

EDIÇÃO REVISTA E MELHORADA

MANUAL DE CIRCUITOS

68

DOS CIRCUITOS
MAIS PROCU-
RADOS PARA O
CONSERTO DE
RECEPTORES
COMERCIAIS

EDIÇÕES MONITOR

9.^a EDIÇÃO
1968

Editado pelo

INSTITUTO RADIO TÉCNICO MONITOR S.A.

Fundado em 1939

O maior estabelecimento de ensino técnico por correspondência da
América Latina

Rua dos Timbiras, 263 — São Paulo — End. Electr.: "INSTRUTOR"
Caixa Postal 30.277

IN
RL
TL

I^a PARTE

APARELHOS COM VÁLVULAS

Litec

livraria técnica •

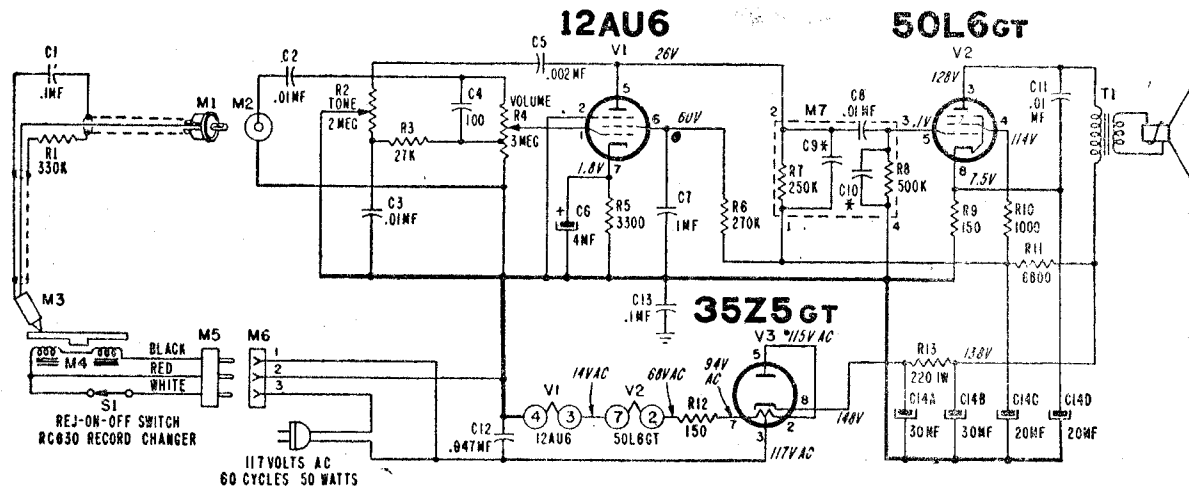
R. STA. IFIGÊNIA 180

TEL. : 34-3101

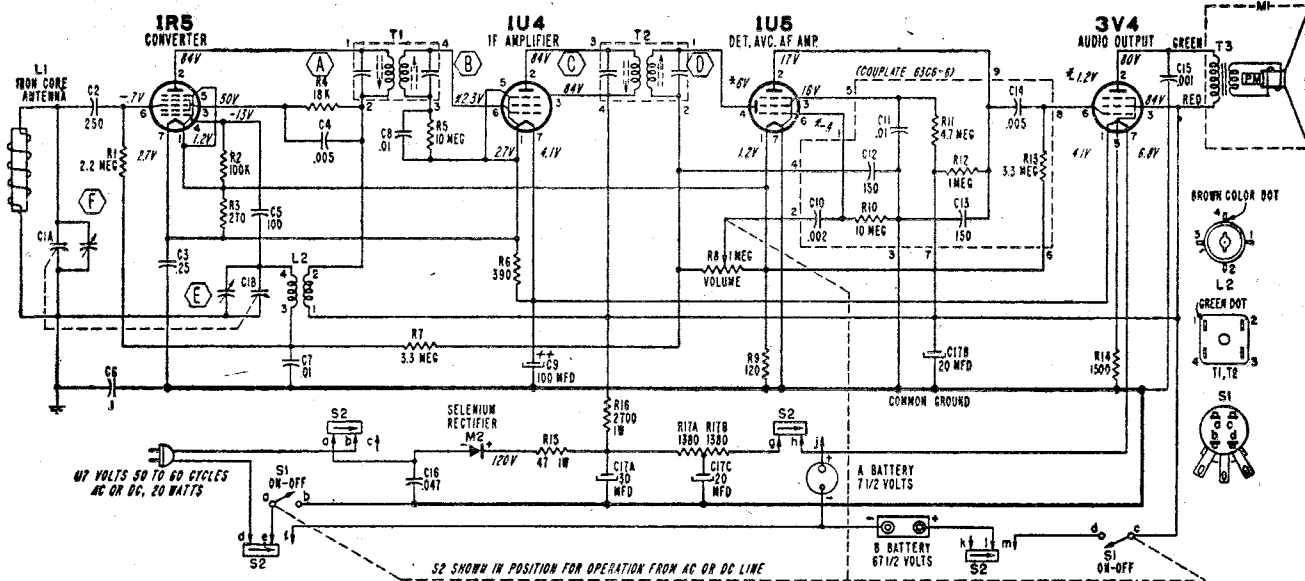
CAIXA POSTAL 30.869

SÃO PAULO

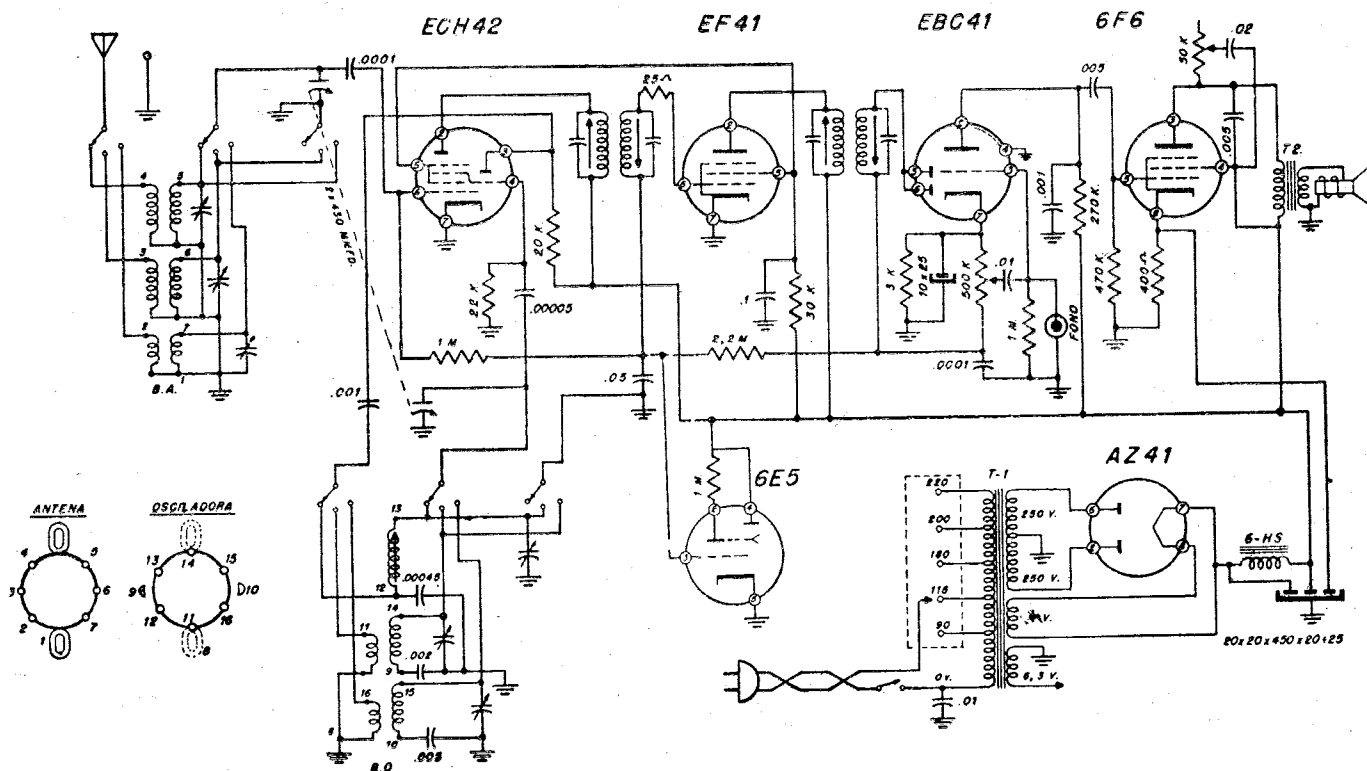
ADMIRAL, Modelo: 3G18



Amplificador

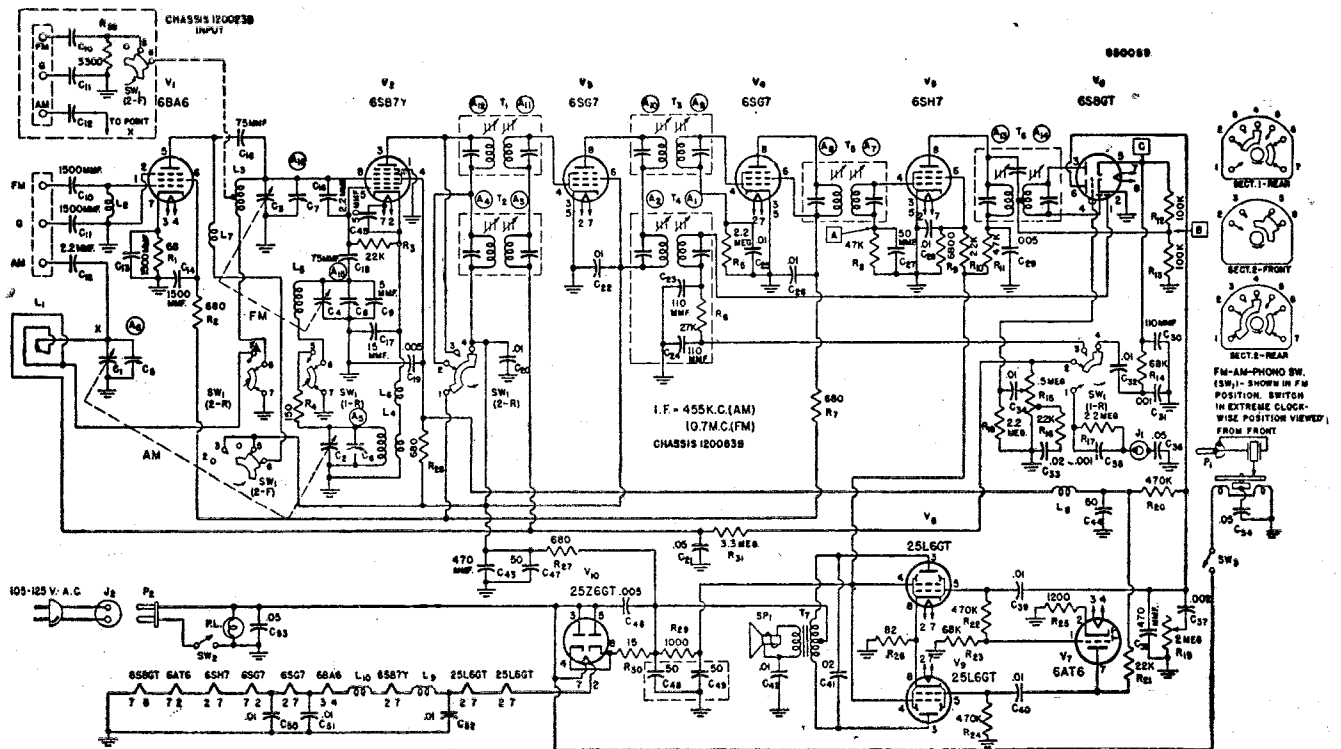


F.I. = 455 KHZ.



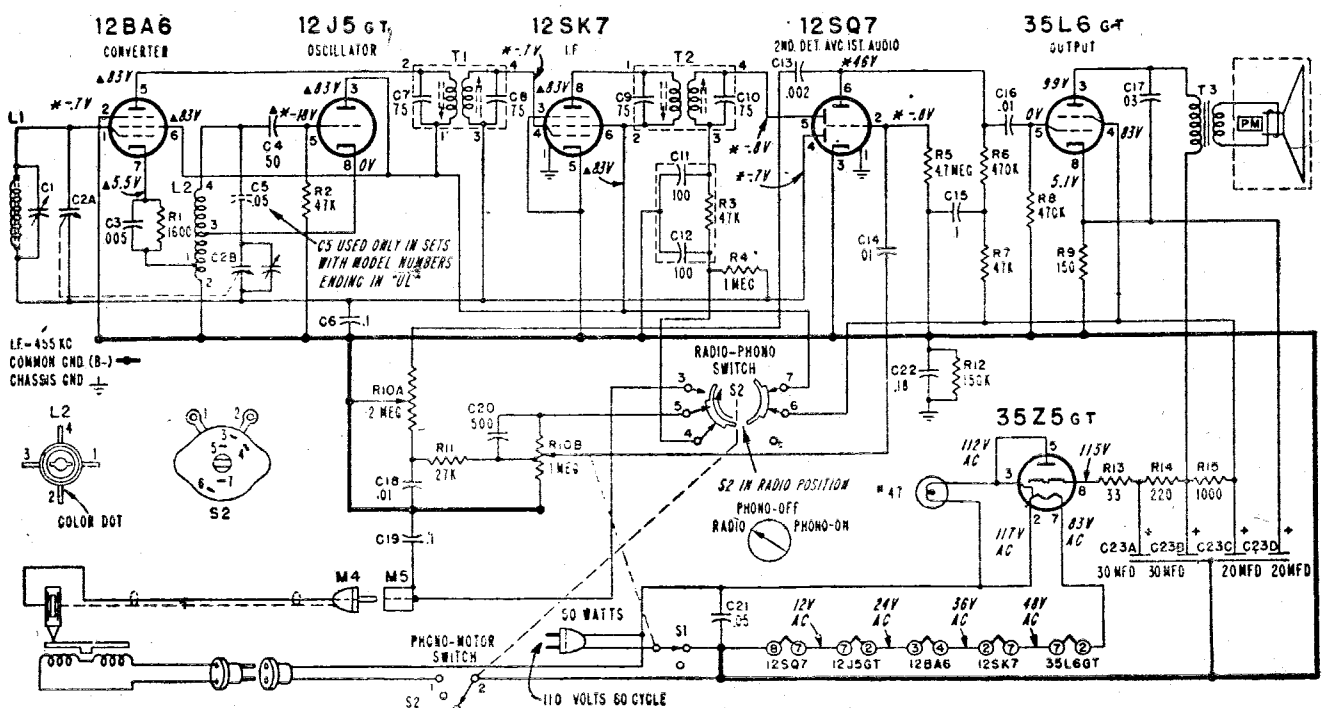
F.I. = 455 KHZ.

EMERSON, Modelo: 586



F.I. (AM) = 455 KHz.
F.I. (FM) = 10,7 MHz.

ADMIRAL, Modelos: 6J21, 6J22

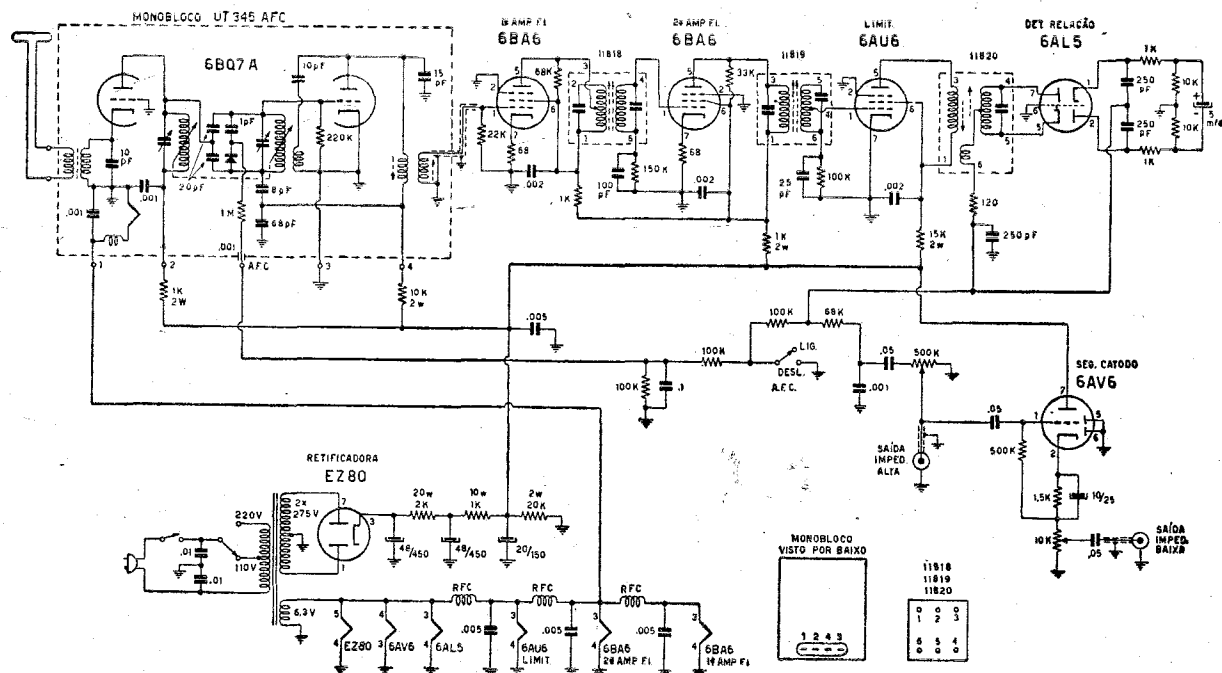


F.I. = 455 KHz.

The schematic diagram illustrates a vacuum tube radio receiver circuit. The power supply section at the bottom includes a selenium rectifier, a 100K resistor (R1), a 1000 ohm resistor (R12), and a 1500 ohm resistor (R13). The B-BATTERY and A-BATTERY are connected to the circuit. The 1R5 CONV. tube is connected to the B-BATTERY and the A-BATTERY. The 1U4 I-F AMPL. tube is connected to the B-BATTERY and the A-BATTERY. The 1S5 DET., AVC 1ST A.F. tube is connected to the B-BATTERY and the A-BATTERY. The 3Q4 AUDIO OUTPUT tube is connected to the B-BATTERY and the A-BATTERY. The circuit includes various capacitors (C1 through C17) and resistors (R1 through R11) with their respective values and connections. The schematic also shows a 100K resistor (R1) and a 1000 ohm resistor (R12) connected to the B-BATTERY. The A-BATTERY is connected to the 3Q4 AUDIO OUTPUT tube. The circuit is powered by a B-BATTERY and an A-BATTERY. The schematic also shows various capacitors (C1 through C17) and resistors (R1 through R11) with their respective values and connections.

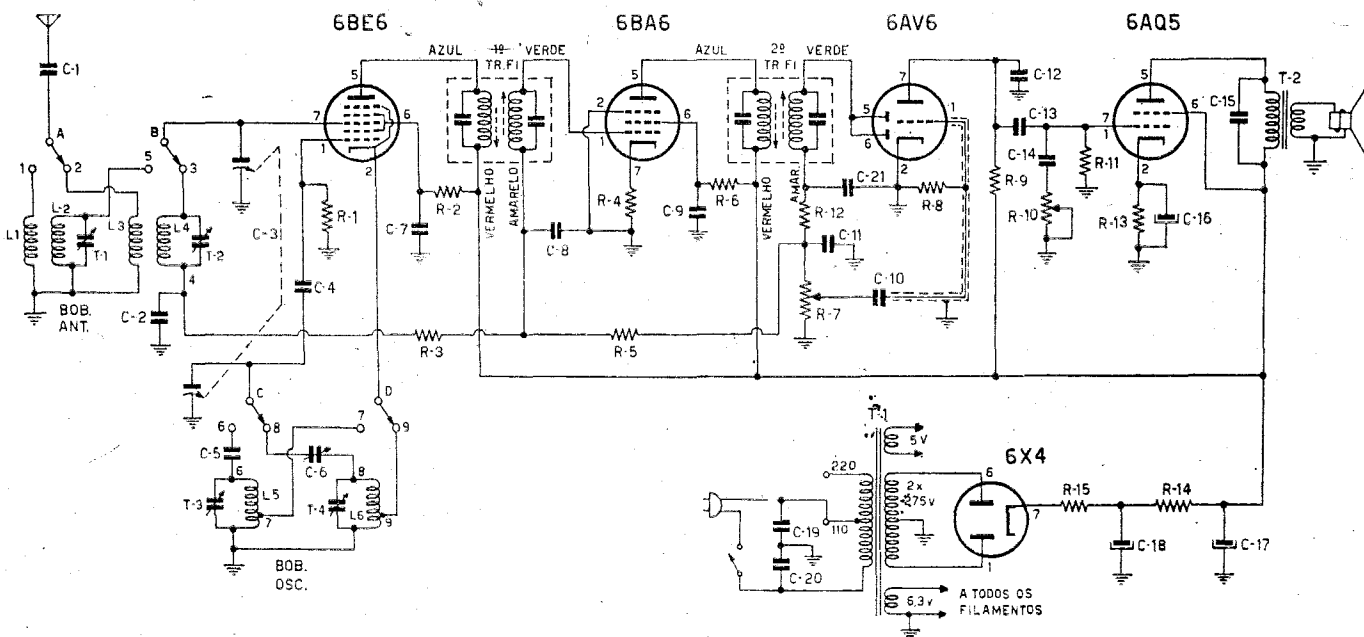
F.I. = 455 KHz.

COMANDO, sintonizador de FM

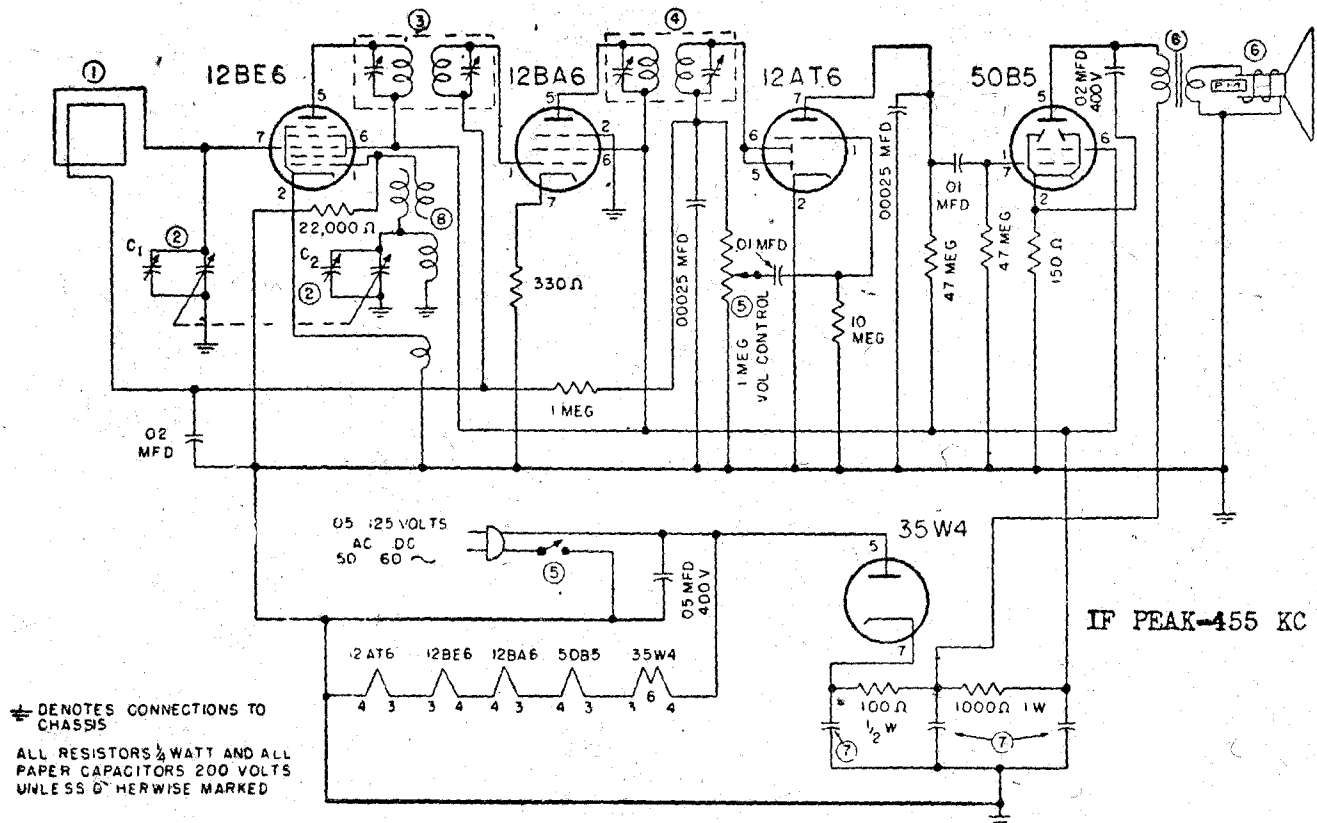


F.I. = 10,7 MHz.

CRT, Modelo: JH-132 AC



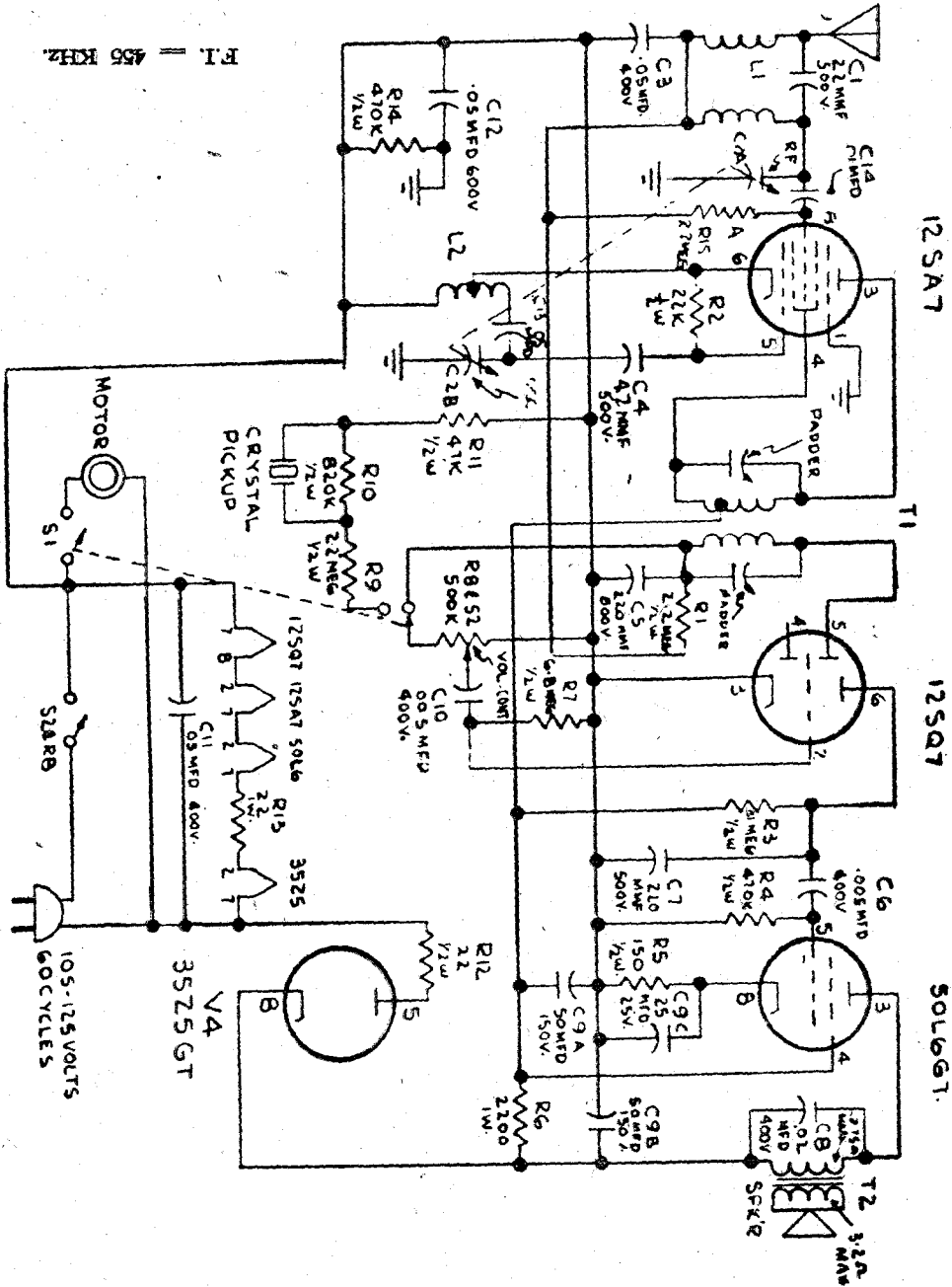
GAROD, Modelo: 5A-1



⚡ DENOTES CONNECTIONS TO CHASSIS

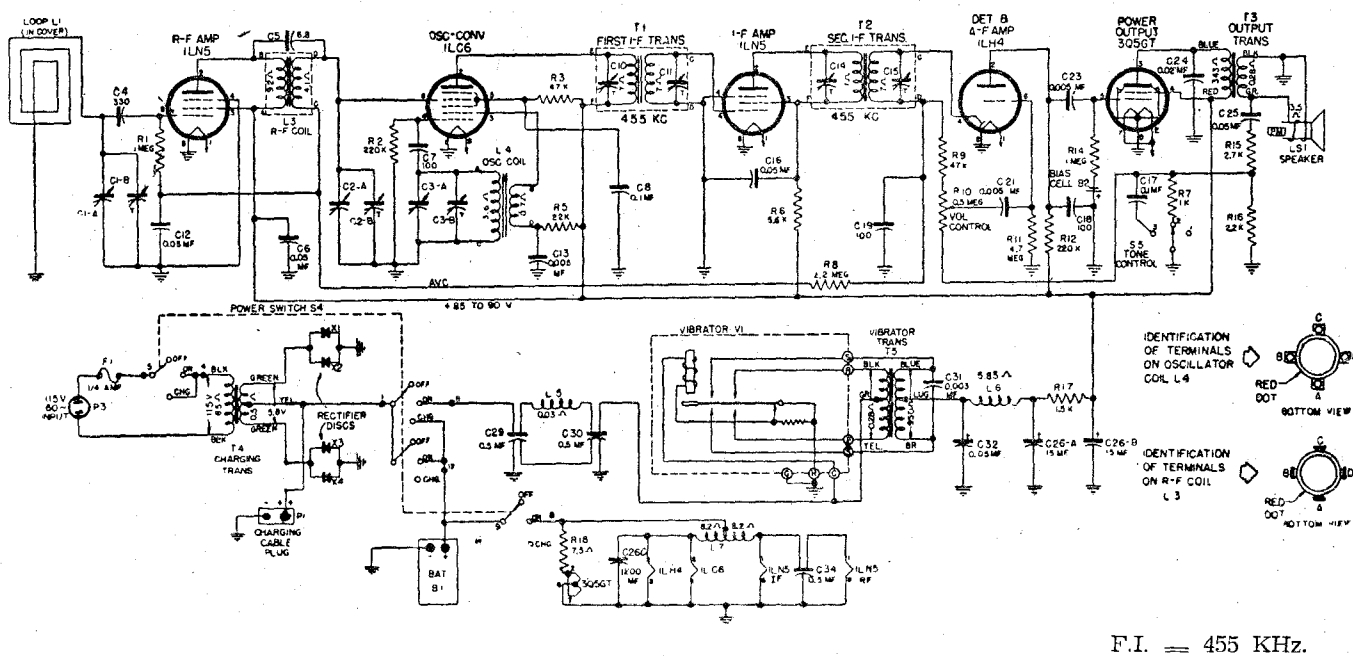
ALL RESISTORS 1/4 WATT AND ALL
PAPER CAPACITORS 200 VOLTS
UNLESS OTHERWISE MARKED

GENERAL ELECTRIC, Modelo: 45J3A1



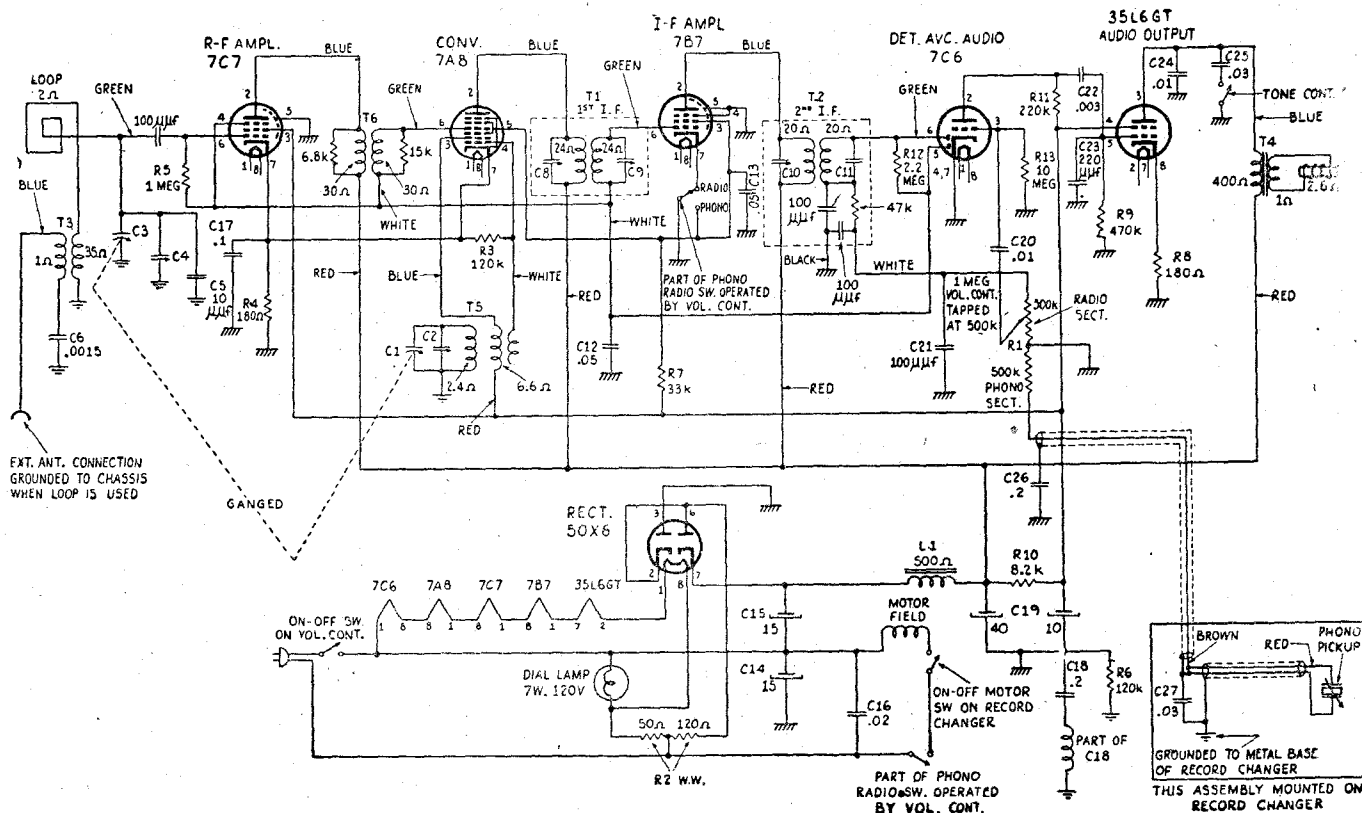
F.I. = 456 KHz.

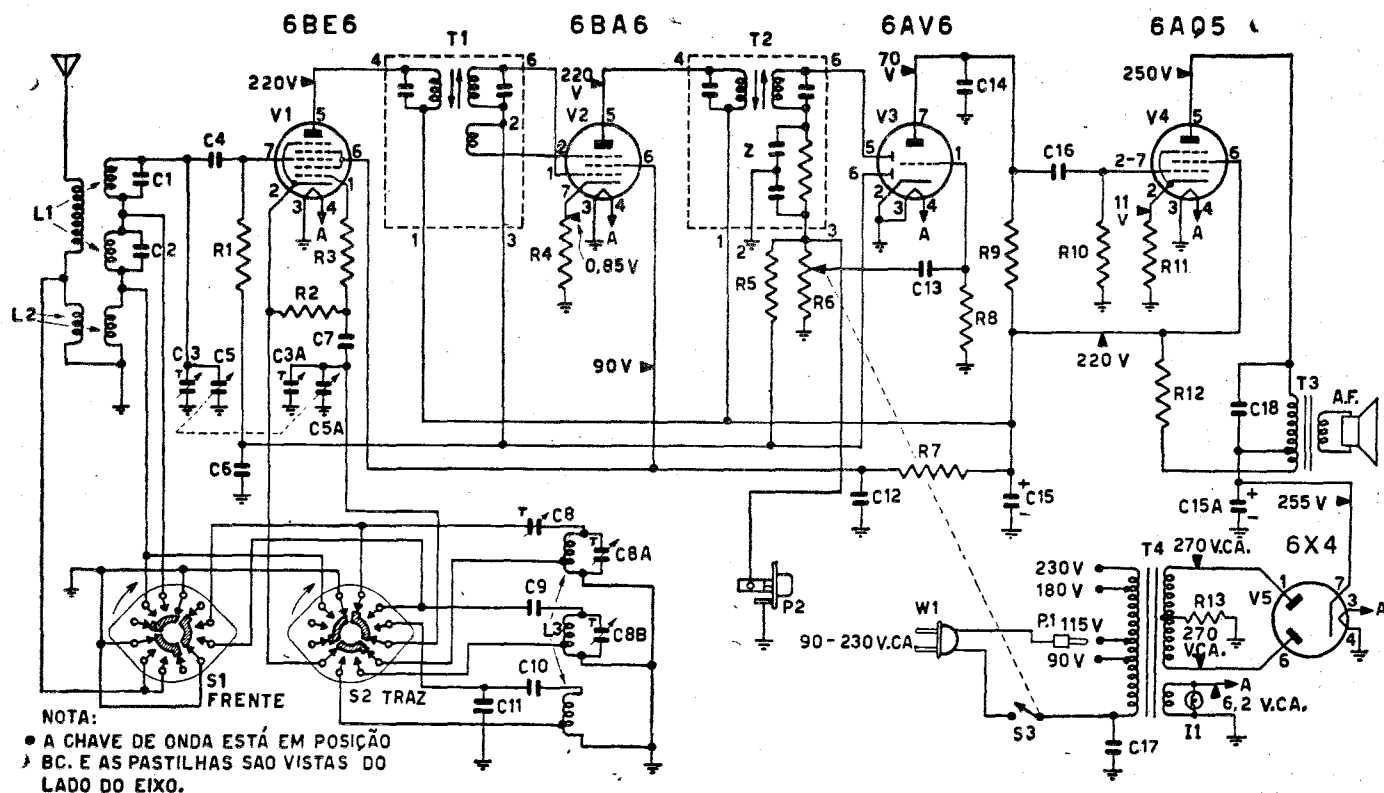
GENERAL ELECTRIC, Modelo: 250



F.I. = 455 KHz.

PHILCO, Modelo: 46-1203

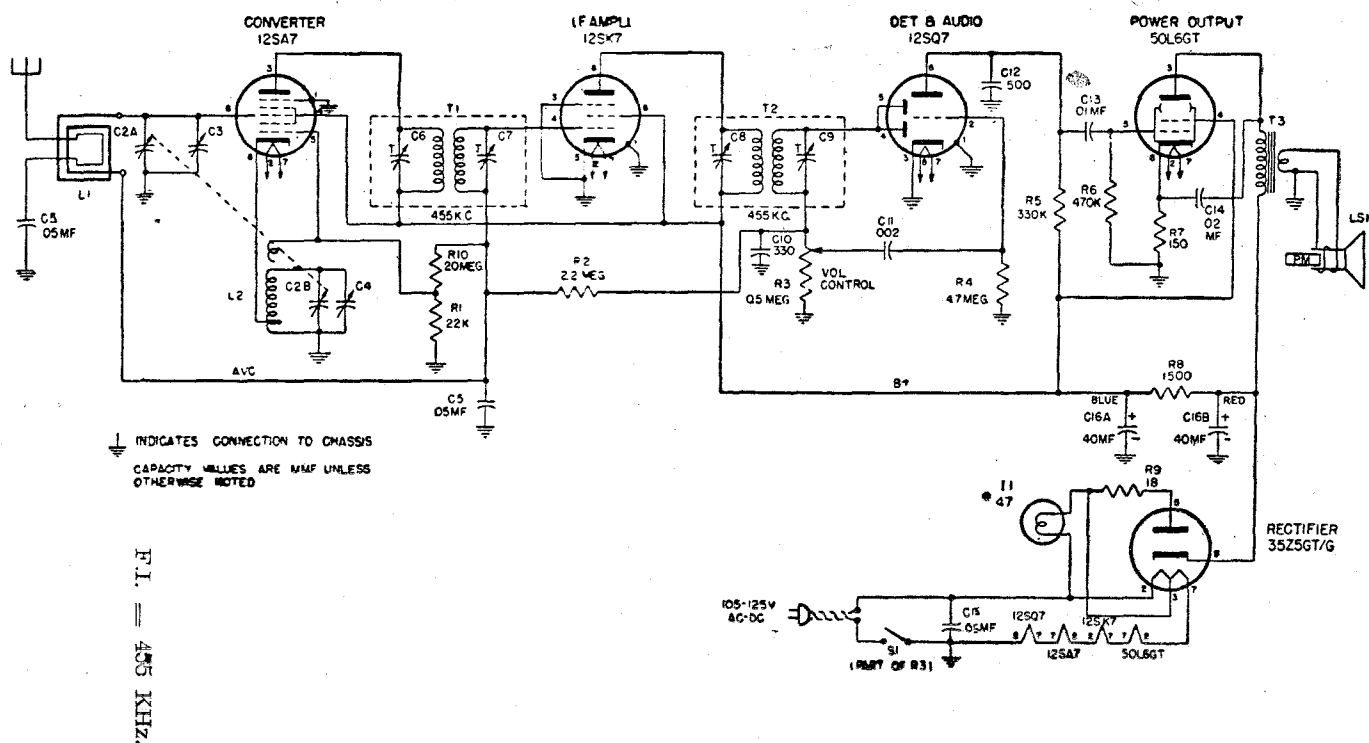




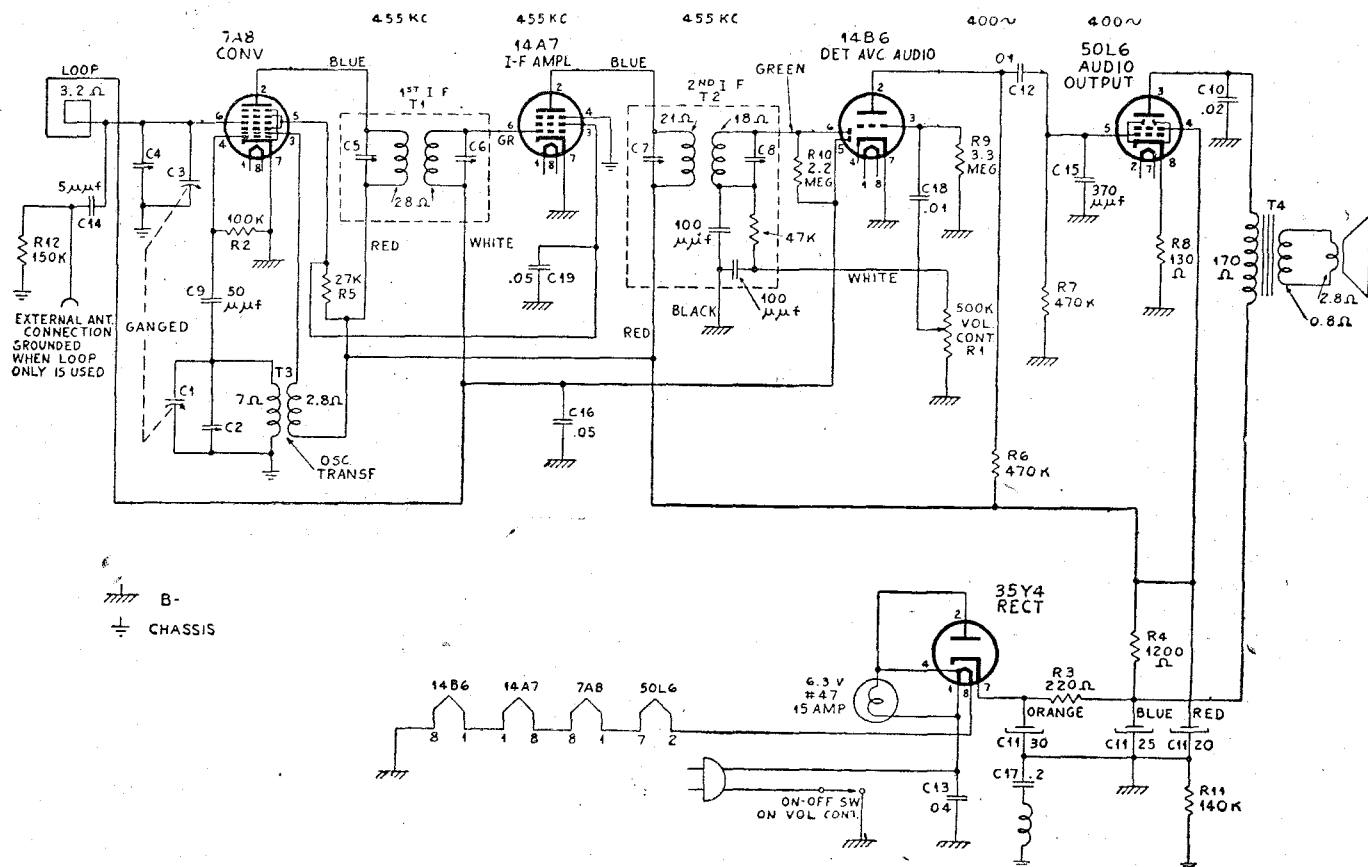
PHILCO, Modelos: B-411, B-412

F.I. = 455 KHz.

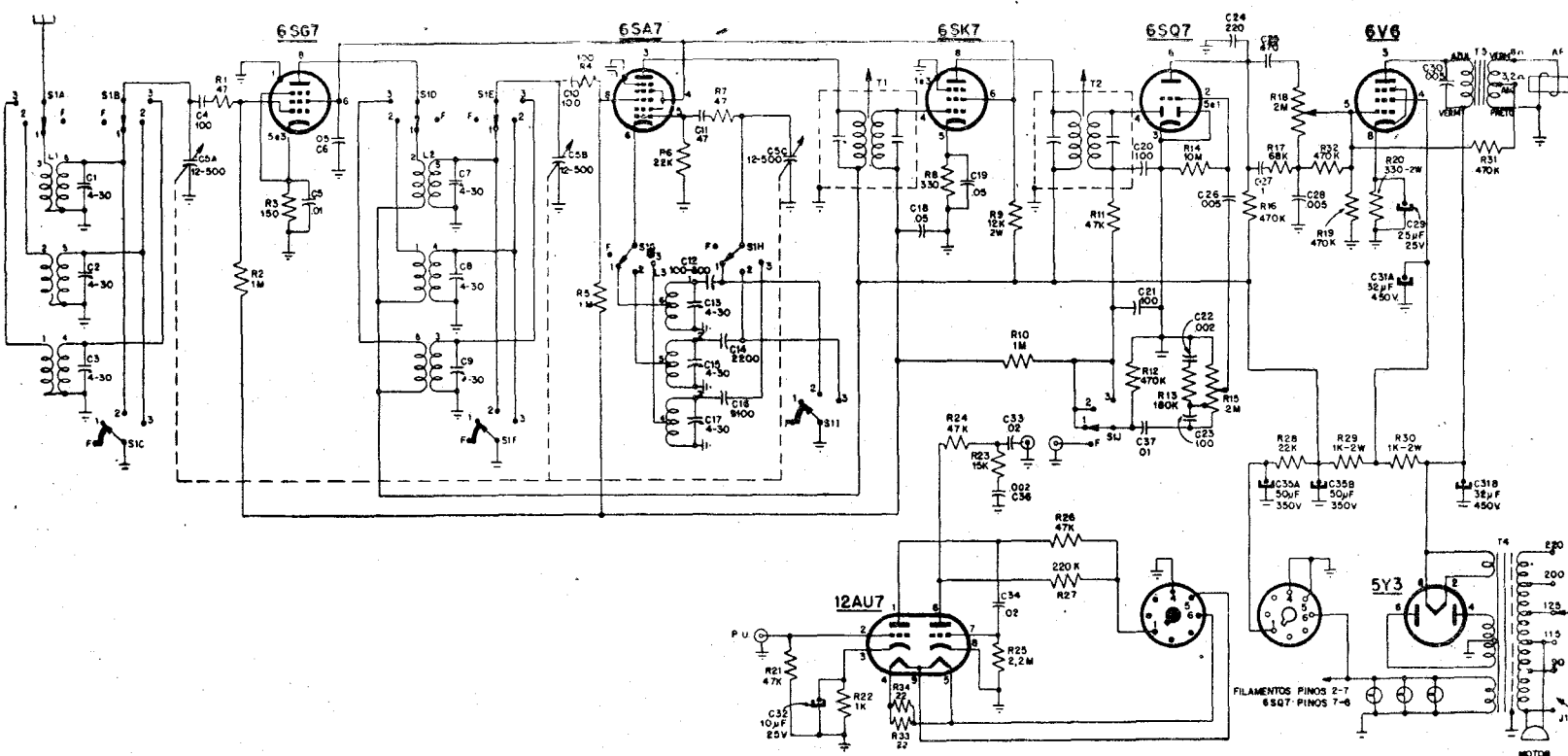
GENERAL ELECTRIC, Modelo: 110-111



PHILCO, Modelo: 46-200

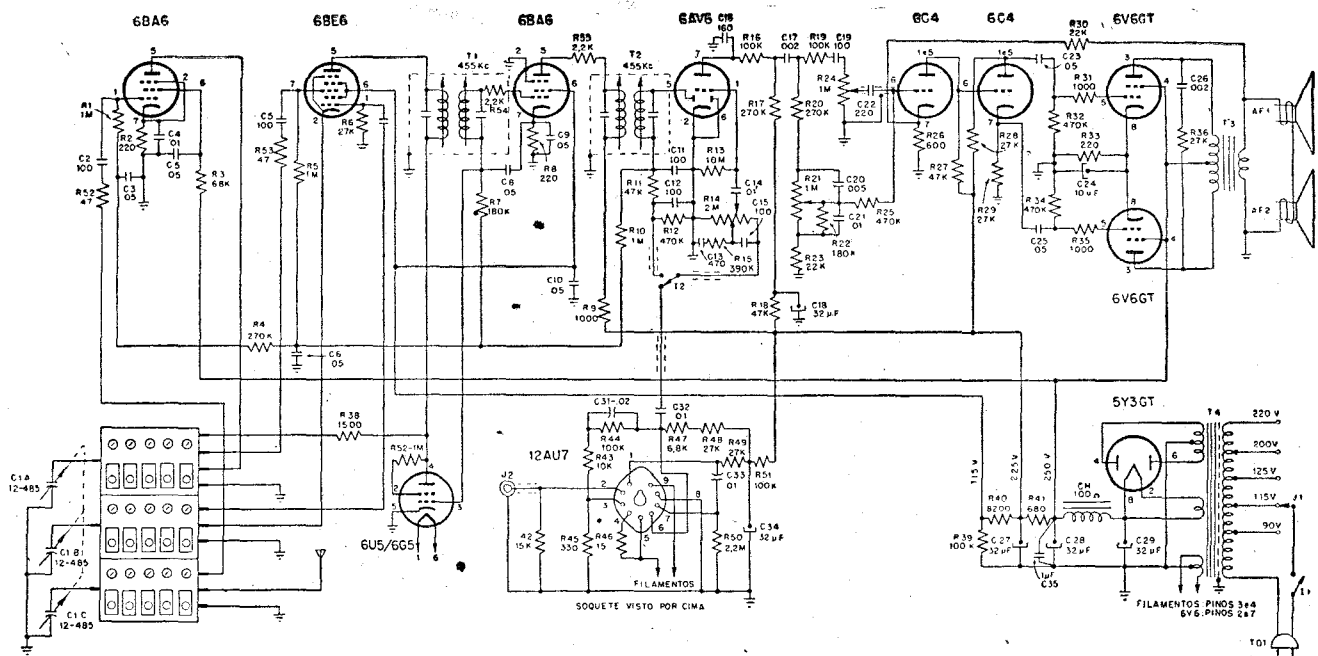


F.I. = 455 KHz.



GENERAL ELECTRIC, Modelo: MF-114

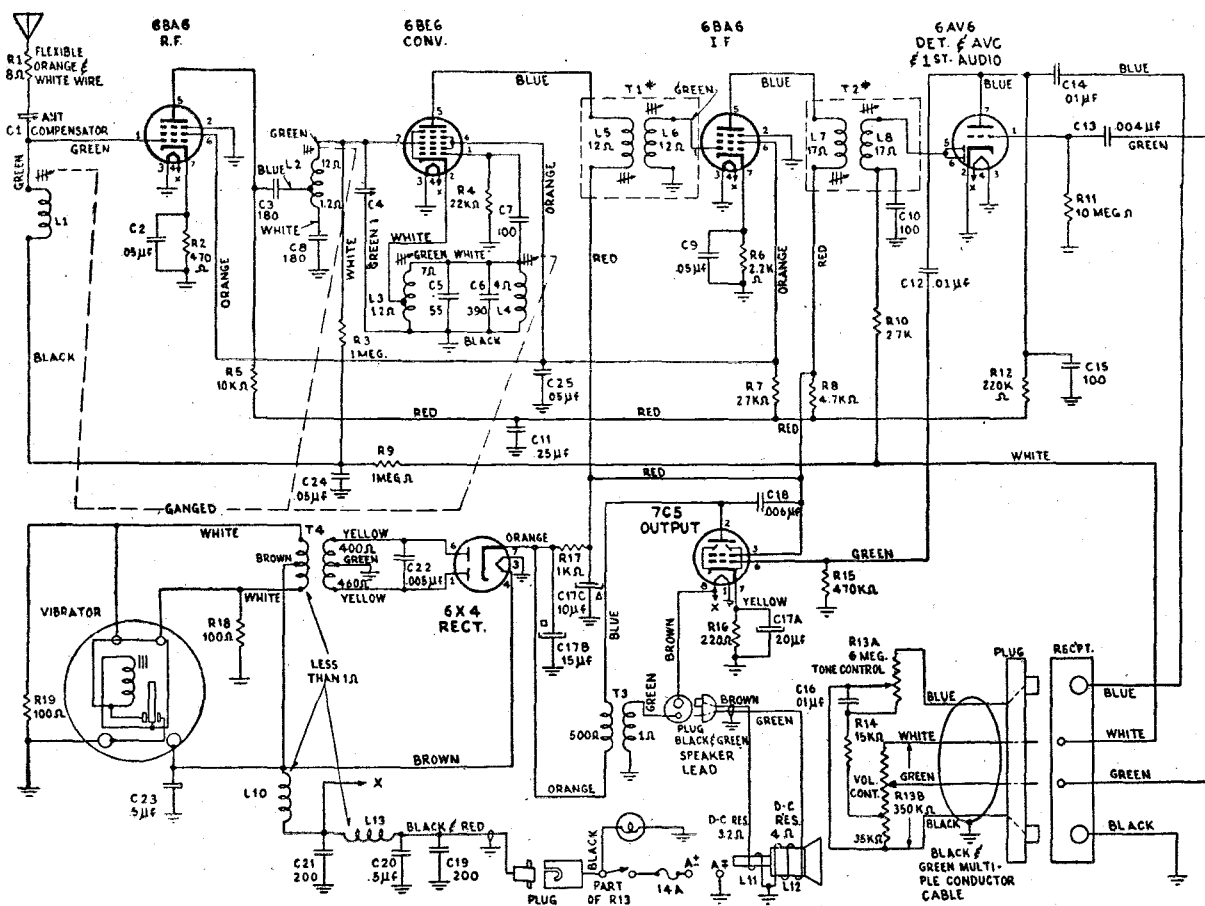
GENERAL ELECTRIC, Modelo: MF2510



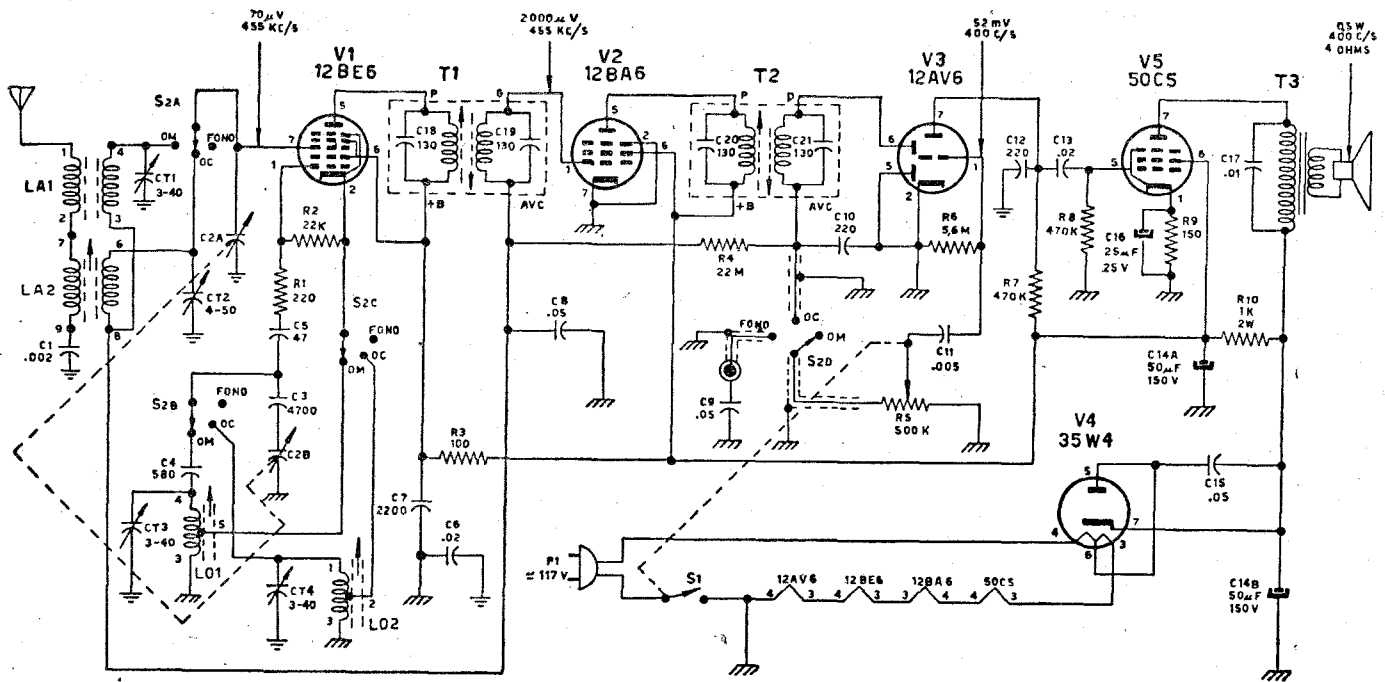
F.I. = 455 KHz.

PHILCO, Modelo: CR-6

F.I. = 455 KHz.



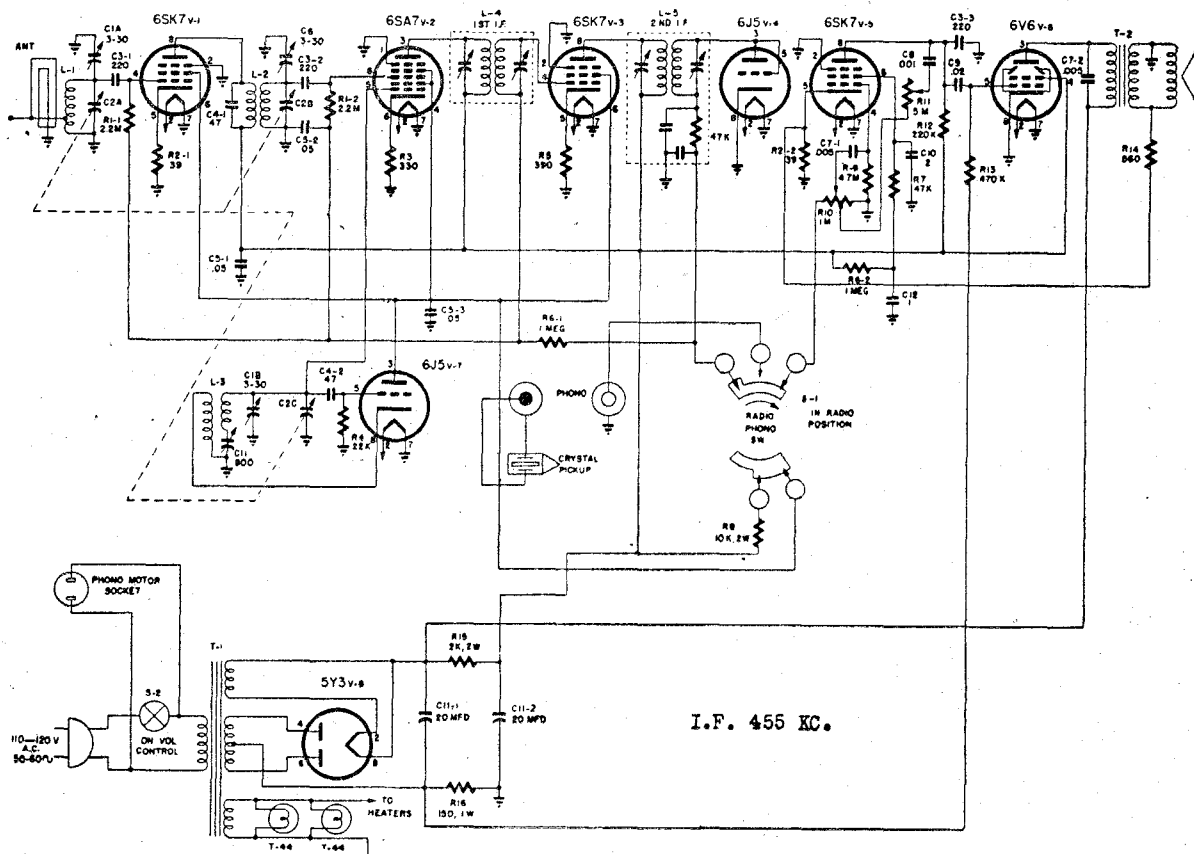
Nota: Os terminais OC e OM de S_{2D} deverão ser interligados.



GENERAL ELECTRIC, Modêlo: MSR-019 - 115V

F.I. = 455 KHz.

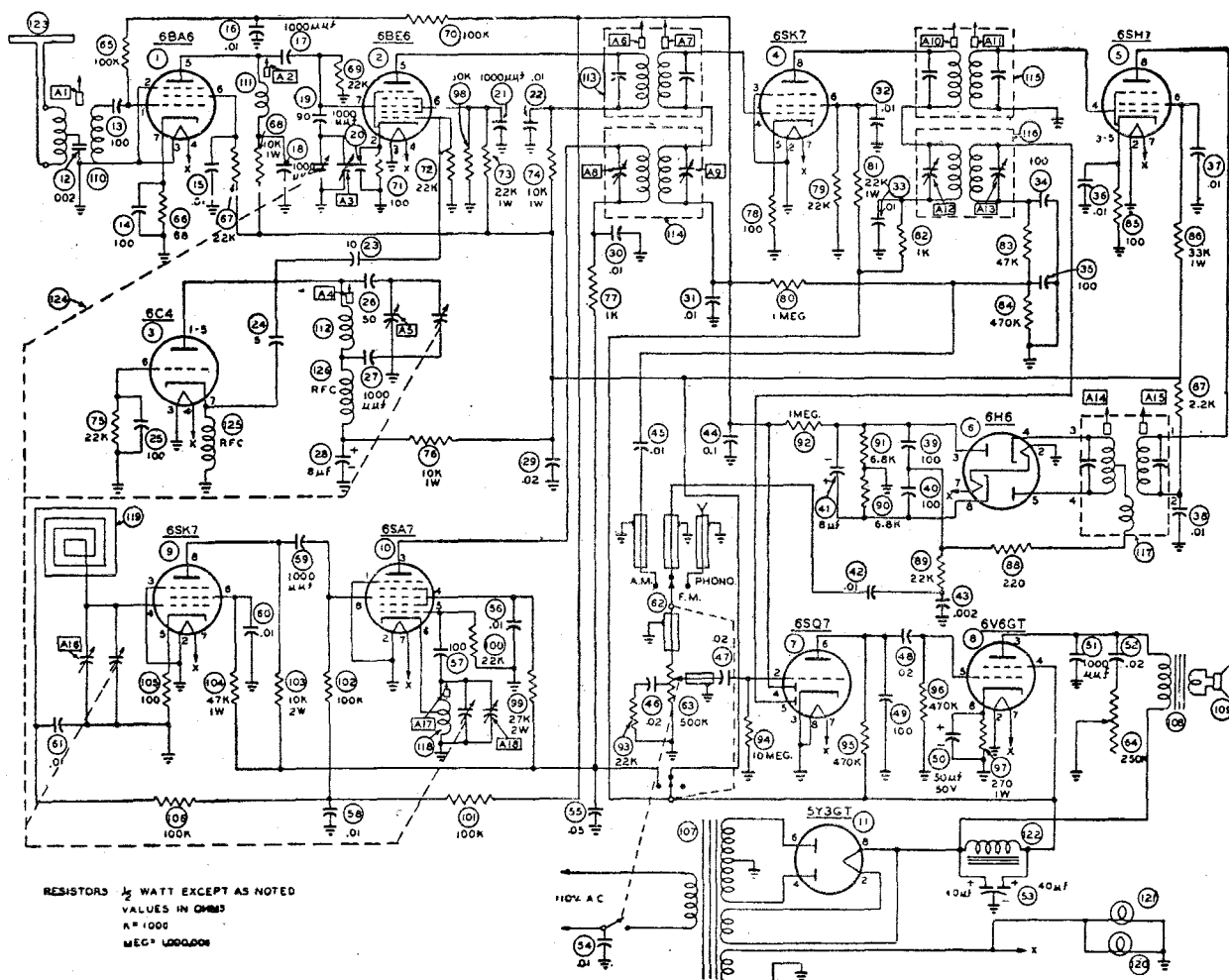
PACKARD-BELL, Modelos: 673A, 673B e 880



I.F. 455 KC.

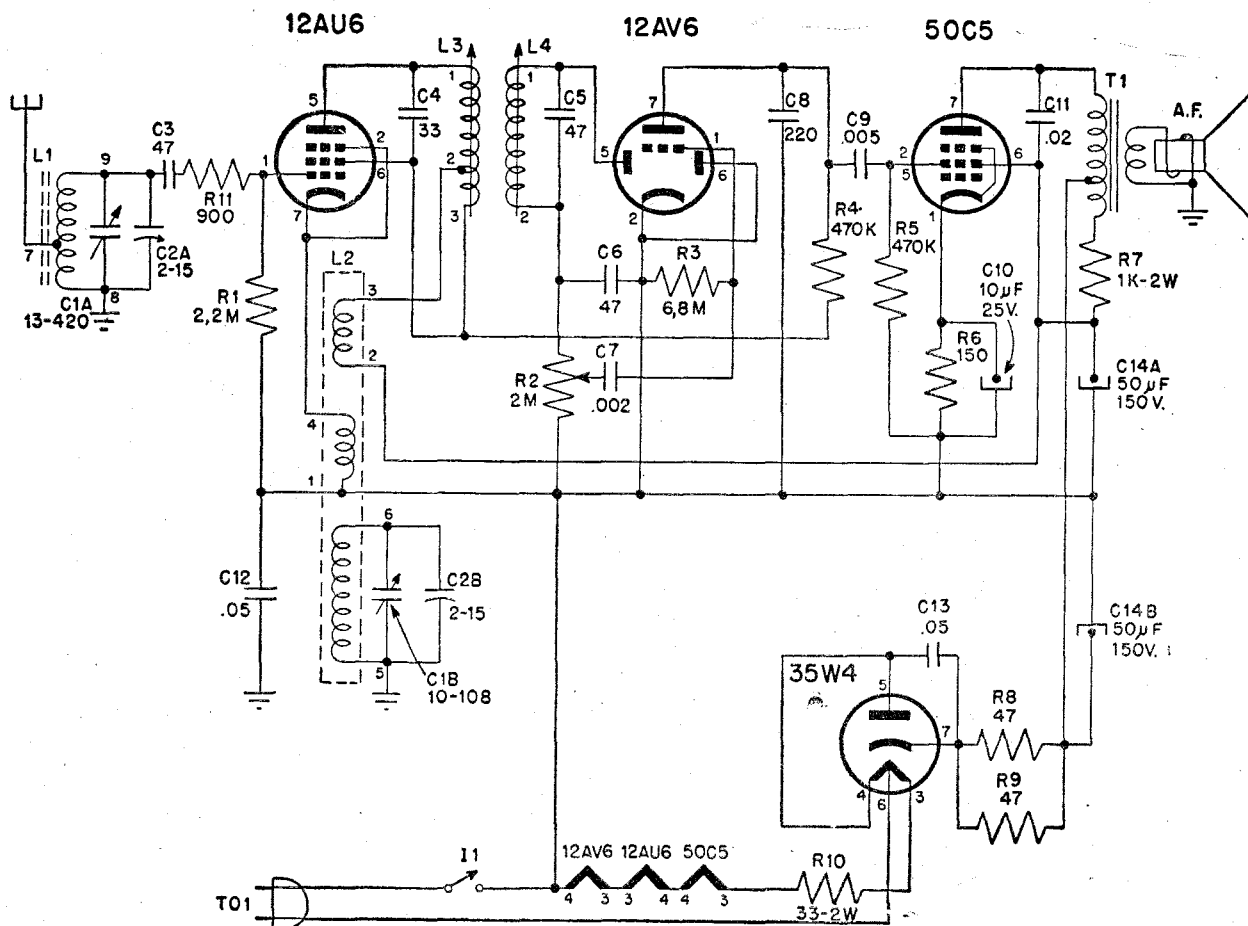
F.I. = 455 KHz.

F.I. = 455 KHZ. (A.M.) e 10,7 MHz (F.M.)



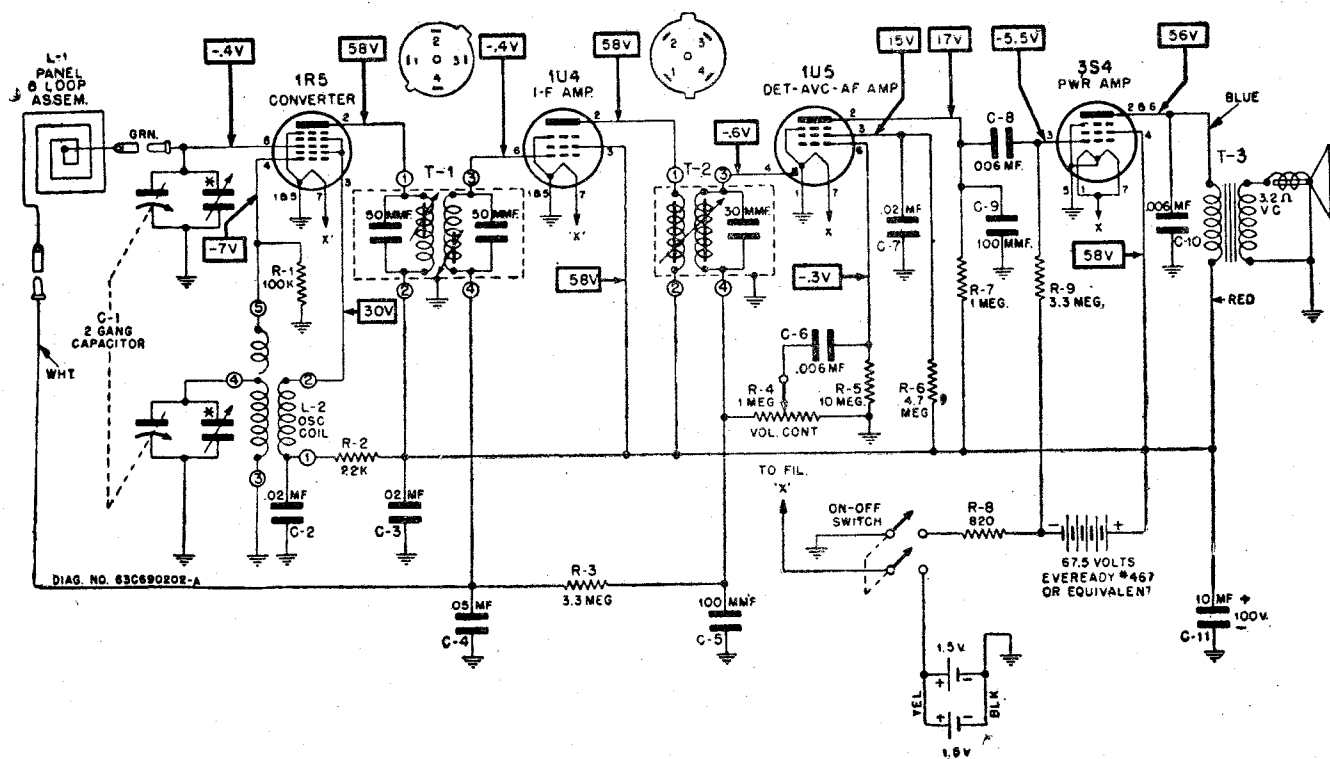
PHILHARMONIC, Modelo: 400-C e 500-C

F.I. = 455 KHZ.



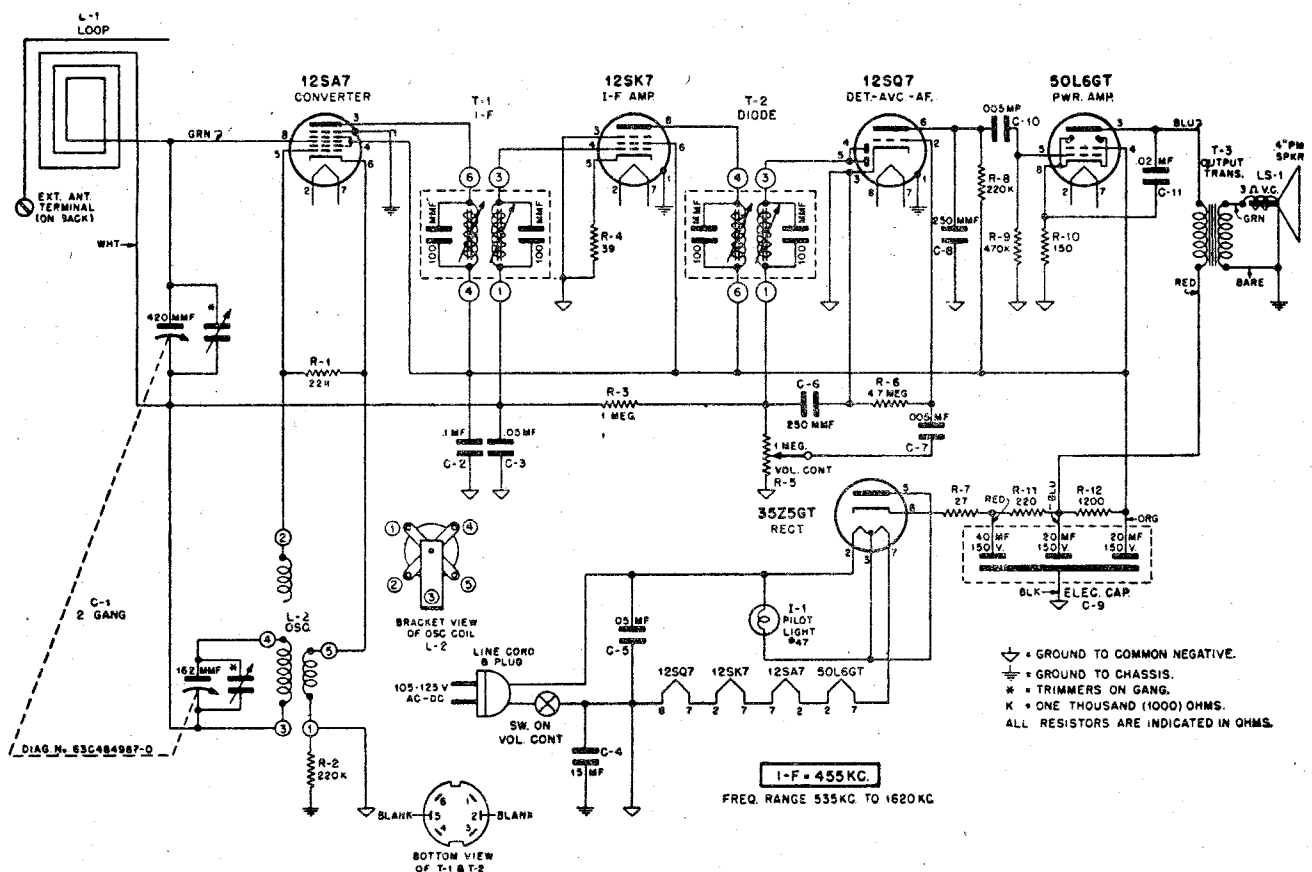
GENERAL ELECTRIC
Modelos: MG-114 P, C, G, AC, V, VP e M

MOTOROLA, Modelo 49L11Q 40L13Q



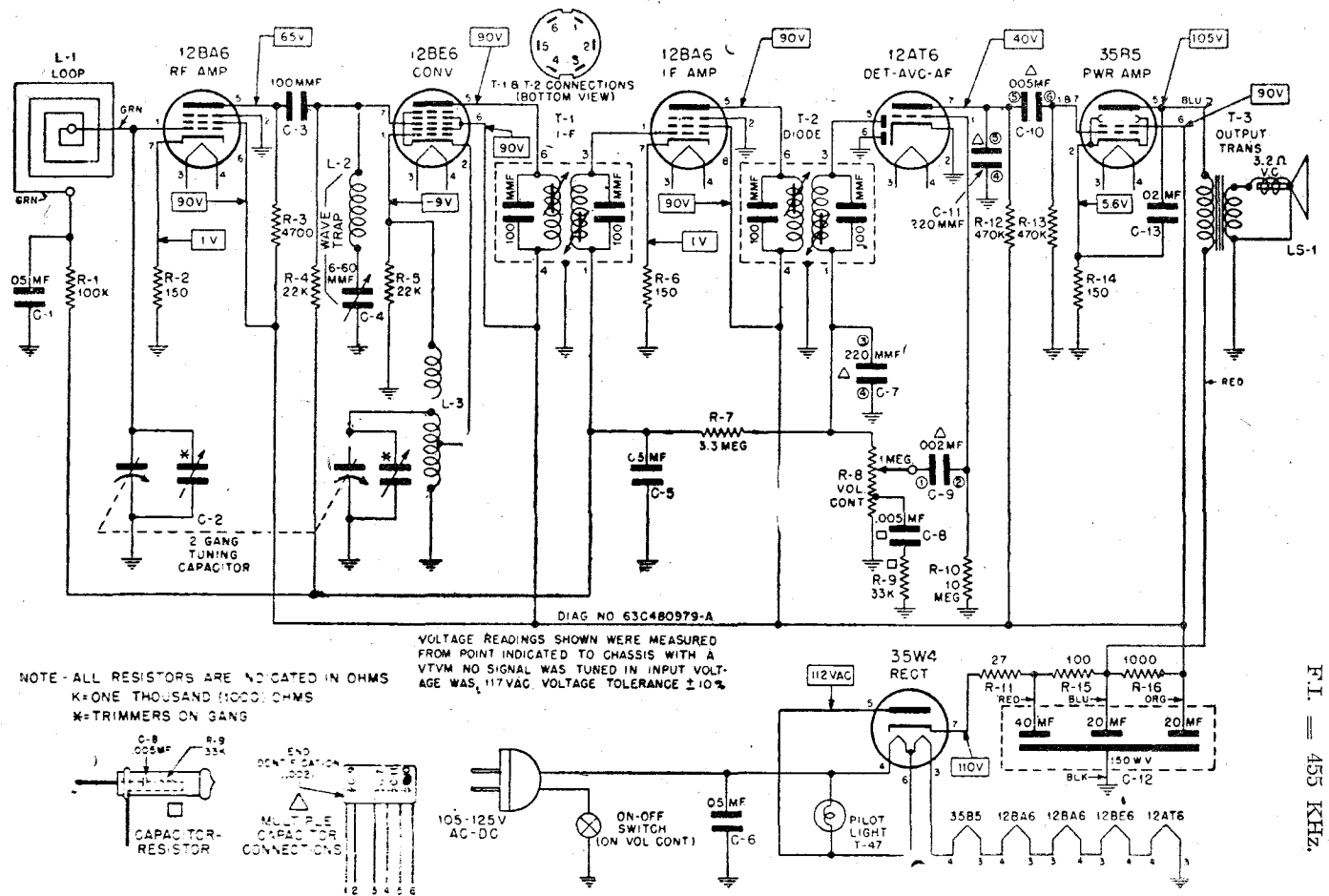
F.I. = 455 KHz.

MOTOROLA, Modelo: 58X11, 58X12

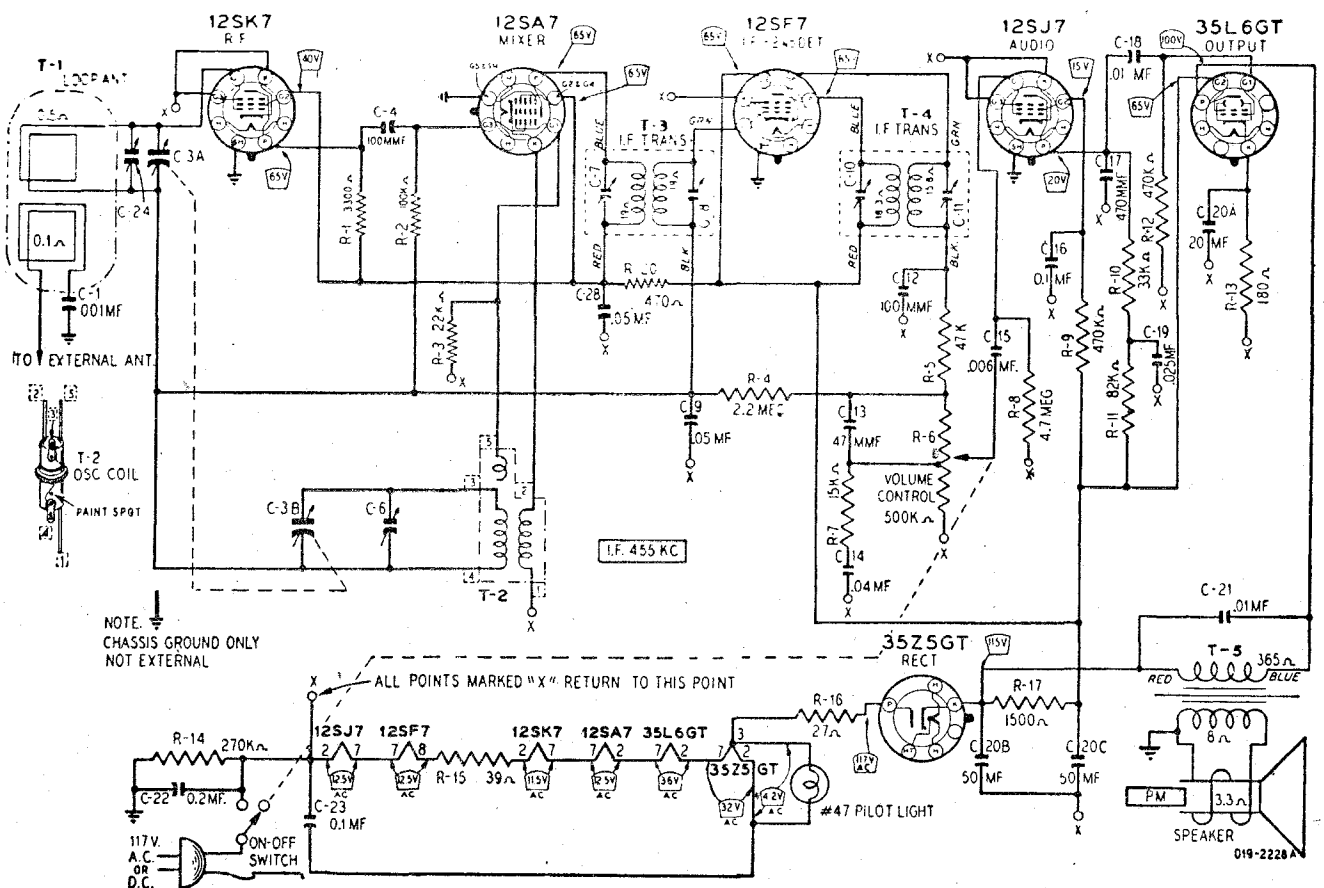


F.I. = 455 KHz.

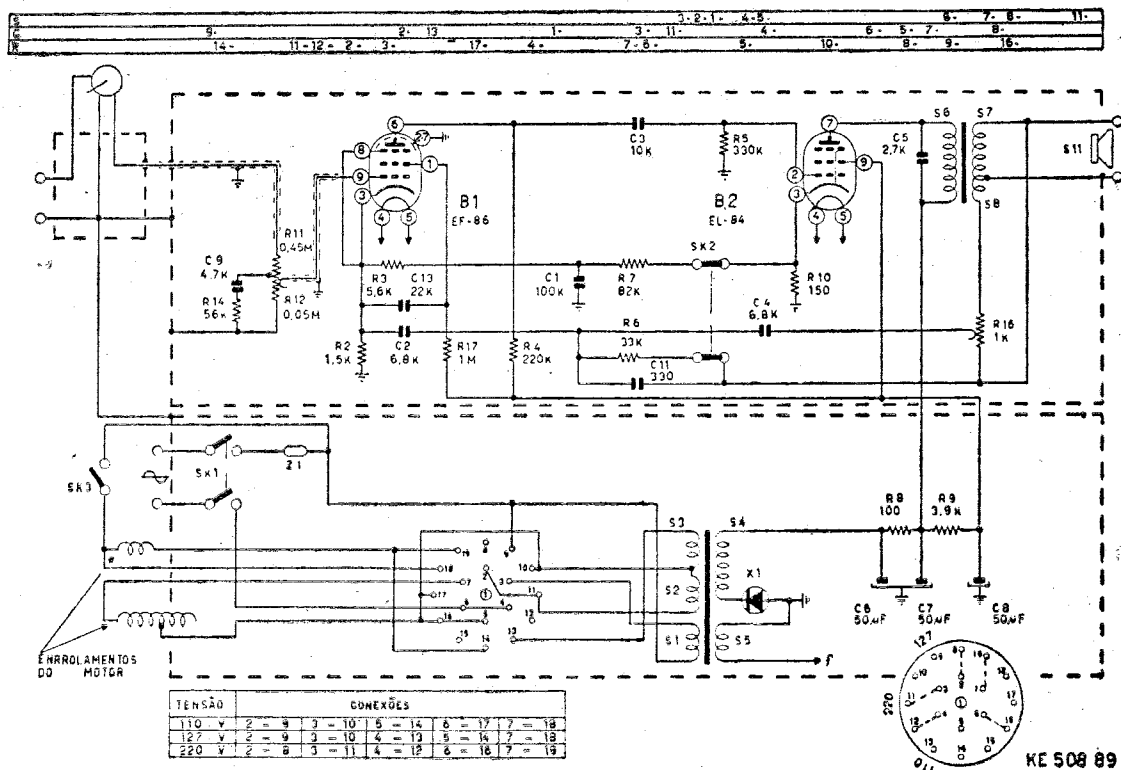
MOTOROLA, Modelo: 68X11Q 68X12Q



MONTGOMERY-WARD, Modelo: 94WG e 1B04D

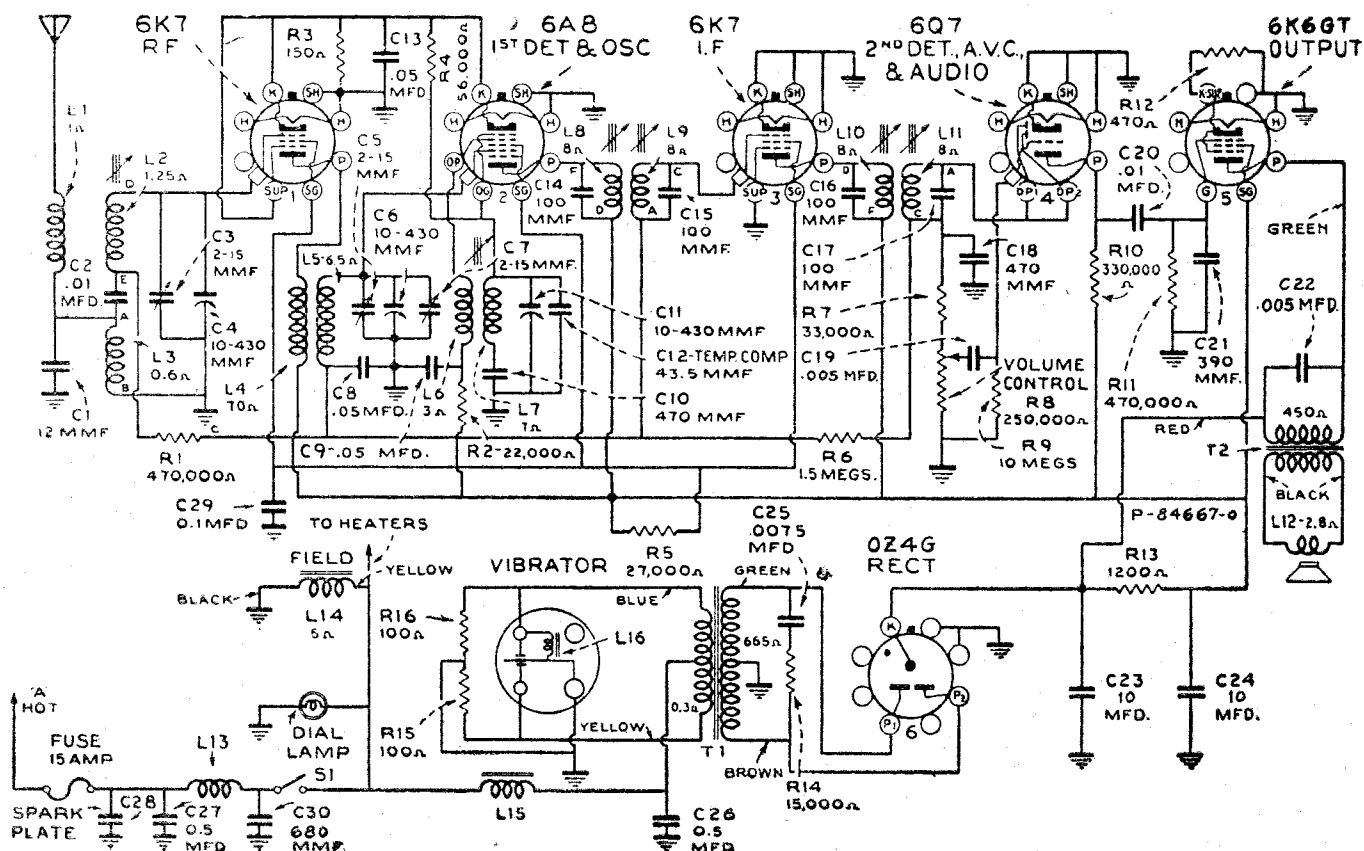


PHILIPS, Modelo AG-9124 (eletrofone portátil)

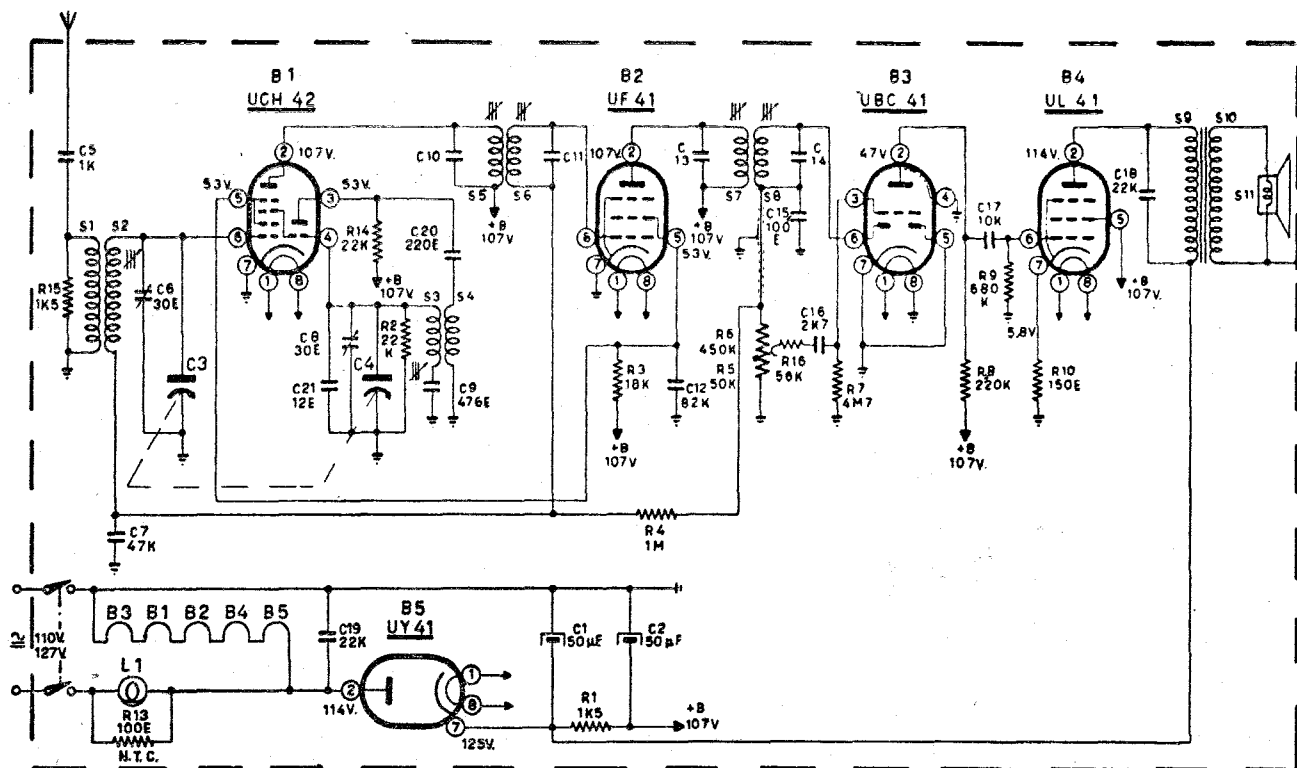
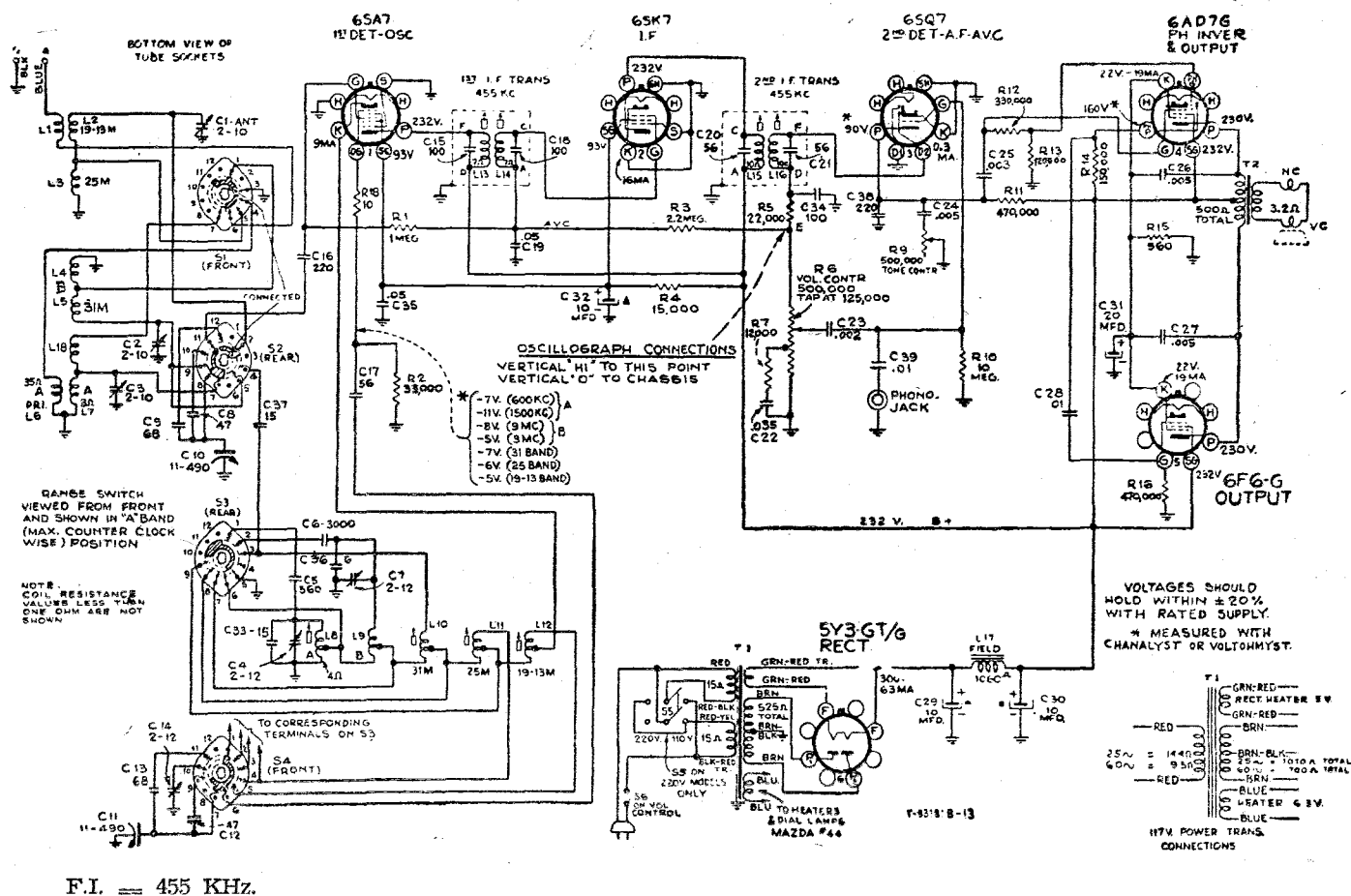


KE 508 89

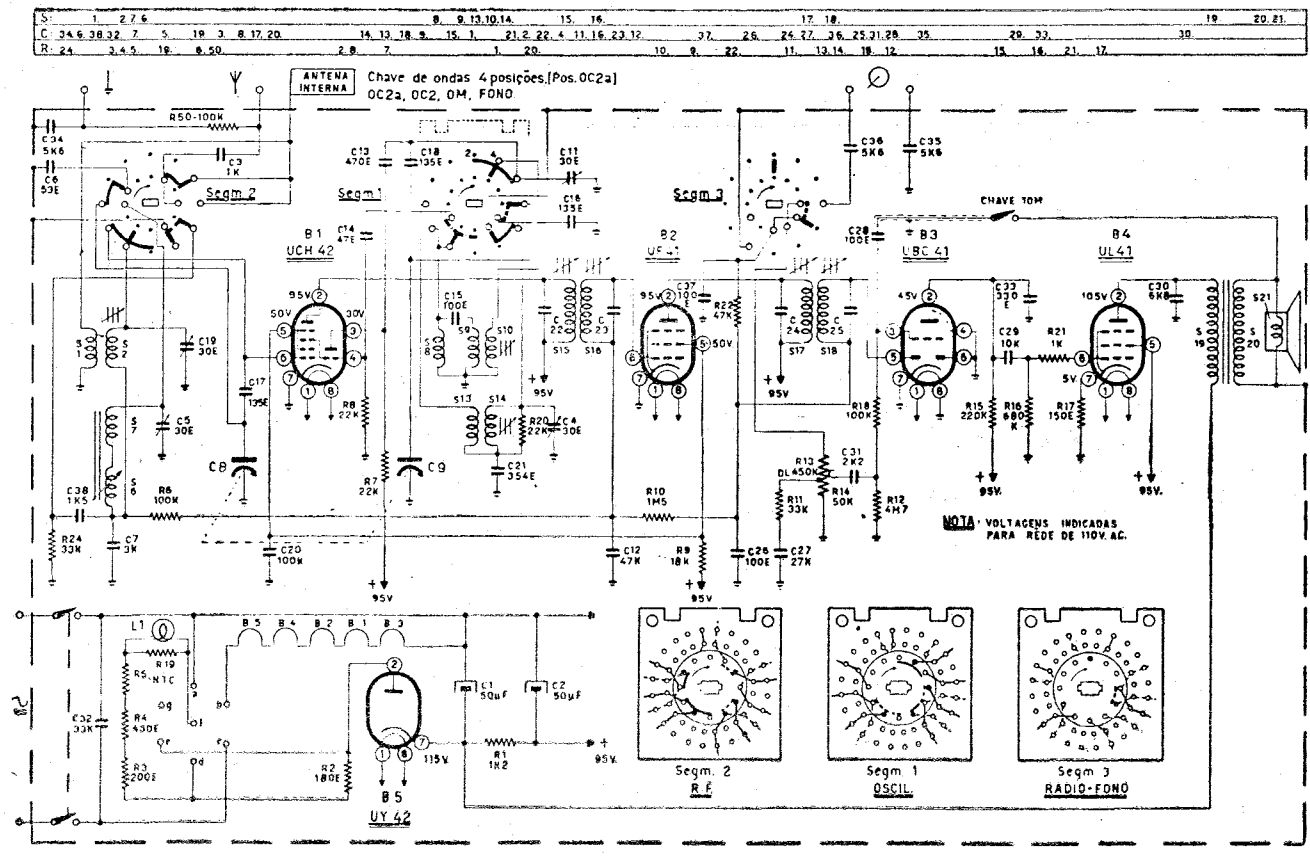
R. C. A., Modelo: M-60



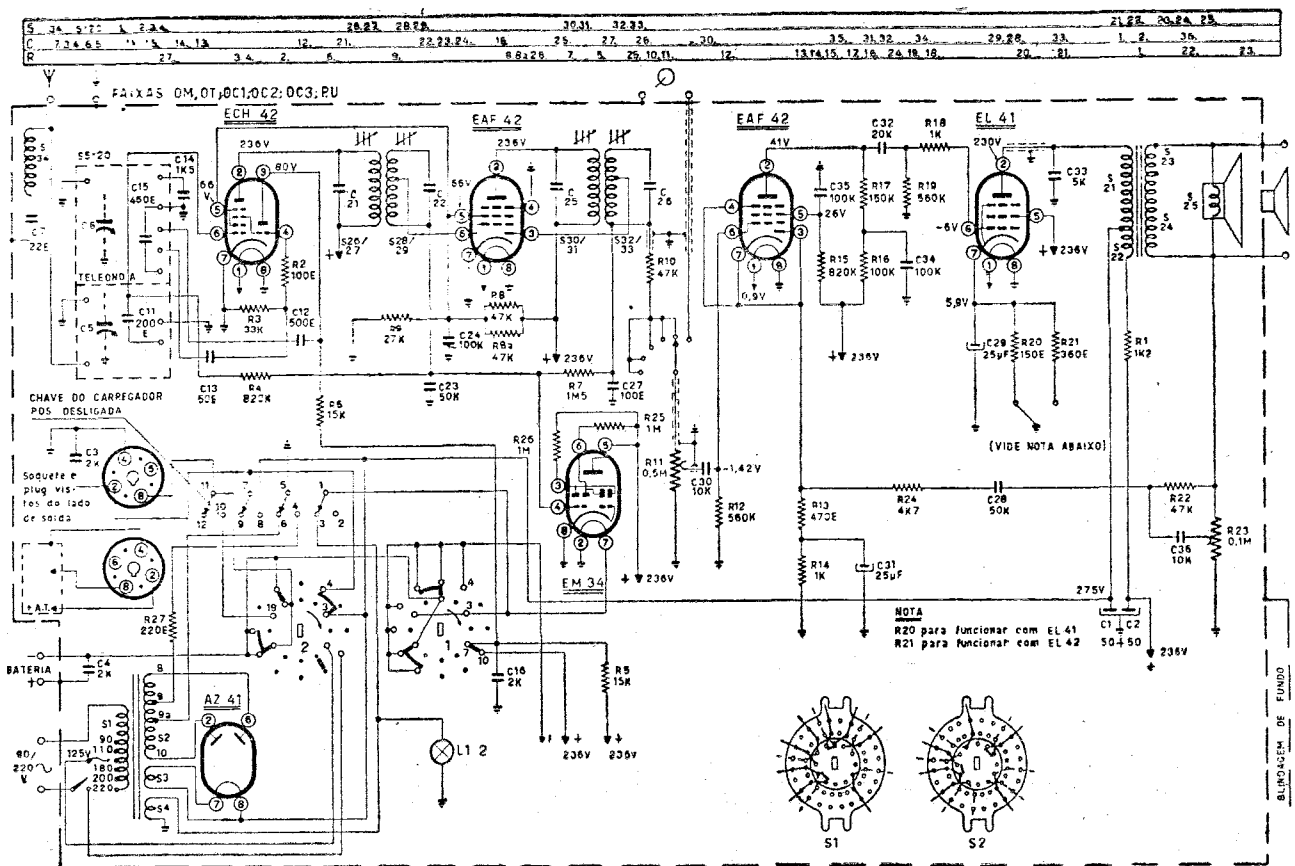
F.I. = 455 KHz.



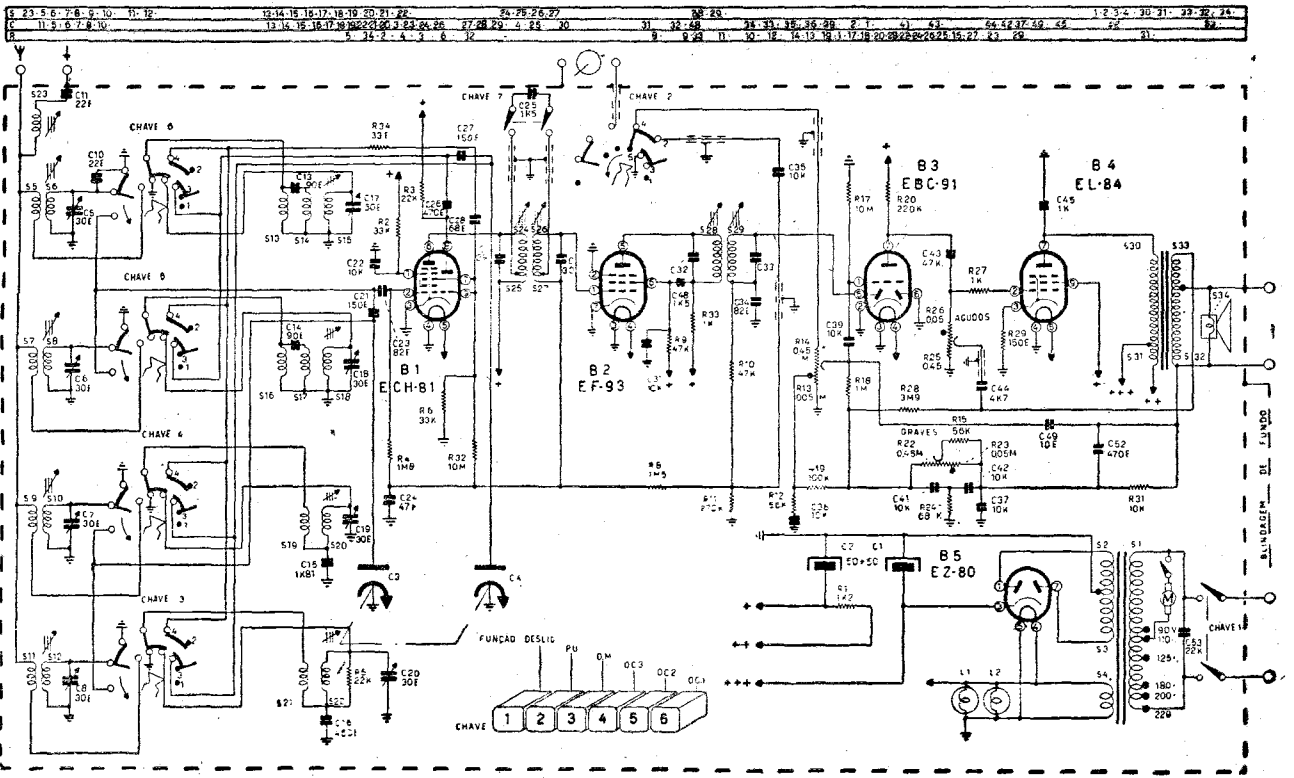
PHILIPS, Modelo: BR-338-U



PHILIPS, Modelo: BR-575-Z

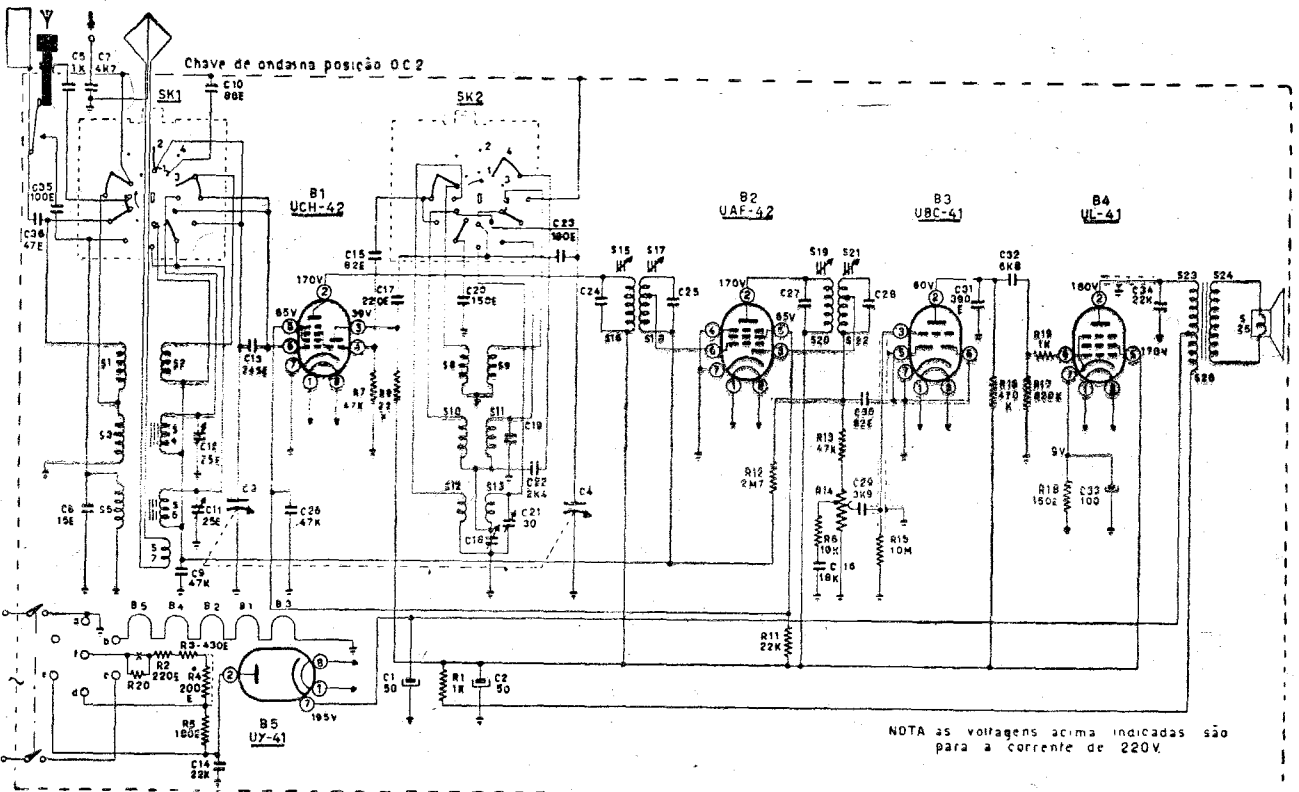


F.I. = 455 KHz.



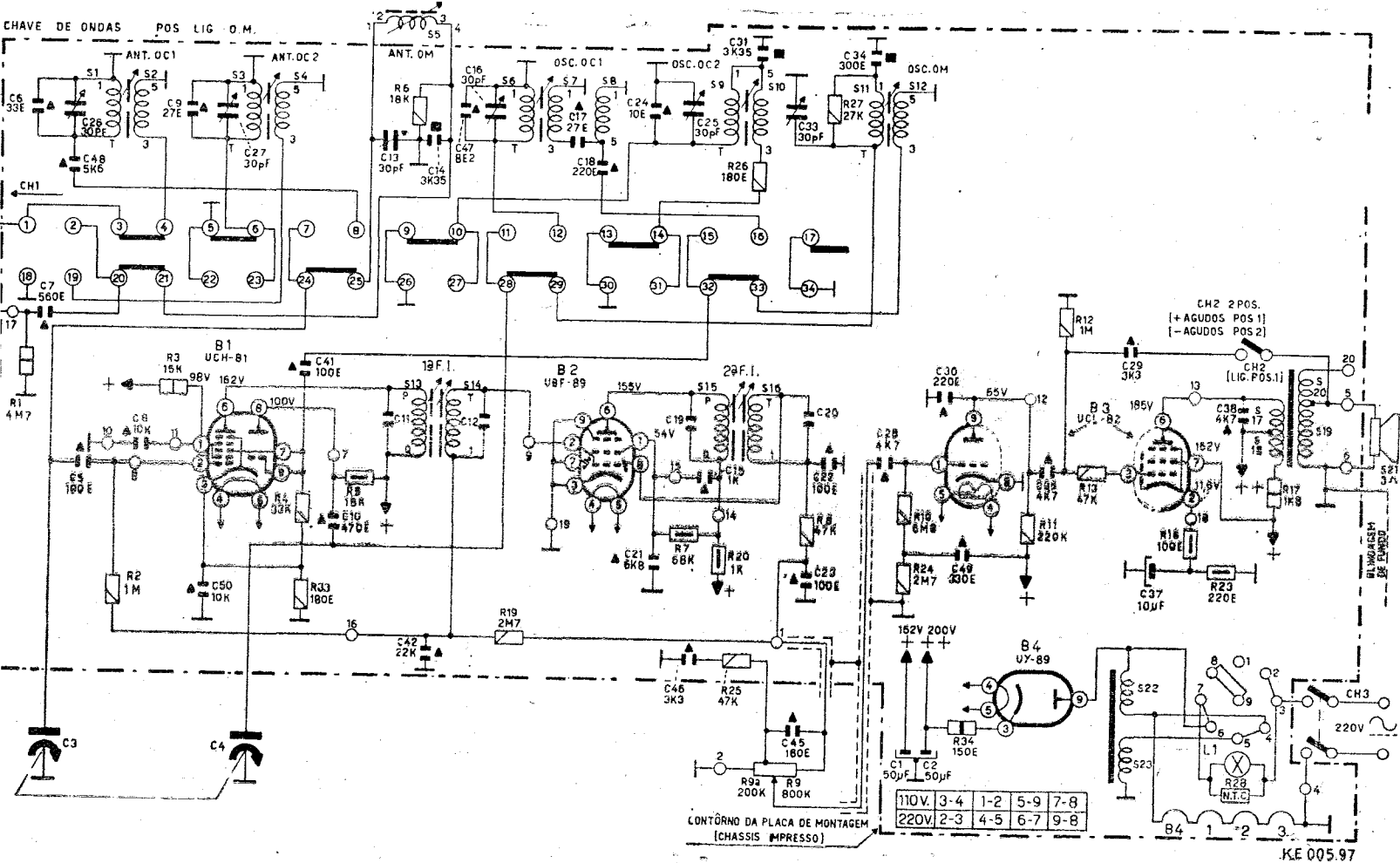
PHILIPS, Modelos: FR-667-A - FR-668-A

F.I. = 455 KHz.



PHILIPS, Modelos: BR-295-UM/UL

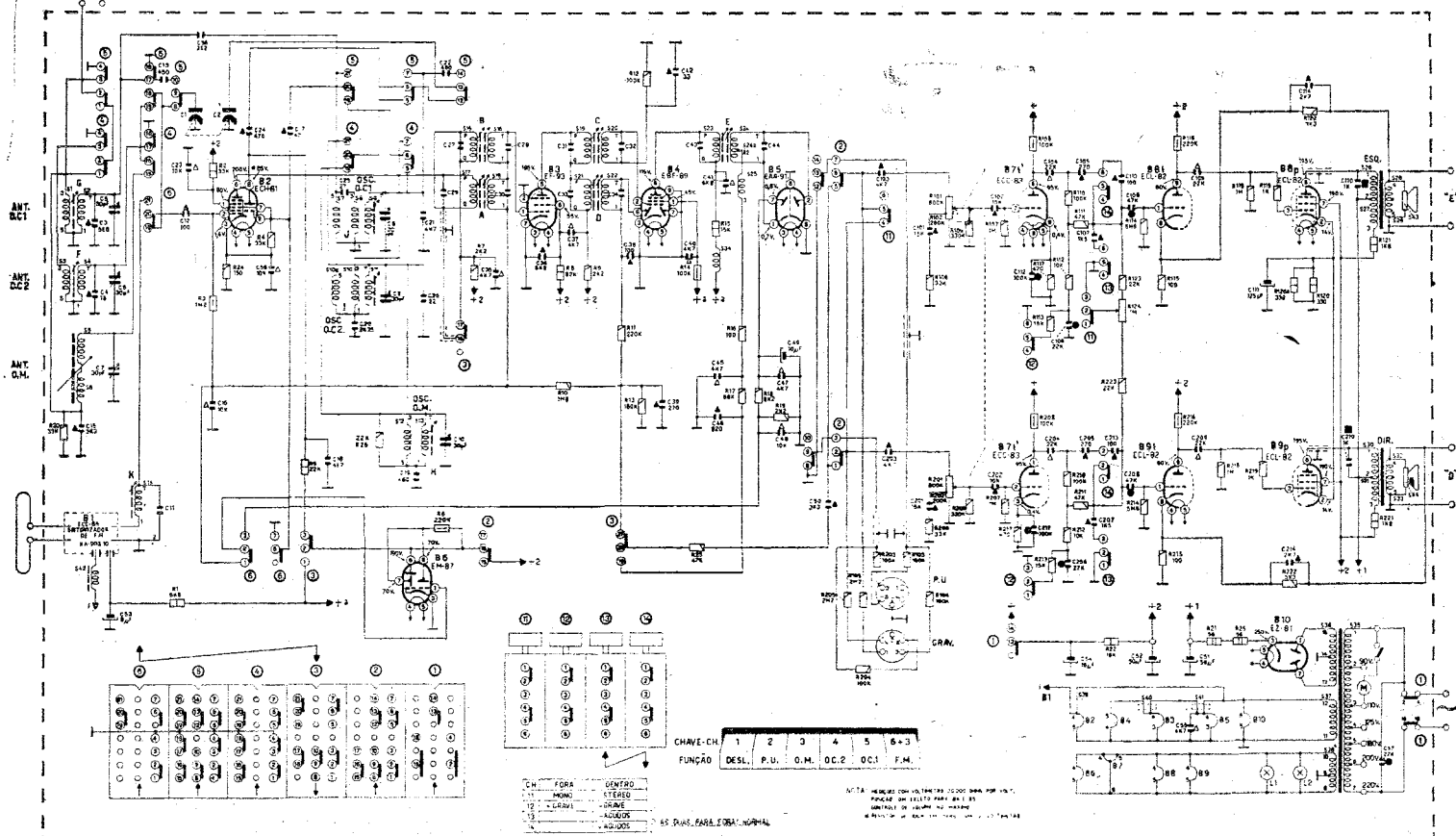
NOTA as voltagens acima indicadas são para a corrente de 220V.

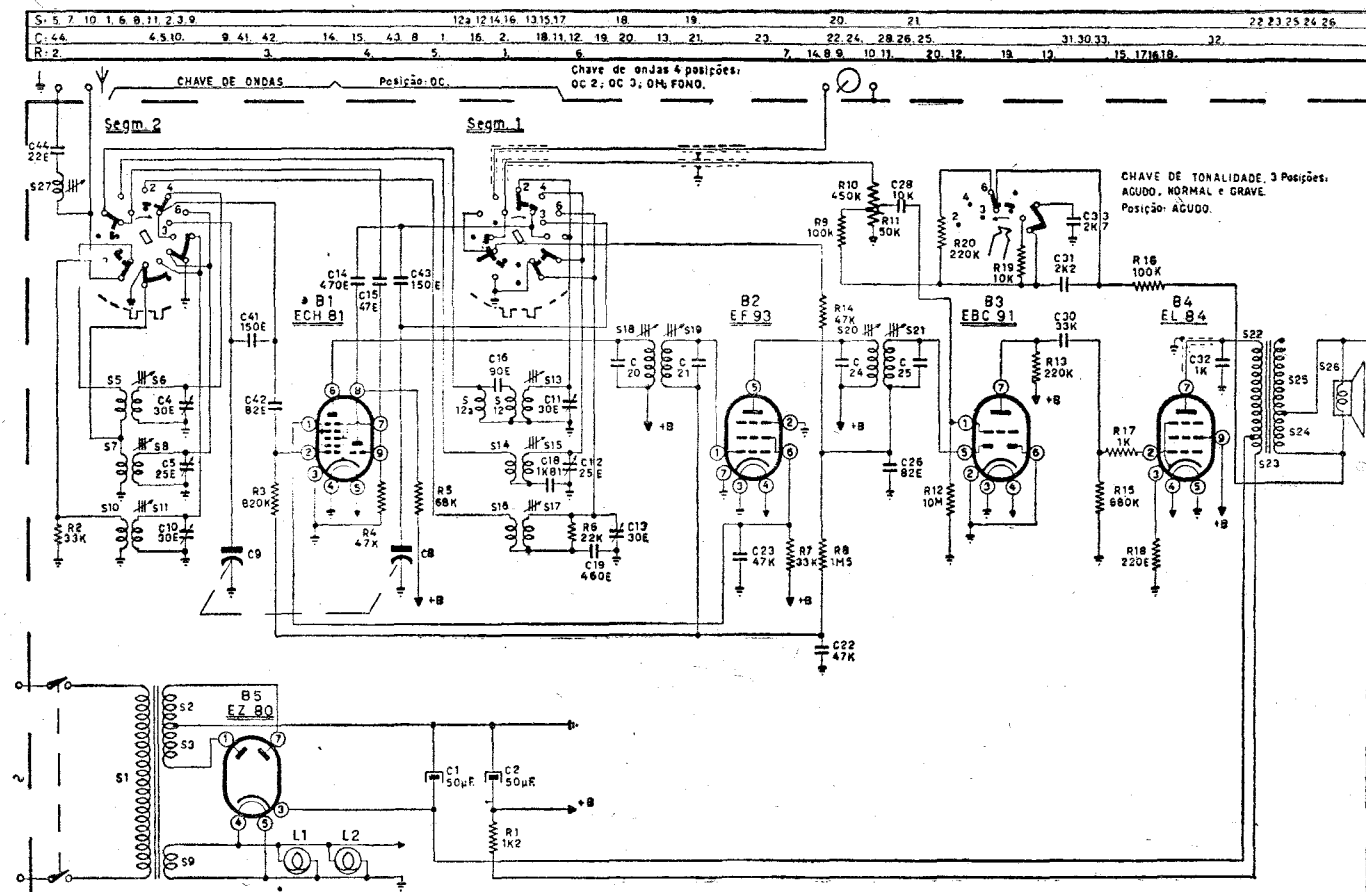
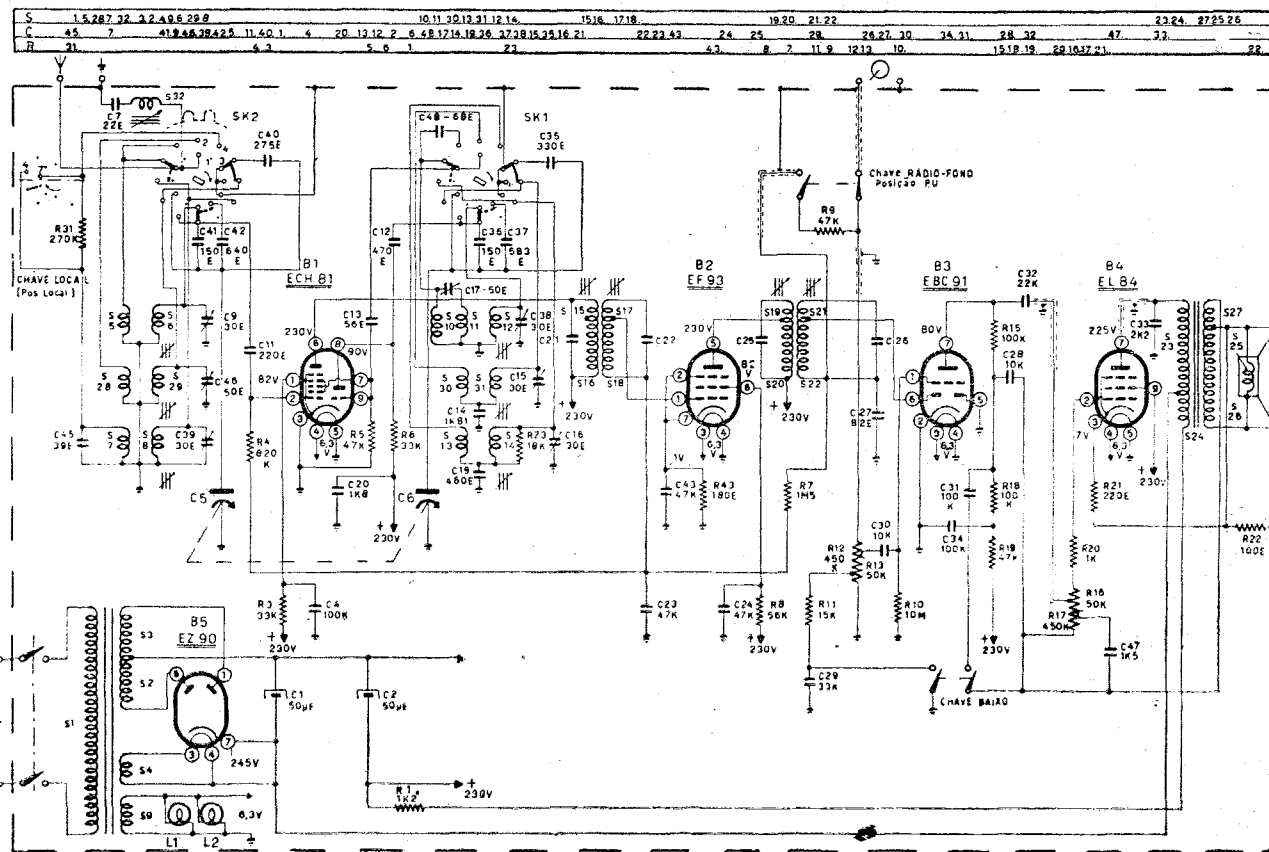


Receptor PHILIPS, Modelo: B3 - RO8-A

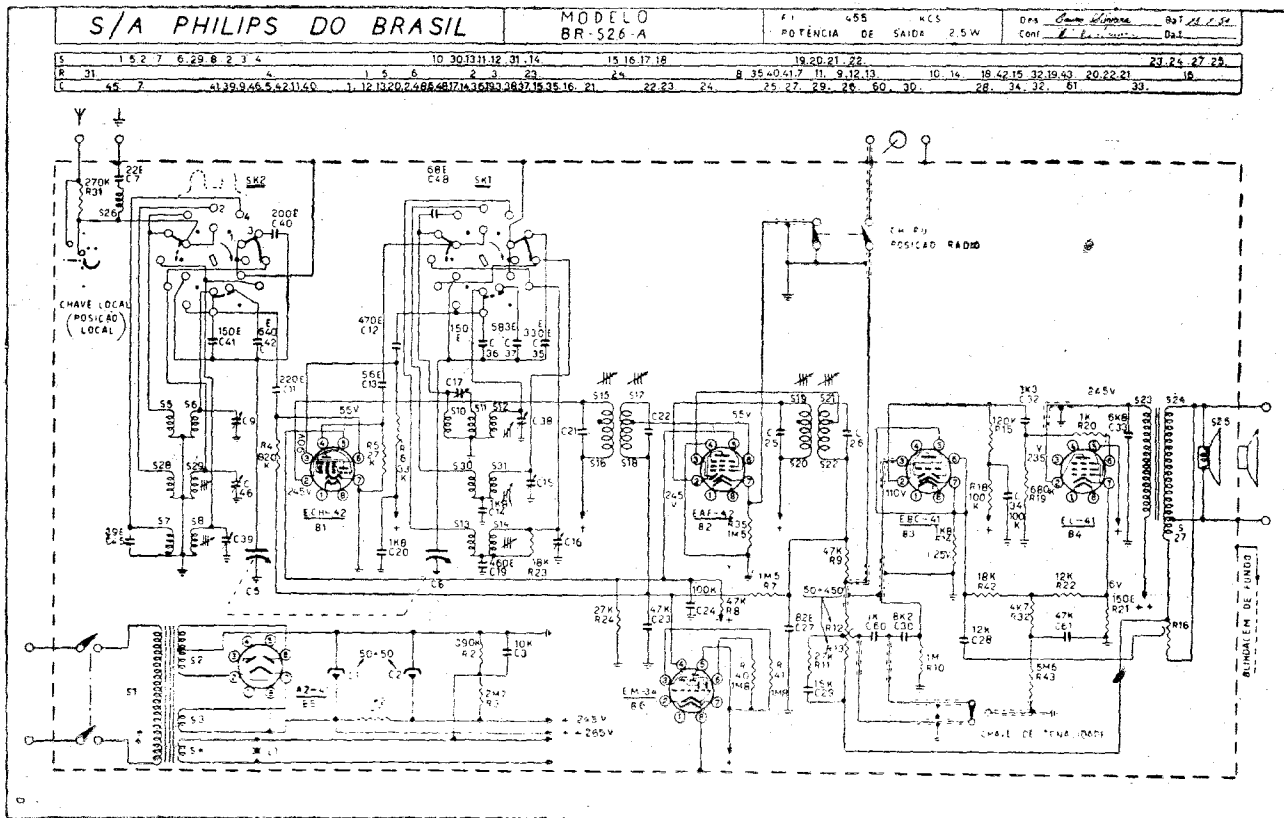
S/A PHILIPS DO BRASIL mod. FR-591-A

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	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
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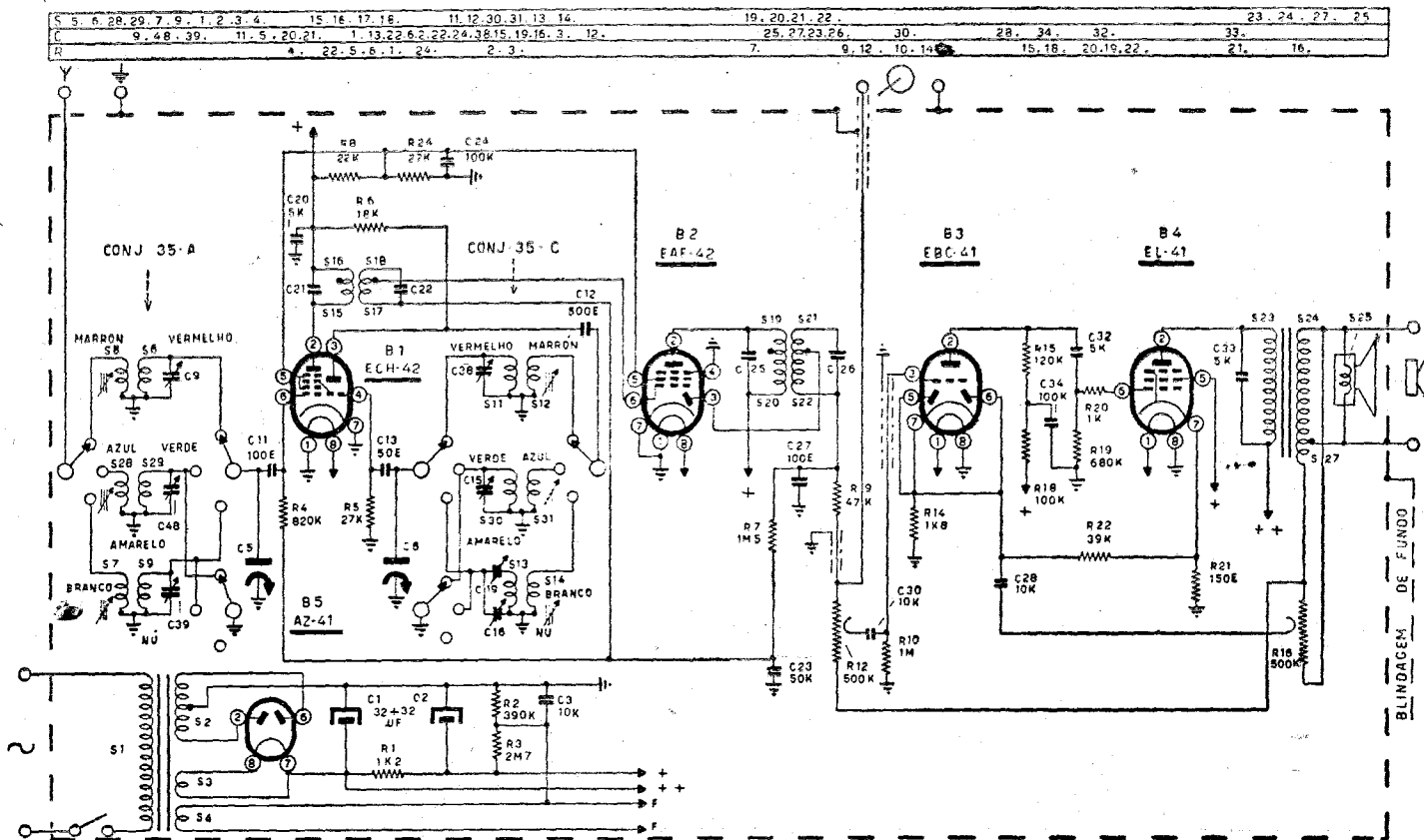




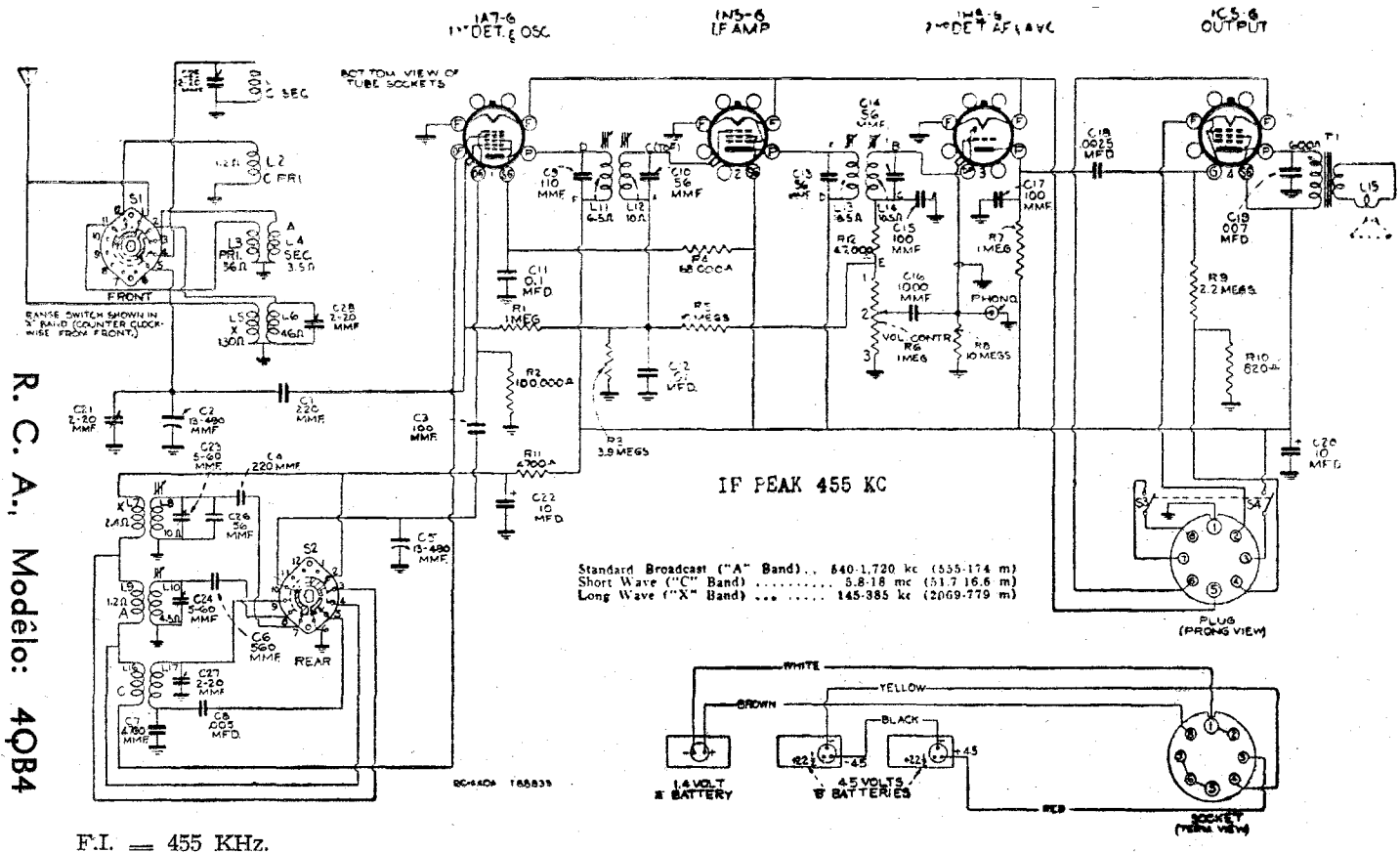
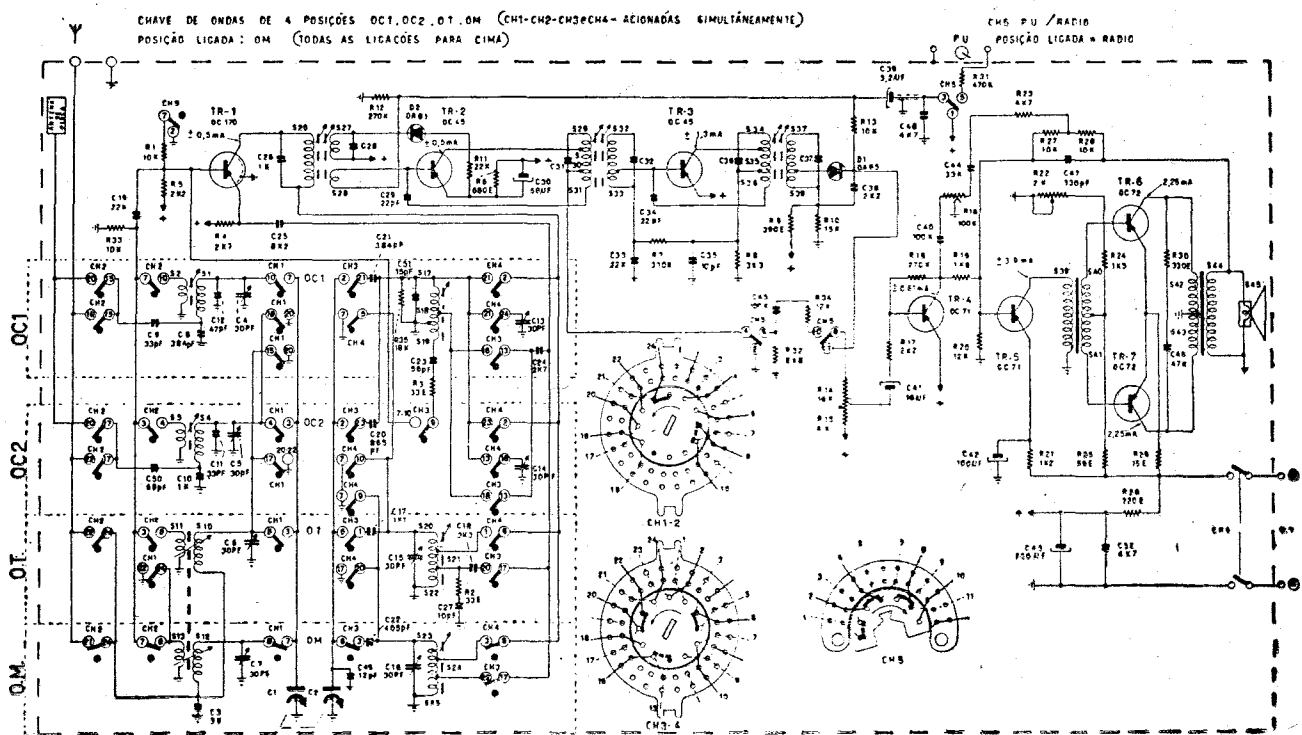
PHILIPS, Modelo: BR-526-A

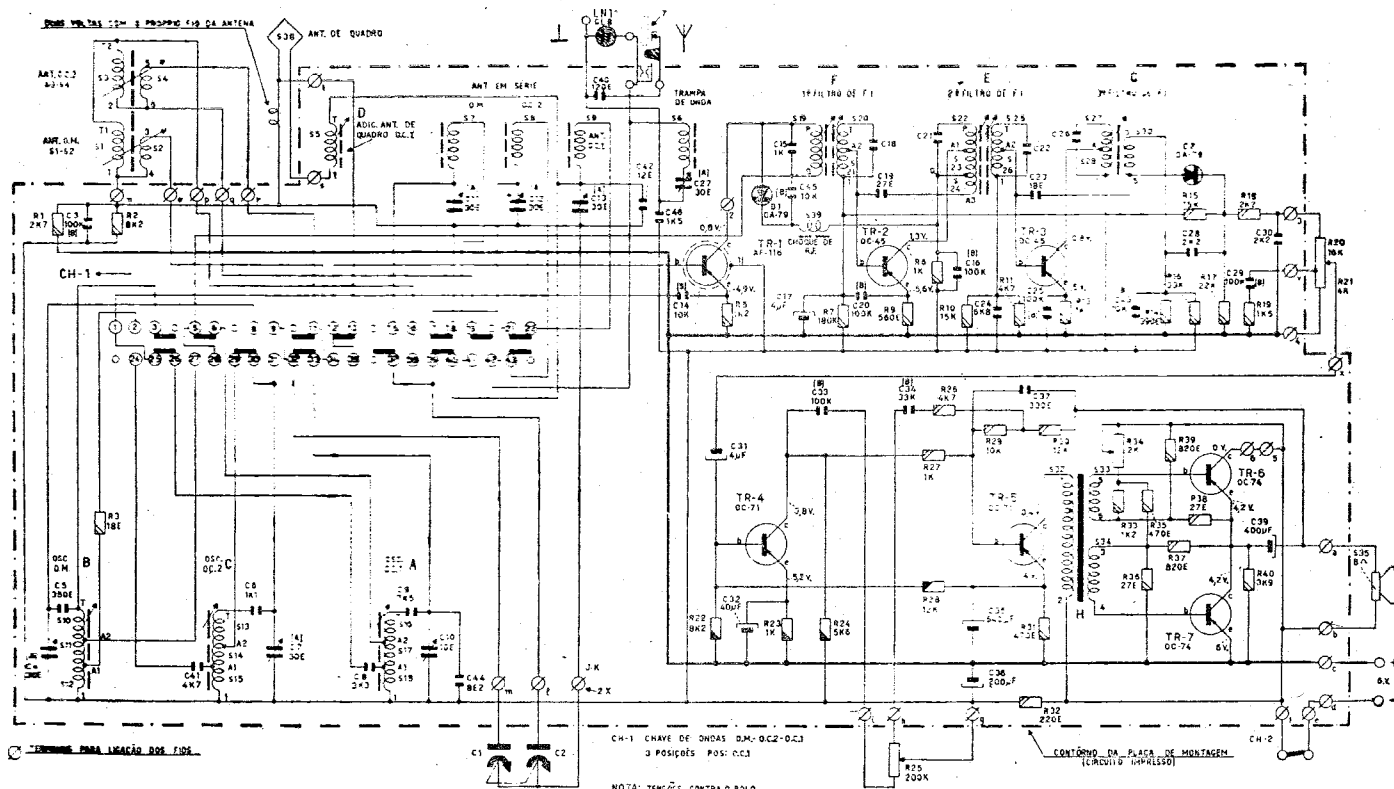
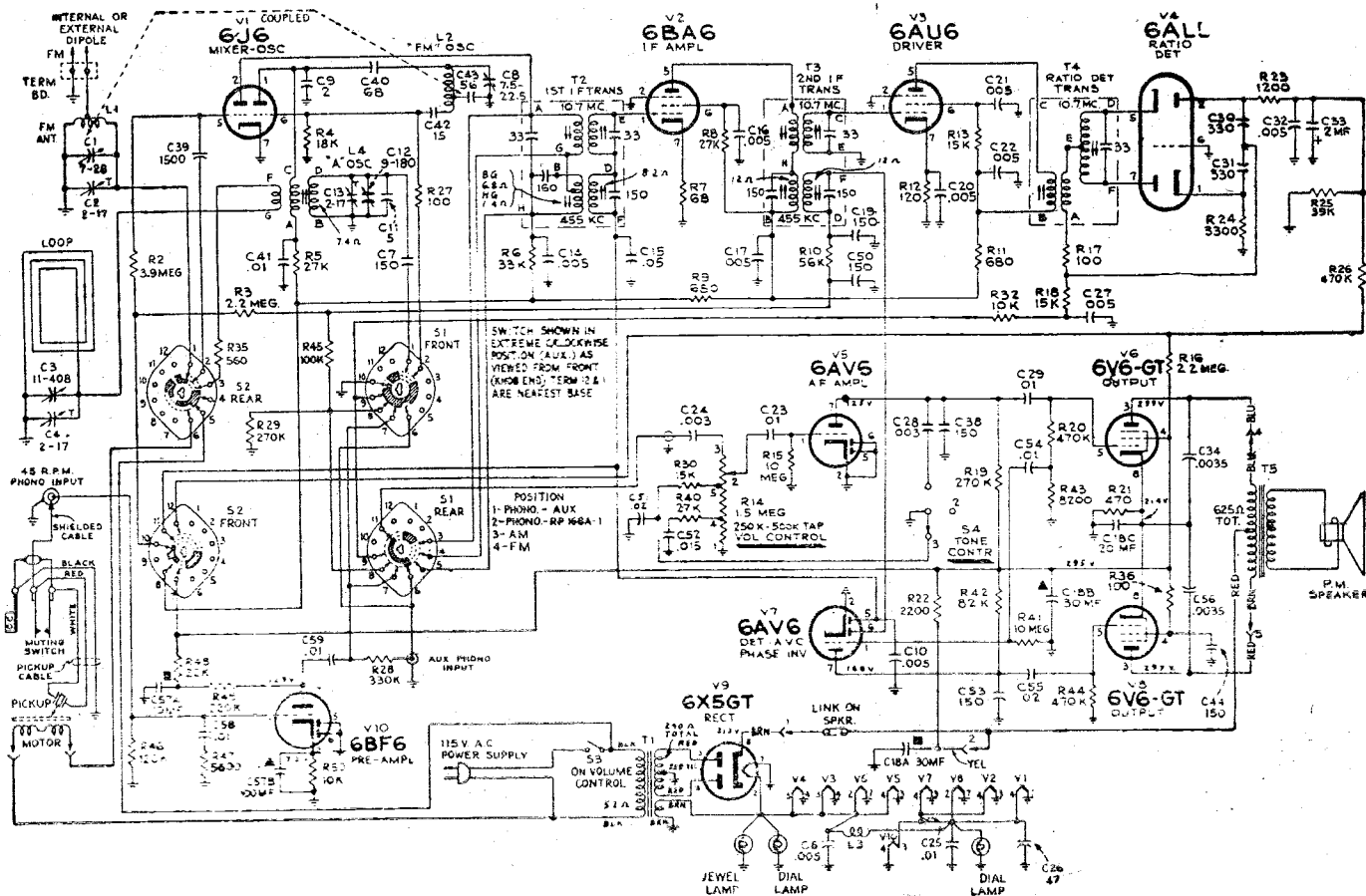


F.I. = 455 KHZ.



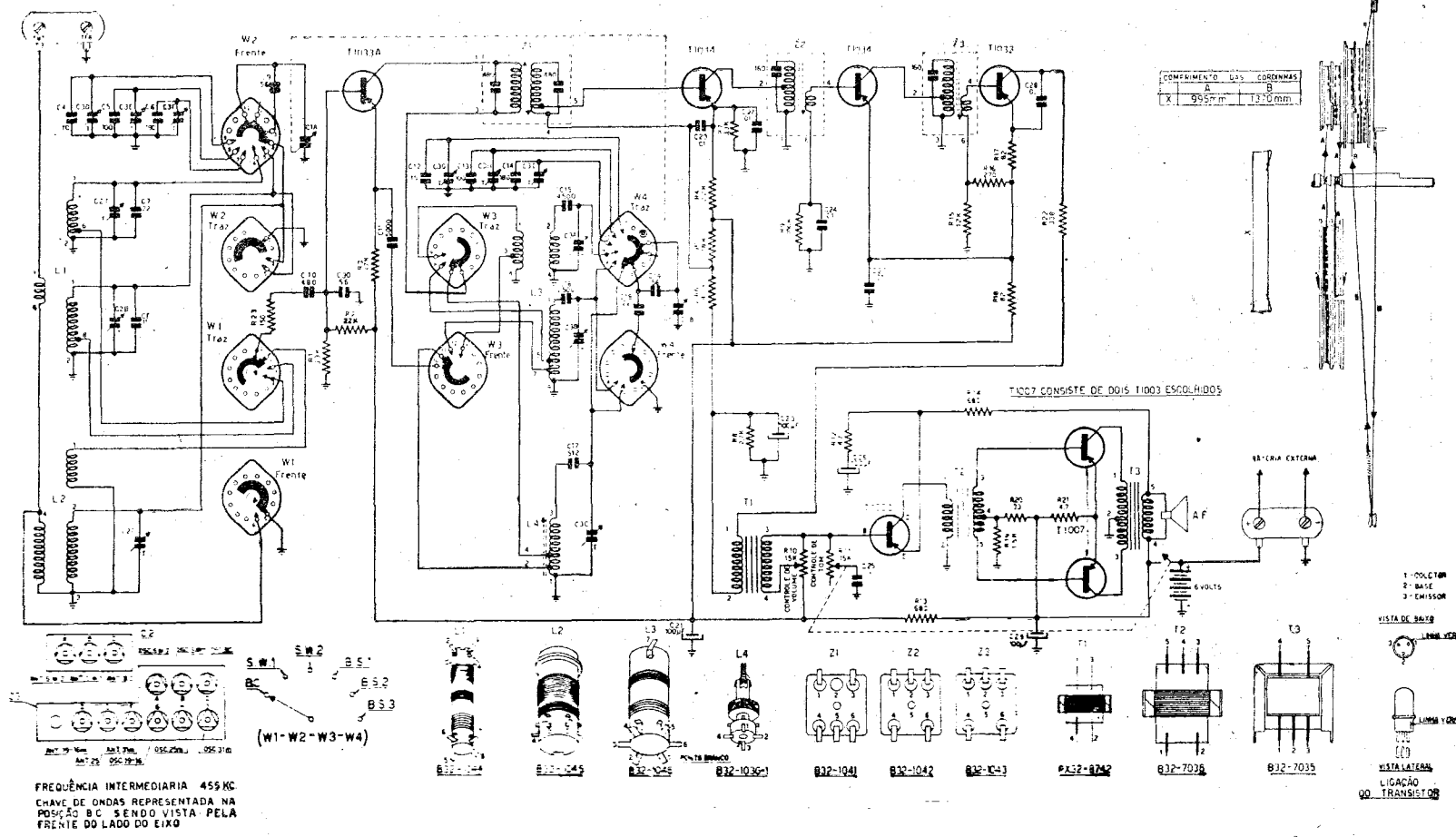
PHILIPS, Modelo: B4-R78-T





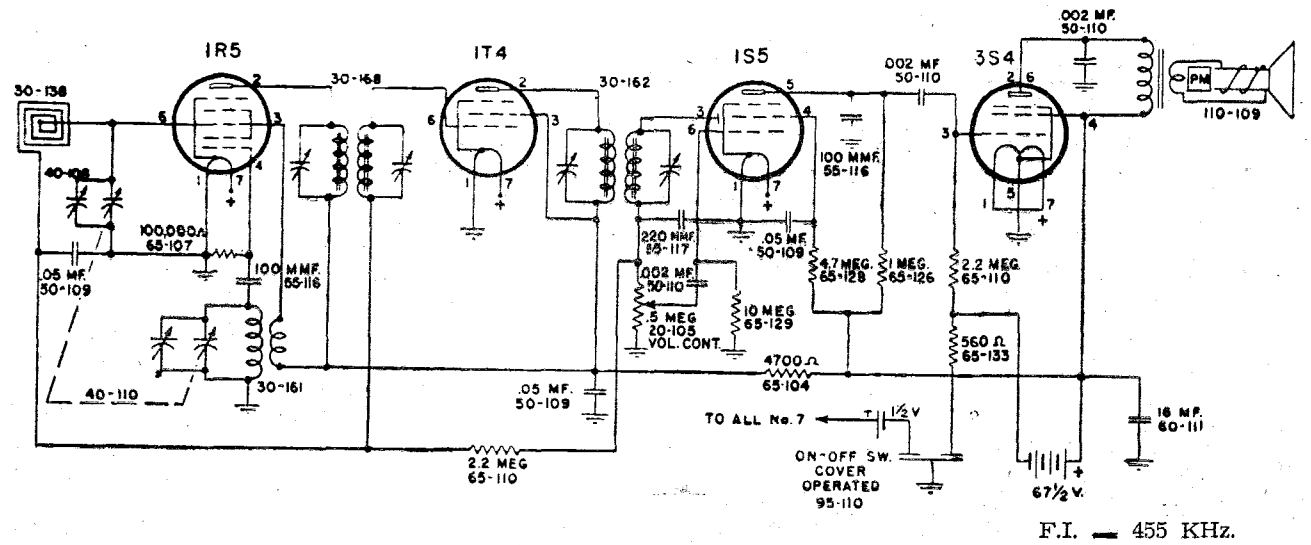
F.I. = 455 KHz.

PHILIPS, Modelo: B3-R06-T

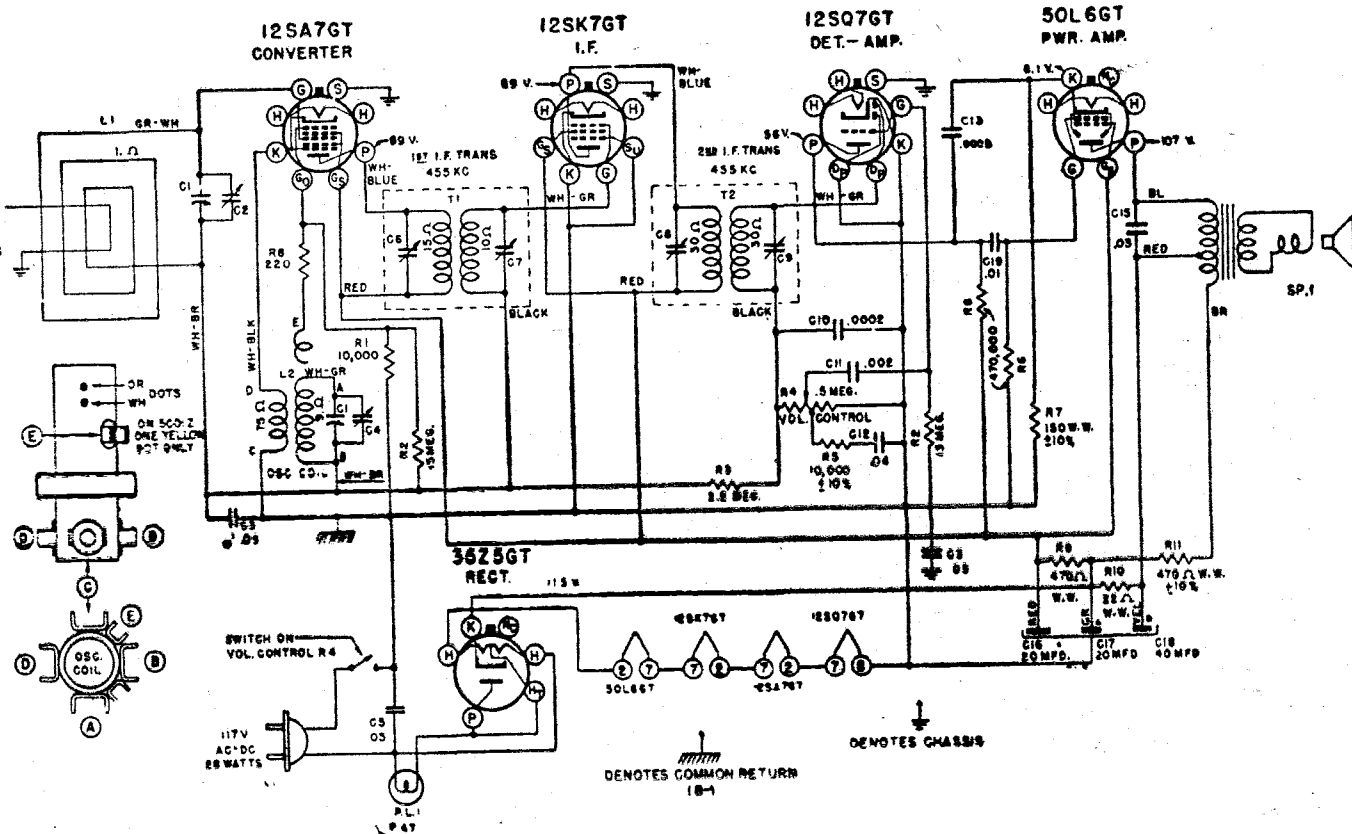


PHILCO, Modelo: B-457

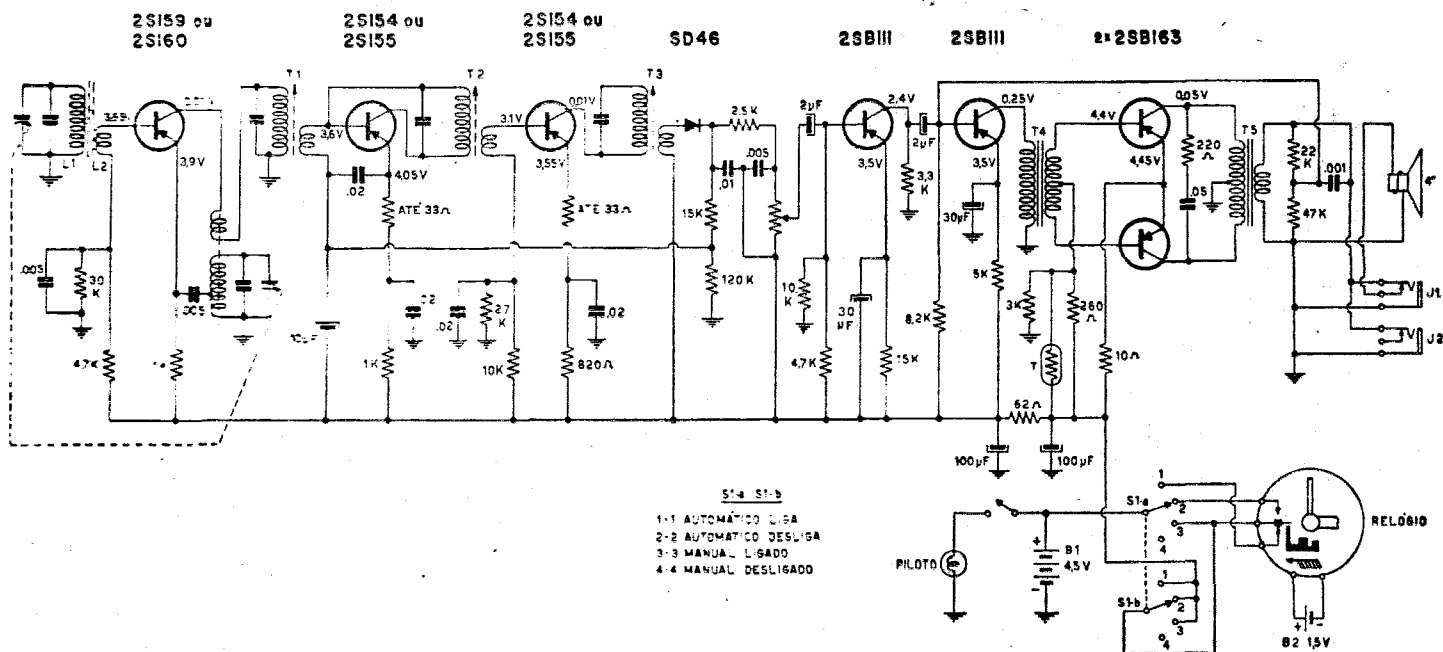
REGAL, Modelo: BP-48



ZENITH, Modelo: 5 DO 11



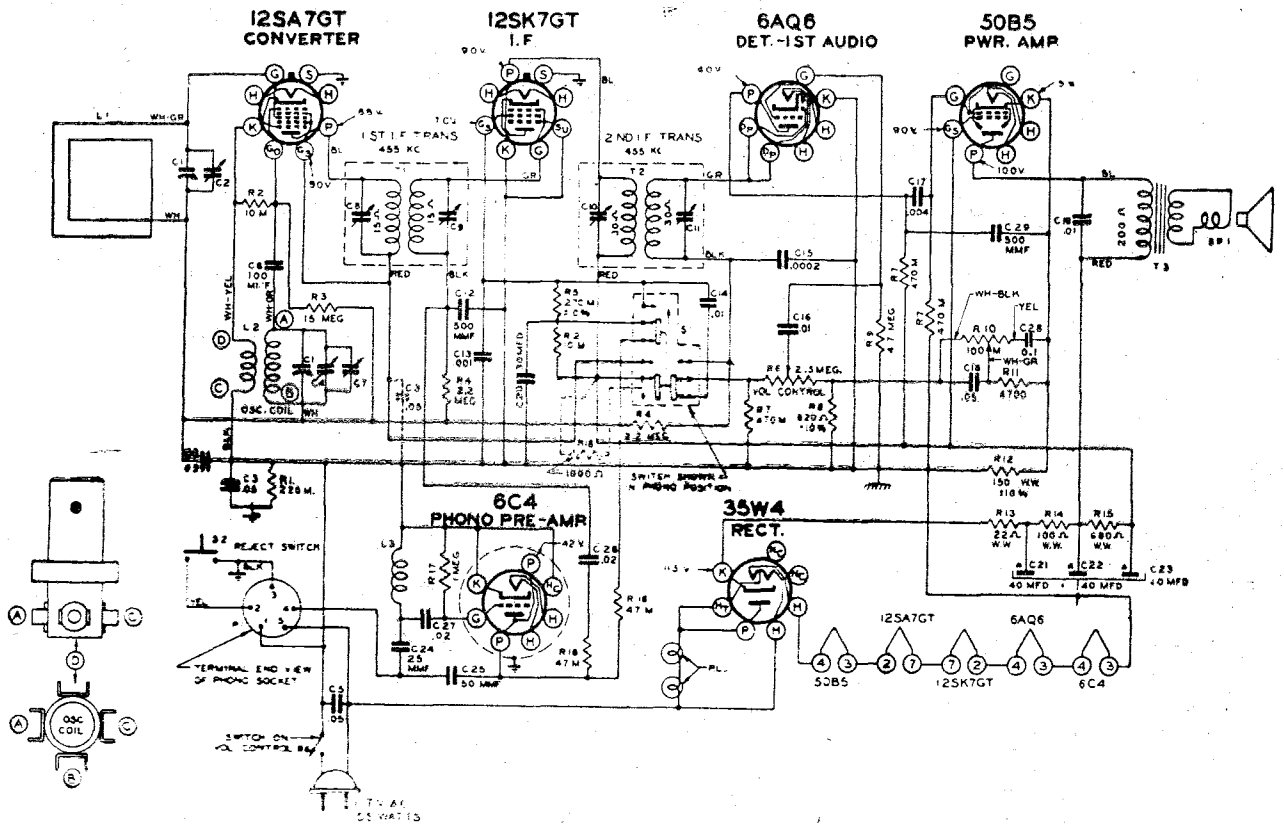
F.I. = 455 KHz.



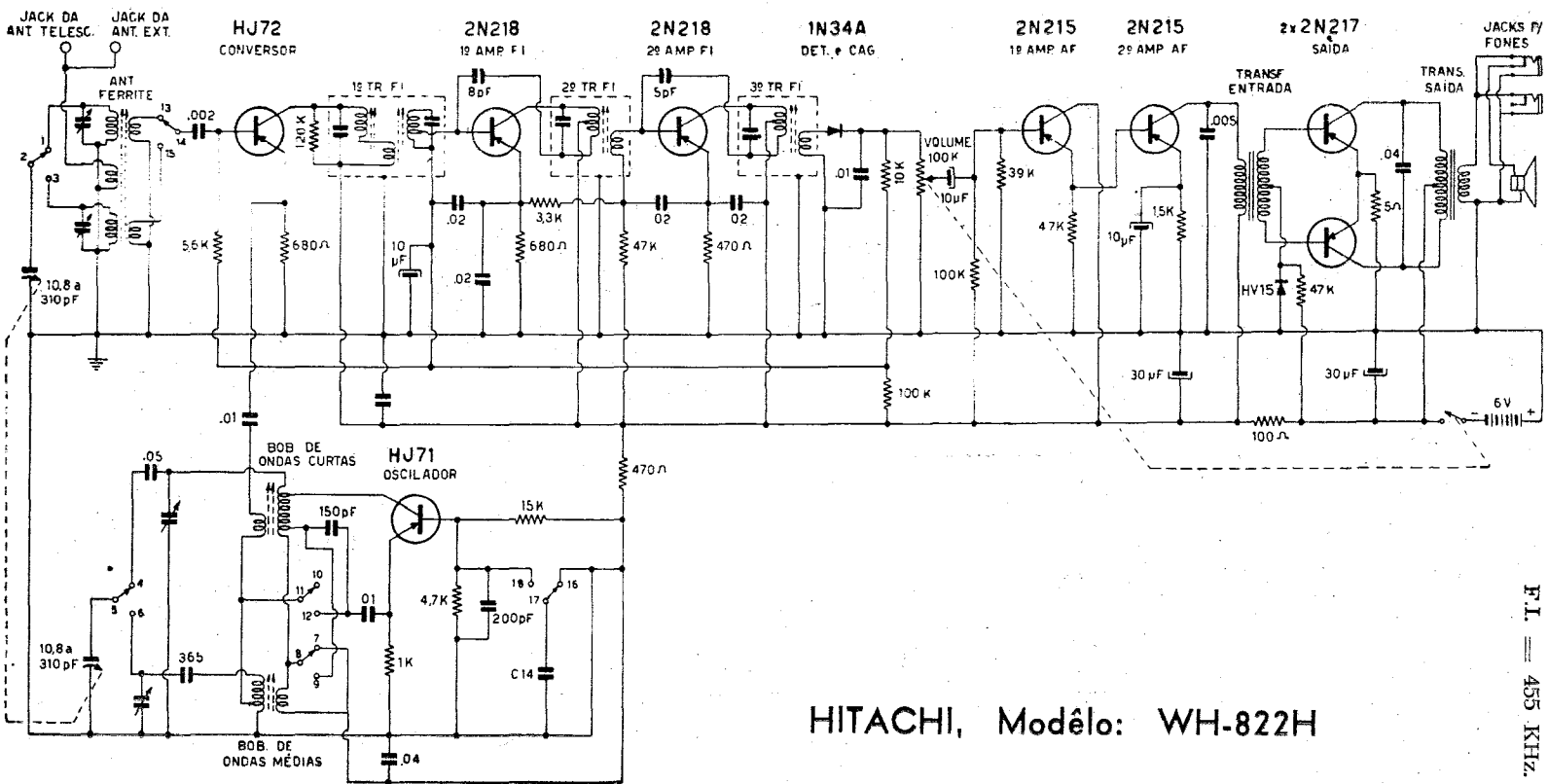
NEC, Modelo: 120
(rádio combinado com relógio despertador)



ZENITH, Modelo: 6R880



F.I. = 455 KHZ.



HITACHI, Modelo: WH-822H

F.I. = 455 KHZ.

2SA94

1N34A

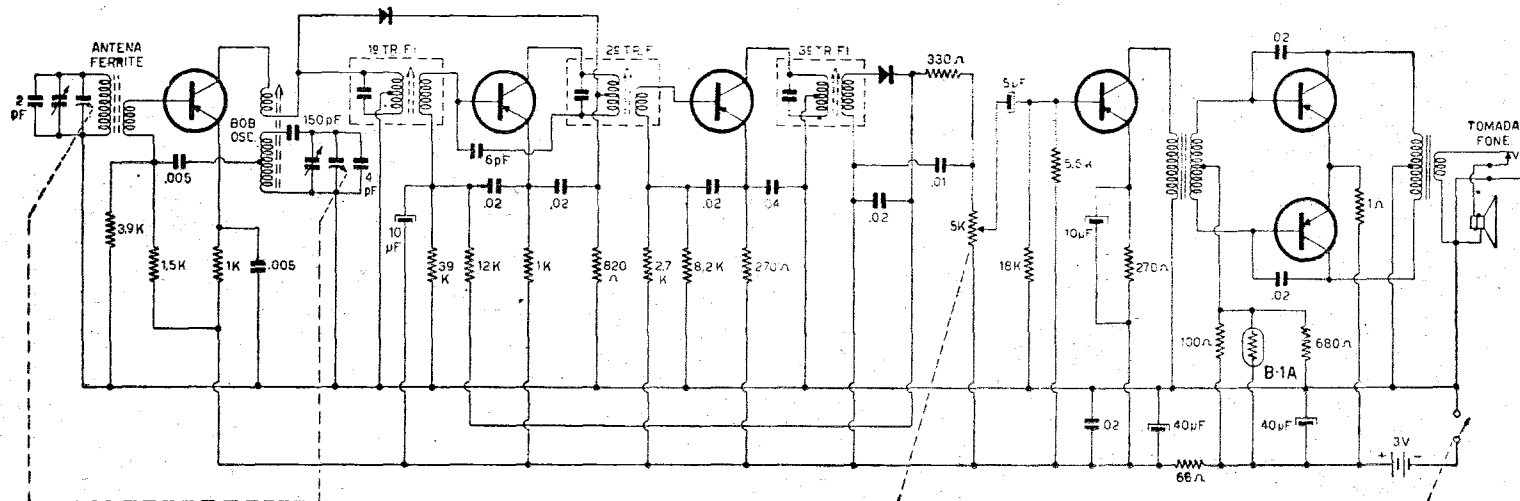
2SA151

2SA151

1N34A

2SB77

2x 2SB156



Frequência intermediária: 455 KHz.

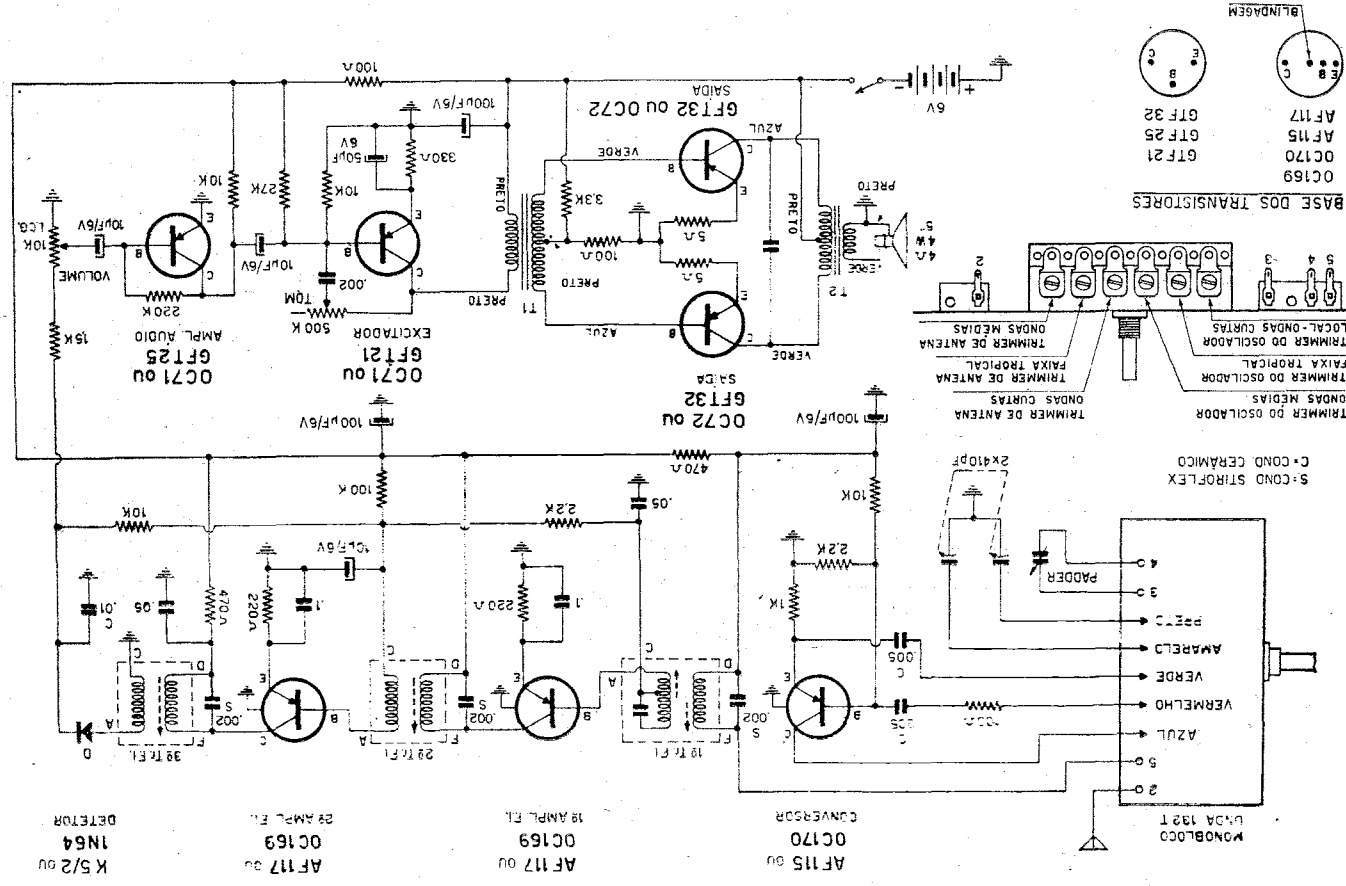
HITACHI, Modelo: TH-660

APARELHOS
TRANSISTORIZADOS

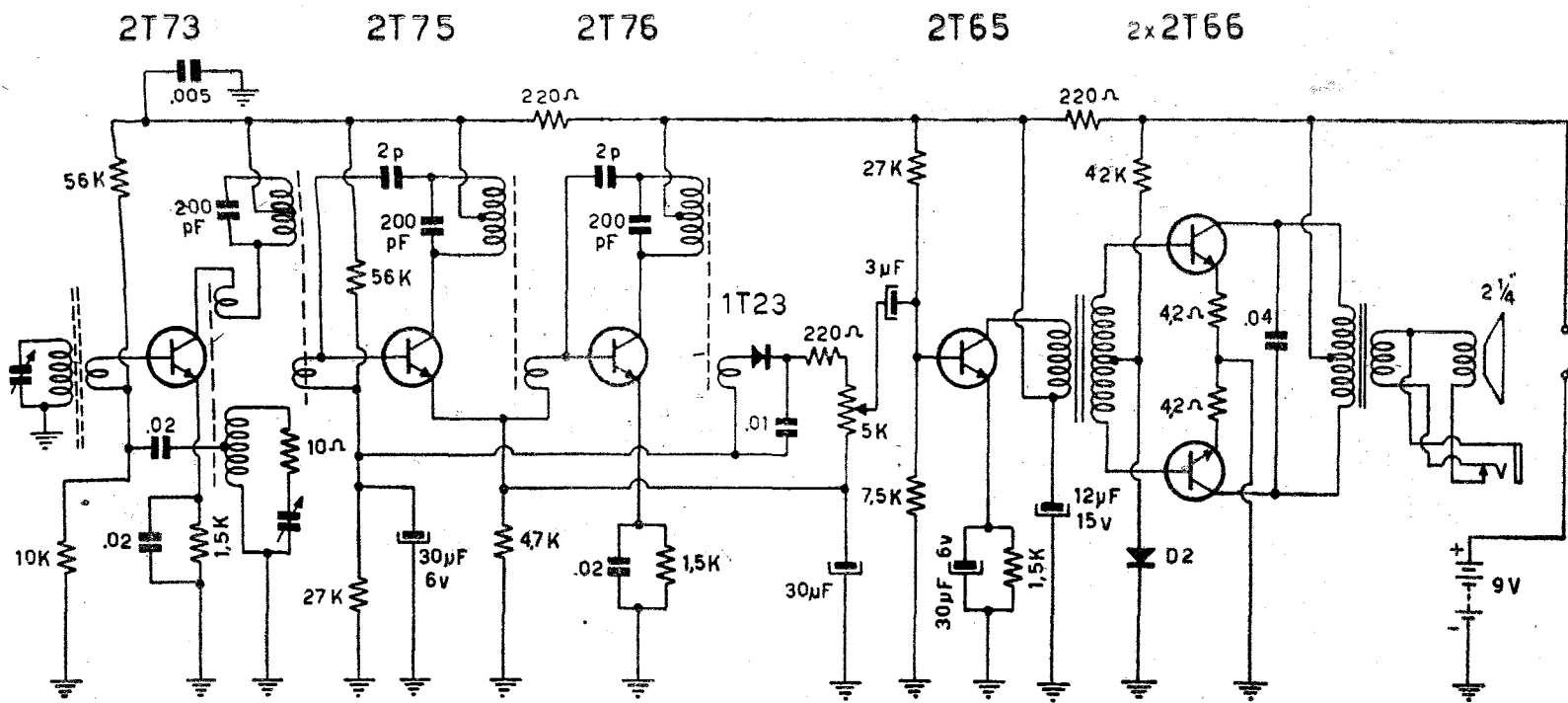
2ª PARTE

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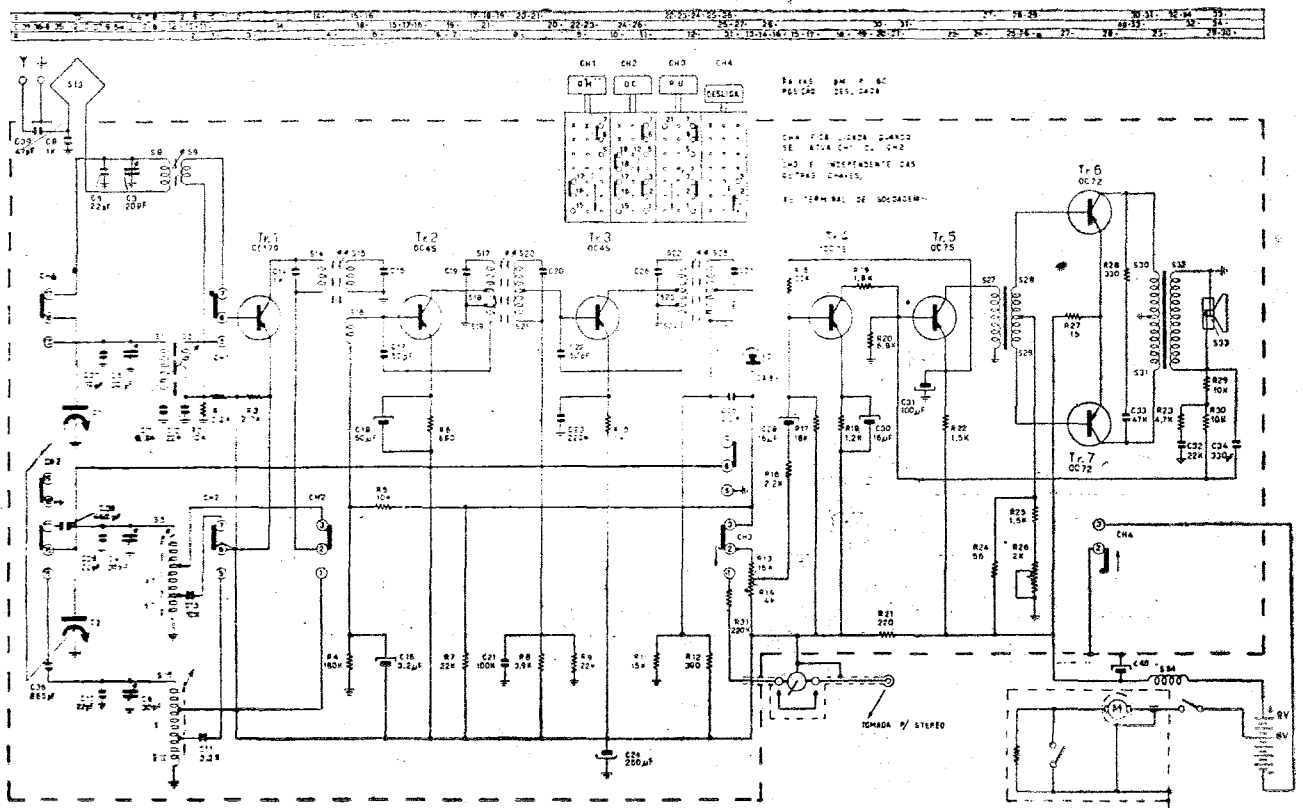


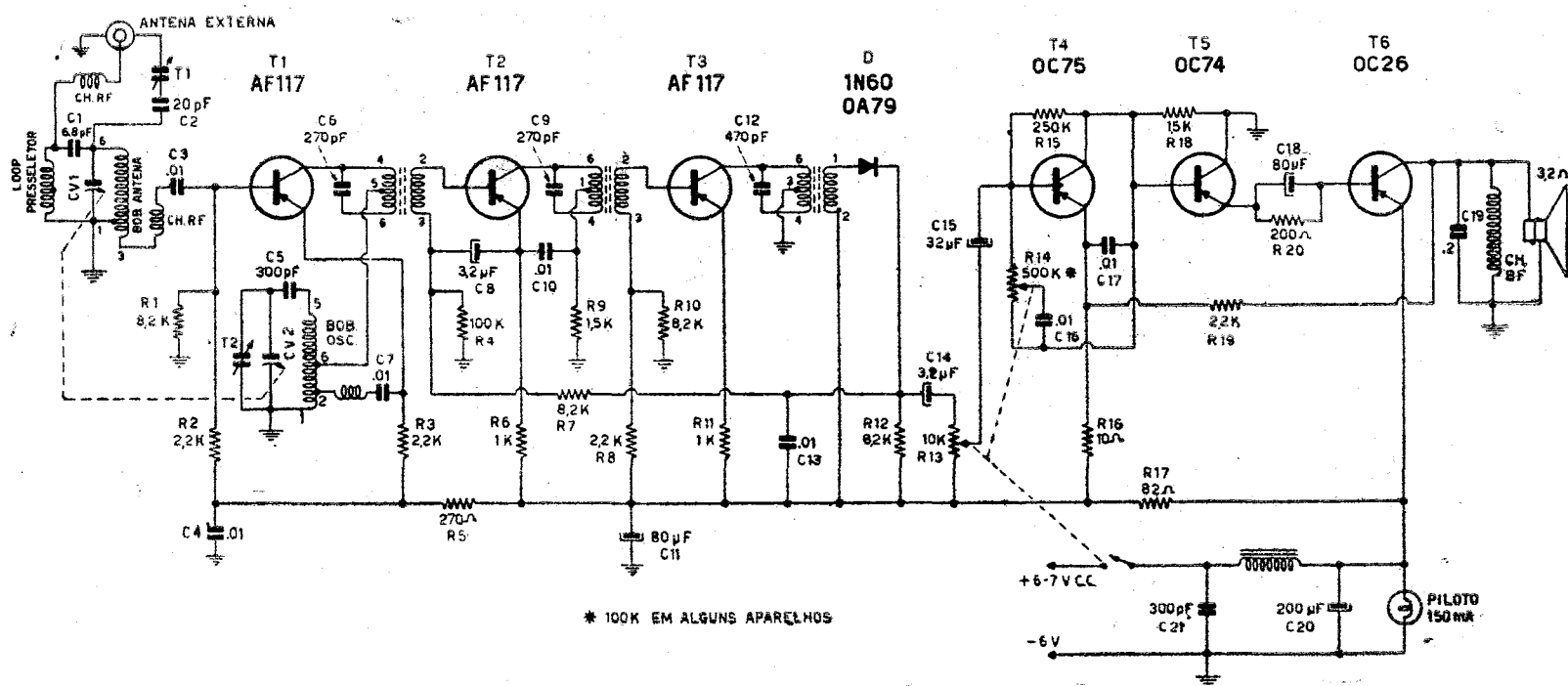
CRT, Modelo: JH - 132-T



SONY

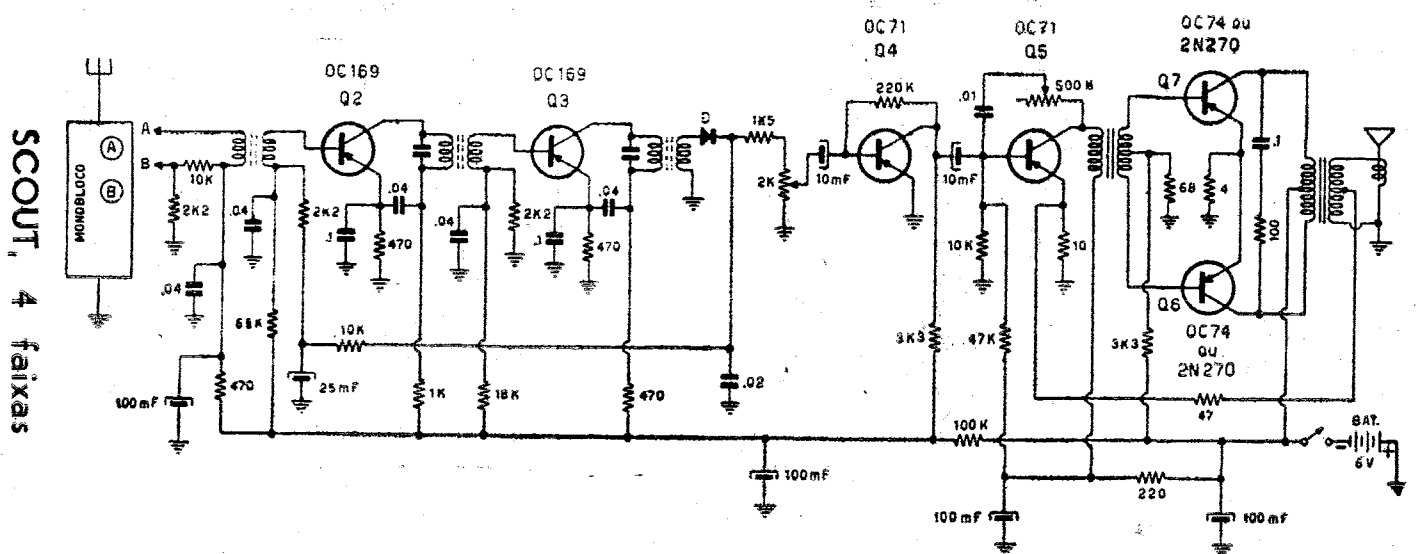
PHILIPS, Modelo: NG-1202

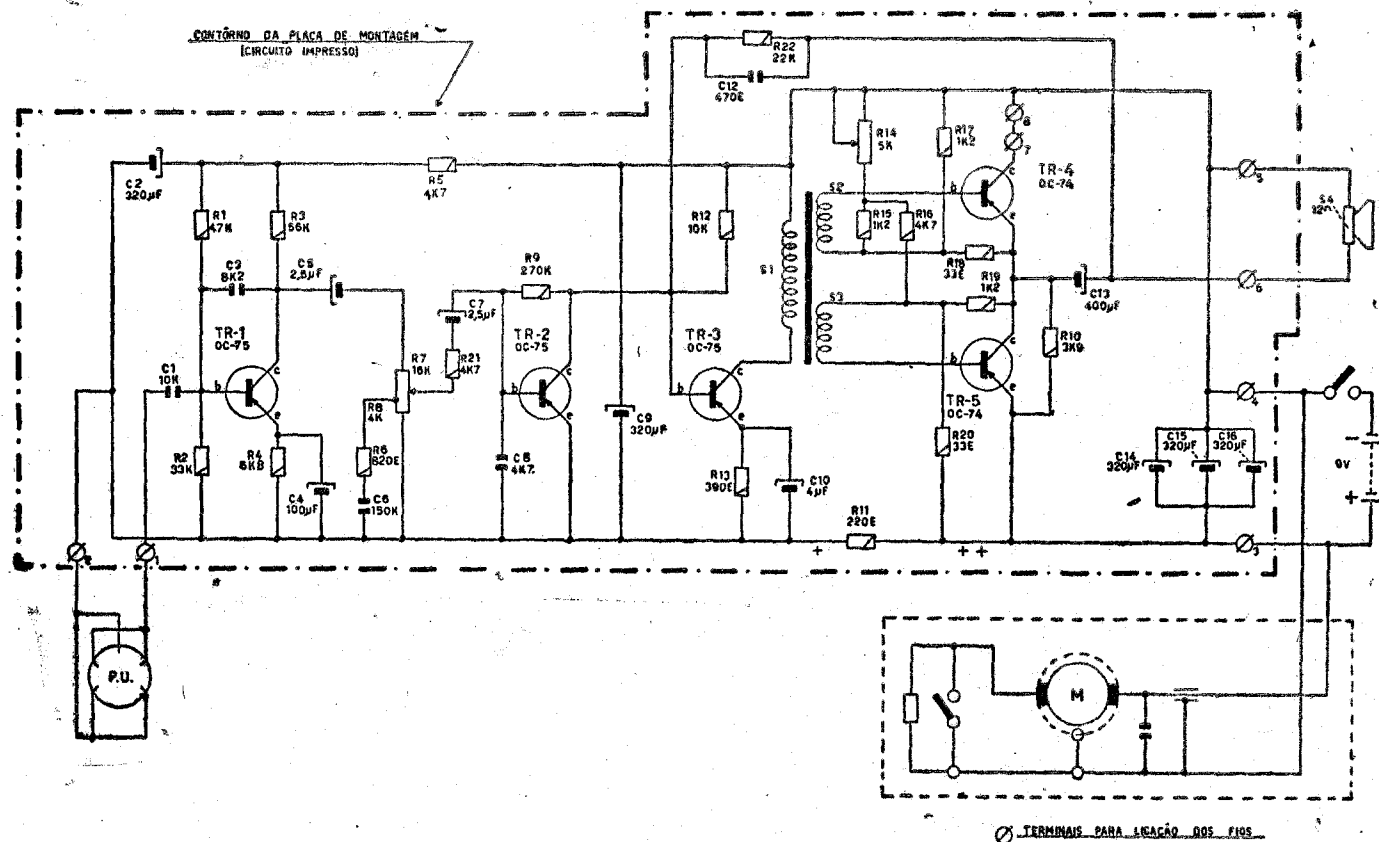




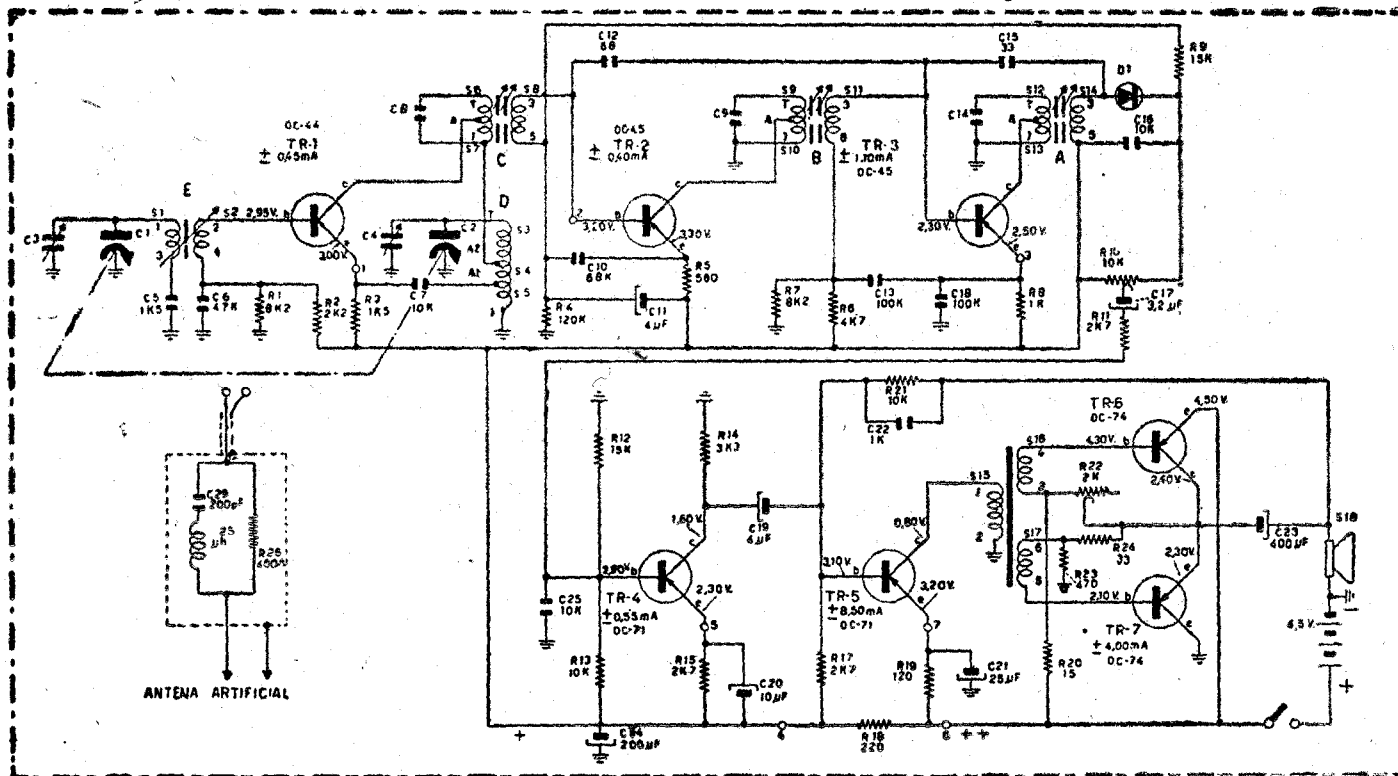
ROVELL (receptor de 1 faixa para automóvel)

F.I. = 455 KHz



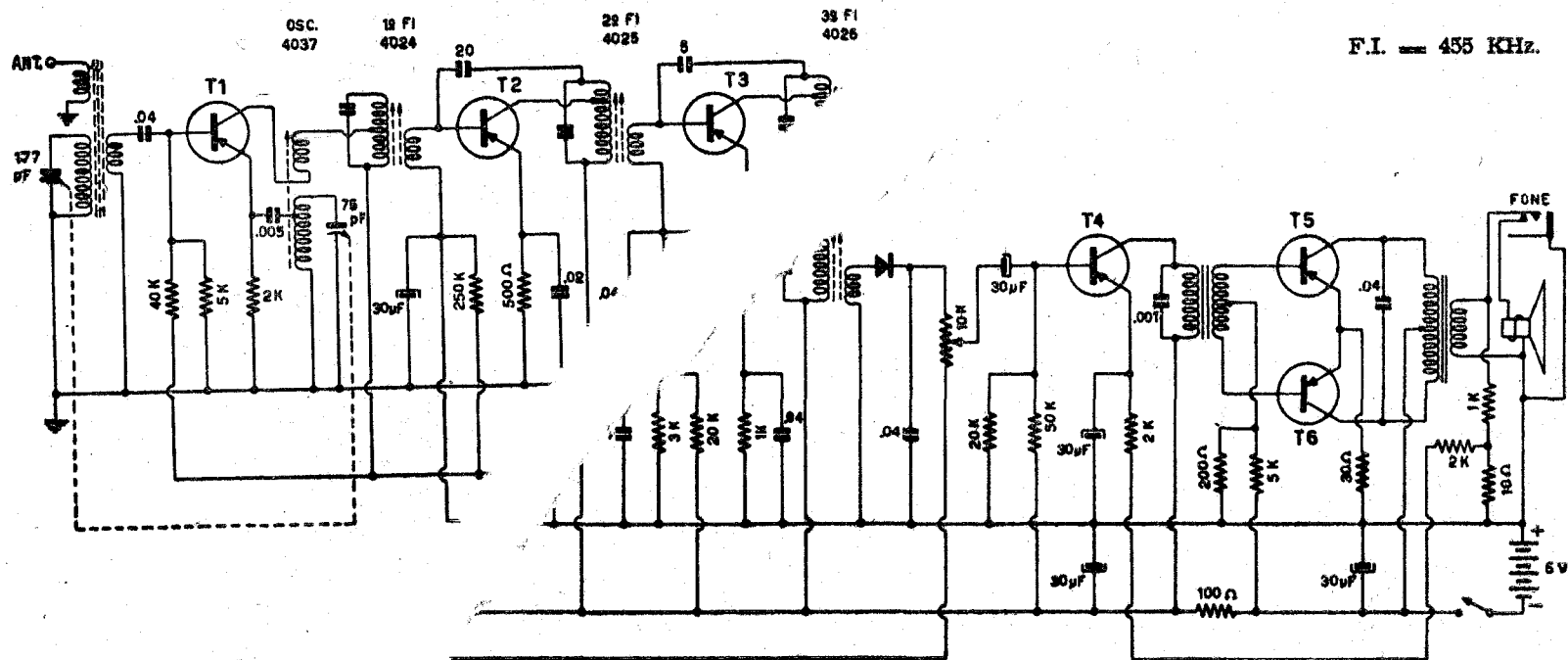


PHILIPS, Modêlo: NG-1150 (eletrofone portátil)

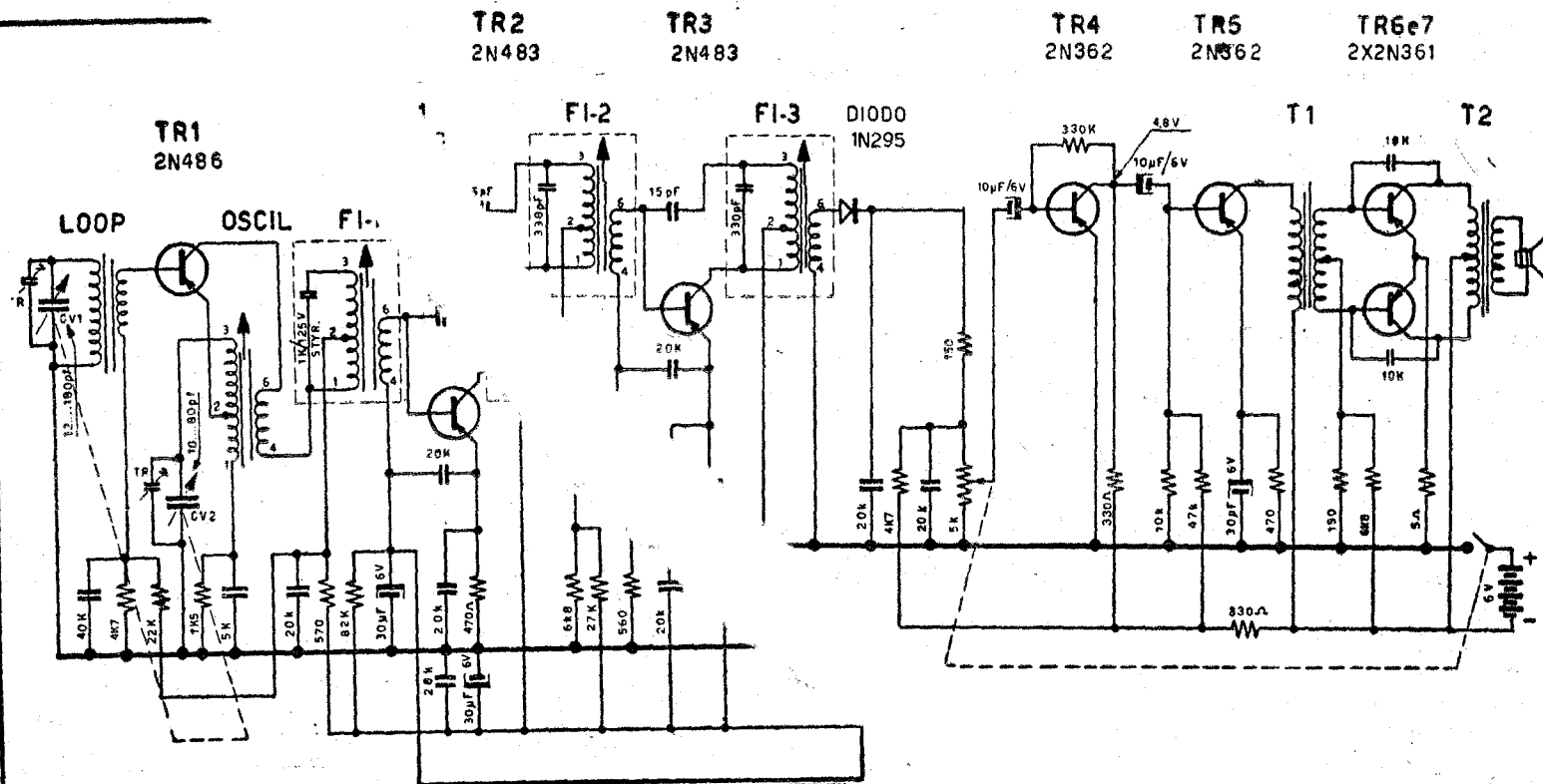


PHILIPS, Modelo: L2-R05-T

F.L. = 455 KHz.



F.I. ~~455~~ 455 KHz.



VOLTIX, Modêlo: 2RT7