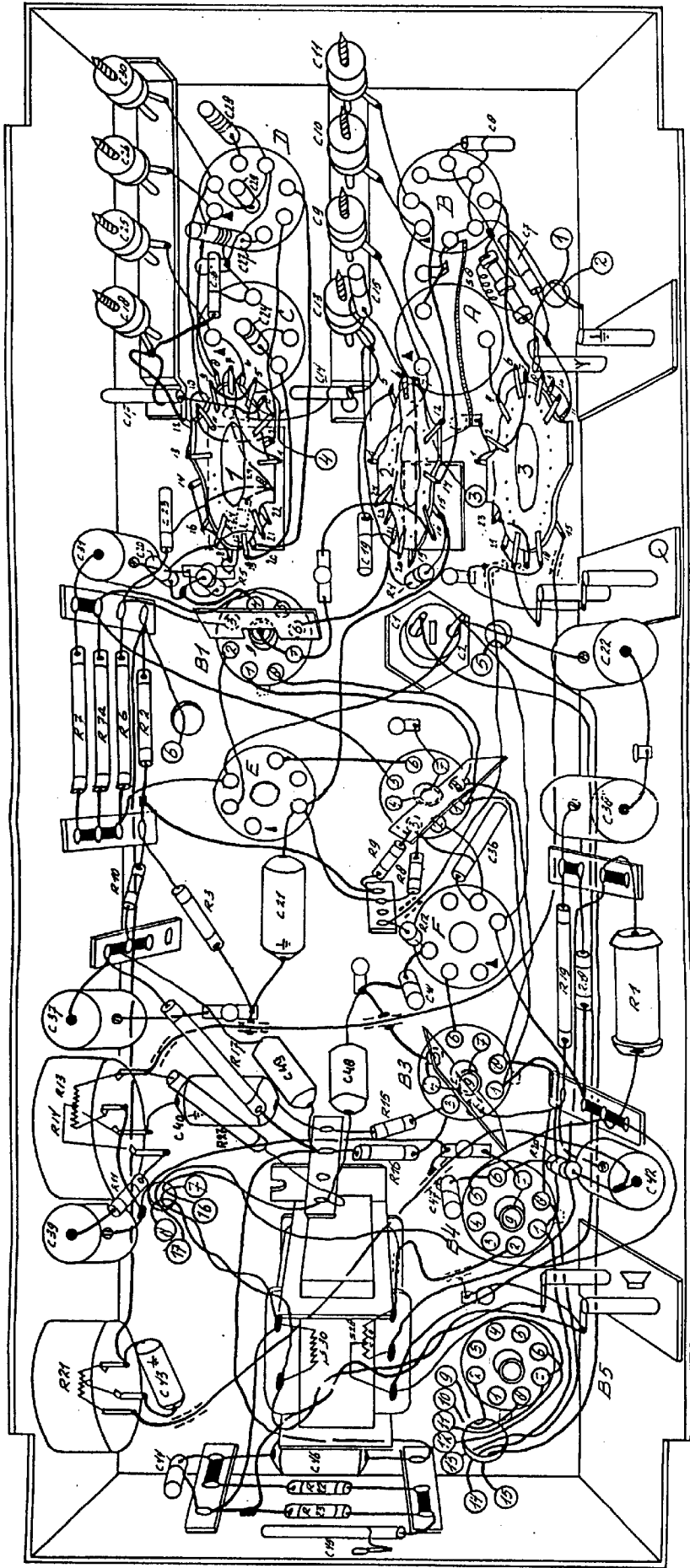
| Segment 1 |   |   |   |   |   |   |   |   |    | Segment 2 |    |    |    |    |    |    |    |    |    | Segment 3 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----------|---|---|---|---|---|---|---|---|----|-----------|----|----|----|----|----|----|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 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 |
| BSP       | • | • | • | • | • | • | • | • | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  |
| K.G.      | • | • | • | • | • | • | • | • | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  |
| M.C.      | • | • | • | • | • | • | • | • | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  |
| L.G.      | • | • | • | • | • | • | • | • | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  |
| Gr.       | • | • | • | • | • | • | • | • | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •         | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  | •  |



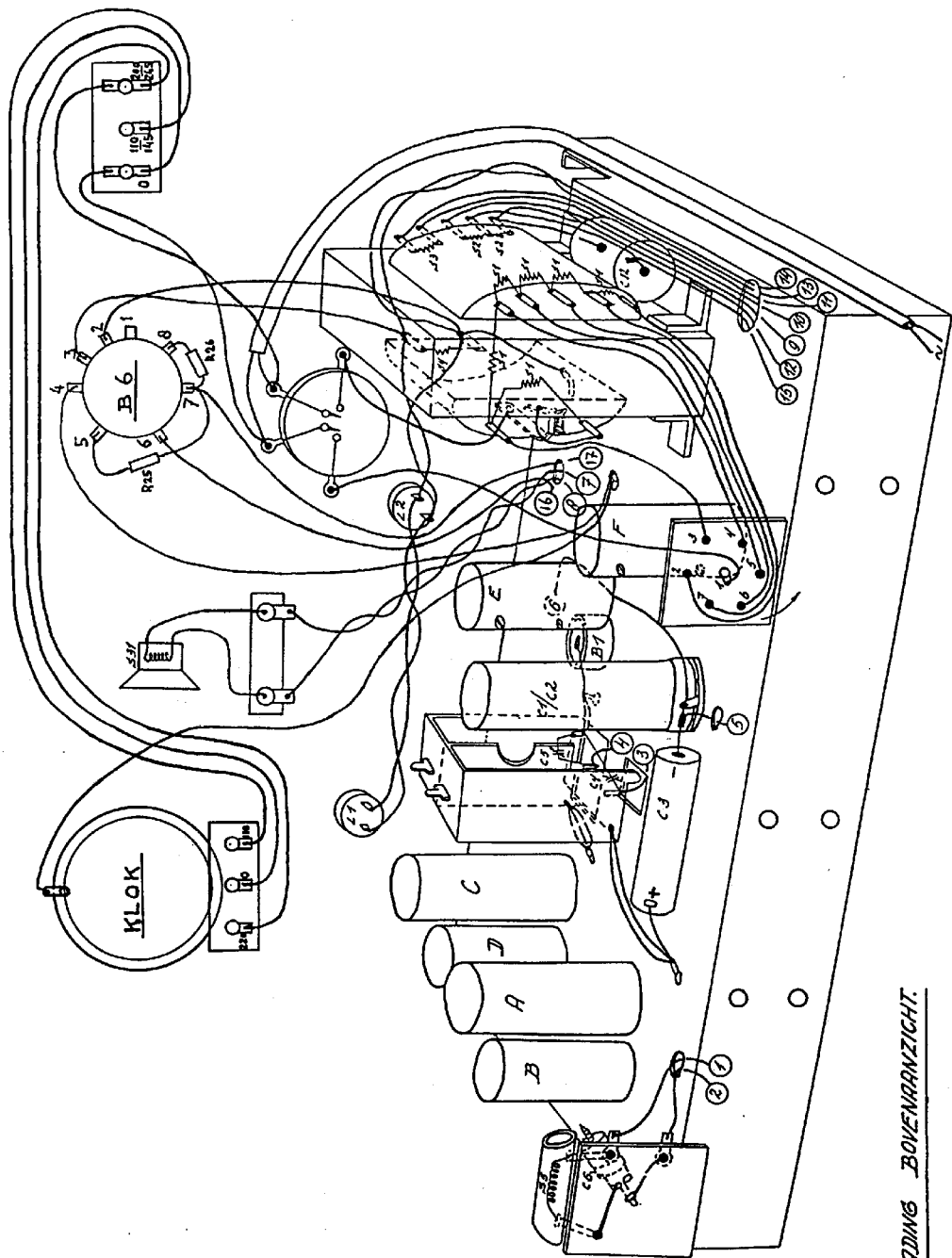
De vermelde stromen en spanningen zijn gemeten op middengolf, zonder signaal, afstemcondensator op maximum. De spanningen zijn gemeten t.o.v. het chassis met een voltmeter van 2.000 Ohm/Volt bij een meetbereik van 250 Volt.



- S: 28, 29, 30
- C: 45, 46, 46, 23, 22
- R: 39, 47, 42, 11, 20, 16, 14, 15, 17, 19, 18, 1, 12, 3, 10, 8, 9, 7, 7a, 6, 2,
- F: 40, 48, 49, 37, 41, 21, 36, 38
- E: 20, 31, 28, 23, 22, 1, 2, 5, 4, 24,
- A, C, 8, B, D, 14, 17, 24, 18, 13, 15, 7, 16, 25, 27, 29, 26, 14, 28, 0, 30, 11,



BEDRADING ONDERAANZICHT.



BEDRIJF BOVENAANZICHT.