

L joute RW BFO NET CAL

PH AVC

OSC CAL XAL CAL

CW PH ECOUTE LOCALE

CW PH SENSIBILITE CAL

CW PH MODULATEUR ECRAN CPL

**ÉCOLE MILITAIRE ANNEXE  
DES TRANSMISSIONS  
AGEN**

*pour rendre, on alimente 8' Emission NET  
{ Alimentation on DO D autres.*

# ATLAS DE SCHEMAS

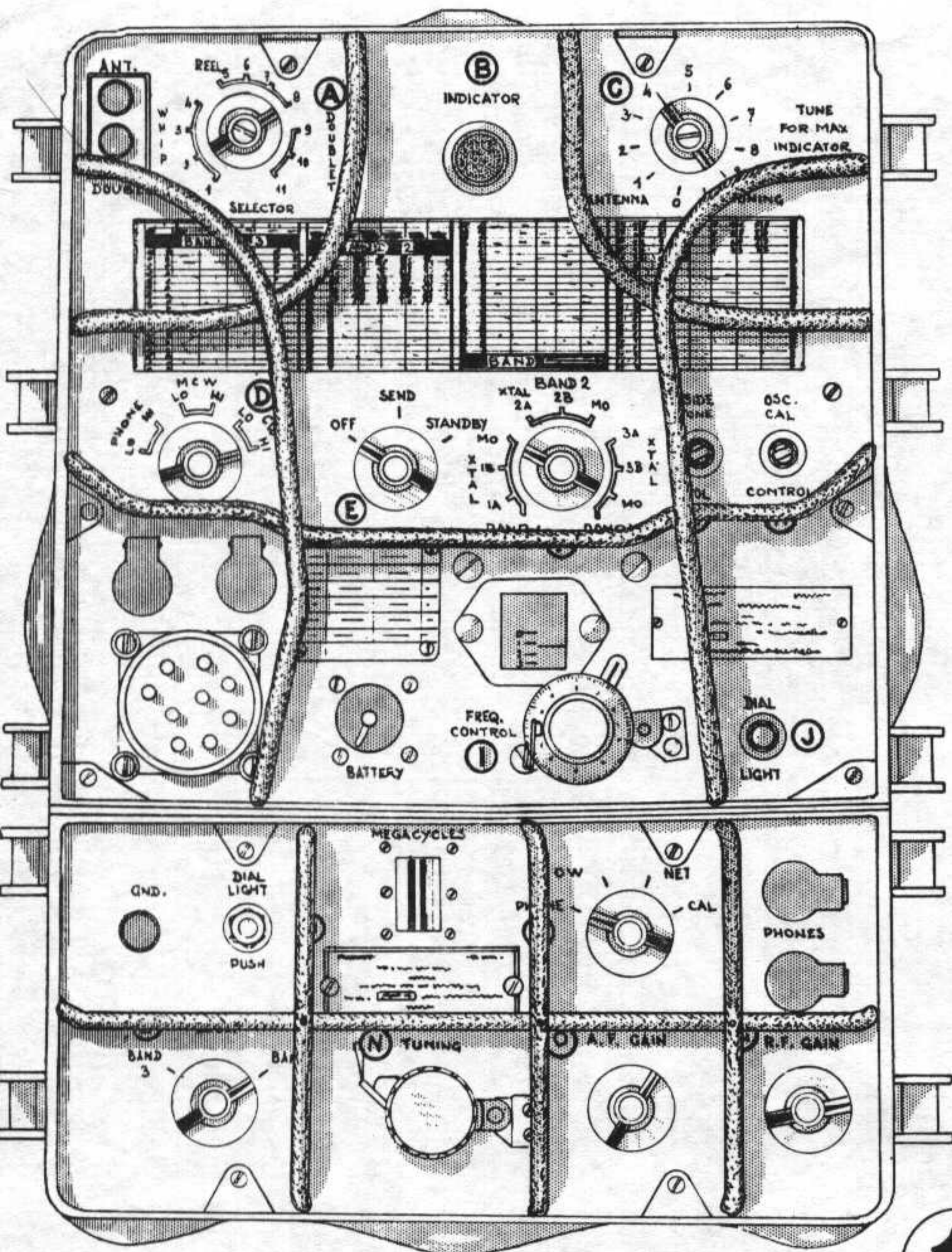
A L'USAGE

DES MECANICIENS ET DEPANNEURS RADIO

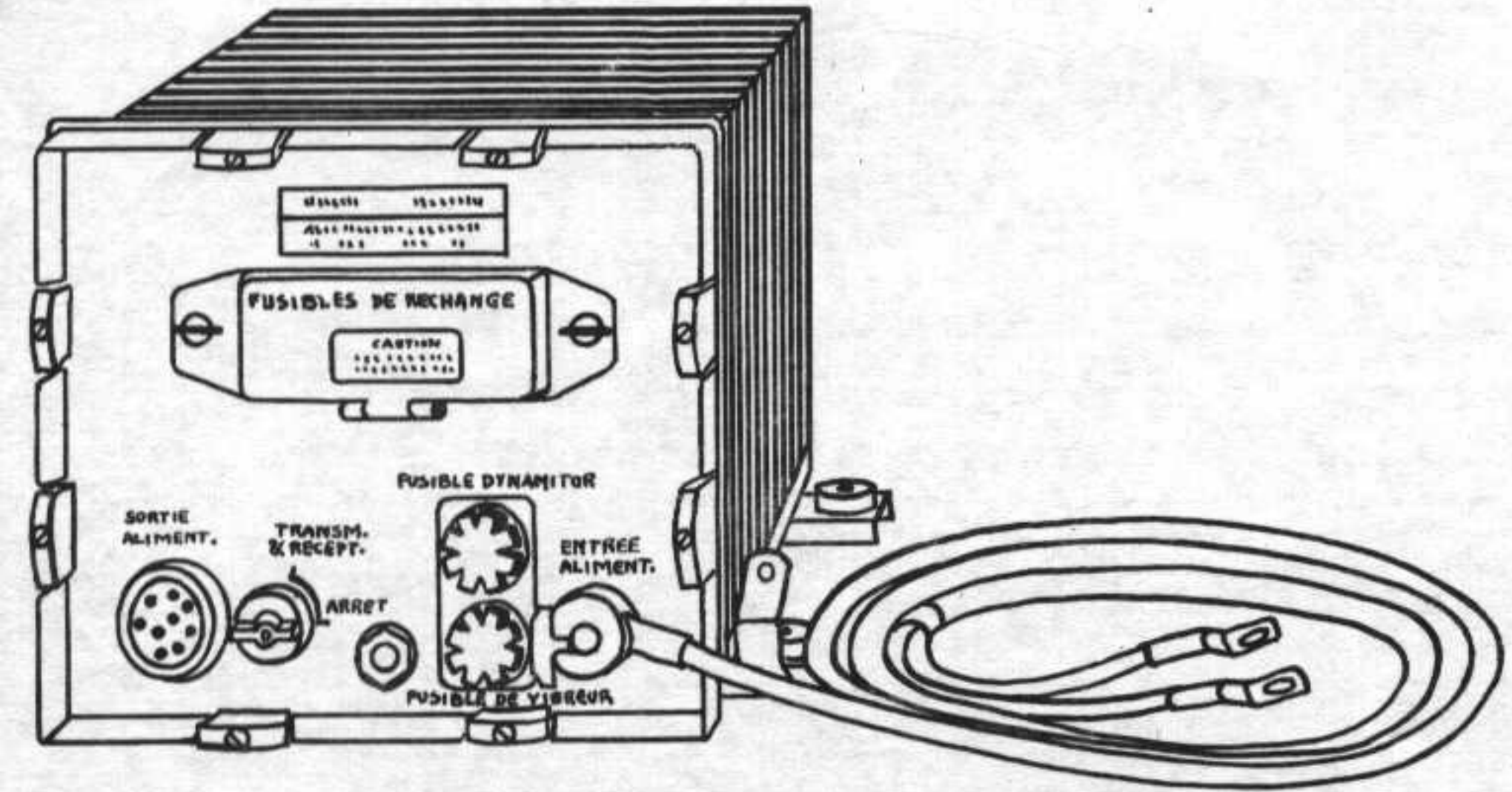
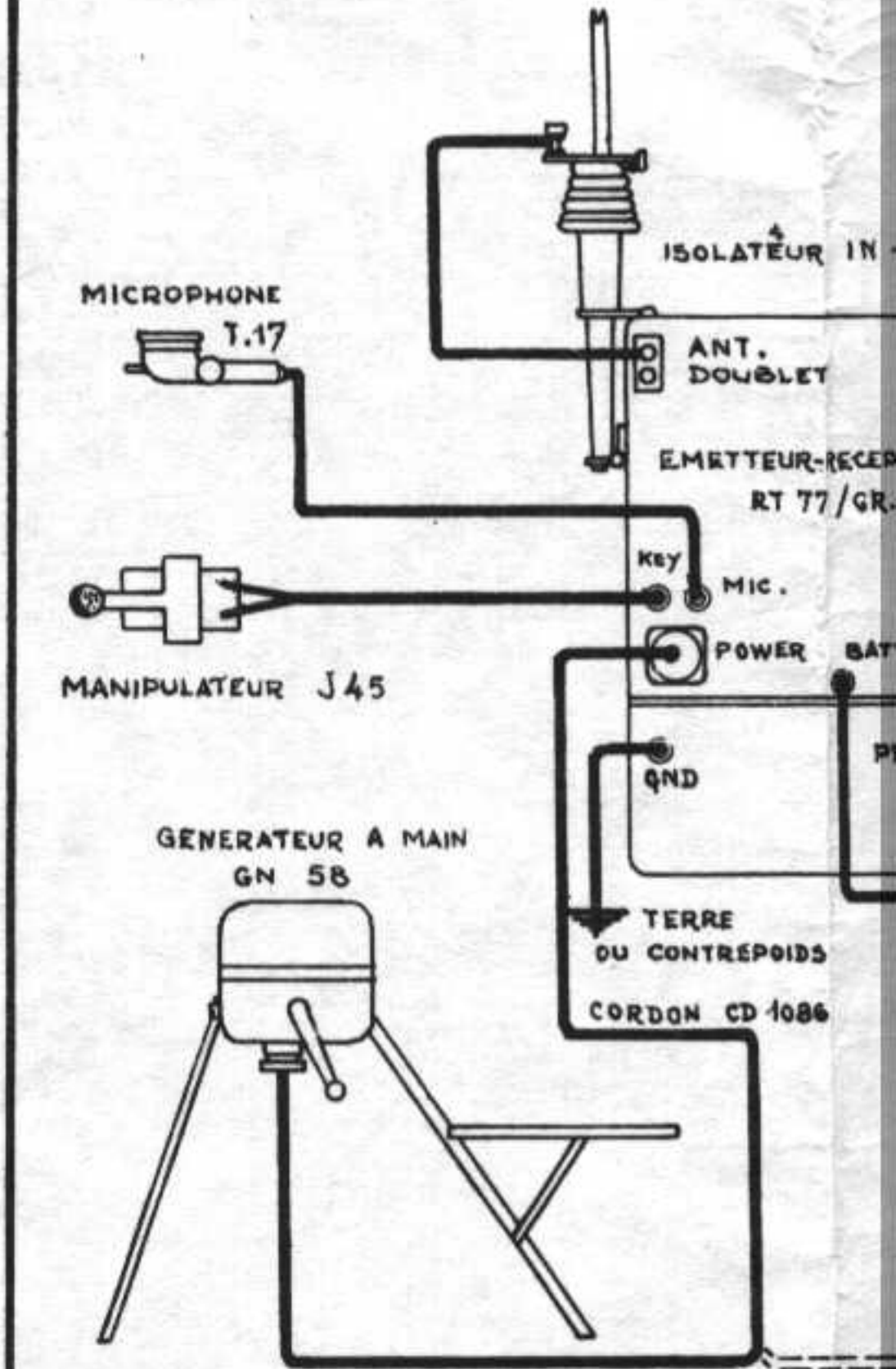
## AN/GRC-9

(RT-77)

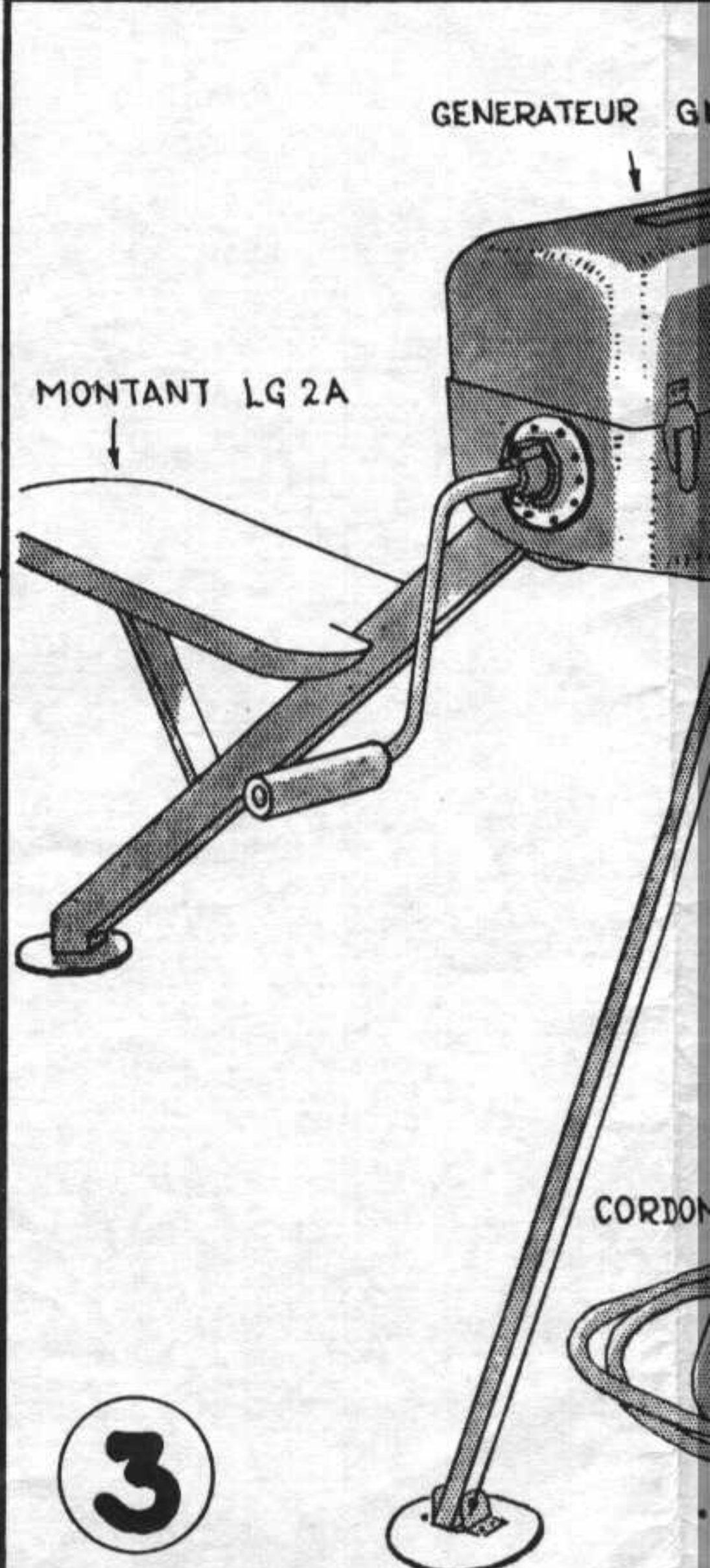
- |   |   |   |  |
|---|---|---|--|
| ① | Vue de face - Emetteur - Récepteur.       | ⑫ | Montage du relais K-102.                             |
| ② | Alimentation sur véhicule. DY-88.         | ⑬ | Circuit de l'oscillateur d'étalonnage à quartz.      |
| ③ | Alimentation à terre. GN-58.              | ⑭ | Schéma de l'oscillateur de battement.                |
| ④ | Interconnexions du RT-77.                 | ⑮ | Schéma de la partie détection.                       |
| ⑤ | Diagramme de principe de l'émetteur.      | ⑯ | Schéma de la partie BF du récepteur.                 |
| ⑥ | Lecture du cadran de l'émetteur.          | ⑰ | Schéma simplifié du MO (fonctionnement sans quartz). |
| ⑦ | Schéma général de l'émetteur.             | ⑱ | Schéma simplifié du MO (fonctionnement avec quartz). |
| ⑧ | Schéma général du récepteur.              | ⑲ | Schéma simplifié du PA (position "LOW").             |
| ⑨ | Diagramme de principe du récepteur.       | ⑳ | Schéma général de l'alimentation DY-88/GRC-9.        |
| ⑩ | Schéma du circuit filaments du récepteur. | ㉑ | Schéma simplifié de l'émetteur du RT-77/GRC-9.       |
| ⑪ | Brochage du cordon d'alimentation.        | ㉒ | Schéma simplifié du récepteur du RT-77/GRC-9.        |



1



2

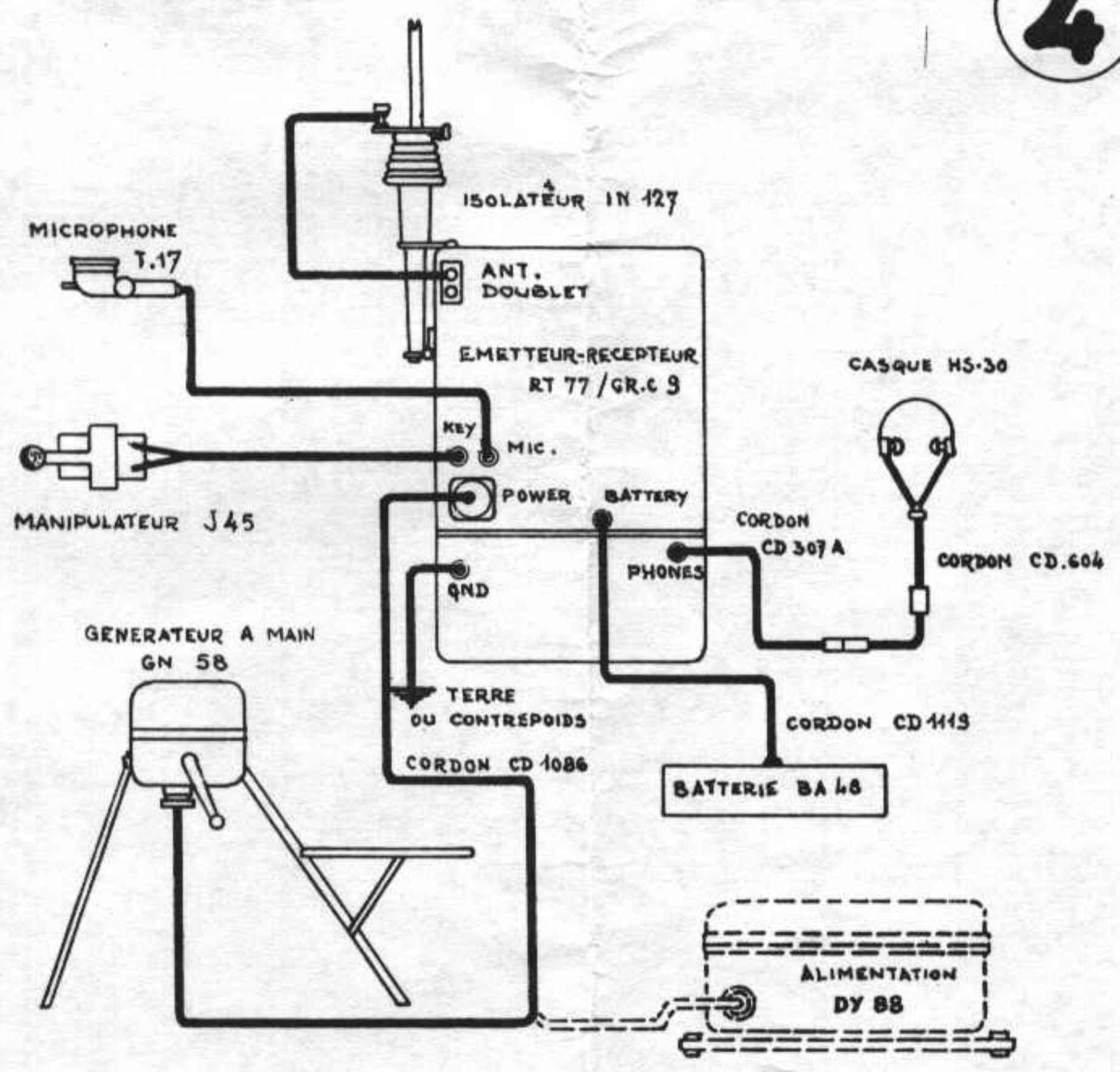


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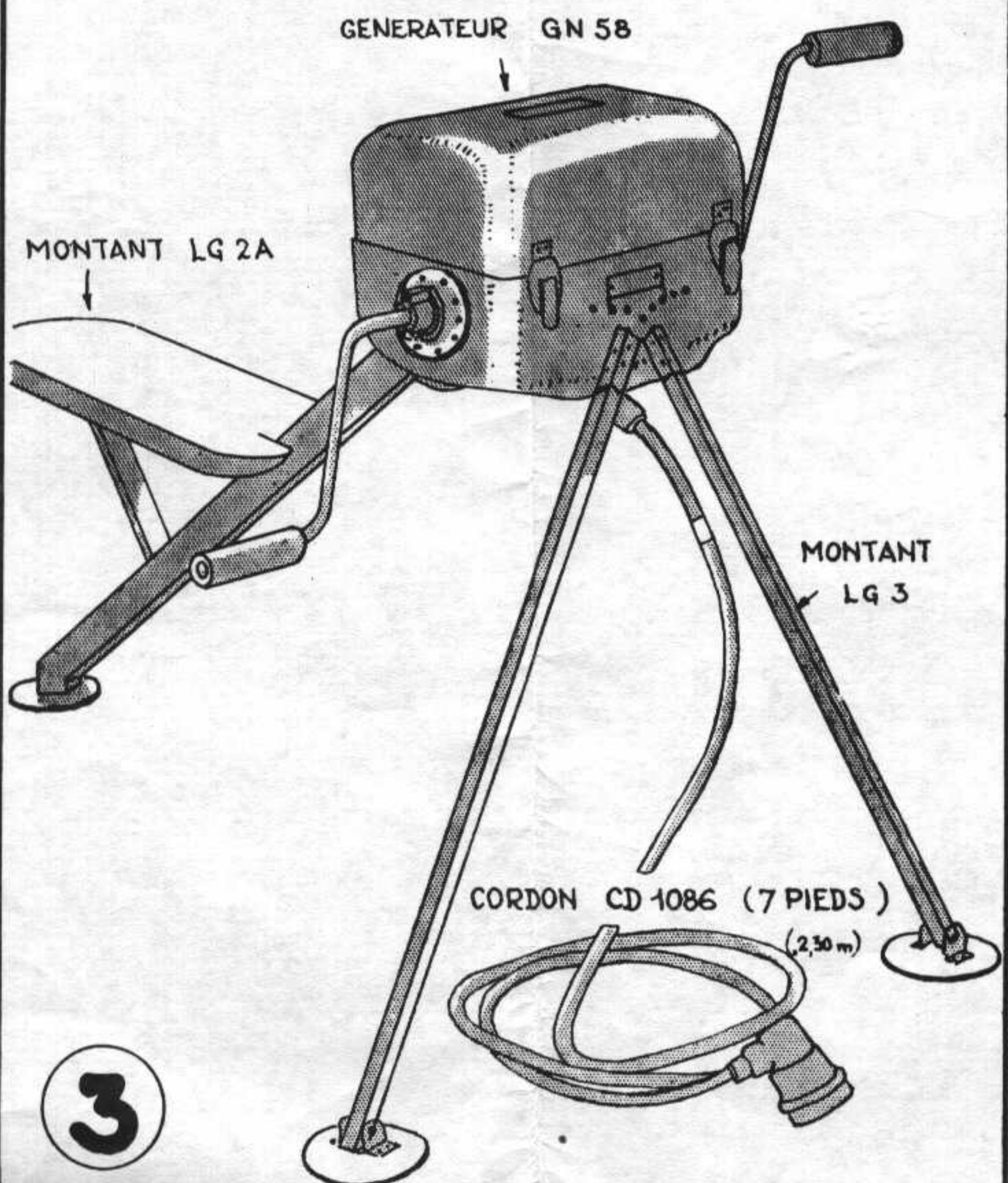


4

MAITRE OSCILLATEUR  
V 101  
3 A 4

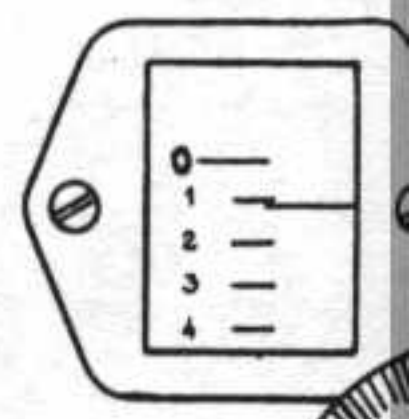


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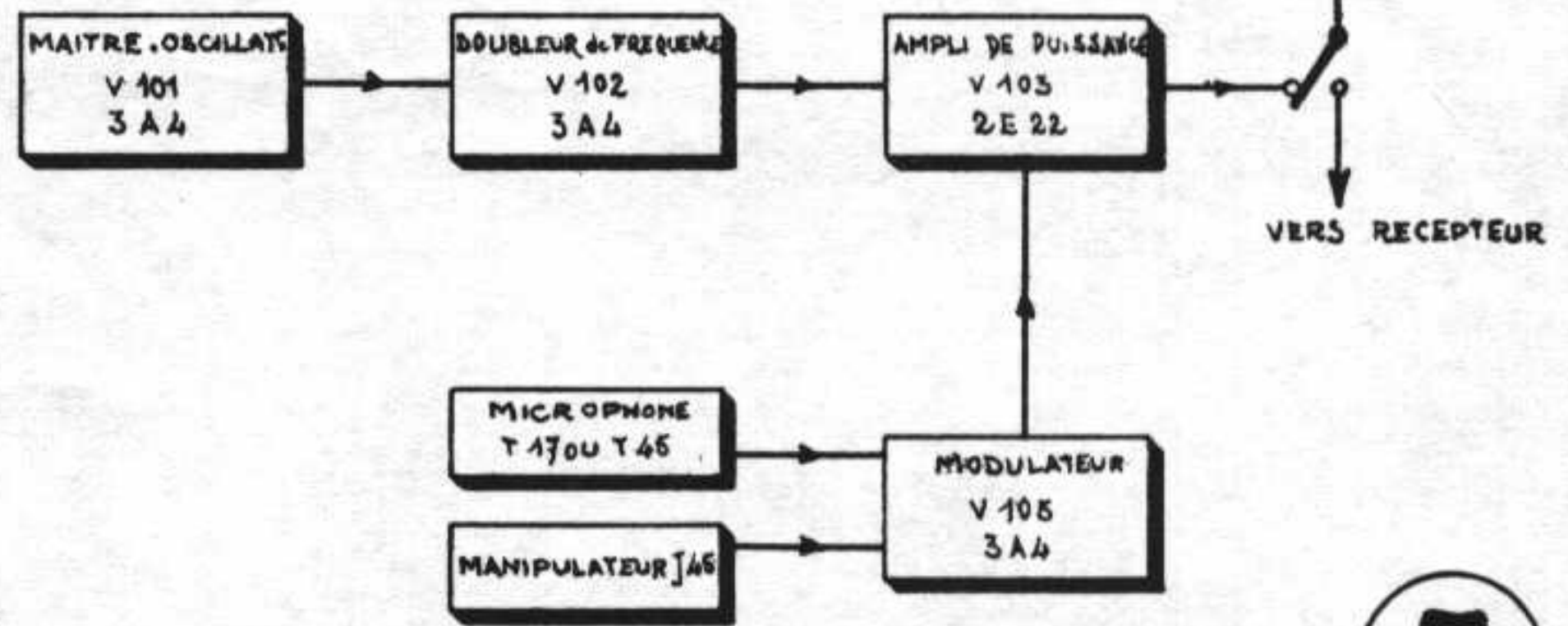
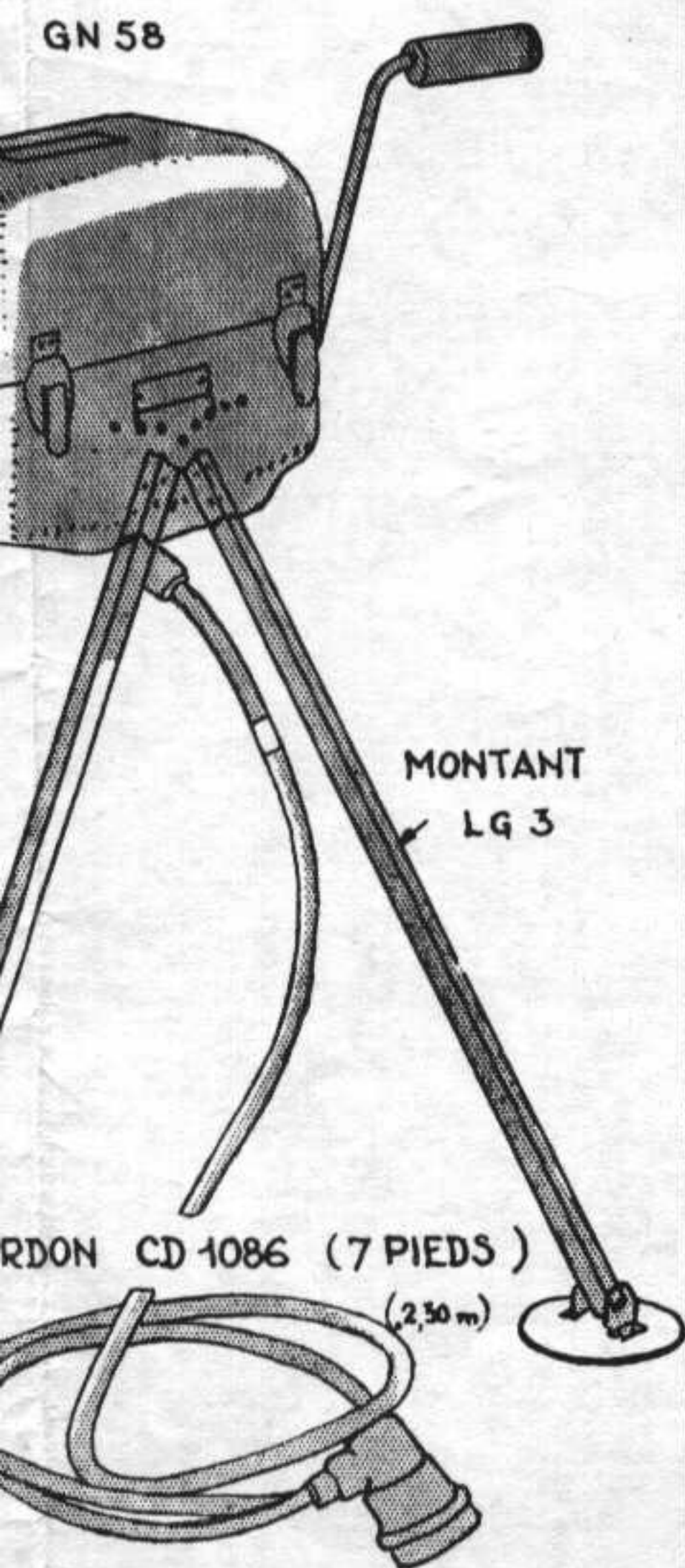
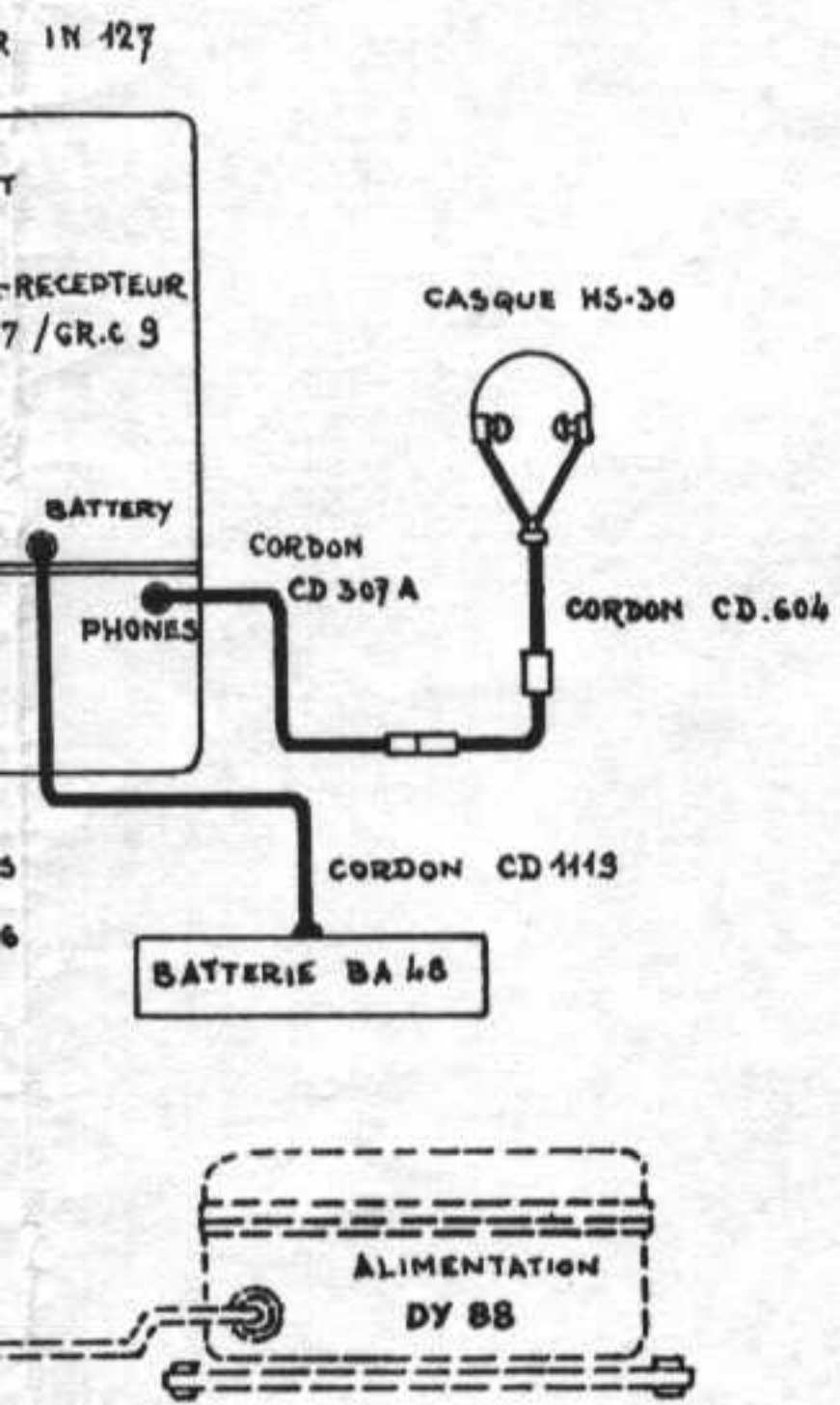


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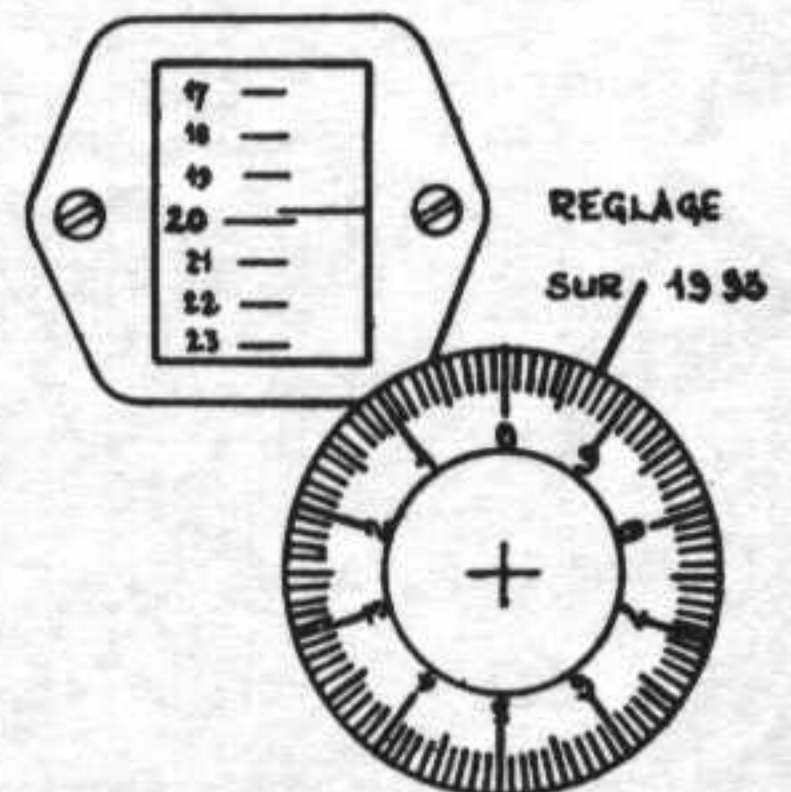
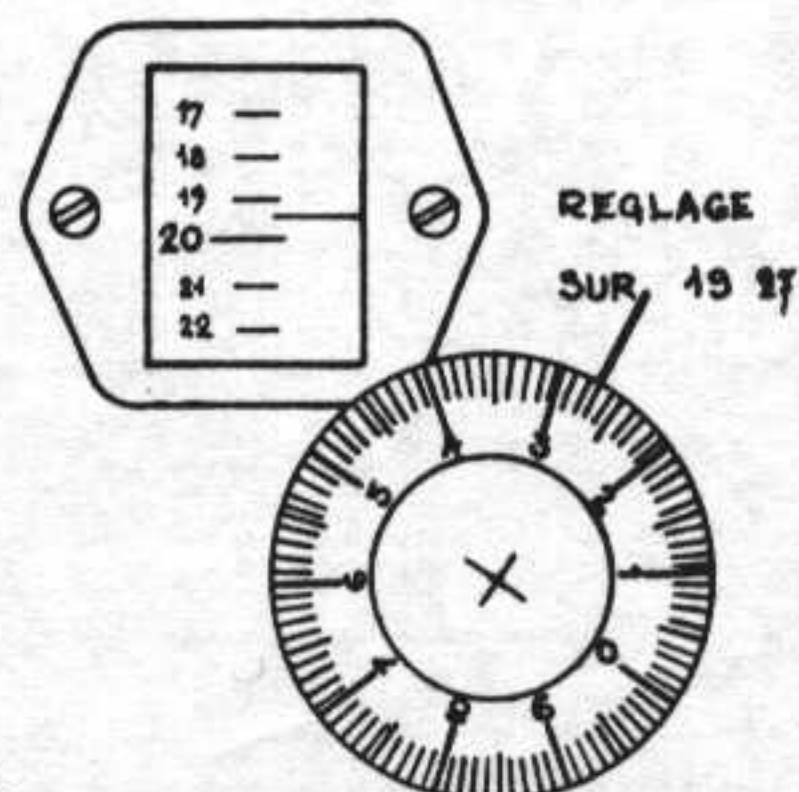
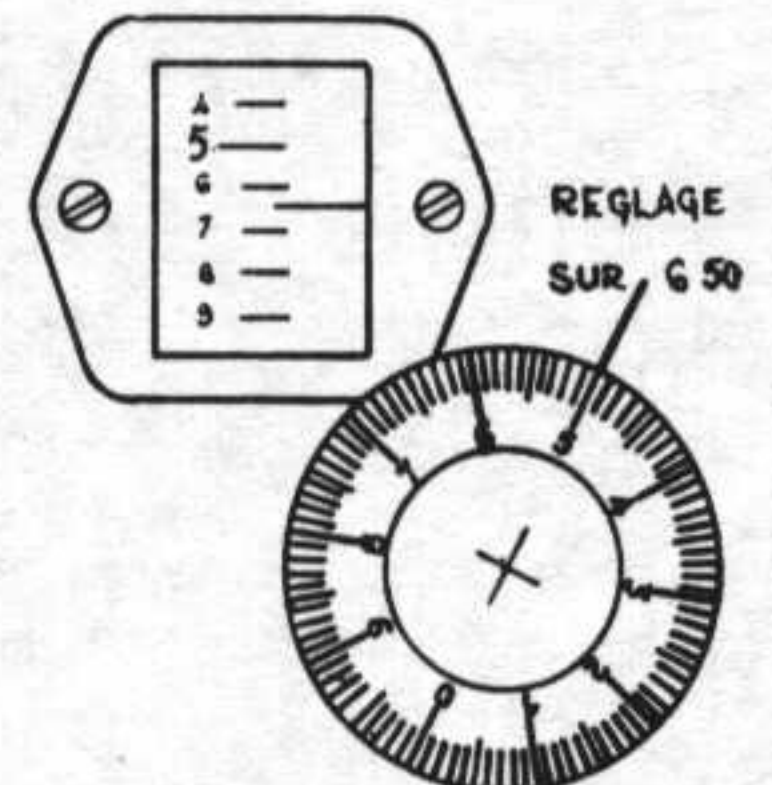
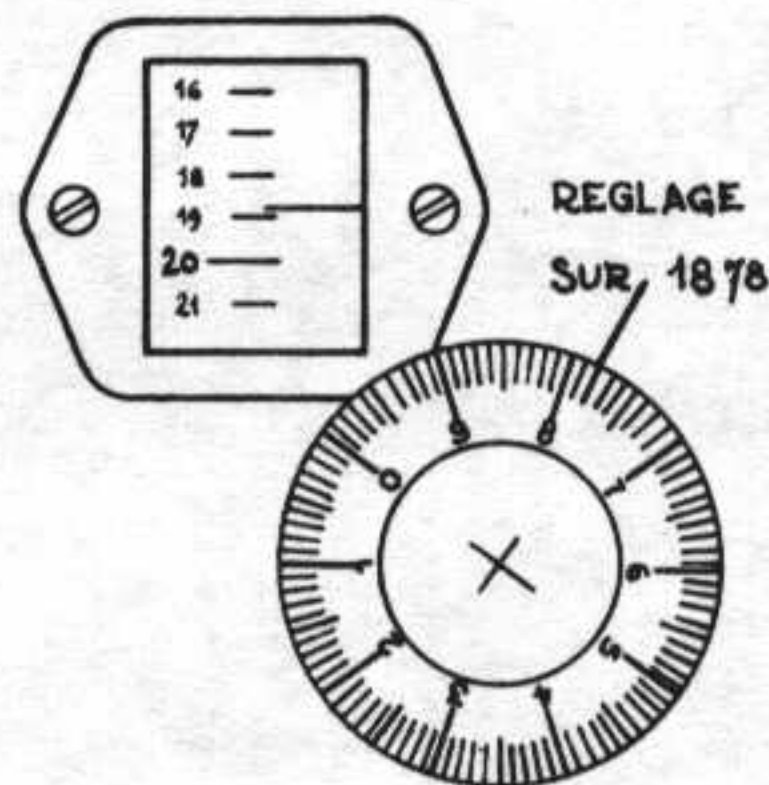
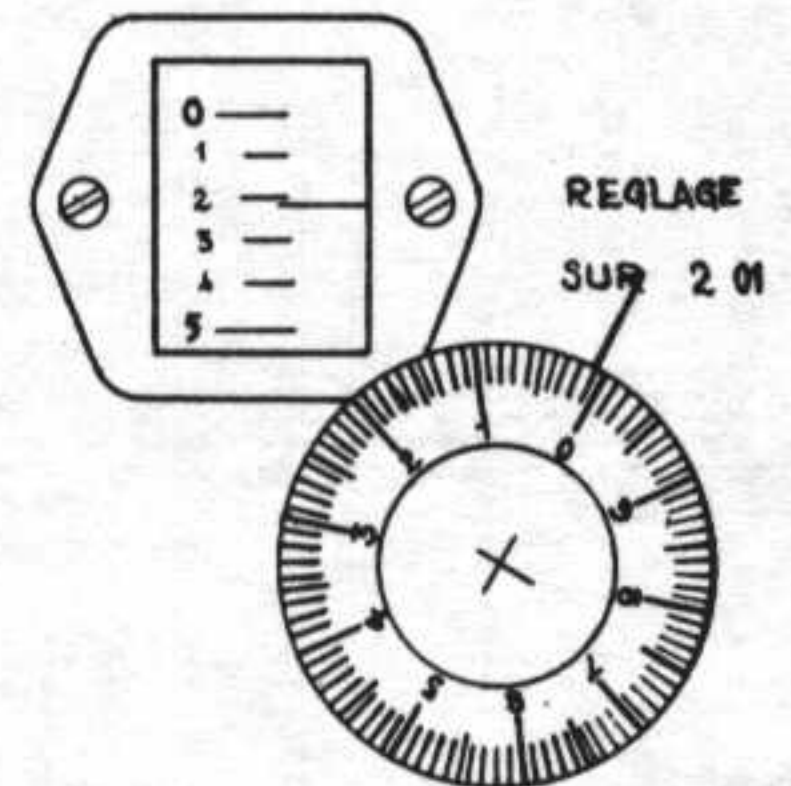
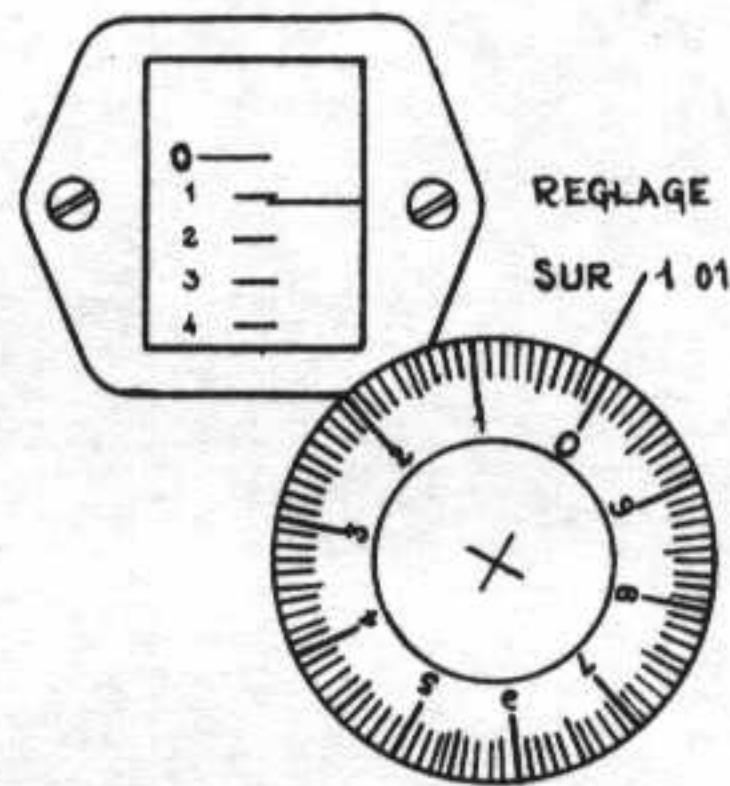
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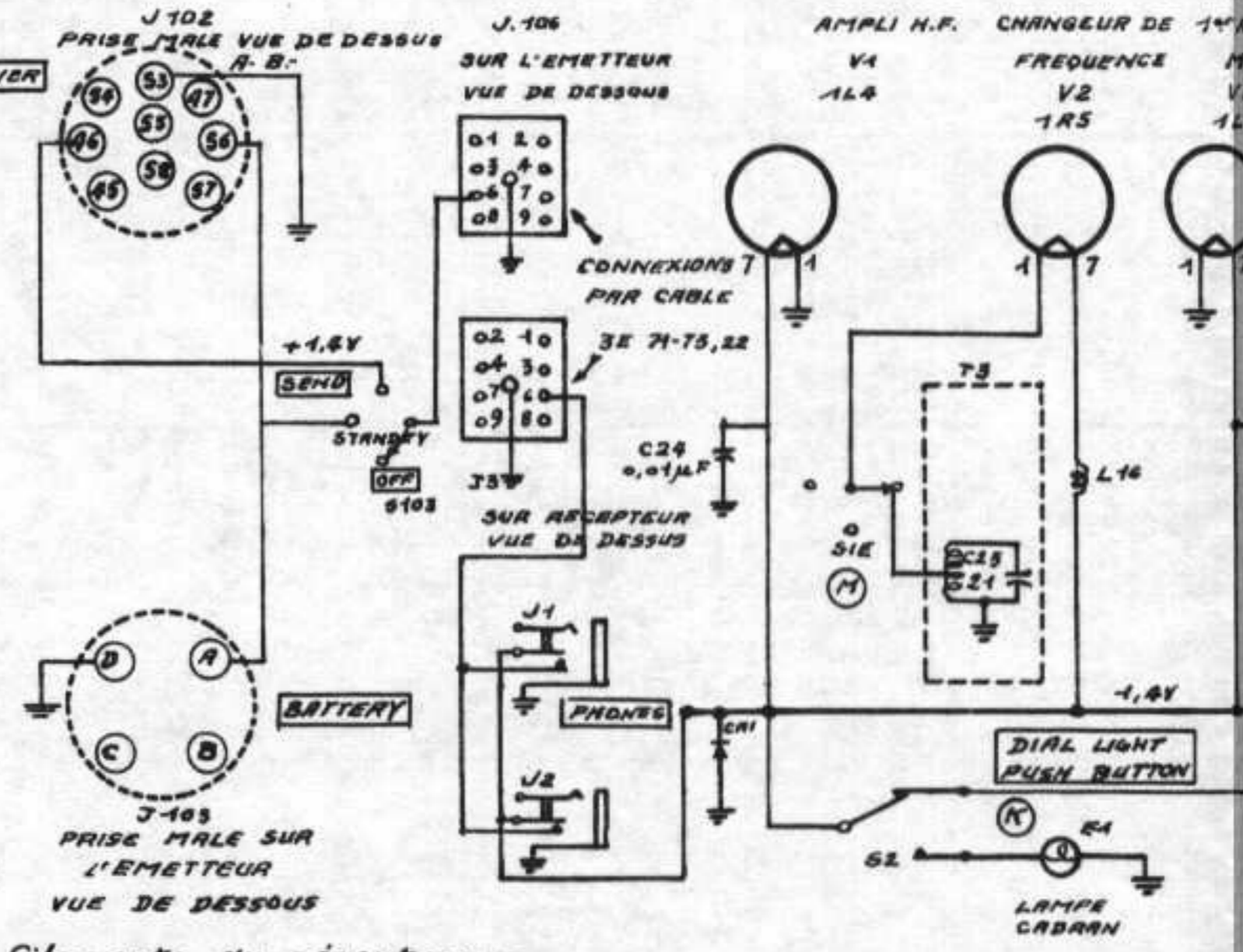
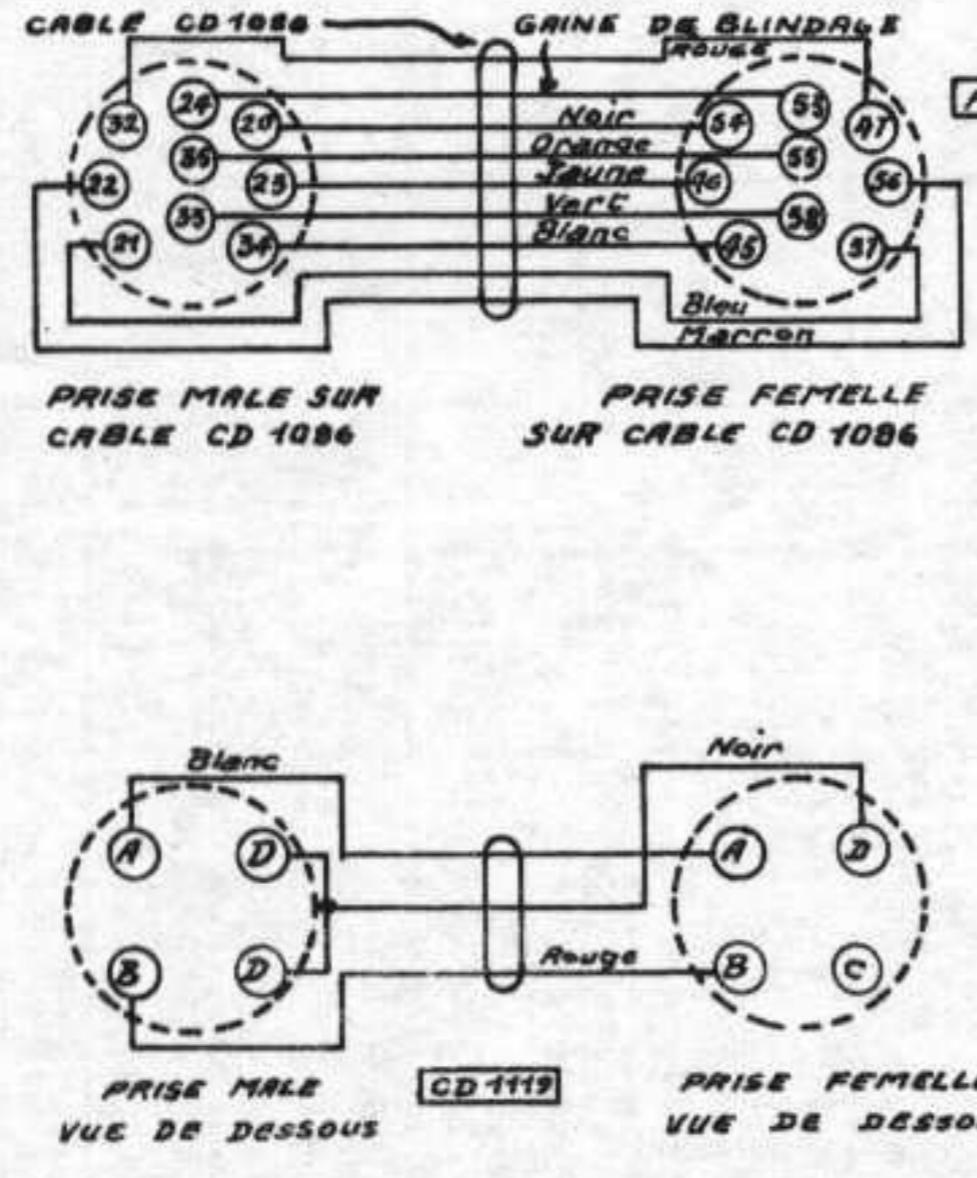
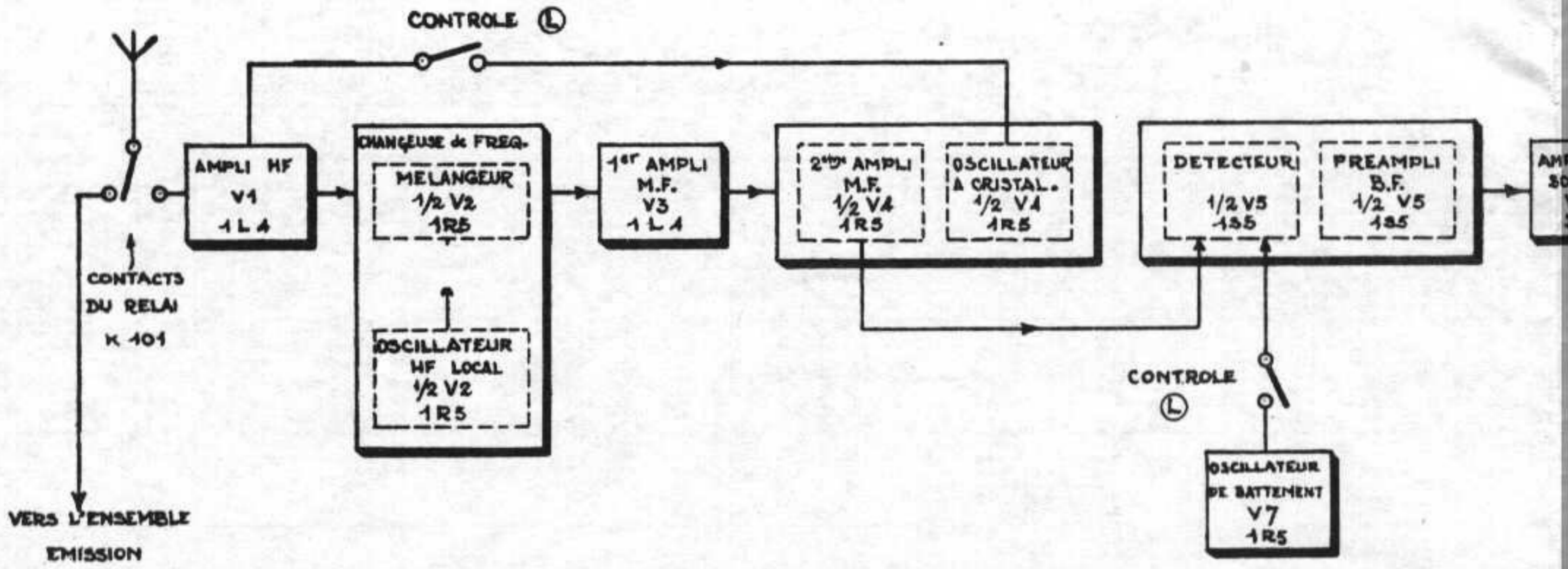
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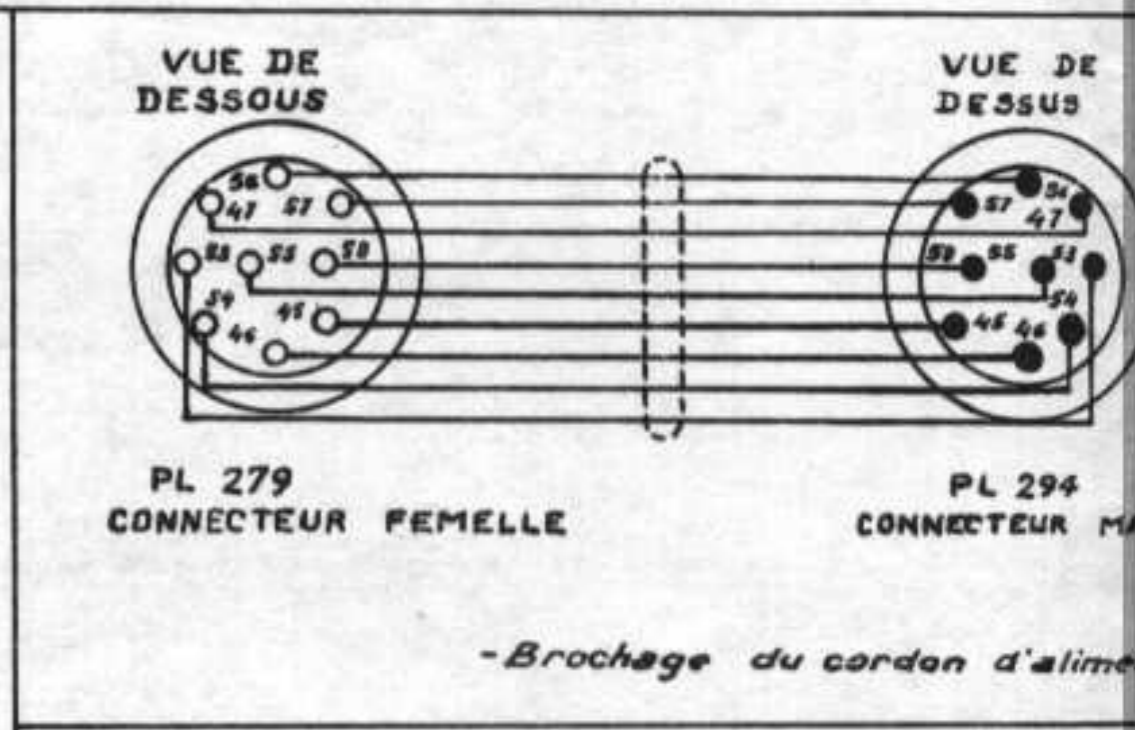
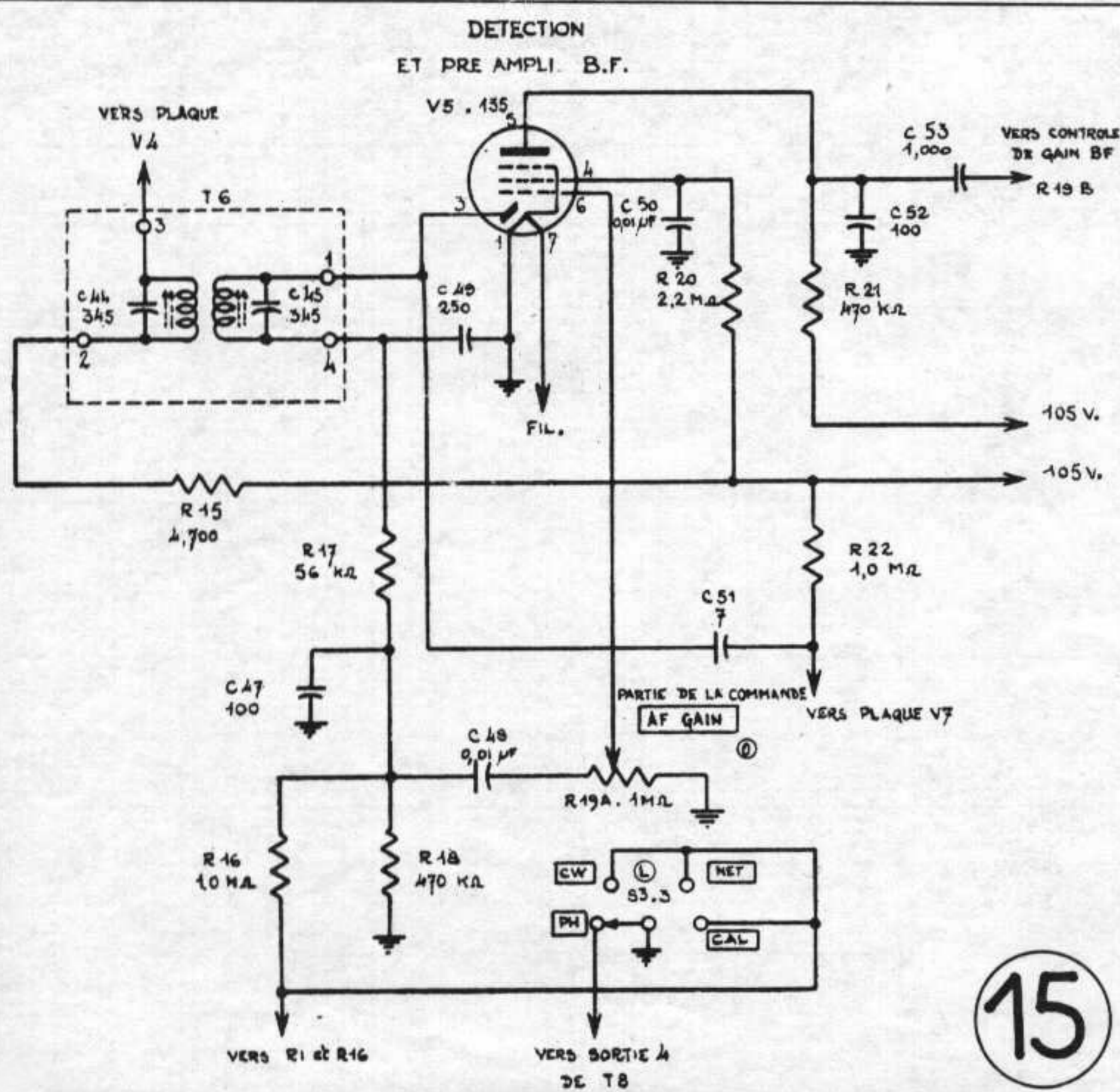
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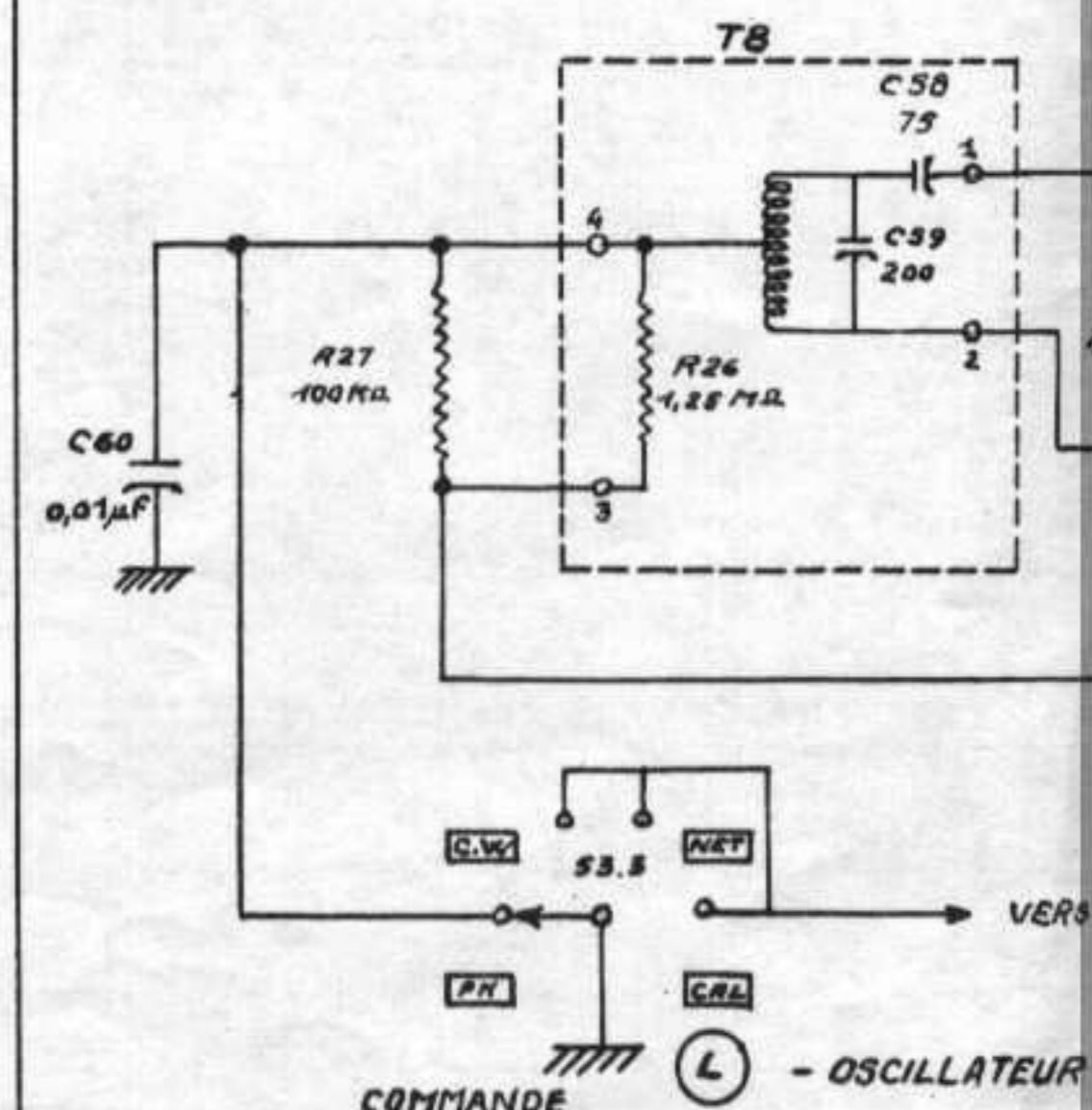
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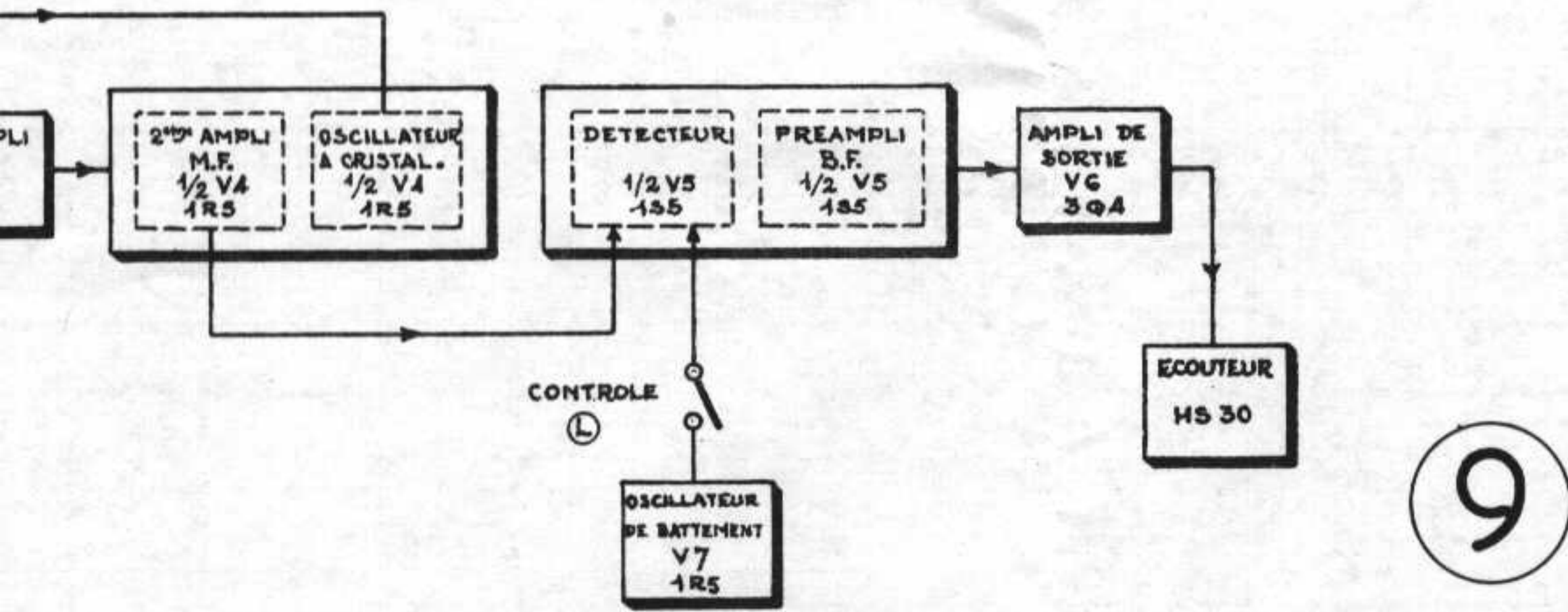


- Alimentation des circuits filaments du récepteur. -

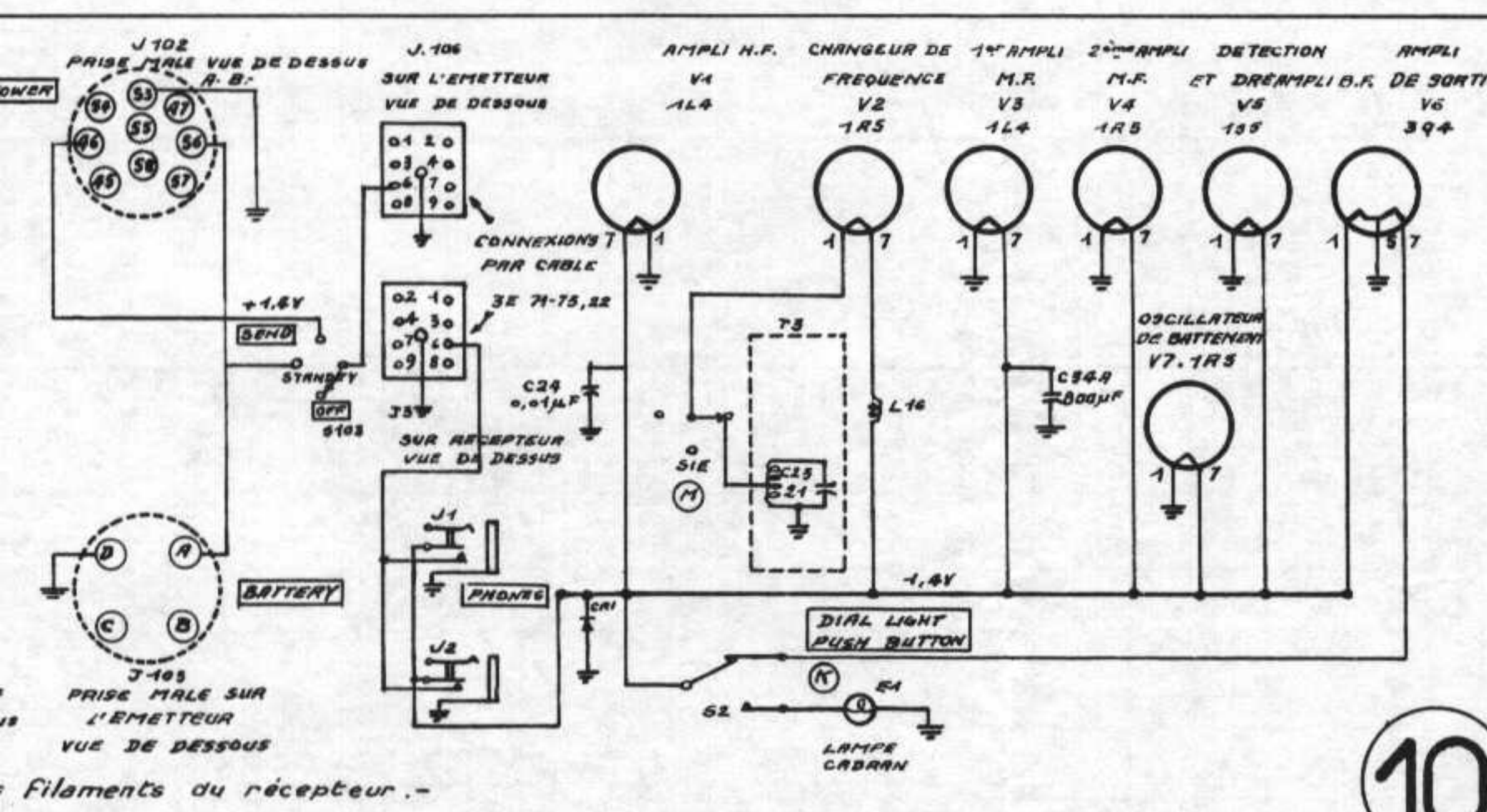
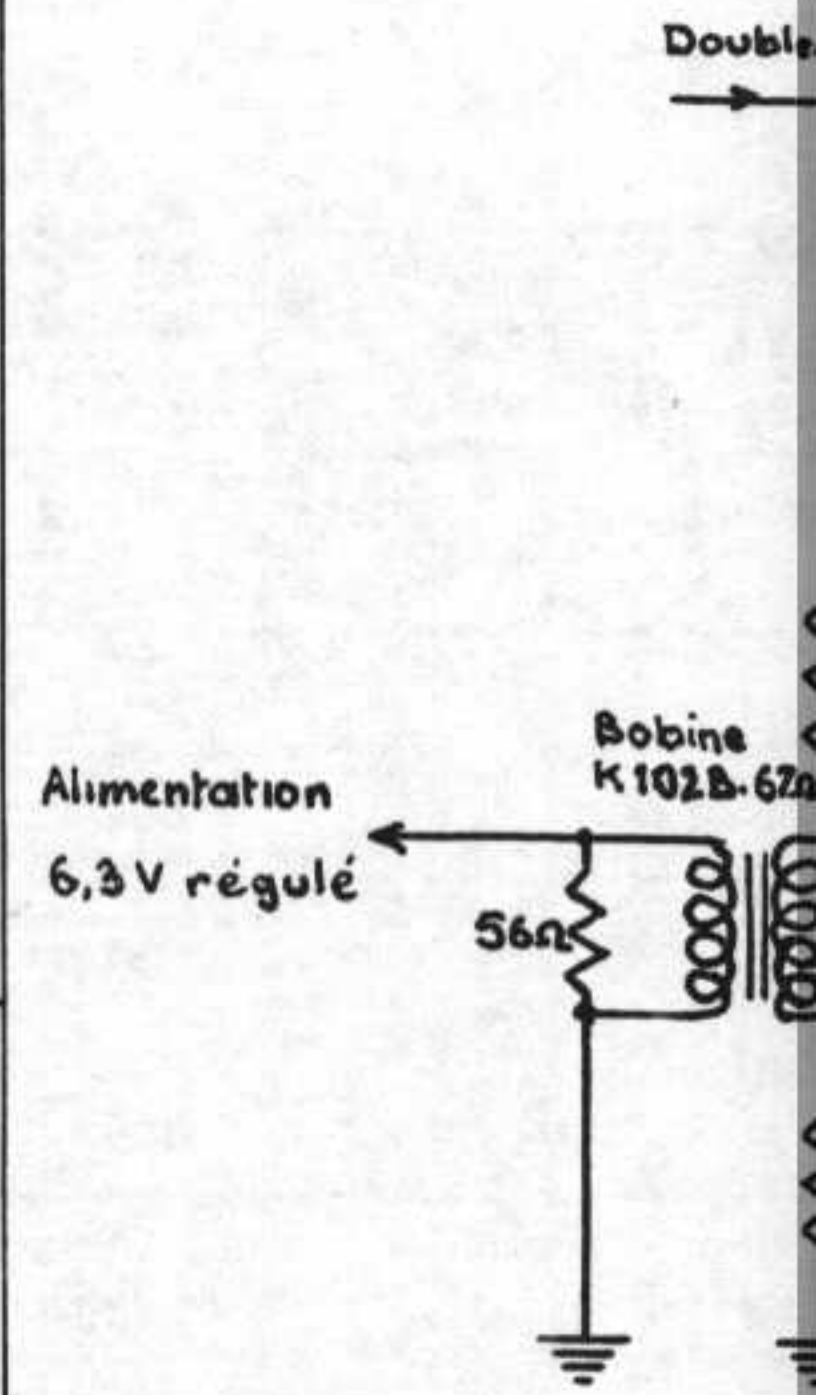


- Brochage du cordon d'alimentation -

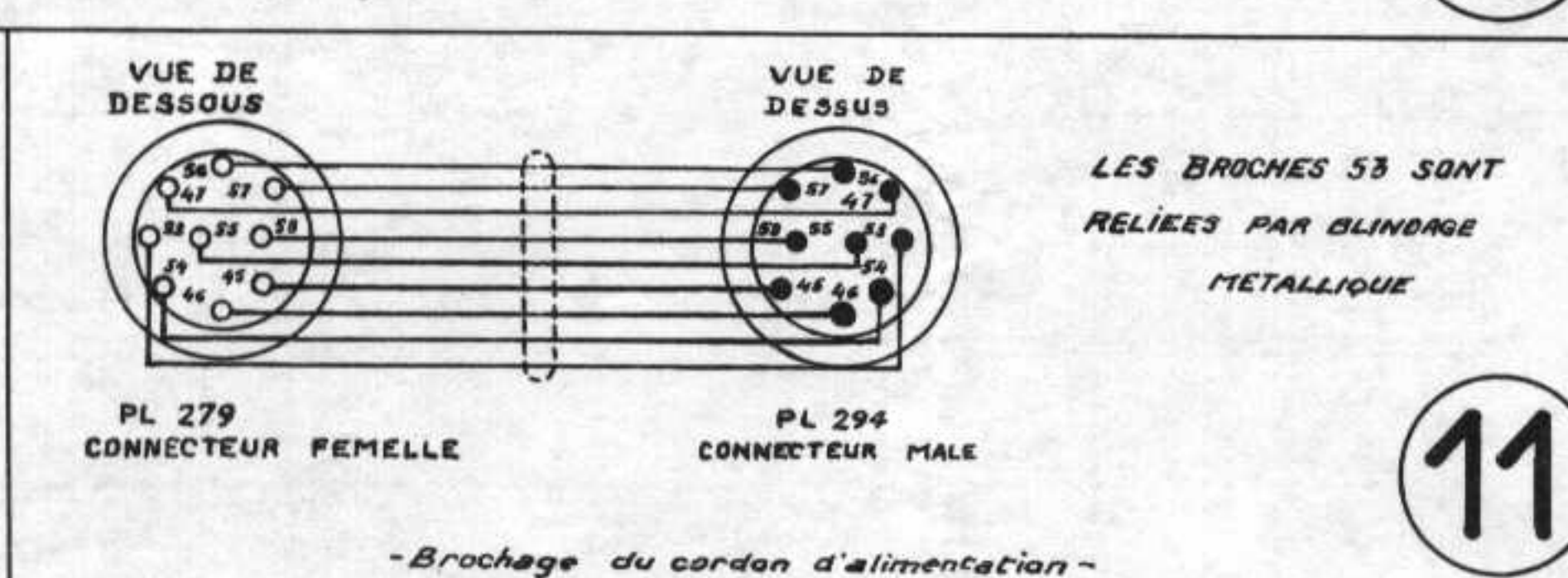
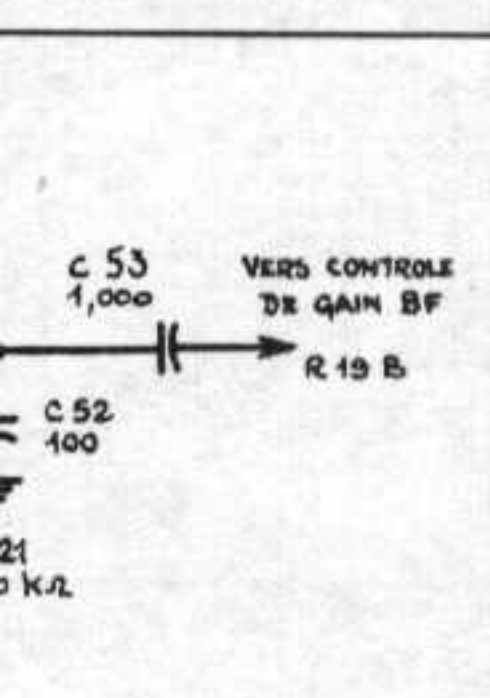
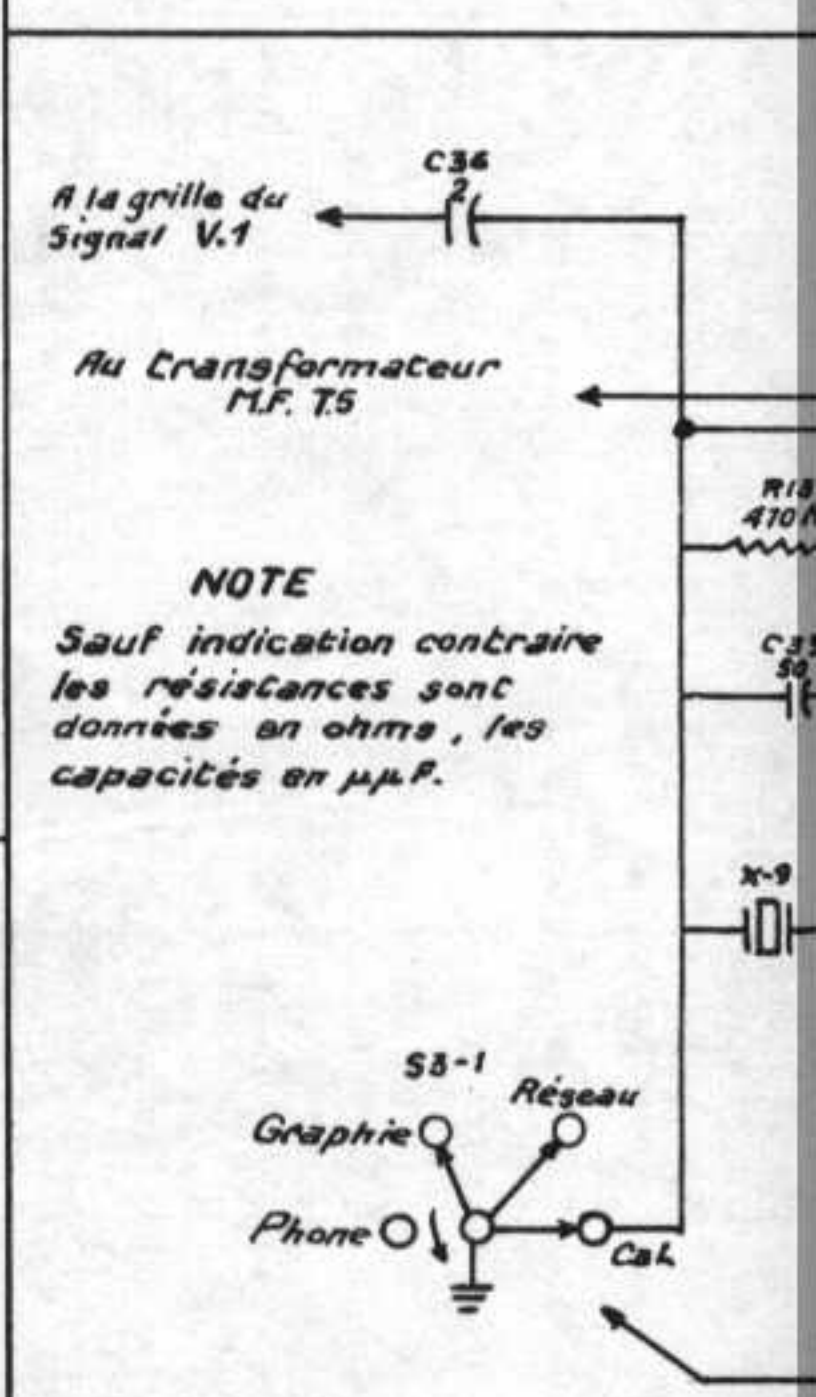




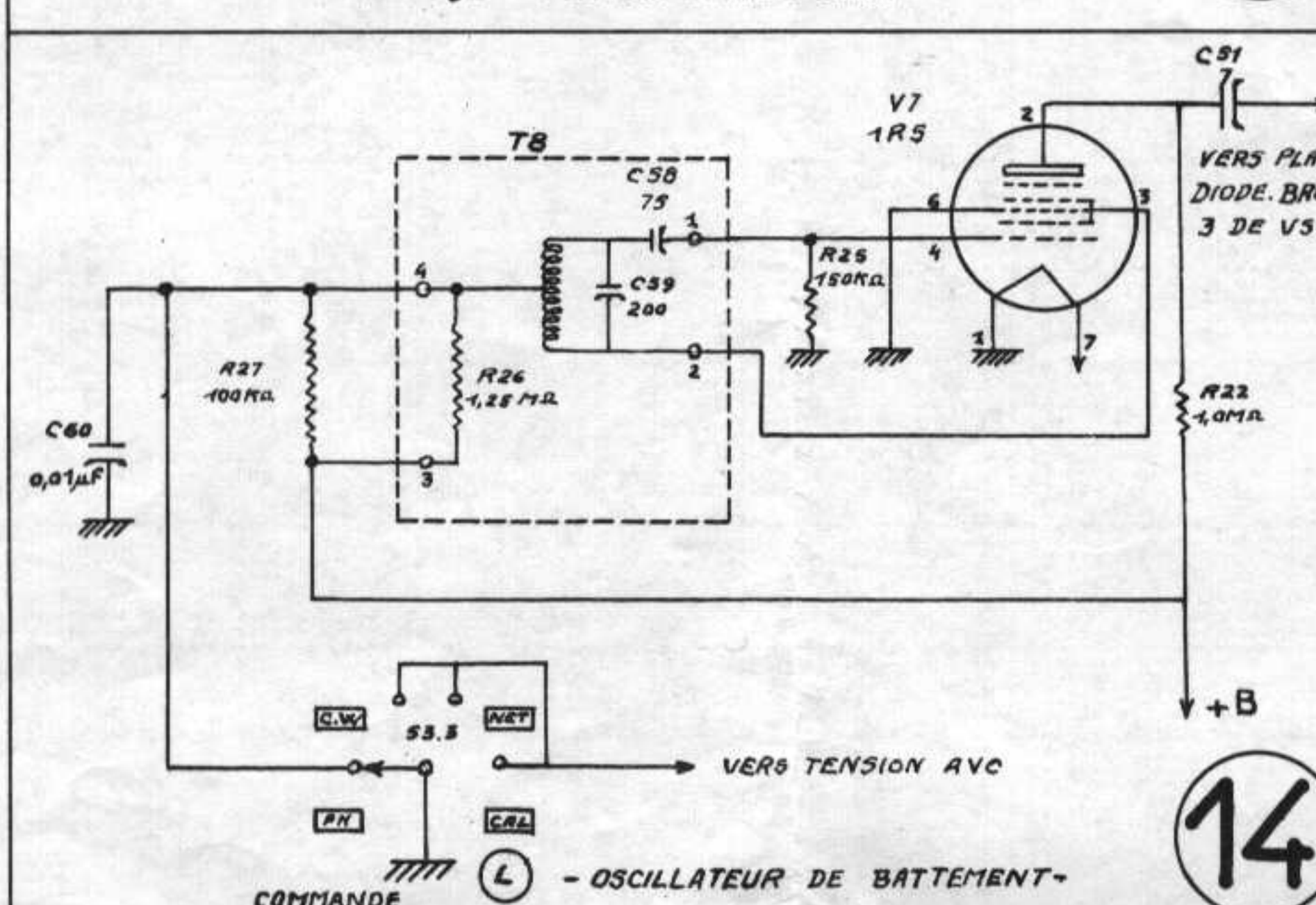
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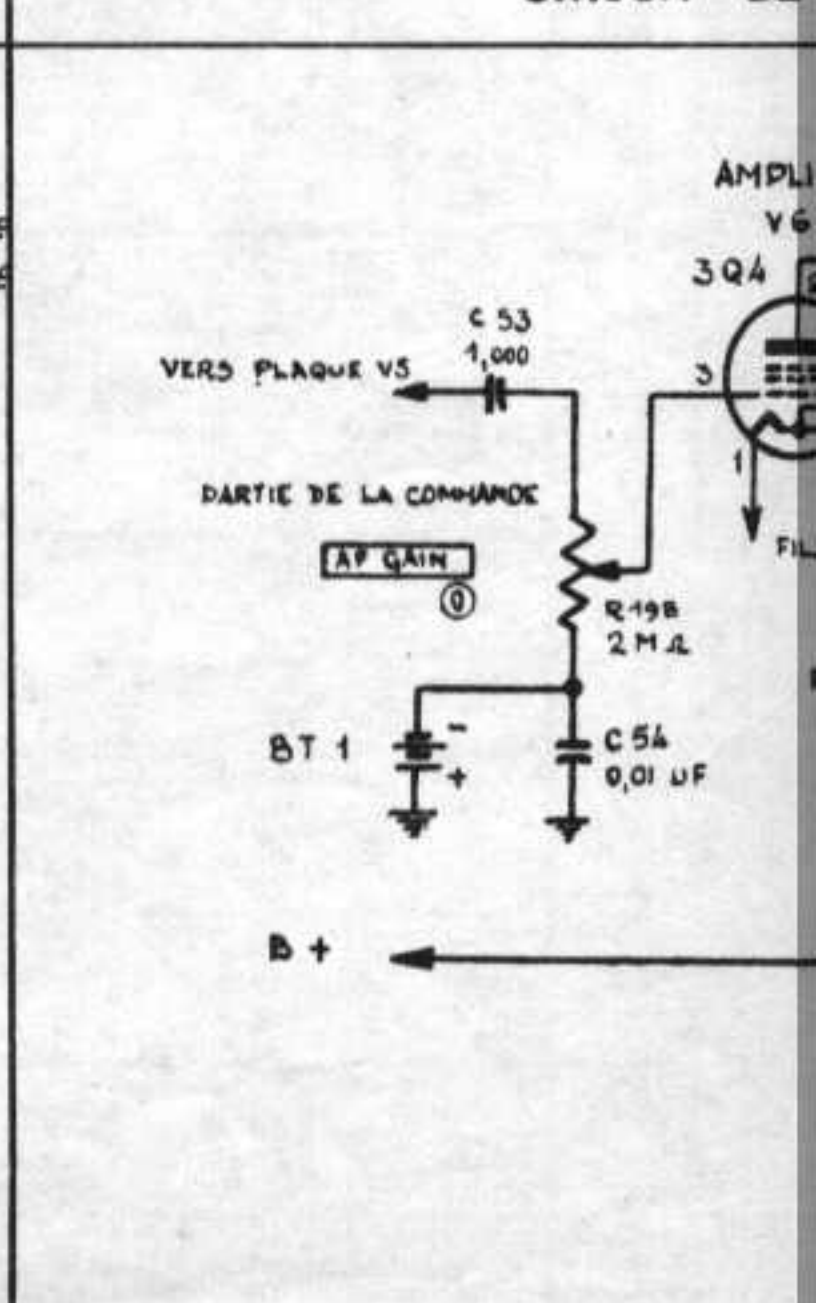
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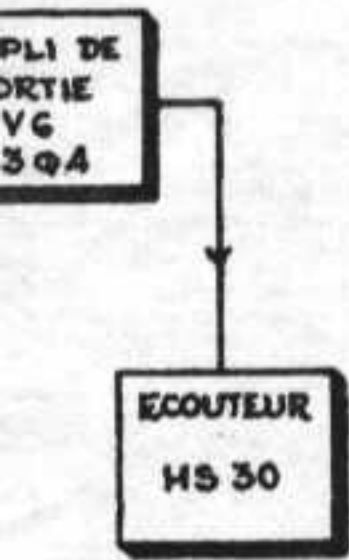


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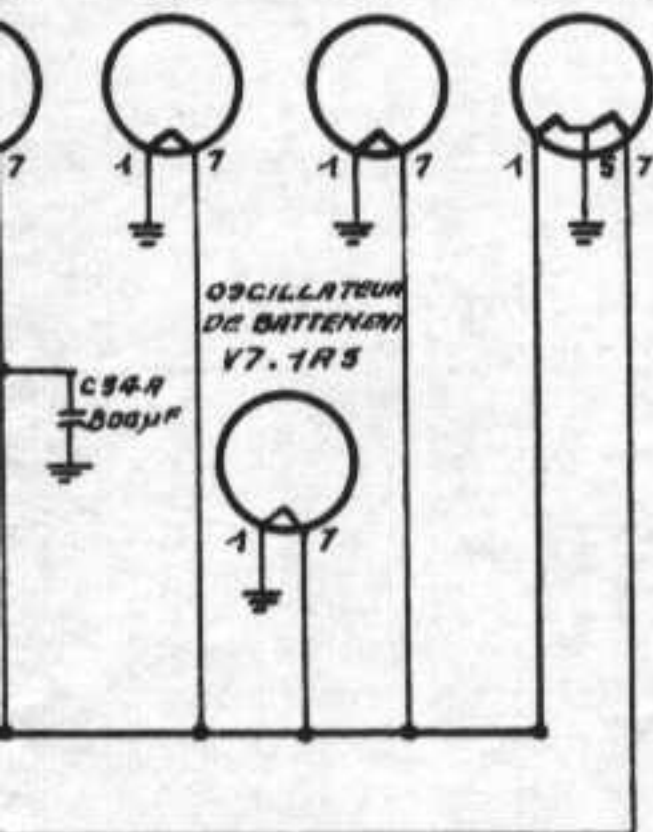
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9

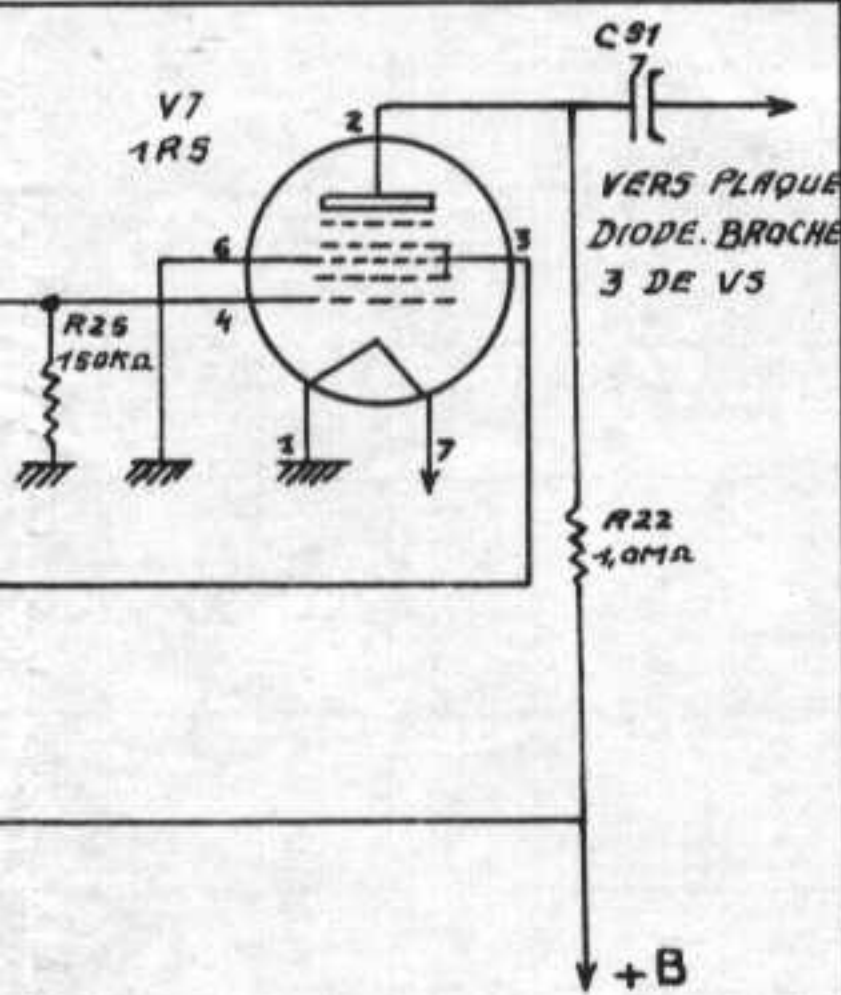
AMPLI DE SORTIE V6 3Q4  
 AMPLI 2<sup>ème</sup> V4 1R5  
 DETECTION V5 1R5  
 ET DR AMPLI B.F. DE SORTIE V6 3Q4



10

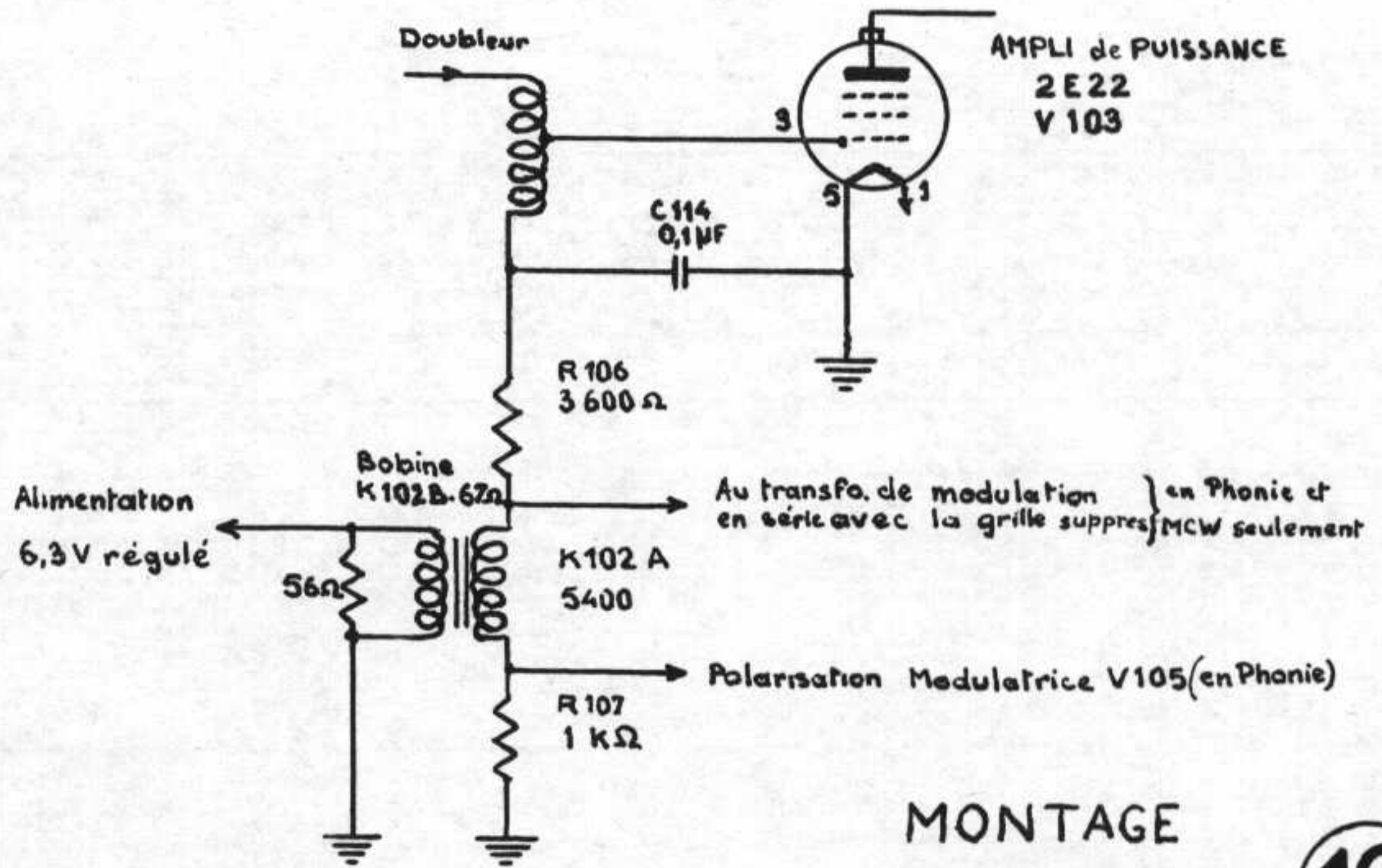
LES BROCHES 5 & 3 SONT RELIEES PAR BLINDAGE METALLIQUE

11

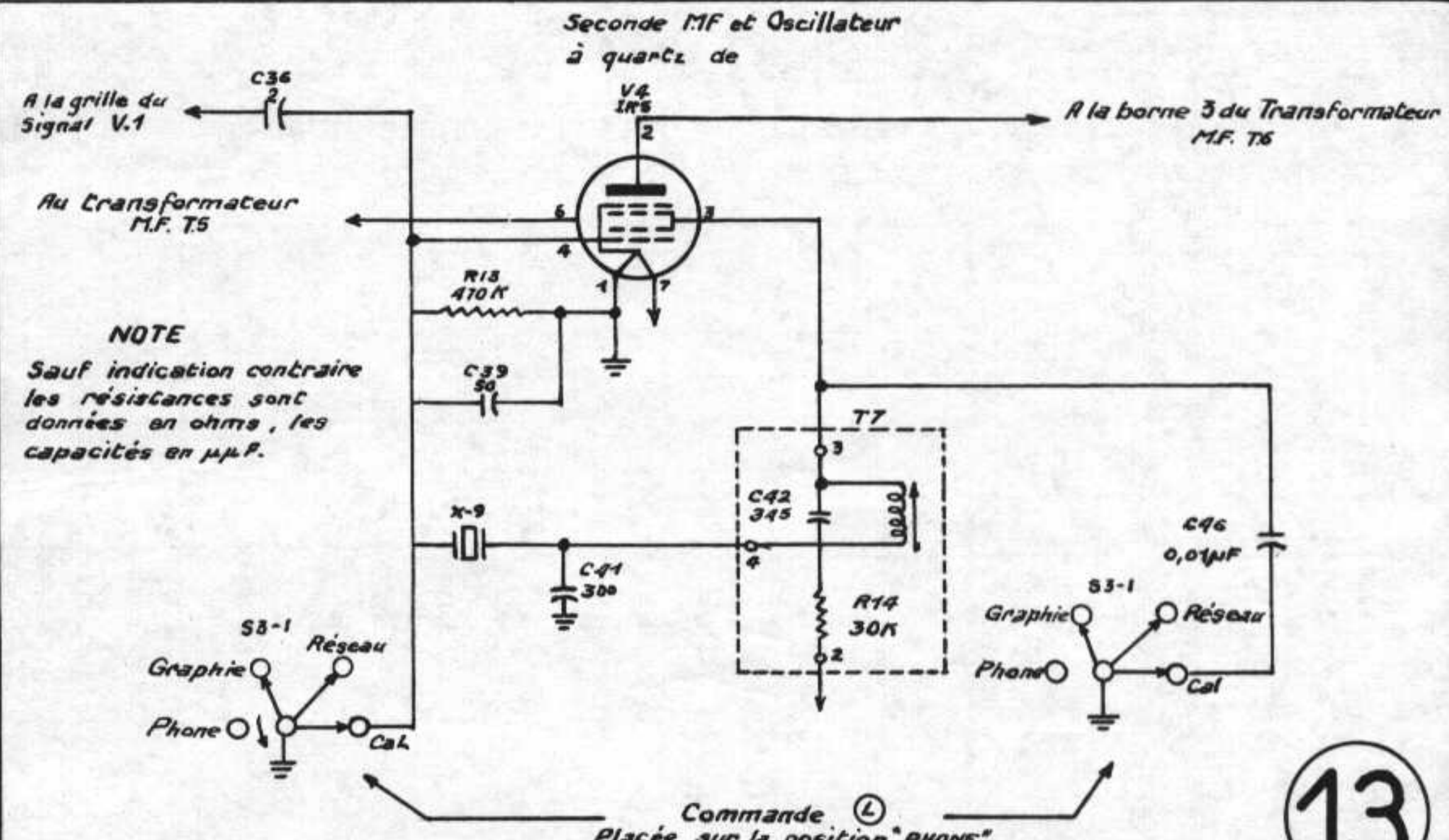


14

TENSION AVC  
 DE BATTEMENT-



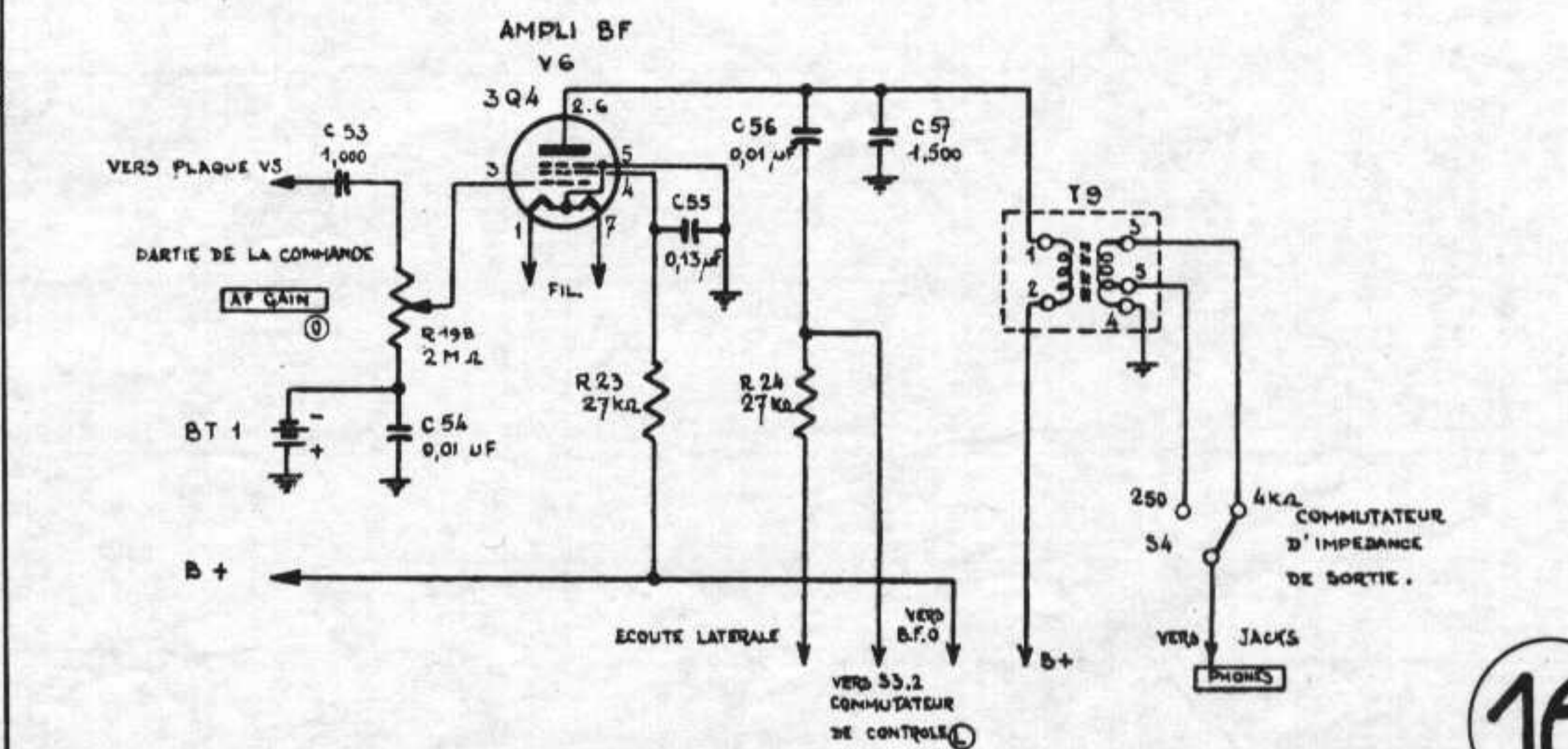
MONTAGE du RELAIS K 102 12



NOTE  
 Sauf indication contraire les résistances sont données en ohms, les capacités en  $\mu\mu\text{F}$ .

CIRCUIT DE L'OSCILLATEUR D'ETALONNAGE A QUARTZ

13



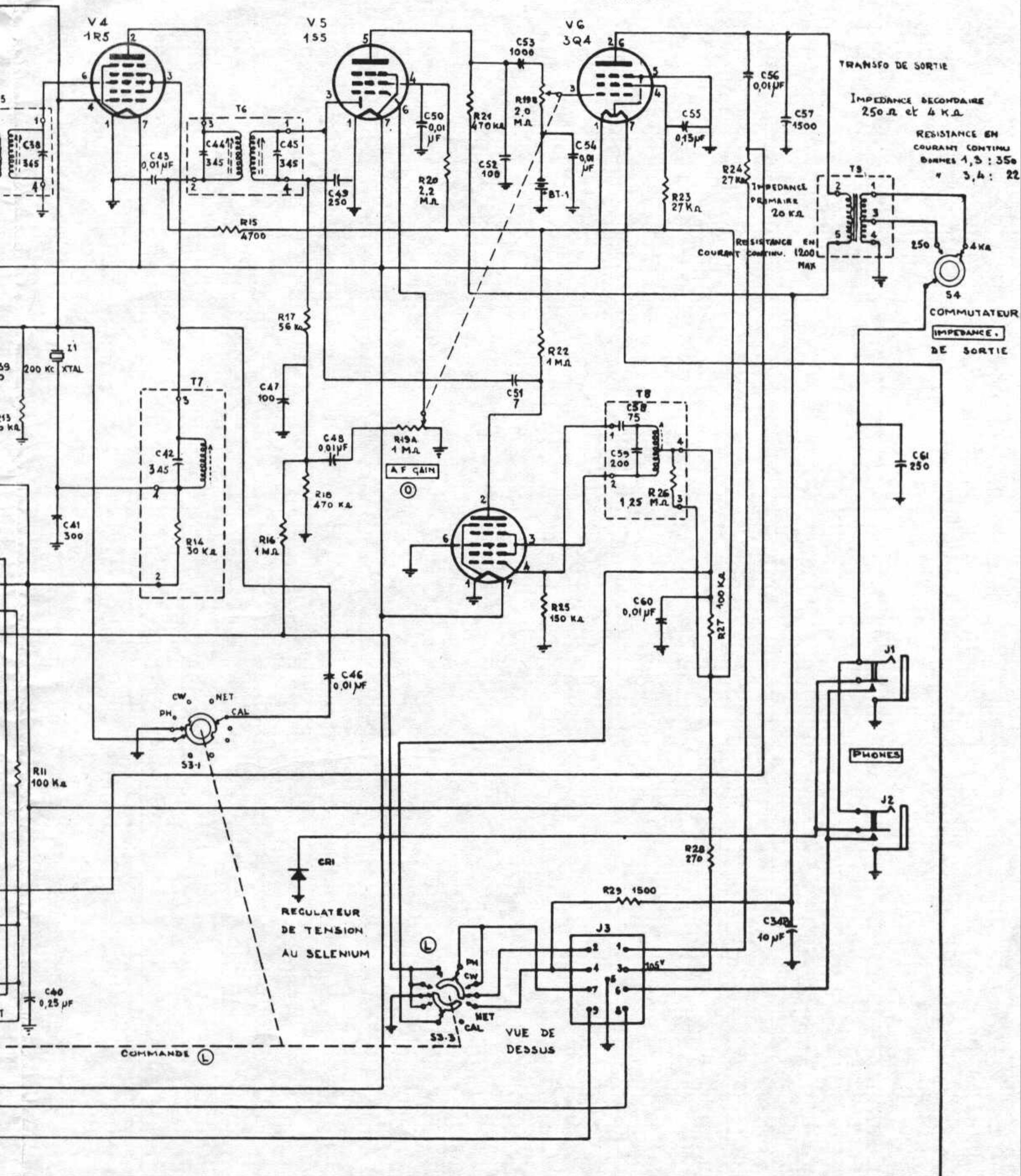
16

AN/GRC 9 IV

AMPLI MF  
ET OSCILLATEUR A CRISTAL

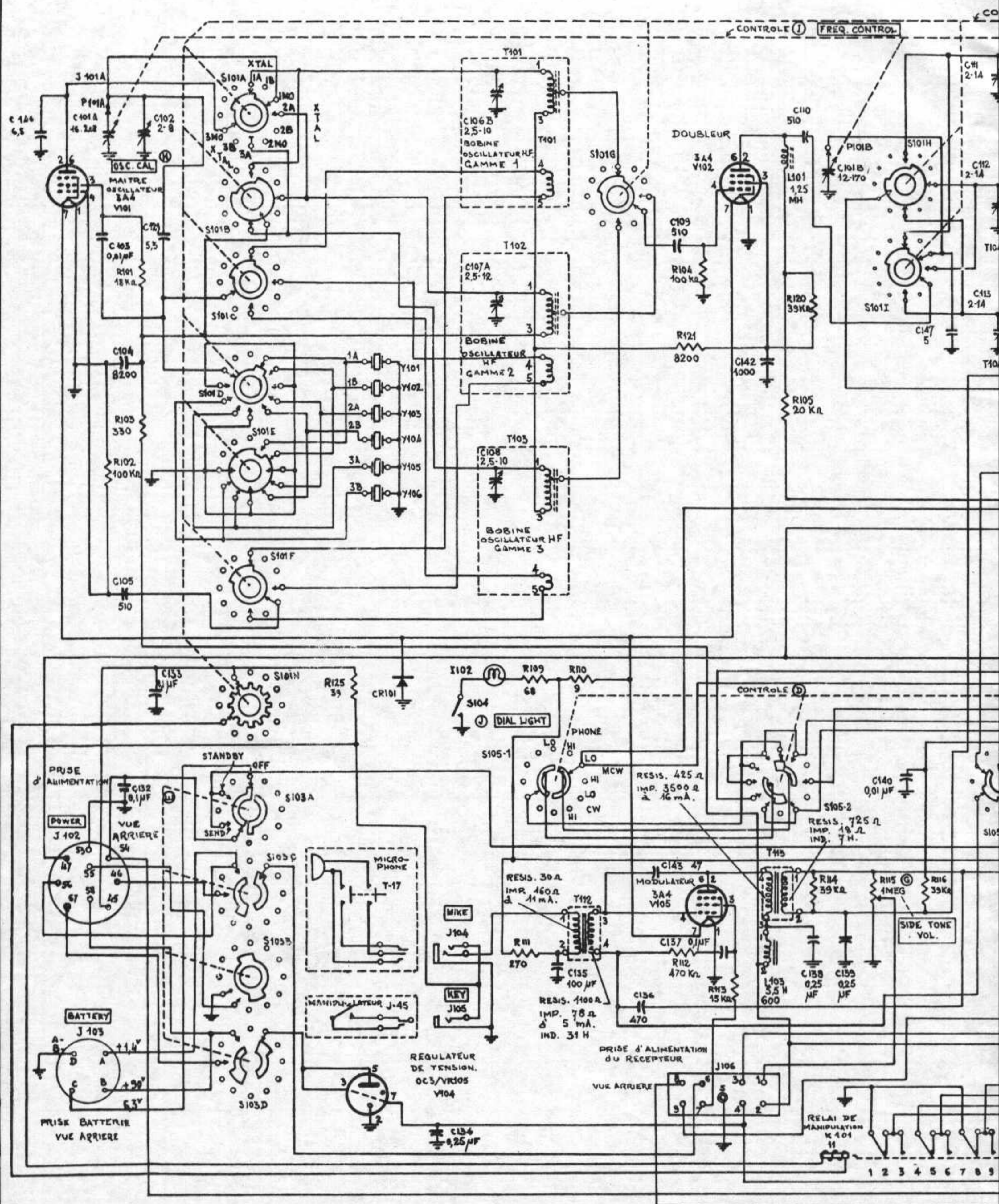
DETECTRICE  
ET PREAMPLIFICATRICE

AMPLI DE  
PUISSANCE



- 3 :
1. Ecoute laterale.
  2. Calage +105V.
  3. Recepteur +105V.
  4. +105V.
  5. -Masse.

6. Recepteur 1,4 -
7. Tube de controle B.F. -
8. Antenne receptr -
- 9.

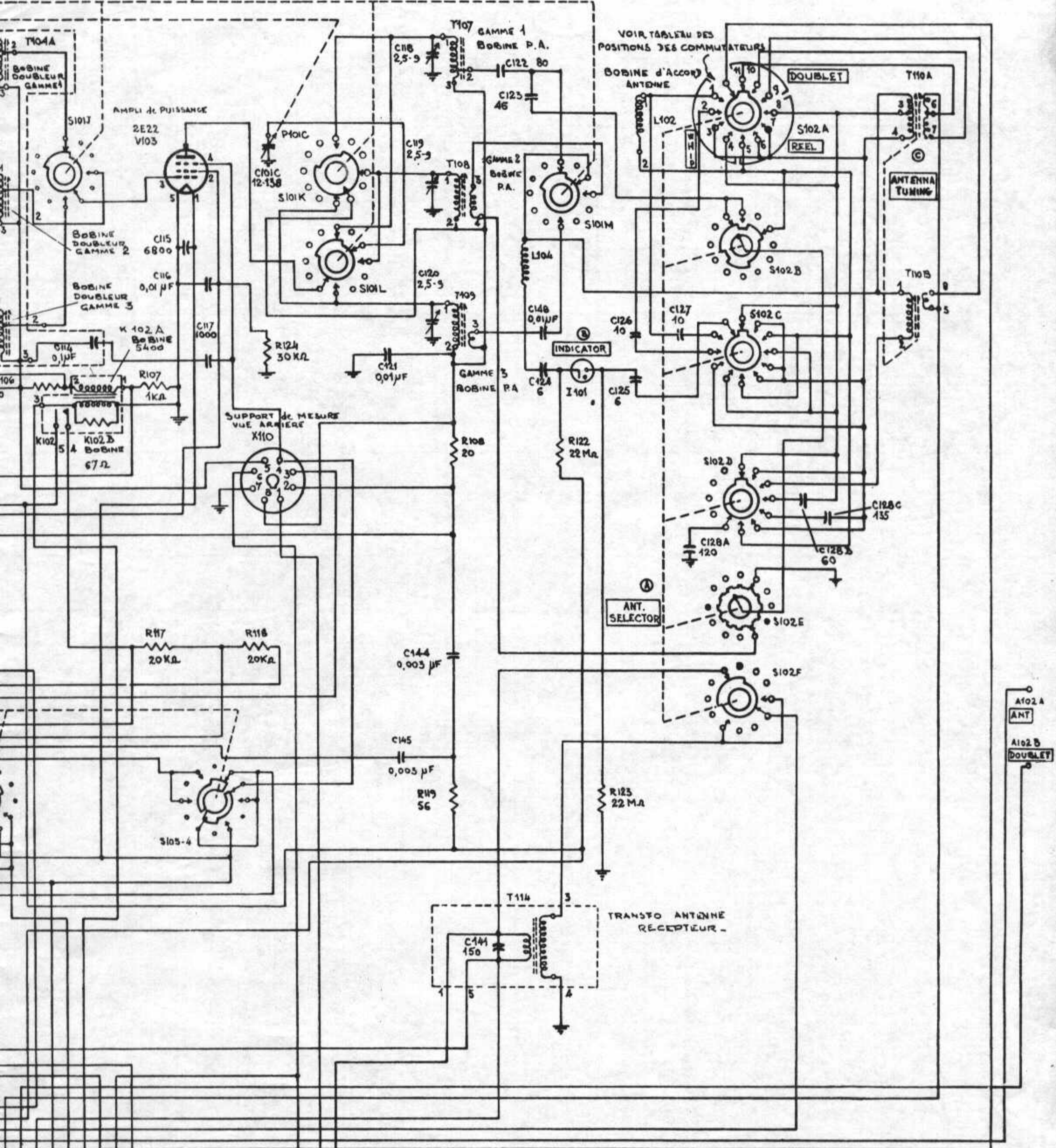


**CONNECTEUR J. 102 ALIMENTATION EMETTEUR.**

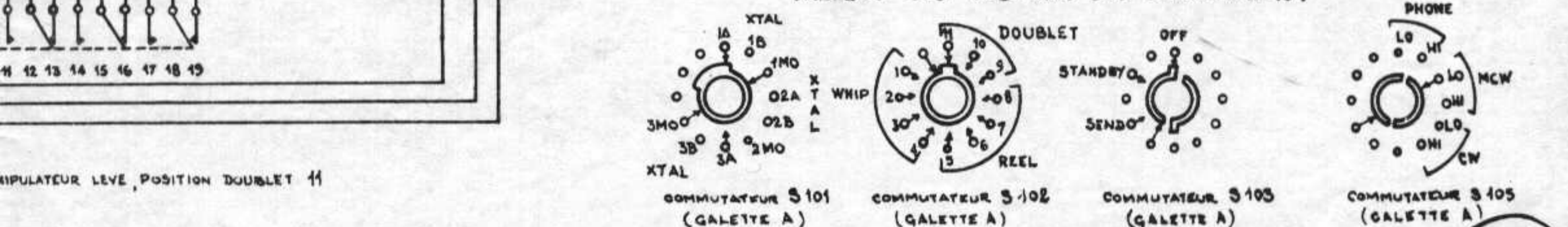
BROCHE	VOLTS	BROCHE	VOLTS
54	+6,3V REGULE	47	+500V
57	105V EMISSION	58	105V ATTENTE
56	1,4V ATTENTE	45	+6,3V MANIPULATION =
46	1,4V EMISSION	55	CONTROLE EMISSION.
53	-A -B		

- NOTES**
- A. L'EMETTEUR EST FIGURE SUR "OFF", "PHONIE", GAMME 1 CRISTAL A, M.
- B. CONNEXIONS DE J 106:
1. SIGNAL D'ECOUTE LATERALE
  2. CALAGE 105V.
  3. RECEPTEUR 105V.
  4. 105V.
  5. MASSE.
  6. RECEPTEUR 1,4V
  7. TUBE DE CONTROLE DE PUISS.
  8. } ANTENNE RECEPTEUR.
  9. }

ROLE (7) FIGURE SUR LA GAMME 1, LA COMMANDE "CRISTAL" EN POSITION A.



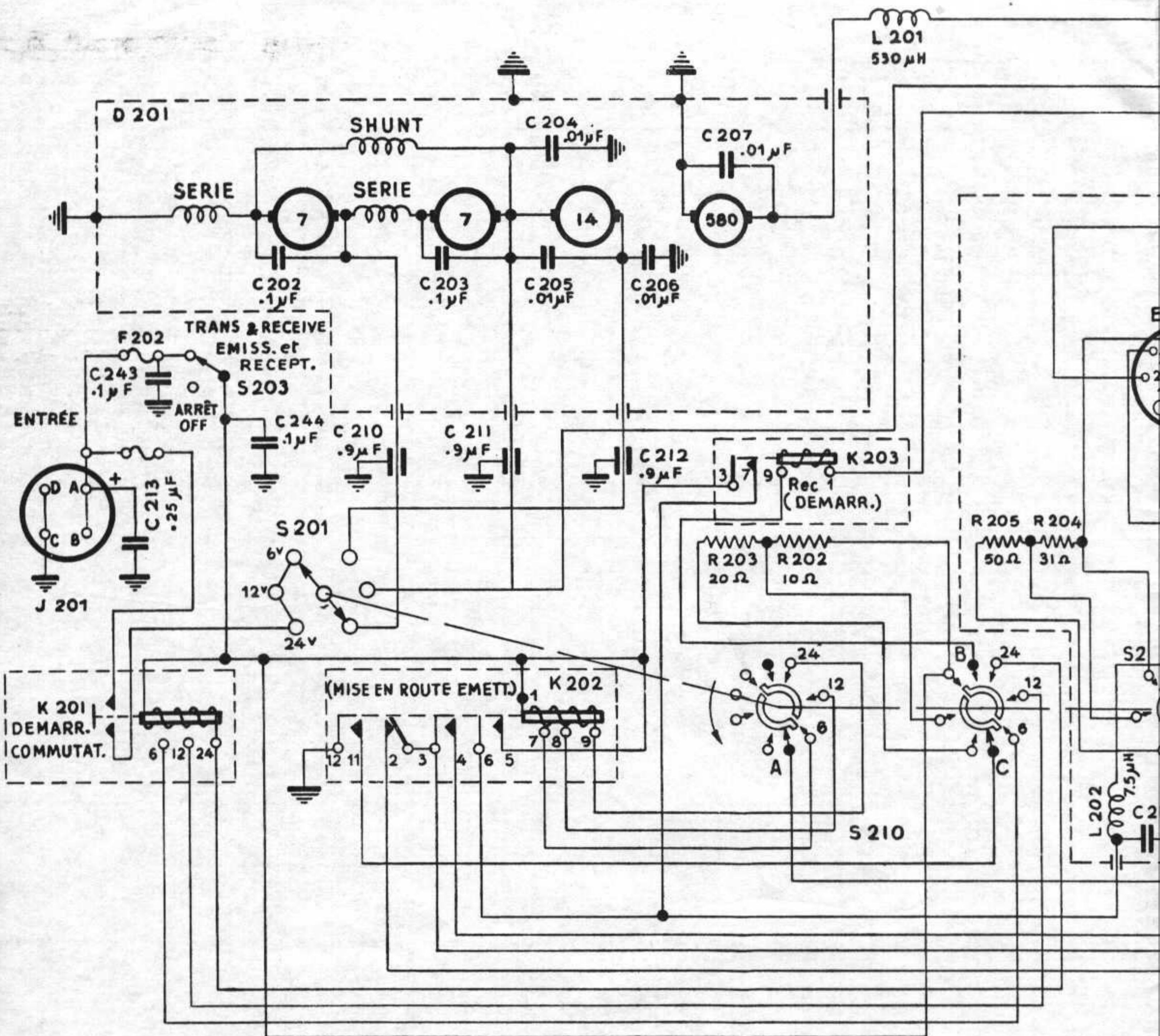
TABEAU DES POSITIONS DES COMMUTEURS.



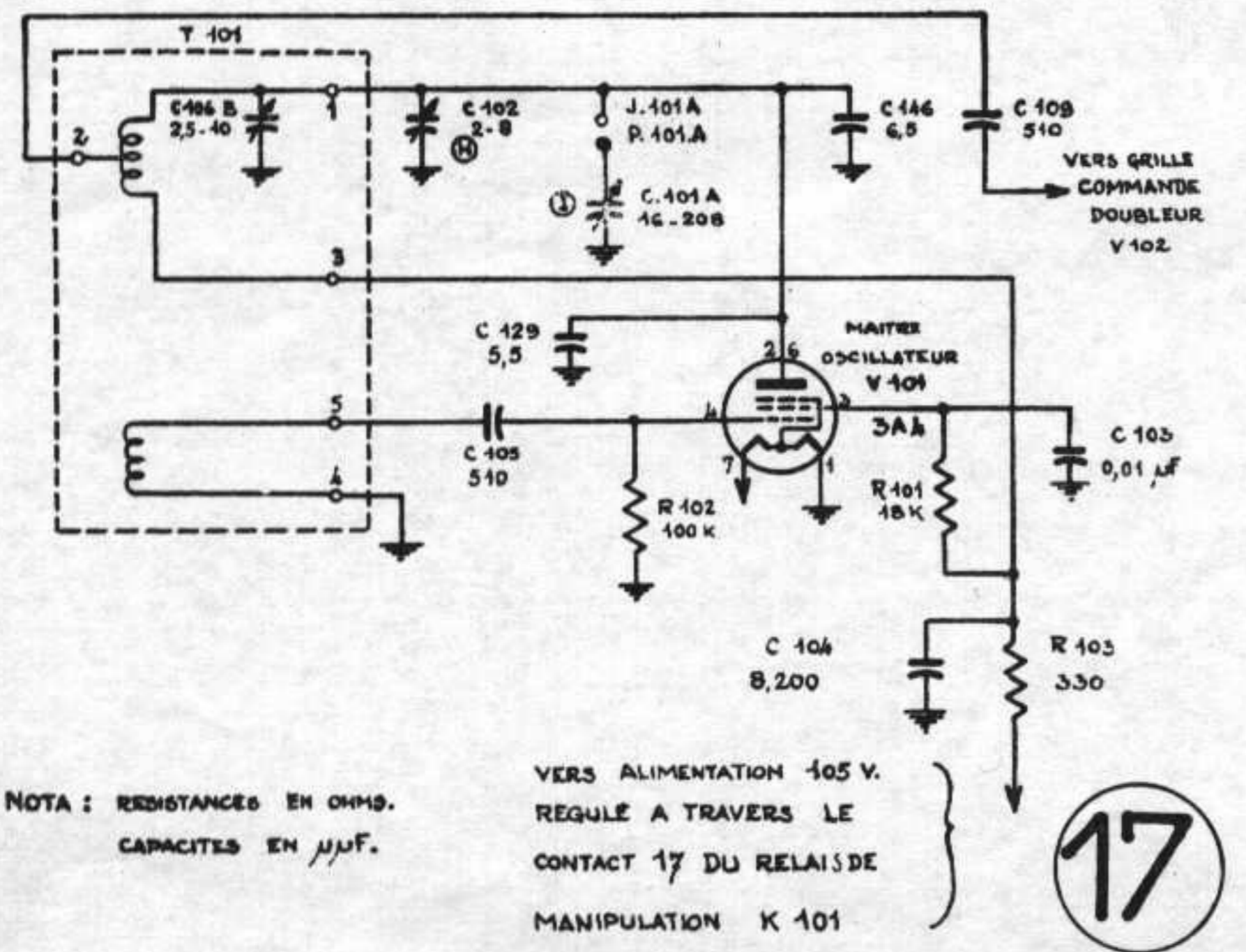
COMMUTEUR LEVE, POSITION DOUBLET 11

NCE B.F



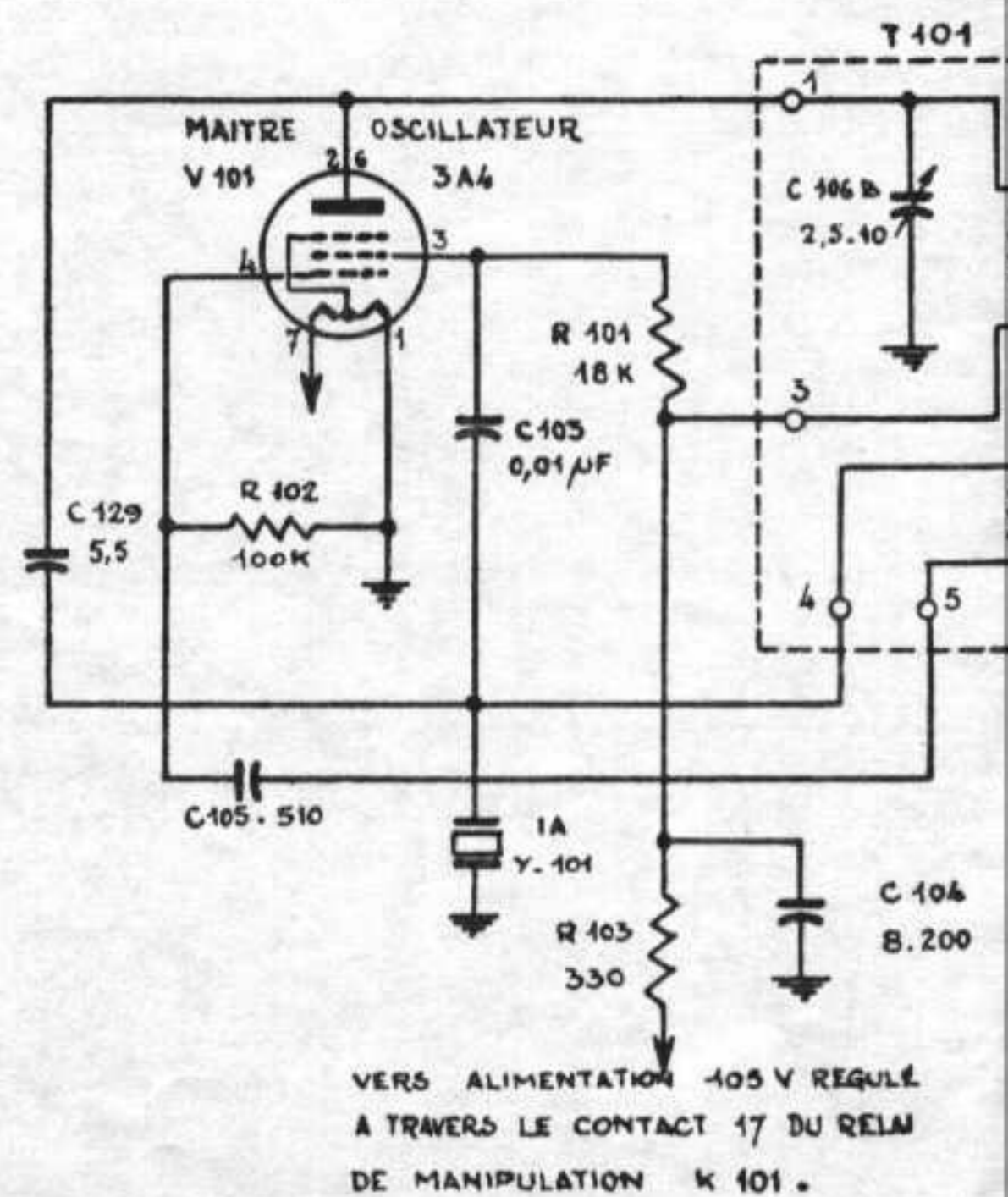


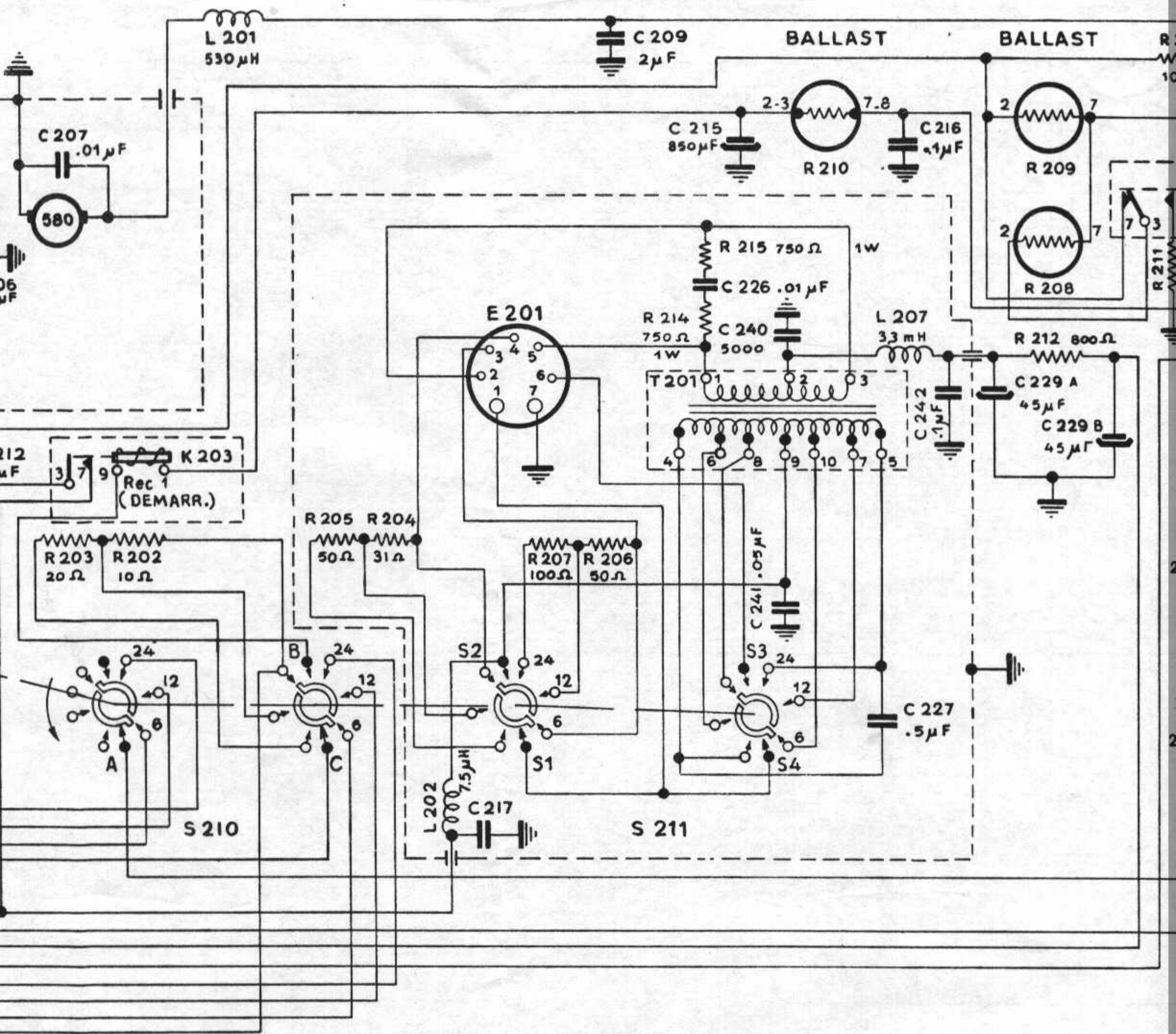
Alimentation bat



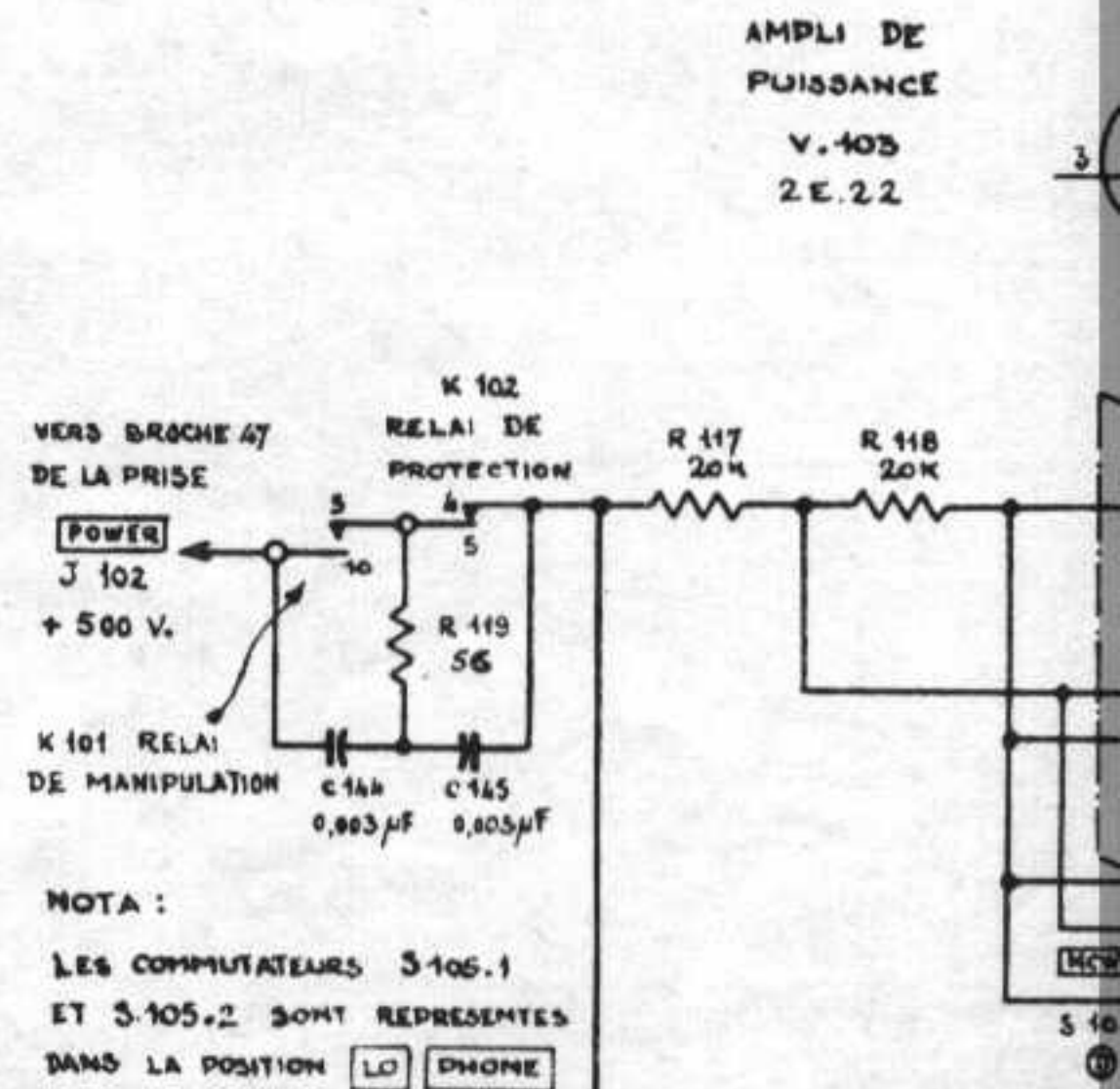
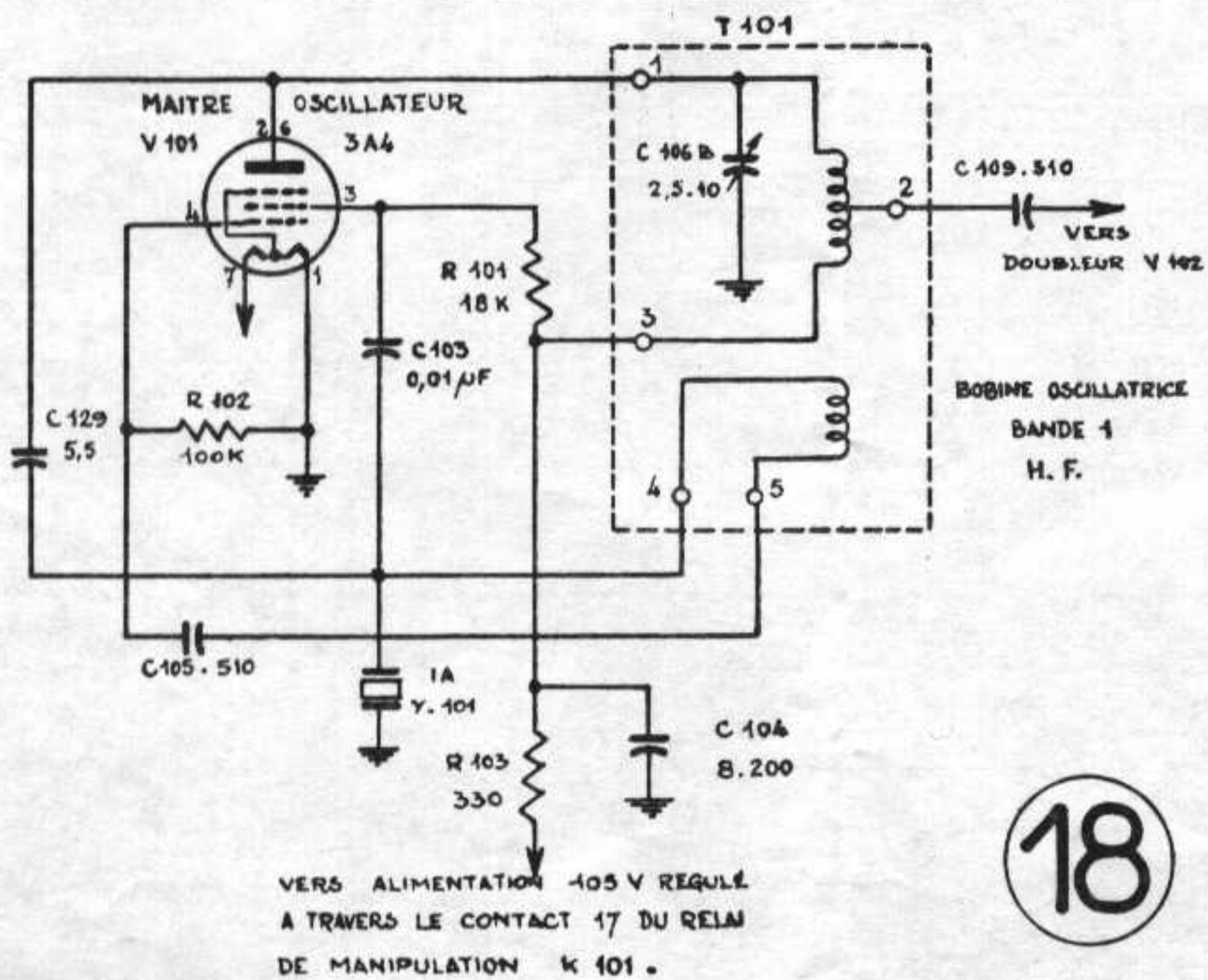
NOTA : RESISTANCES EN OHMS. CAPACITES EN  $\mu\text{F}$ .

17

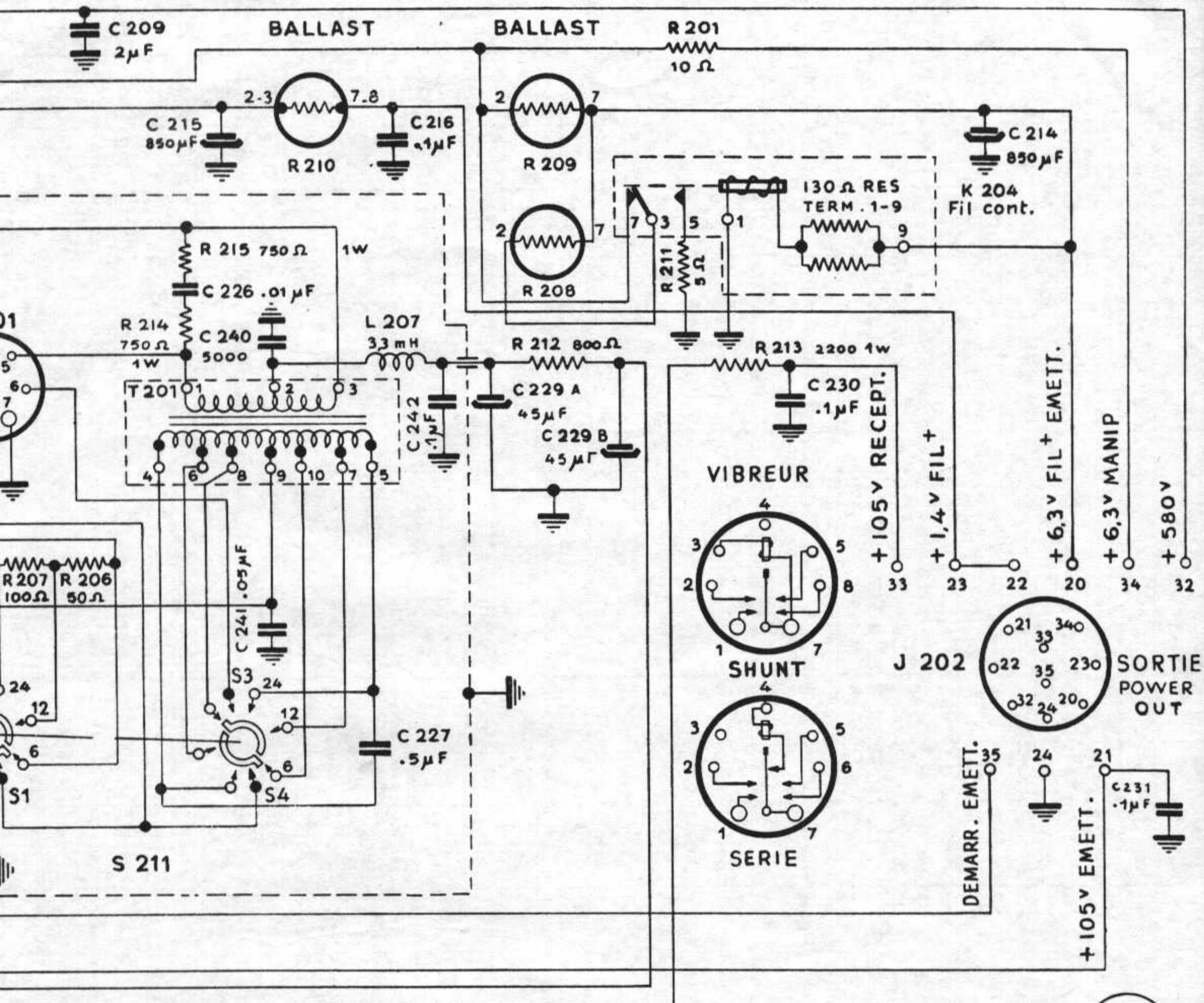




Alimentation batterie DY-88/GRC-9.

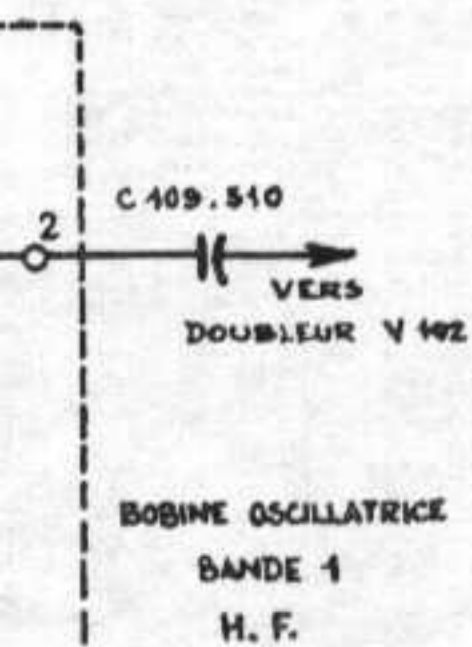


NOTA :  
 LES COMPOSITEURS S105.1  
 ET S105.2 SONT REPRESENTES  
 DANS LA POSITION  LO  PHONE

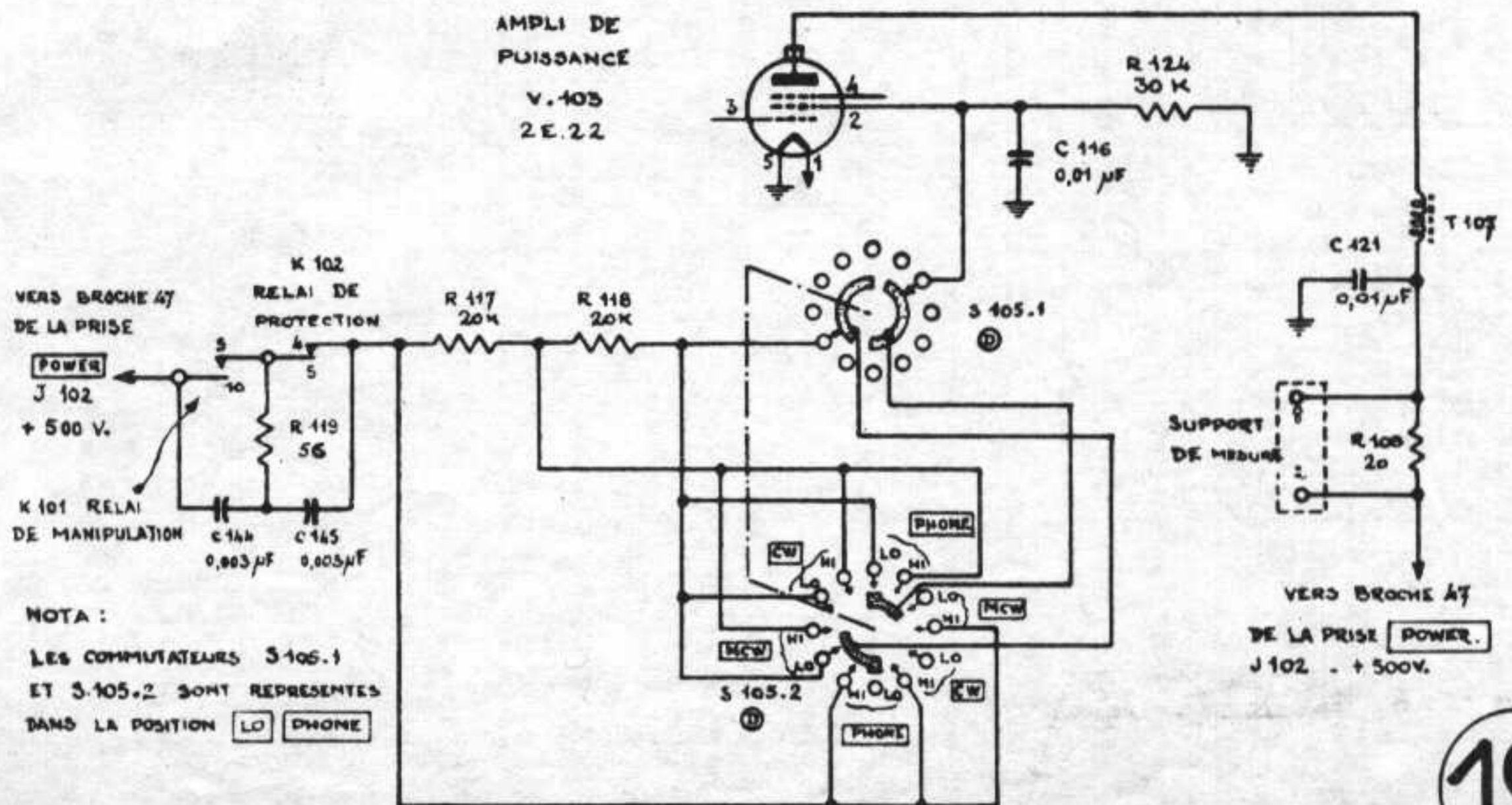


20

ie DY-88/GRC-9.



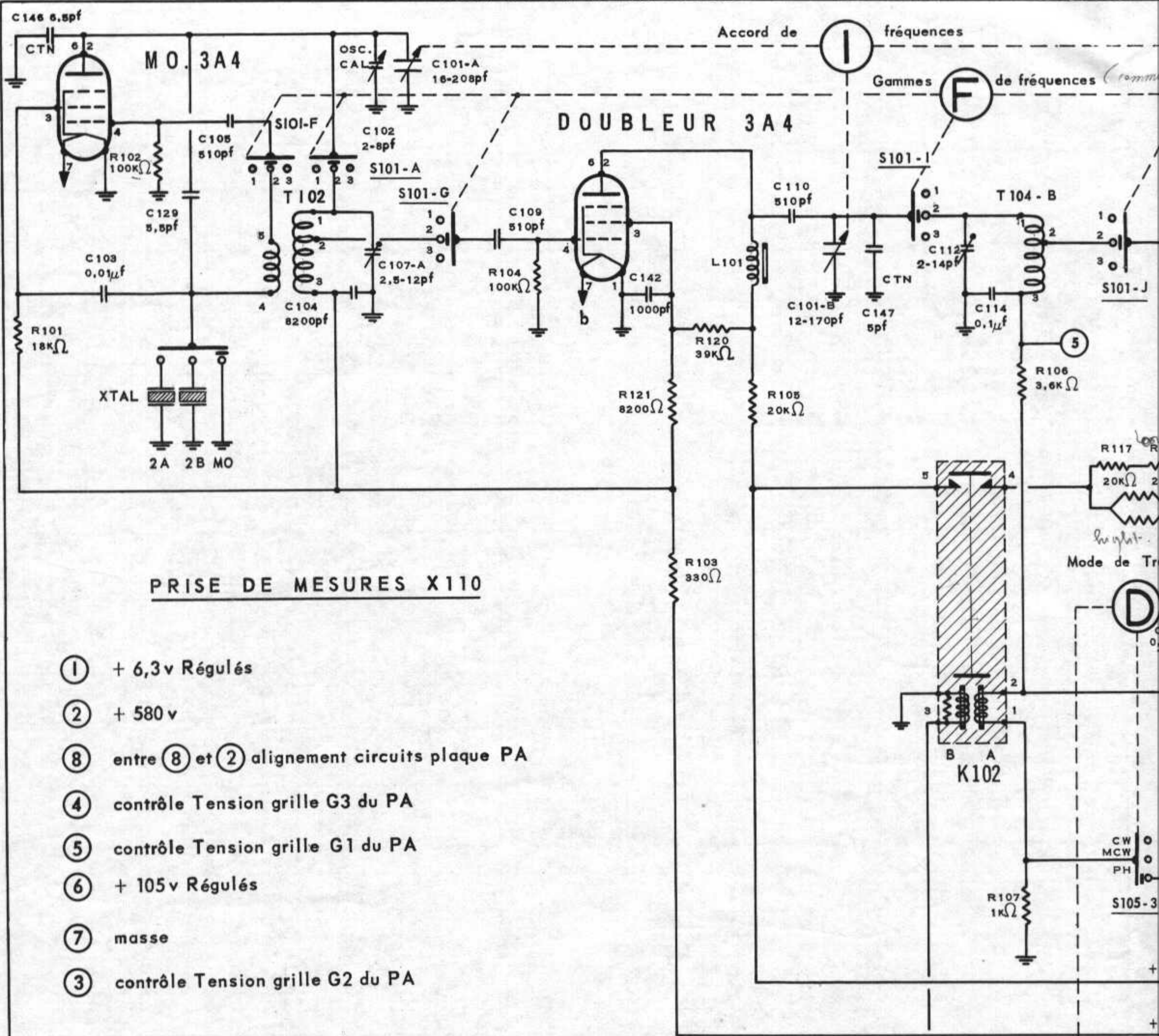
18



19

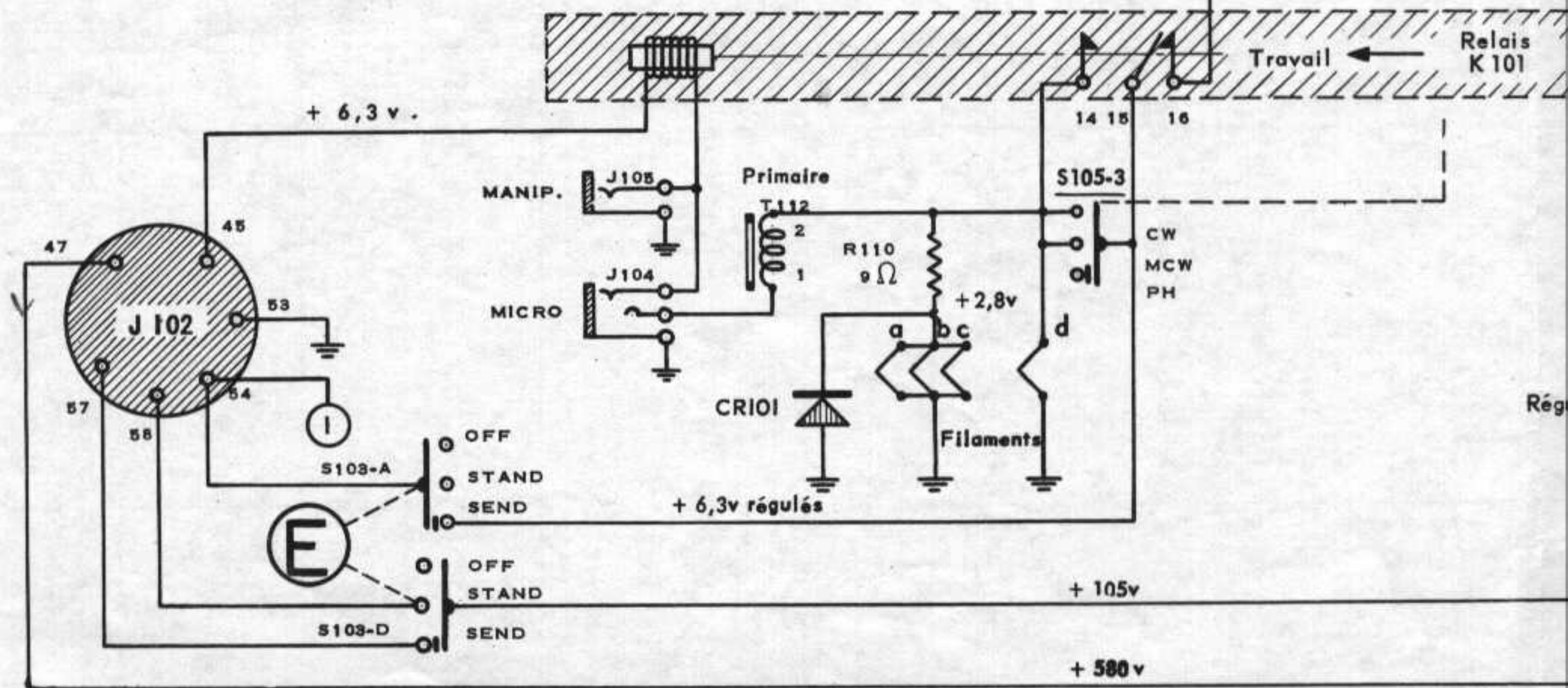
AN/GRC 9 V

si l'on est en mode, il faut appuyer sur le pédale du micro pour alimenter K101 -> alimenter le filament du PA

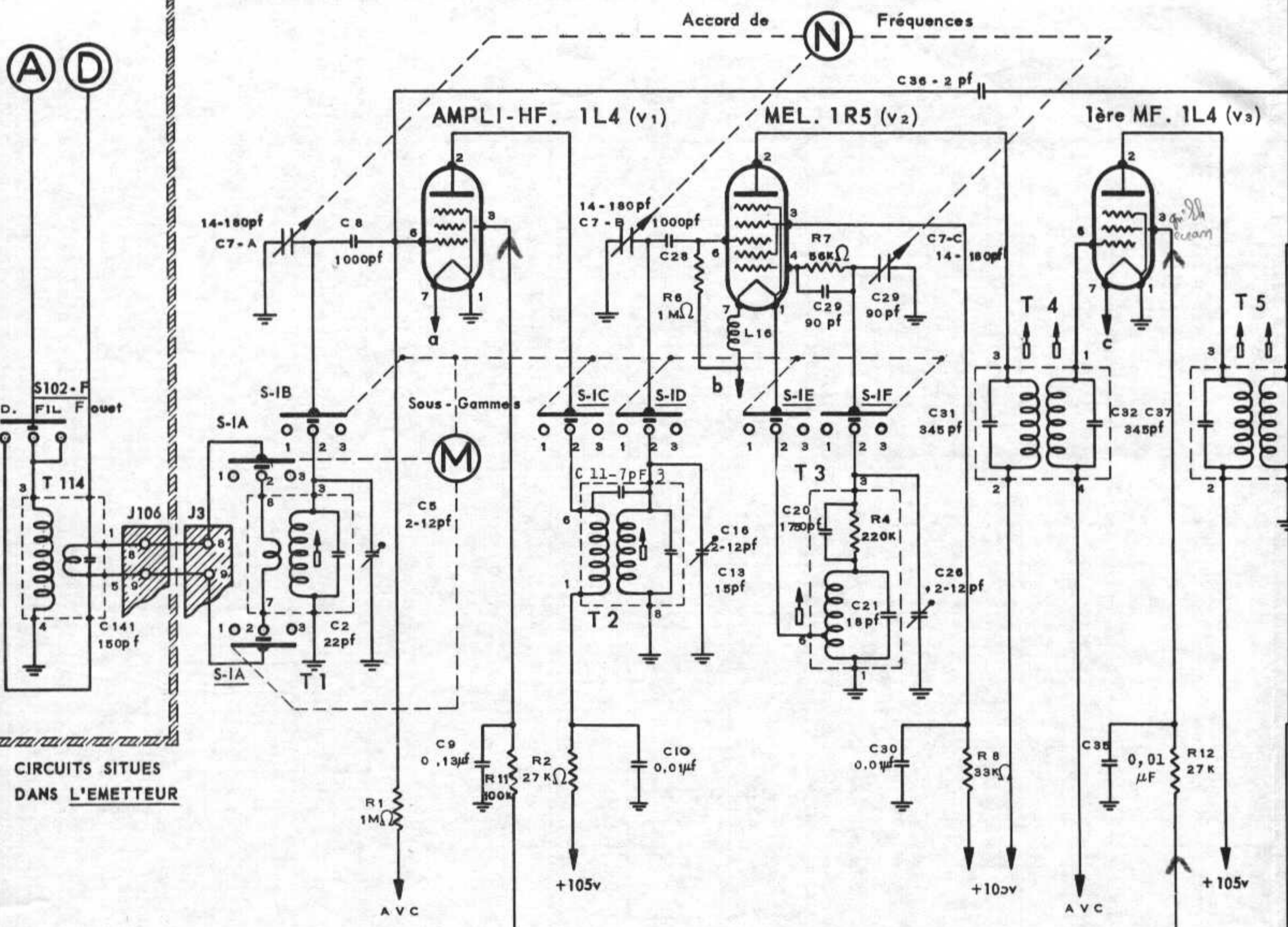


**PRISE DE MESURES X110**

- ① + 6,3v Régulés
- ② + 580v
- ⑧ entre ⑧ et ② alignement circuits plaque PA
- ④ contrôle Tension grille G3 du PA
- ⑤ contrôle Tension grille G1 du PA
- ⑥ + 105v Régulés
- ⑦ masse
- ③ contrôle Tension grille G2 du PA







**SCHEMA SIMPLIFIE**  
**du RECEPTEUR du RT77/GRC - 9**

- NOTA.-**
- Le Récepteur est représenté :
  - Gamme de Fréquence : s/gamme 2
  - Mode de Travail : Graphie (cw)
  - Sélecteur Antenne : Filaire
  - Relais K101 : Repos
  - Commande E : Position STAND

