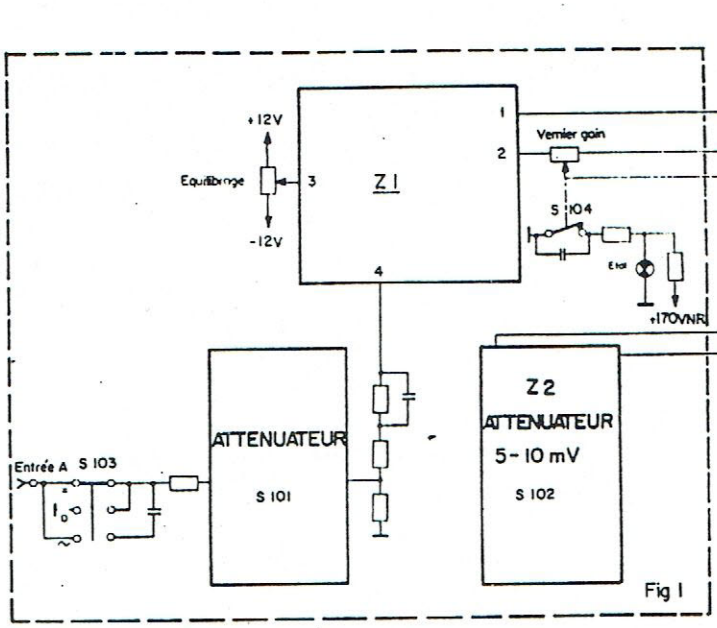
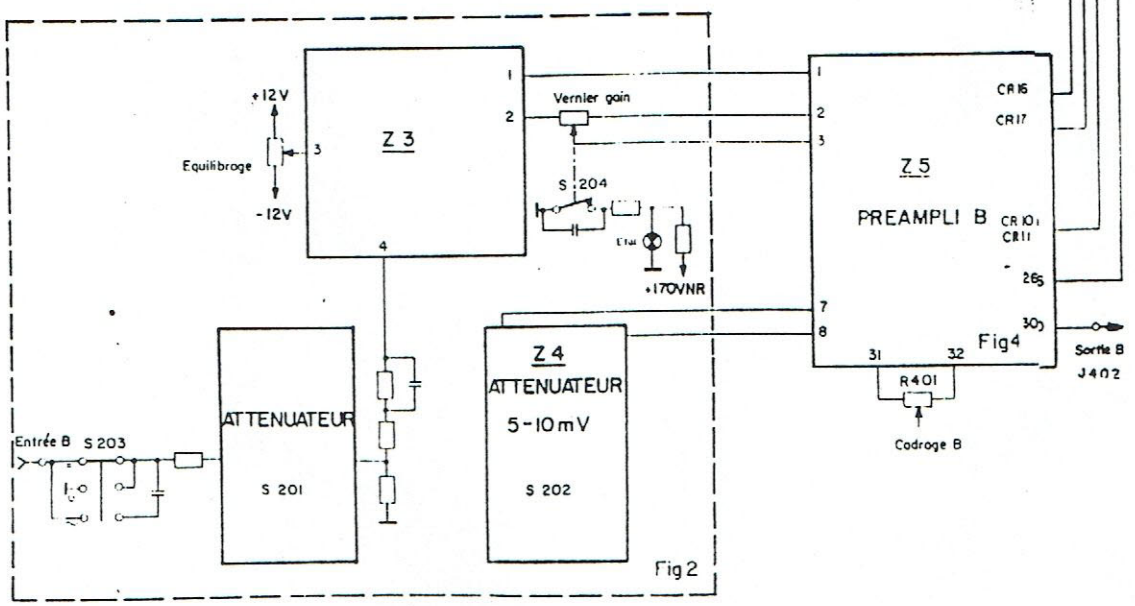
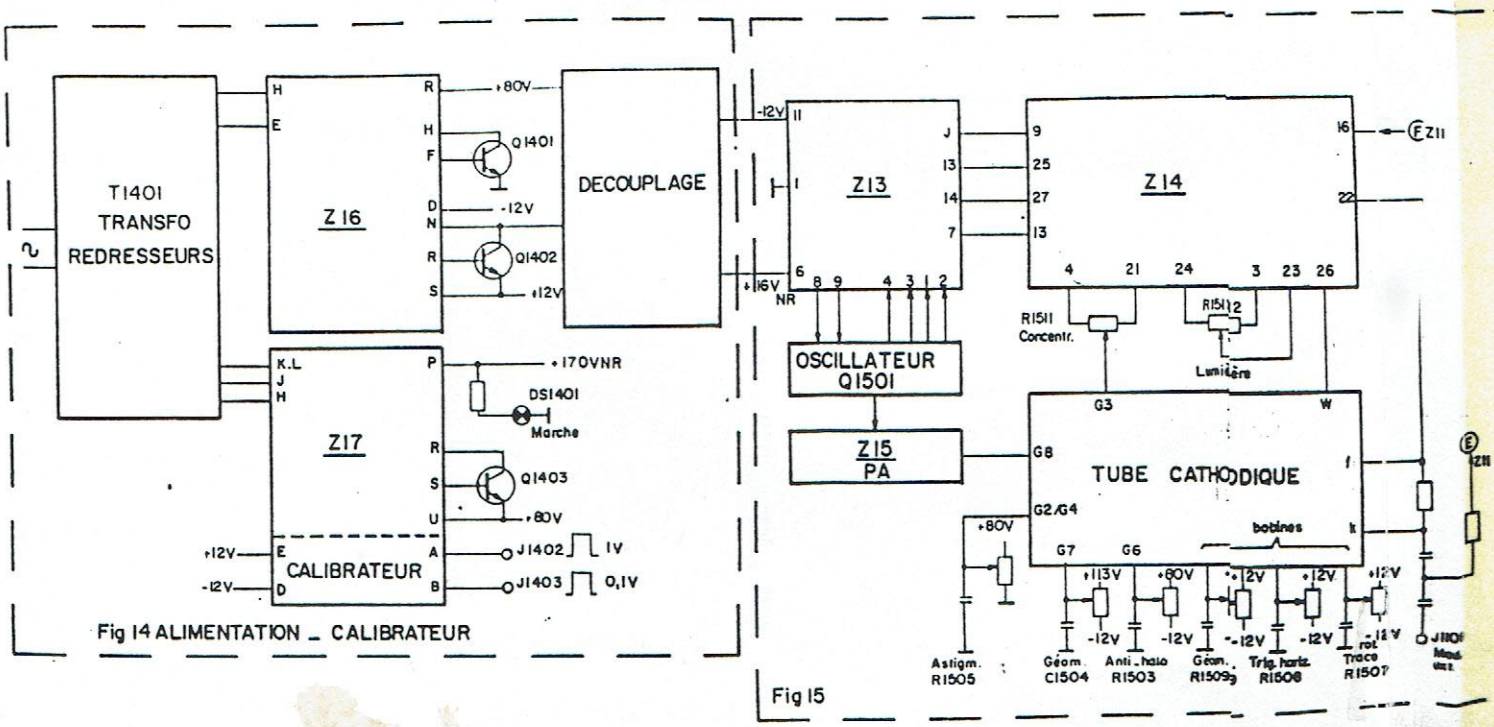
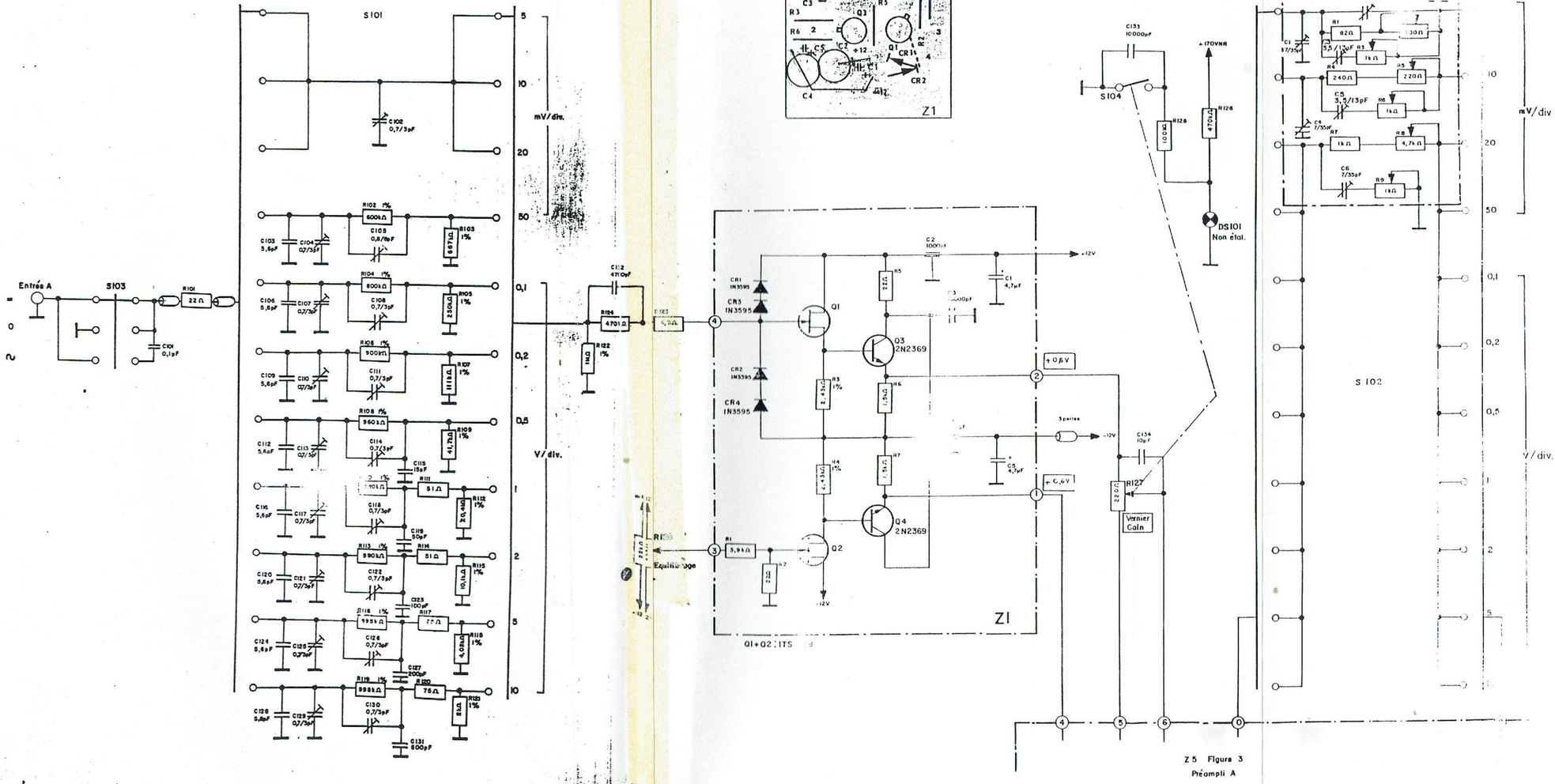

+12V
Equilibrage
-12V
Z1
Vernier gain
S 104
+170VNR
S 301
+12V
Z5
PREAMPLI A
CR8
CR9
CR5
CR6
R301
Codrage A
Z2
ATTENUATEUR
5-10 mV
S 102
ATTENUATEUR
S 101
Entrée A S 103
Fig 1
Fig3
S 501
Sync
S 502


+12V
Equilibrage
-12V
Z3
Vernier gain
S 204
+170VNR
Z5
PREAMPLI B
CR16
CR17
CR10
CR11
R401
Codrage B
Sortie B
J402
Z4
ATTENUATEUR
5-10 mV
S 202
ATTENUATEUR
S 201
Entrée B S 203
Fig 2
Fig4


T1401
TRANSFO
REDRESSEURS
Z16
+80V
Q1401
-12V
Q1402
+12V
DECOUPLAGE
Z17
+170VNR
DS1401
Marche
Q1403
+80V
CALIBRATEUR
J1402 1V
J1403 0,1V
Fig 14 ALIMENTATION _ CALIBRATEUR
-12V
+16V NR
Z13
OSCILLATEUR
Q1501
Z15
PA
Z14
R1511
Concentr.
R1512
Luminère
TUBE CATHODIQUE
G3
G8
G2/G4
G7
G6
bobines
+80V
+113V
+12V
-12V
Astigm.
R1505
Géom.
C1504
Anti-halo
R1503
Géom.
R1509
Trig. horiz.
R1508
Trace
R1507
Fig 15

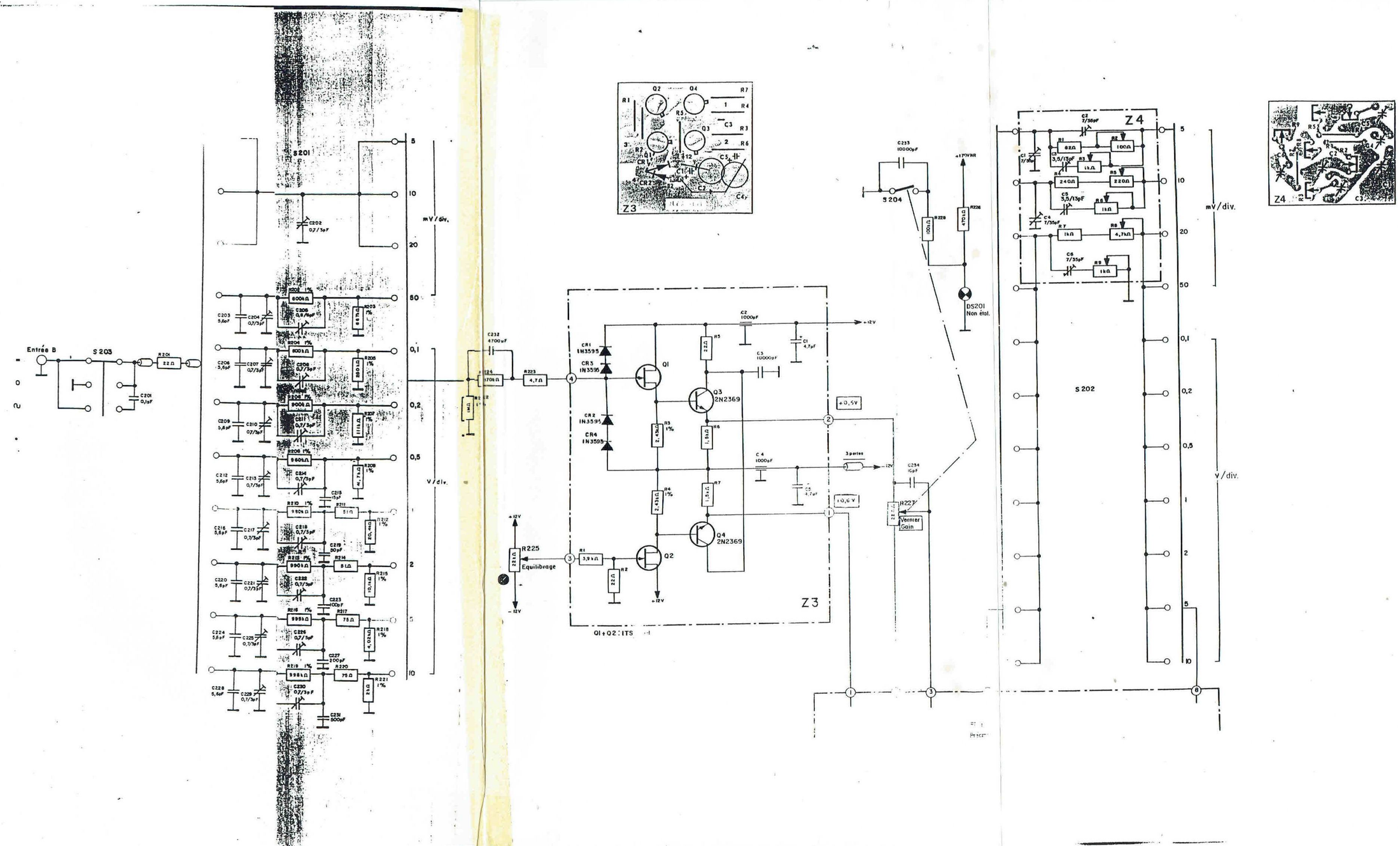
INTERCONNEXION

ENTREE VOIE A (Z1_Z2)



Z 5 Figure 3
Préampli A

Fig 1



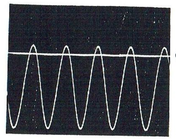
ENTREE VOIE B (Z3 - Z4)

1949-480

Fig 2

TP 5 : signal de synchronisation A

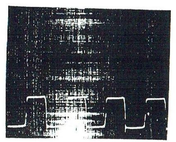
100 mV/div



0,5 ms/div

TP 6 : signal de commutation

1 V/div



1 µs/div

Schlumberger

Référence OCT 569 A

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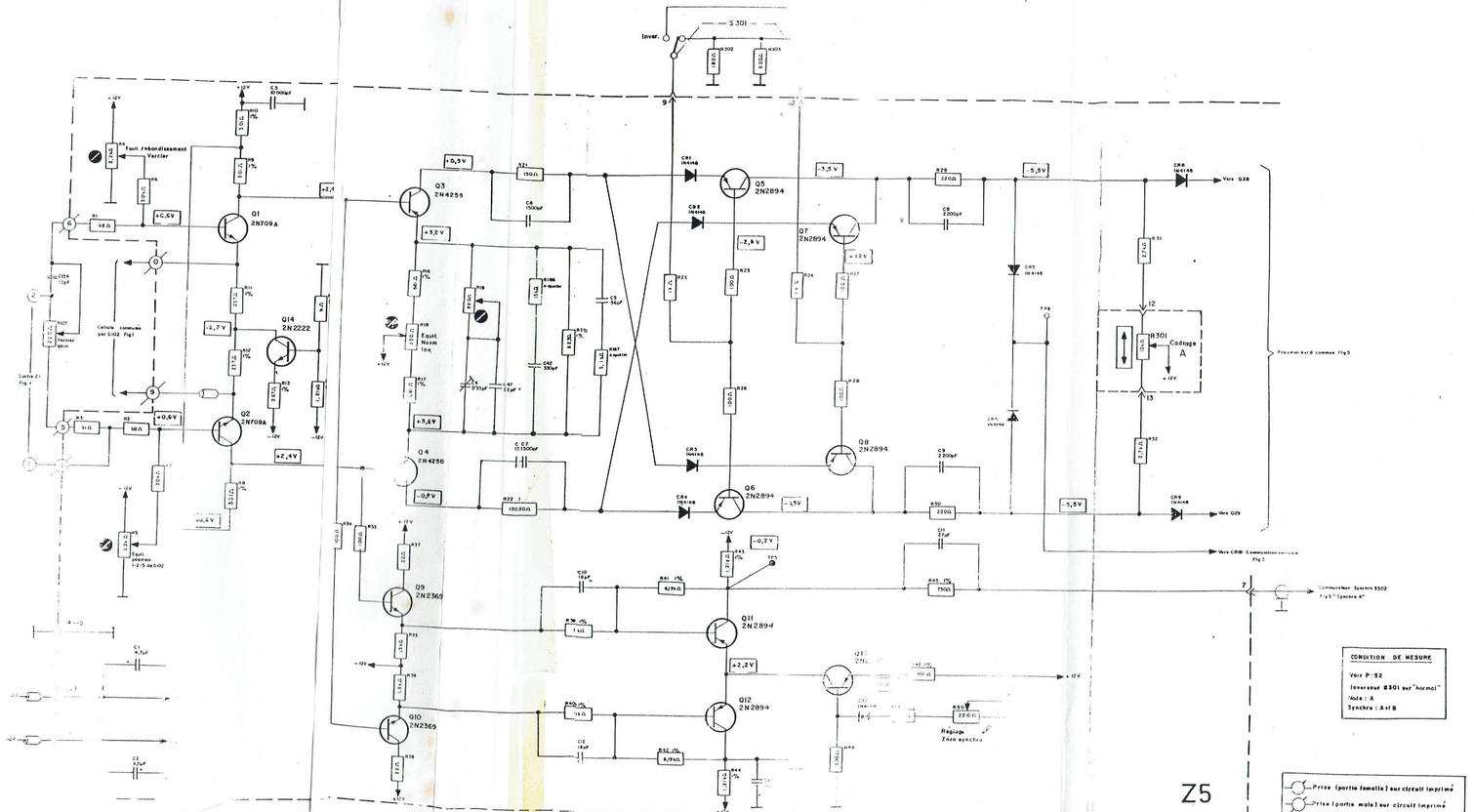


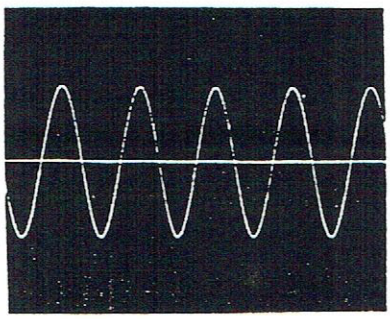
CONDITION DE MESURE
Voir P: 52
Inverseur S301 sur "normal"
Voie : A
Synchro : A et B

Prise (partie femelle) sur circuit imprimé
Prise (partie mâle) sur circuit imprimé

Fig 3 PREAMPLIFICATEURS VOIE A ET SYNCHRONISATION A (Z5) 1949 480

TP 1 : sortie B

100 mV/div



0,5 ms/div

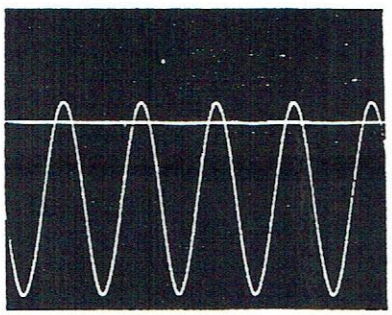
Signal appliqué à l'oscilloscope testé :

Fréquence 1 kHz

Amplitude sur l'écran : 8 div

TP 2 : signal de synchronisation B

100 mV/div



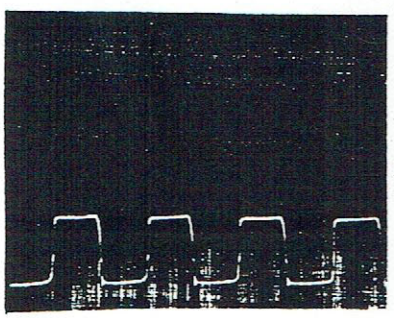
0,5 ms/div

Fréquence 1 kHz

Amplitude sur l'écran : 8 div

TP 3 : signal de commutation

1 V/div



1µs/div

Prise porte femelle) sur circuit imprimé

Prise porte male) sur circuit imprimé

Connecteur multipolaire

Schlumberger

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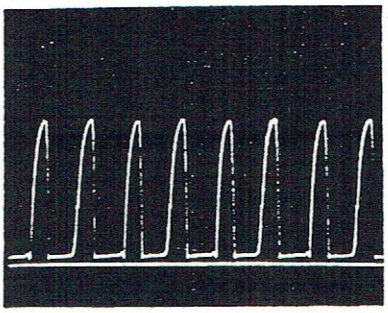
Z5

PREAMPLIFICATEUR B ET SYNCHRONISATION B (Z5)

1949_480

TP 4 : signal d'effacement de trame

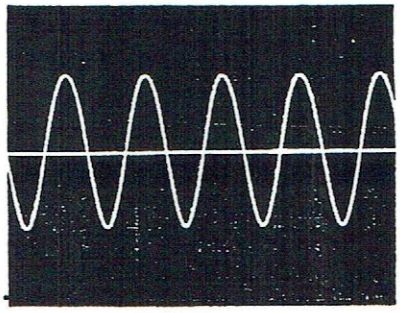
1 V/div



1 µs/div

TP 7 : signal de synchronisation

1 V/div

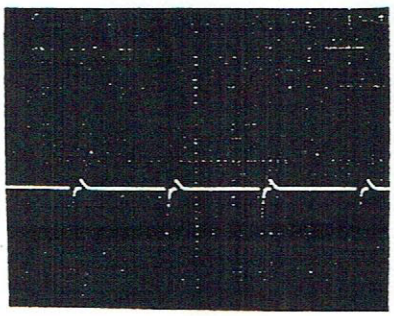


0,5 ms/div

Amplitude du signal sur l'écran de l'oscilloscope testé : 8 div

Entrée 34 de Z5 : signal de commande alternée

2 V/div



0,1 ms/div

Durée de balayage de l'oscilloscope testé : 2 µs/div

Schlumberger

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Commandes exécutées

Cde n°

App. n°

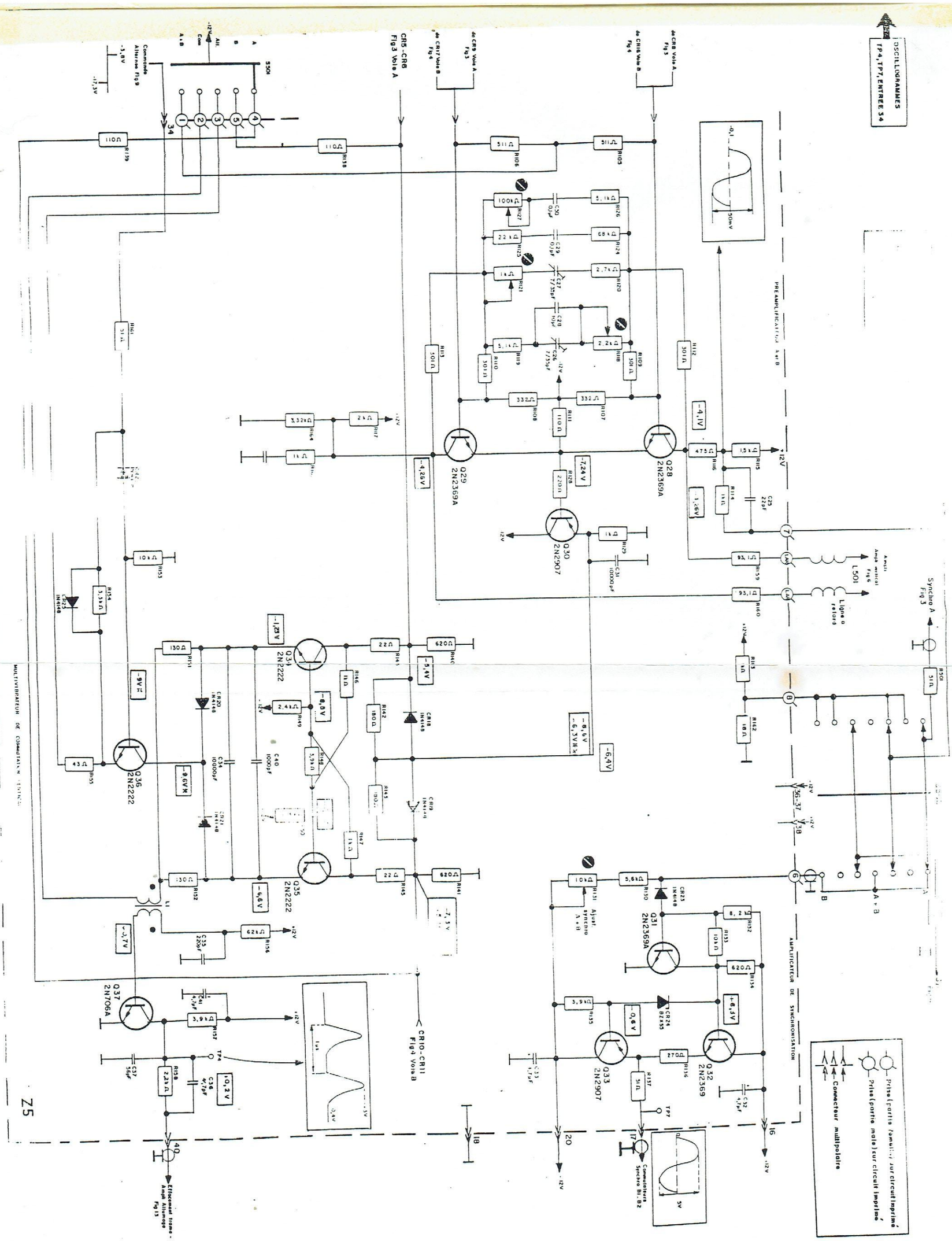
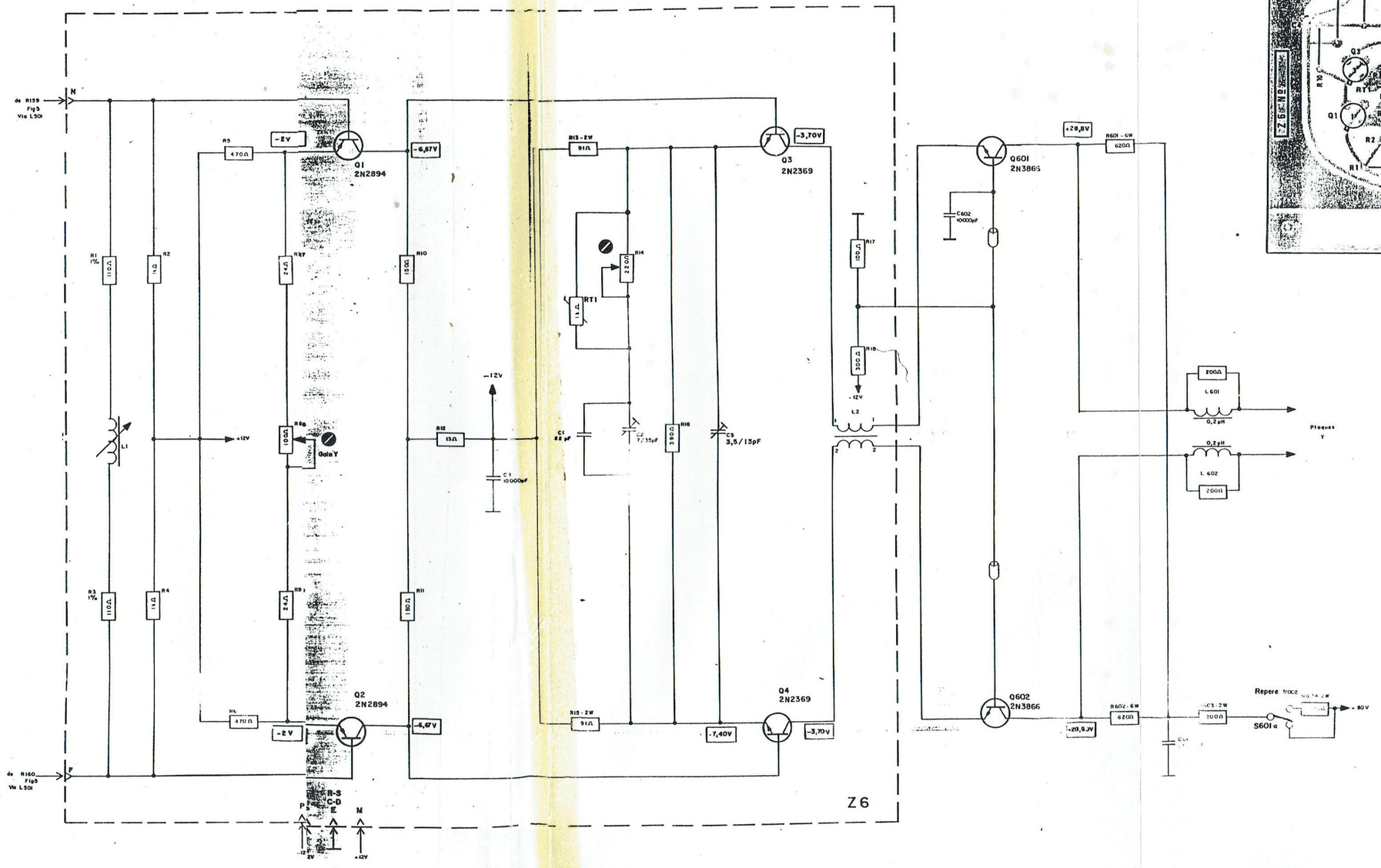
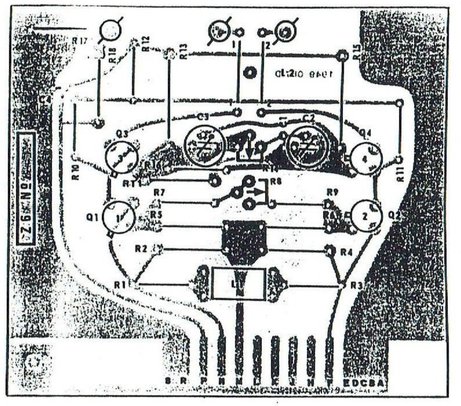


Fig 5 — PREAMPLIFICATEURS A ET B COMMUTATION VERTICALE
AMPLIFICATEUR DE SYNCHRONISATION (Z5) — 1949-/





1949 4806

AMPLIFICATEUR VERTICAL (Z6)

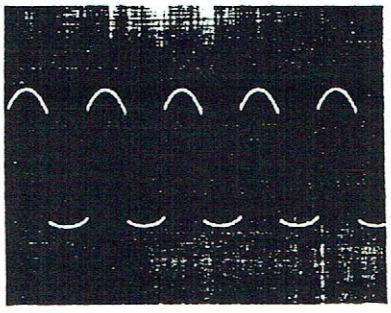
Fig6

TP 1 : Réglage de la diode tunnel CR 10

Amplitude du signal sur l'écran de l'oscilloscope testé : 3 div

a) Réglage correct

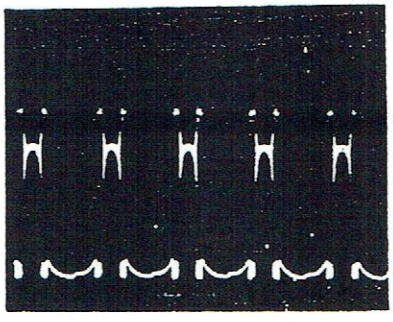
100 mV/div



0,5 ms/div

b) Diode tunnel trop sensibilisée

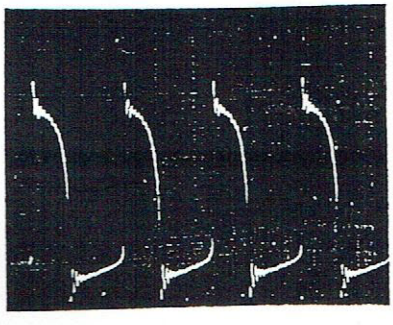
100 mV/div



0,5 ms/div

c) Signal de relaxation de la diode tunnel (sans signal à l'entrée)

100 mV/div



0,2 µs/div

Schlumberger

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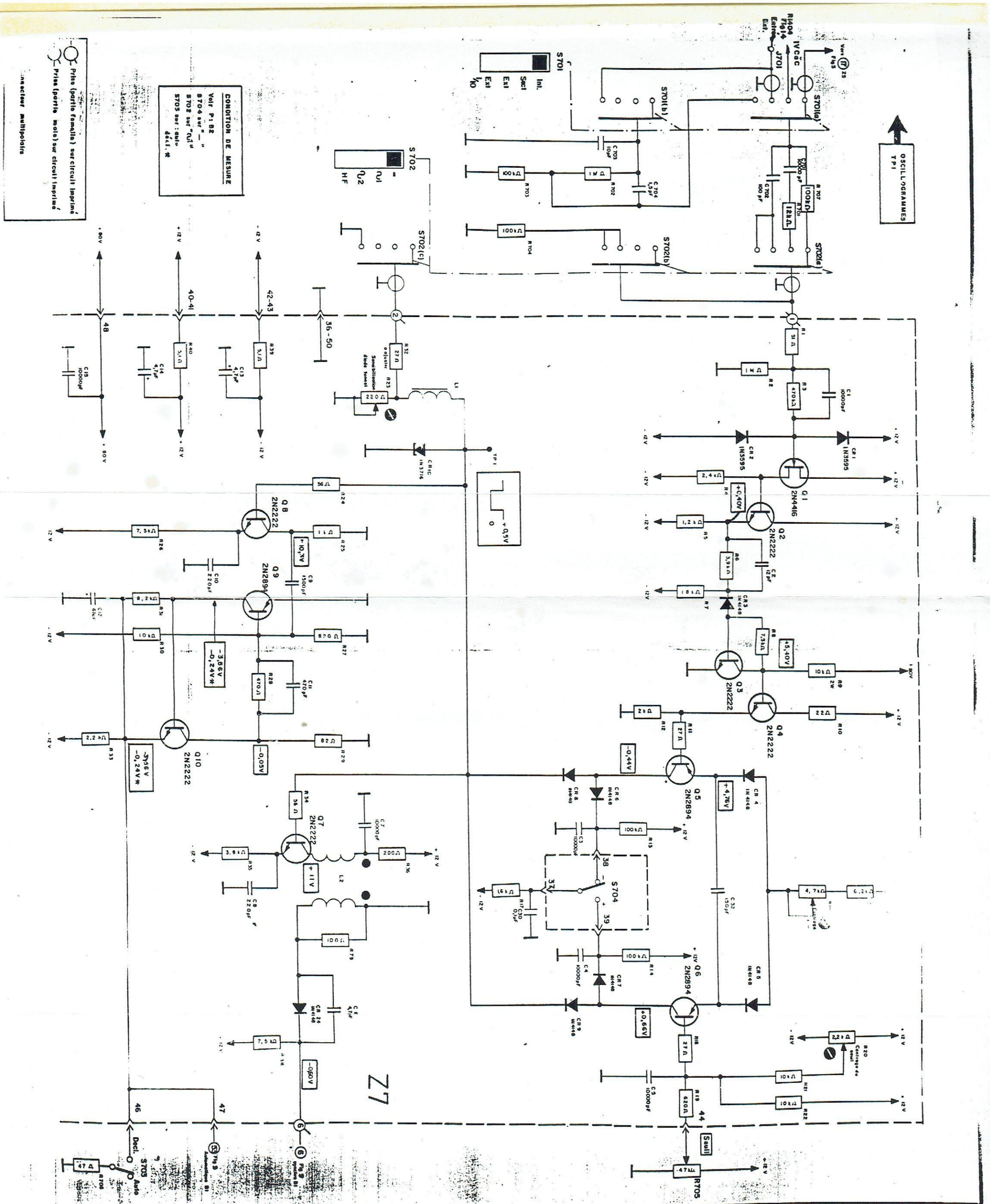
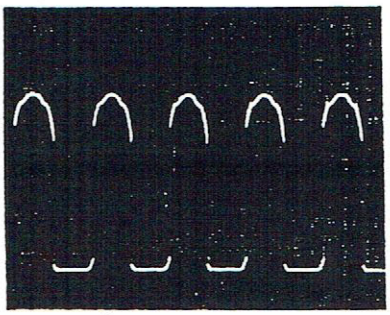


Fig 7 | SYNCHRONISATION B1 (Z7) | 1949_4807

TP 2

100 mV/div



0,5 ms/div

Amplitude du signal sur l'écran de l'oscilloscope testé : 4 div

Schlumberger

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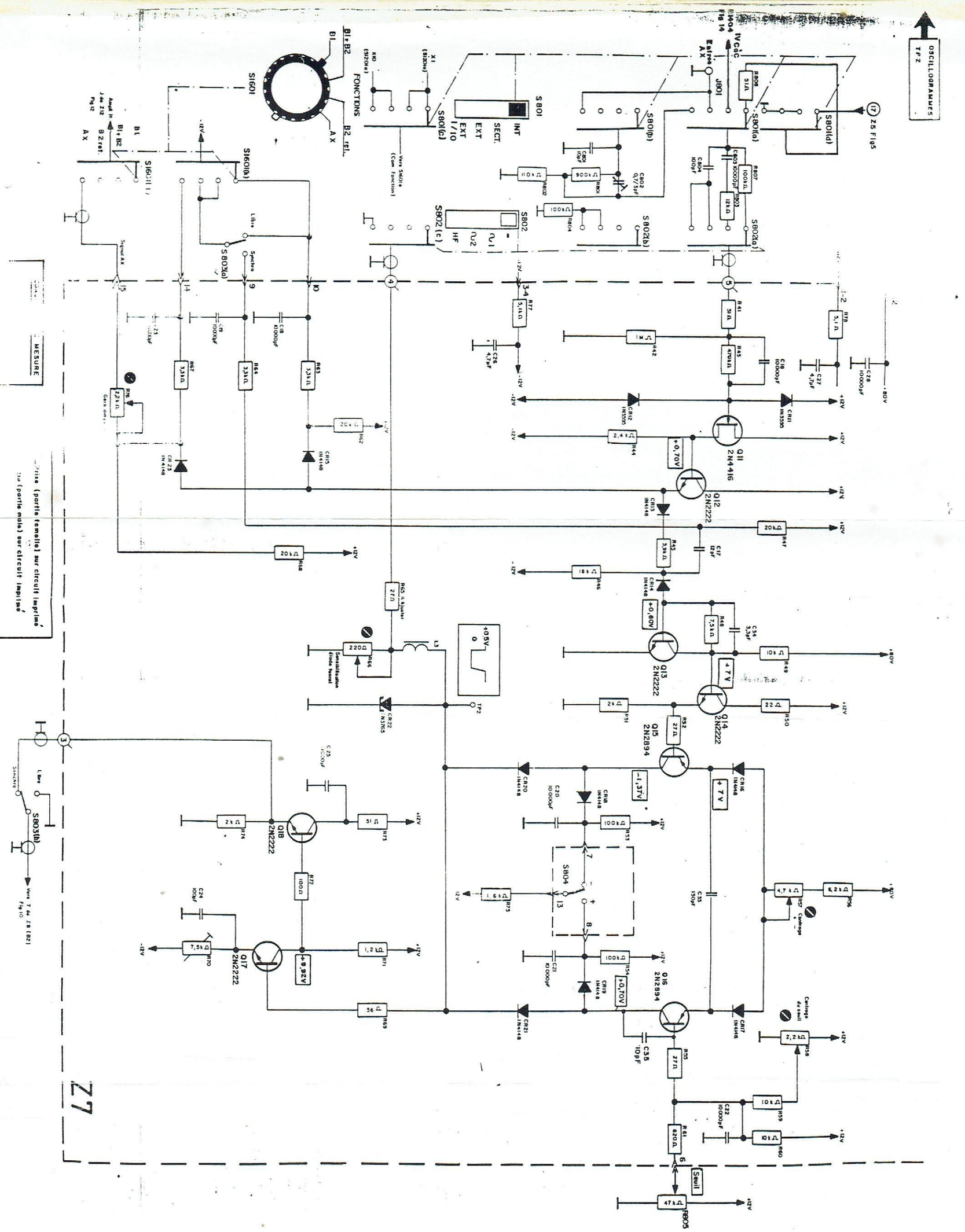
Dessiné par

Commandes exécutées

Cde n°

App. n°



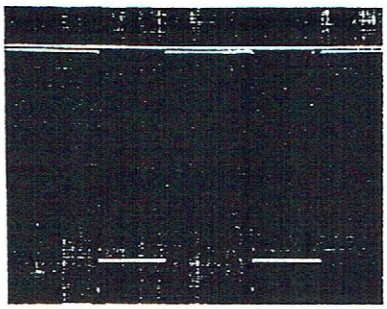
SYNCHRONISATION B2

1949 48

Oscilloscope testé : signal appliqué de fréquence 10 kHz environ
durée de balayage : 0,1 µs/div

TP 5

0,5 V/div

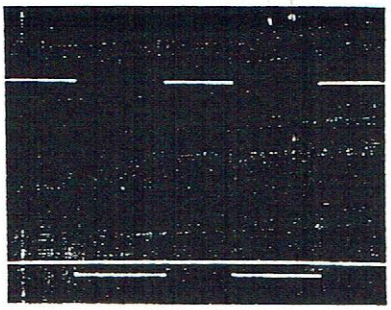


0 V

0,5 ms/div

TP 7

2 V/div

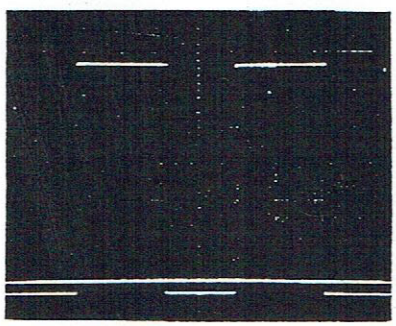


0 V

0,5 ms/div

TP 6

2 V/div

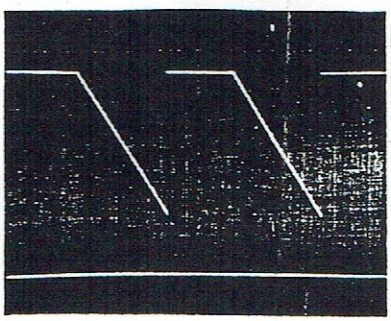


0 V

0,5 ms/div

TP 8

2 V/div



0 V

0,5 ms/div

Schlumberger

Référence OCT569A

Date

Dessiné par

Commandes exécutées

Cde n°

App. n°

Z8

Résistance et Capacité Miller

Prise (partie femelle) sur circuit imprimé

Prise (partie mâle) sur circuit imprimé

Connecteur multipolaire

MESURE

Normal
Mono
Réarm

Ampliitude BI

Q1 2N1893
Q2 2N965
Q3 2N2222
Q4 2N2907
Q5 2N2907
Q6 2N965
Q7 2x 2N2369
Q8 2N1964
Q9 2N1964
Q10 2N2222
Q11 2N2222
Q12 2N2222
Q13 2N2222
Q14 2N4416
Q15 2N2222
Q16

CR1 1N4148
CR2 1N3716
CR3 1N4148
CR4 1N4148
CR5 1N4148
CR6 1N4148
CR7 1N4148
CR8 1N3595
CR9 1N4244
CR10 1N3716
CR11 BZX55
CR12 BZX55
CR13 1N4148
CR14 1N4148
CR15 1N4148
CR16 1N4148
CR17 1N4148
CR18 1N4148
CR19 1N4148

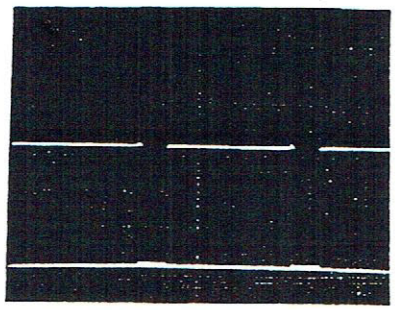
+170VNR
-170VNR
+80 V
-12 V
+12 V
-6 V
-2,2 V
-2,28 V
-0,70 V
+14,80 V ±1V*
-11,8 V
6,70 V

J901 Blanking BI
Alterne Synchro Verrouillé Fig 8
Synchro BI
Base de temps BI Fig 10
Base de temps B2 Fig 10
Réarm
Automatique
Base de temps BI Fig 7

Oscilloscope testé

5 V/div

TP 1



0 V

0,5 ms/div

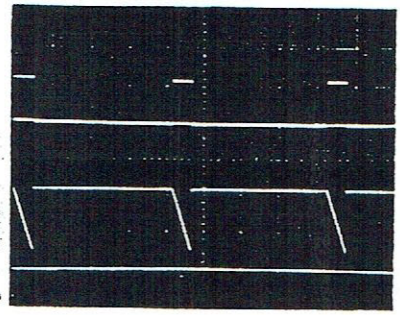
Signal appliqué : 10 kHz environ
Retard : 8,0
Durée de balayage : 0,1 ms

10 V/div

TP 2

5 V/div

TP 4



0 V

0 V

0,5 ms/div

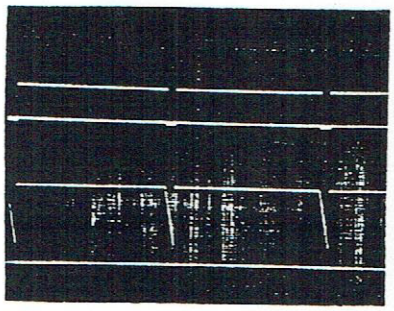
Durée de balayage : 10 µs/div

10 V/div

TP 3

5 V/div

TP 4



0 V

0 V

0,5 ms/div

Durée de balayage : 5 µs/div

Schlumberger

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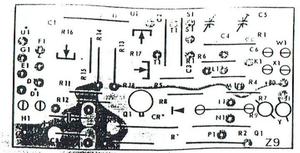
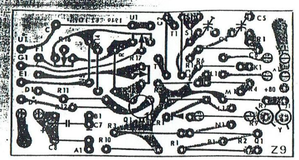
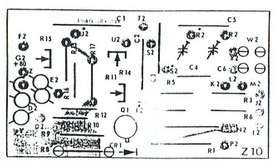
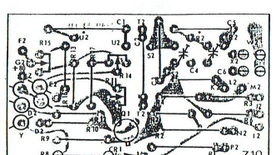
BASE DE TEMPS B2 (Z8)









Schlumberger

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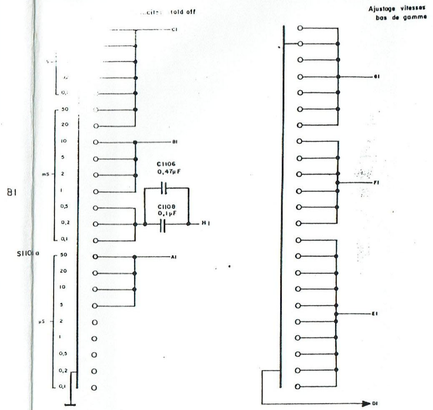
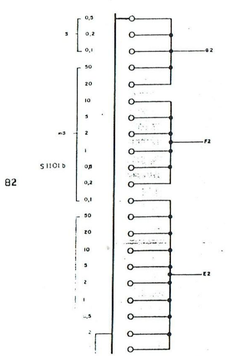
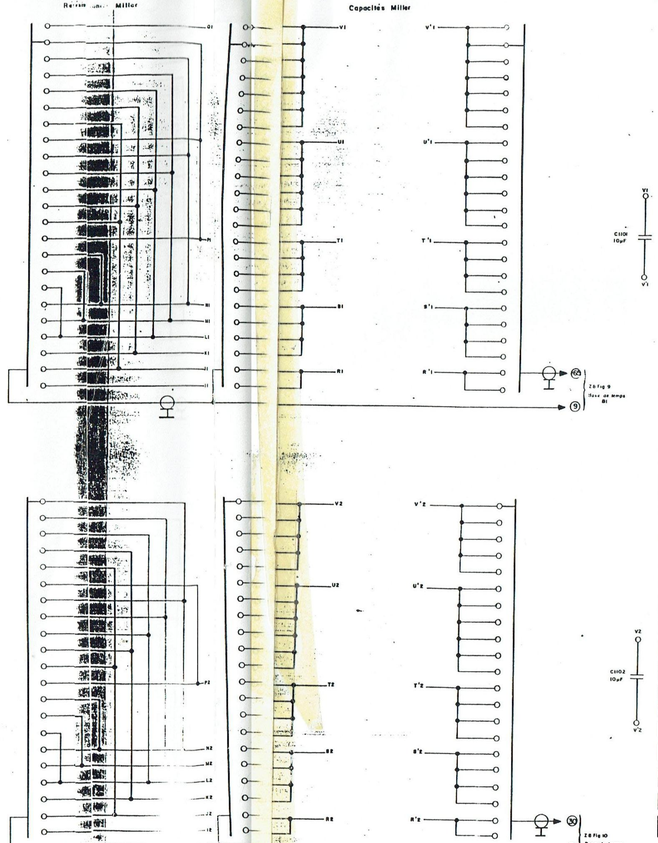
Commandes exécutées

Cde n° | App. n°







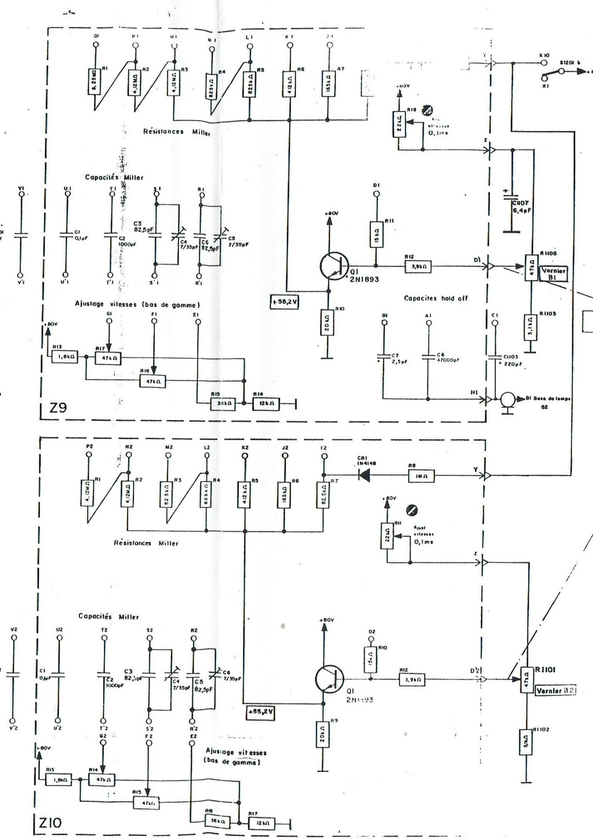
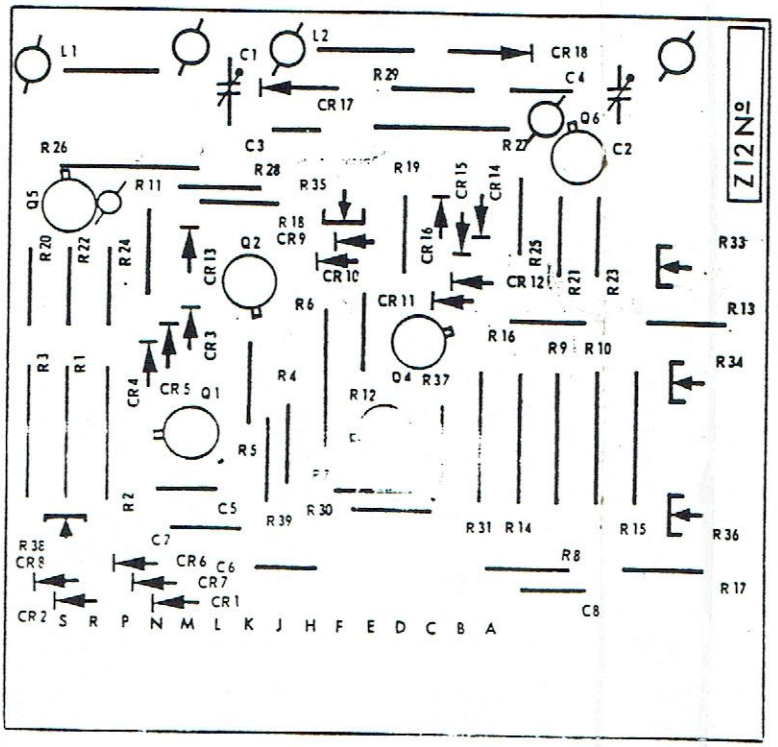
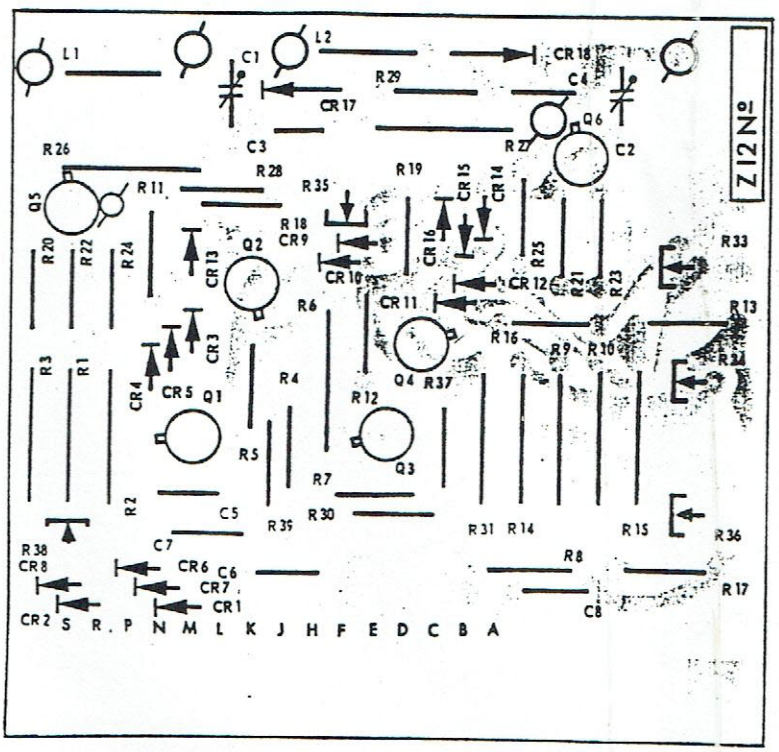


Fig 11 | CONTACTEUR BALAYAGE B1 ET B2 (Z9 _ Z10) | 1949 - 4811





Schlumberger

Référence OCT569 A

Date le 14.12.79

Dessiné par

Commandes exécutées

Cde n°

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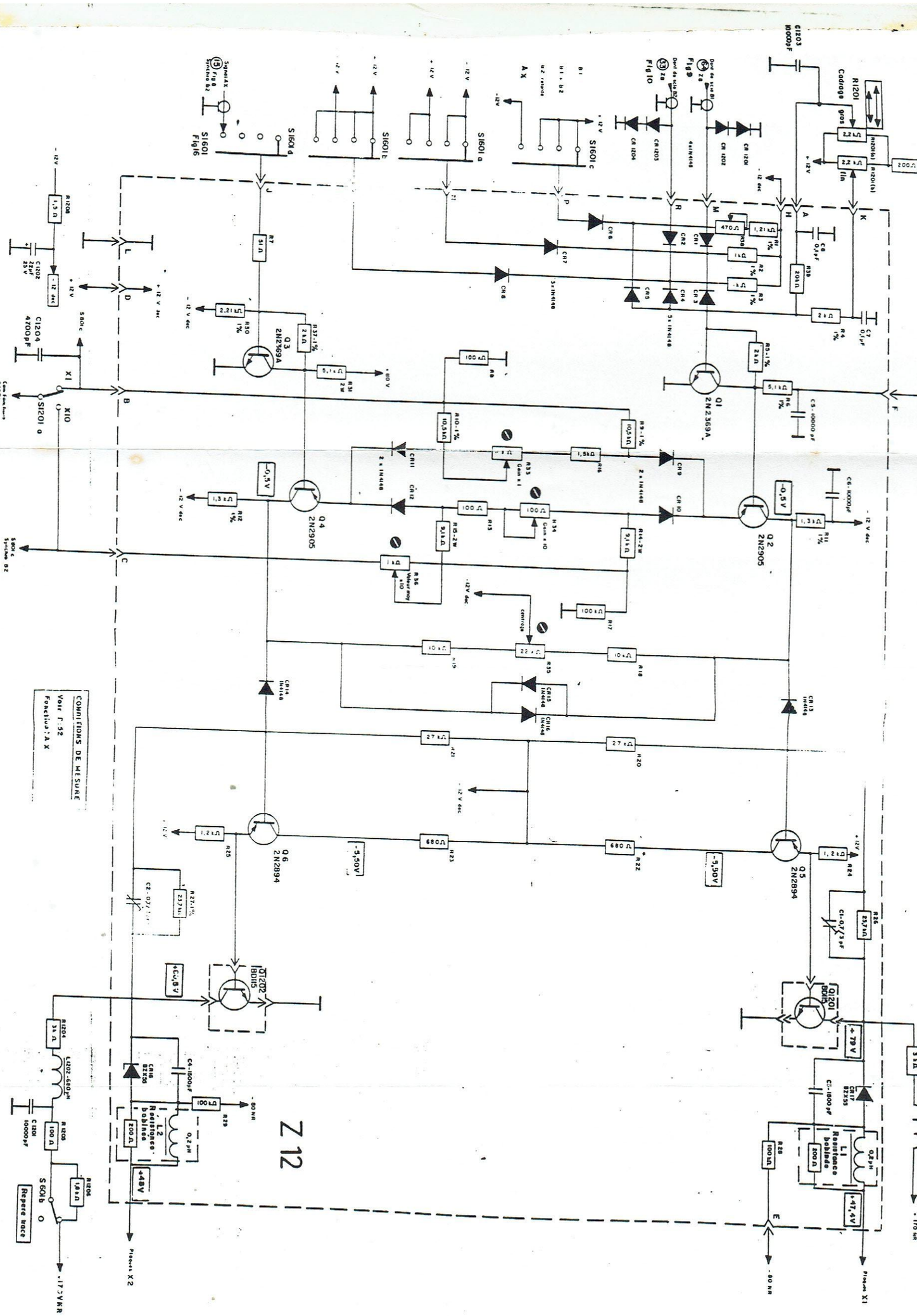


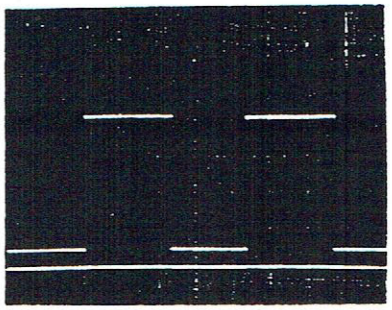
Fig 12 AMPLIFICATEUR HORIZONTAL (Z12) 1949-481

Sortie F de Z11

Durée de balayage de l'oscilloscope te

a) Créneau d'allumage B 1

10 V/div



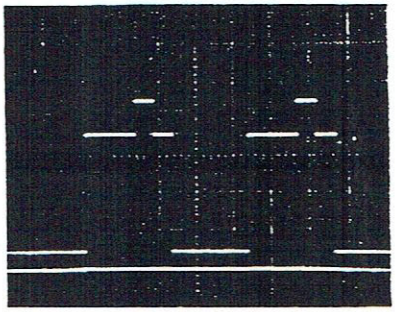
0 V

0,5 ms/div

B 1 : 0,1 ms/div

b) Créneau d'allumage B 1 + B 2

10 V/div



0 V

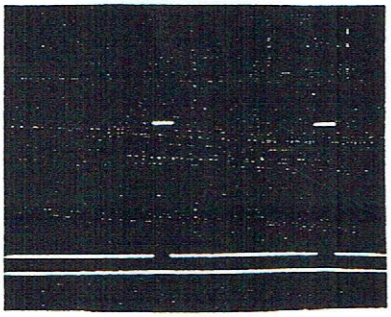
0,5 ms/div

B 1 : 0,1 ms/div

B 2 : 20 µs/div

c) Créneau d'allumage B 2

10 V/div



0 V

0,5 ms/div

B 2 : 20 µs/div

Schlumberger

Référence OCT 569 A

Date le 1er 12.79

Dessiné par

Commandes exécutées

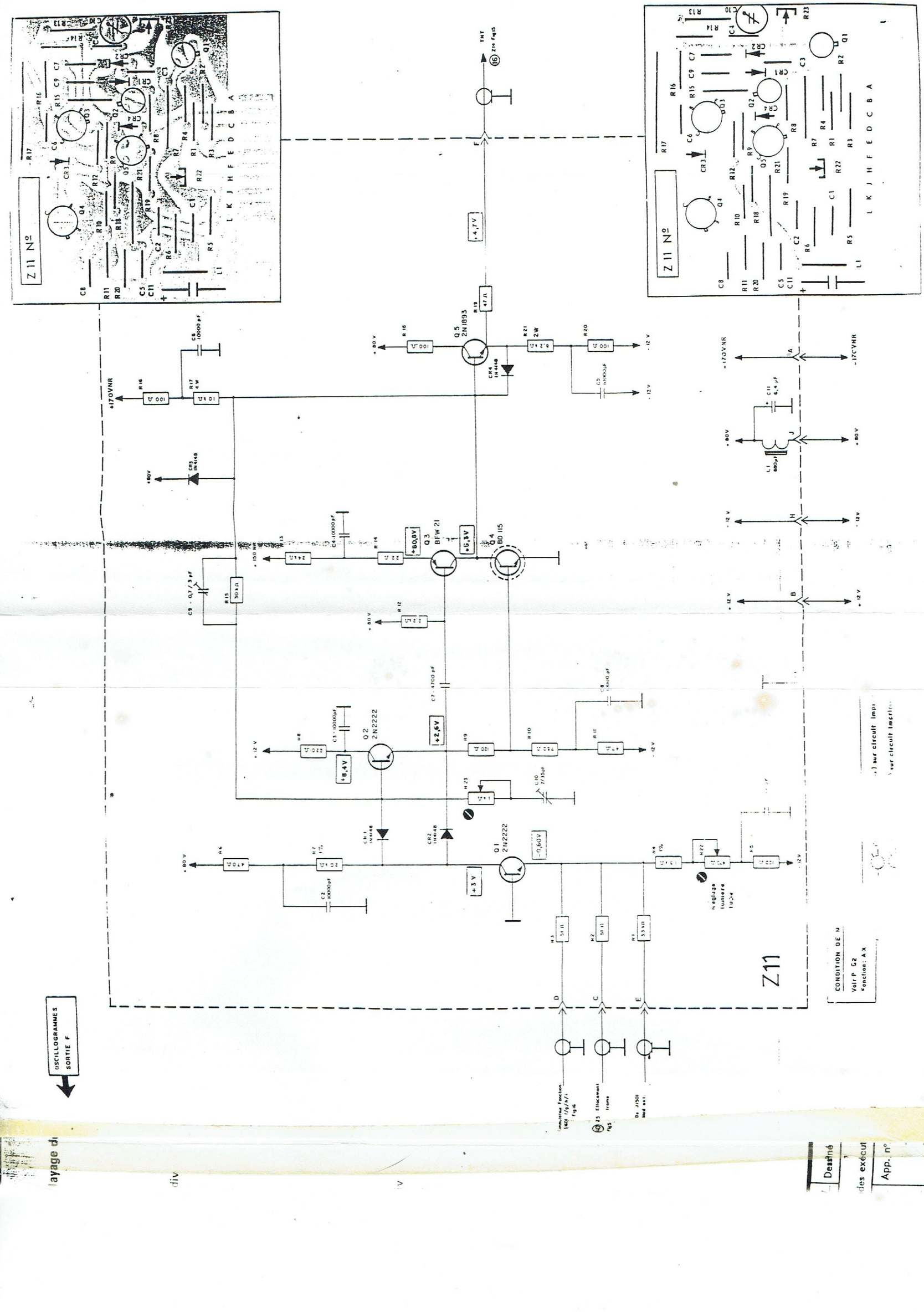
Cde nº

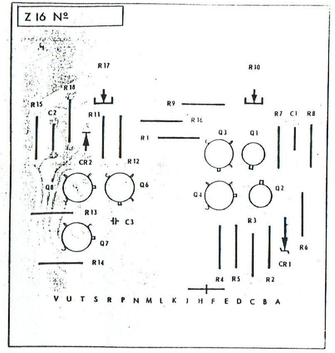
App. nº

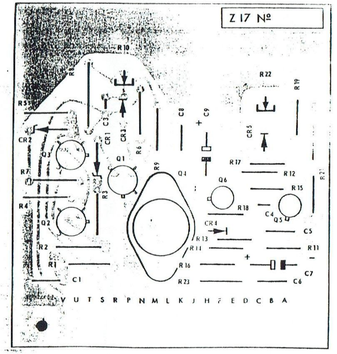
Fig 13

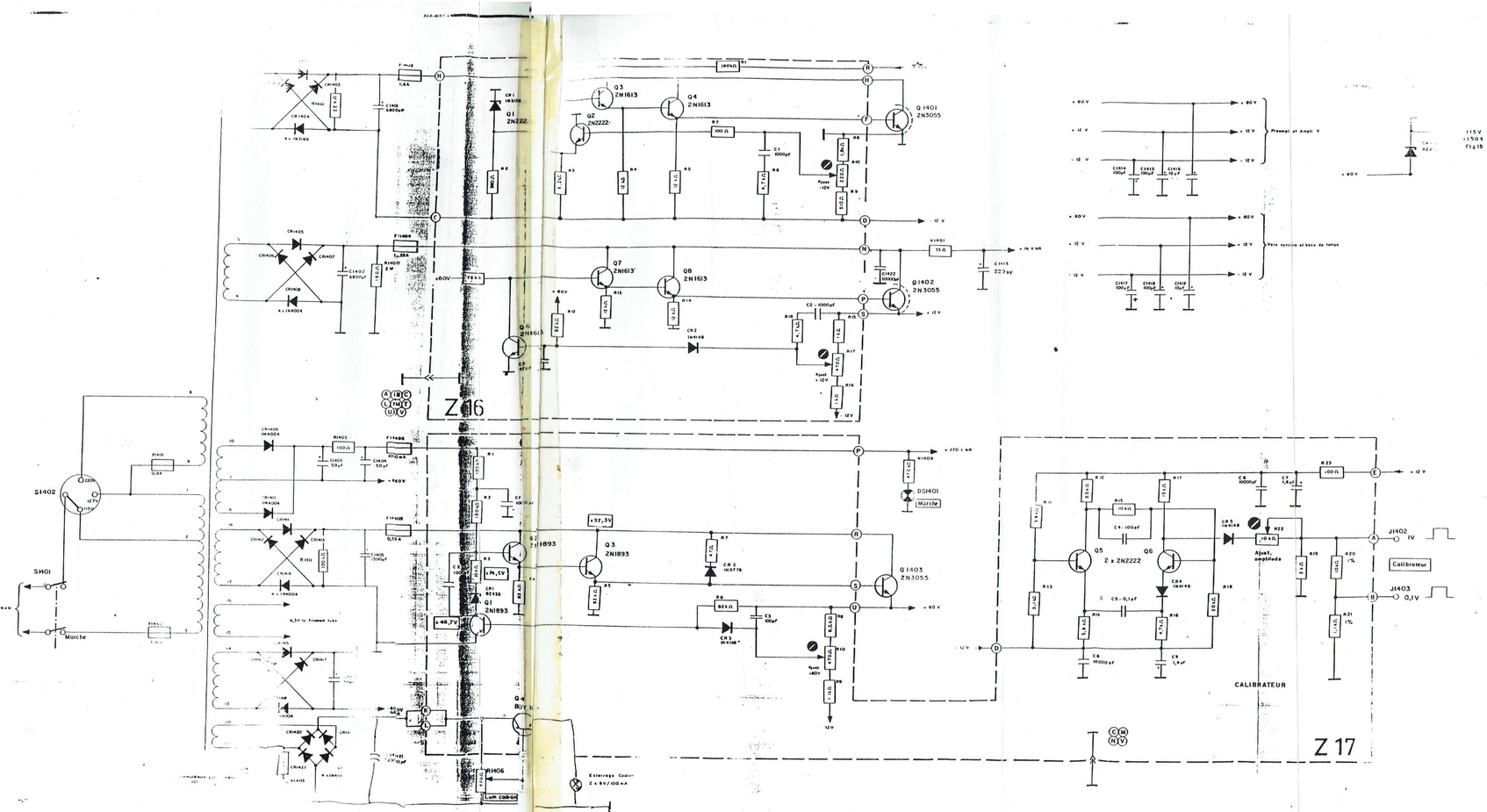
AMPLIFICATEUR D'ALLUMAGE (Z11)

1949 481



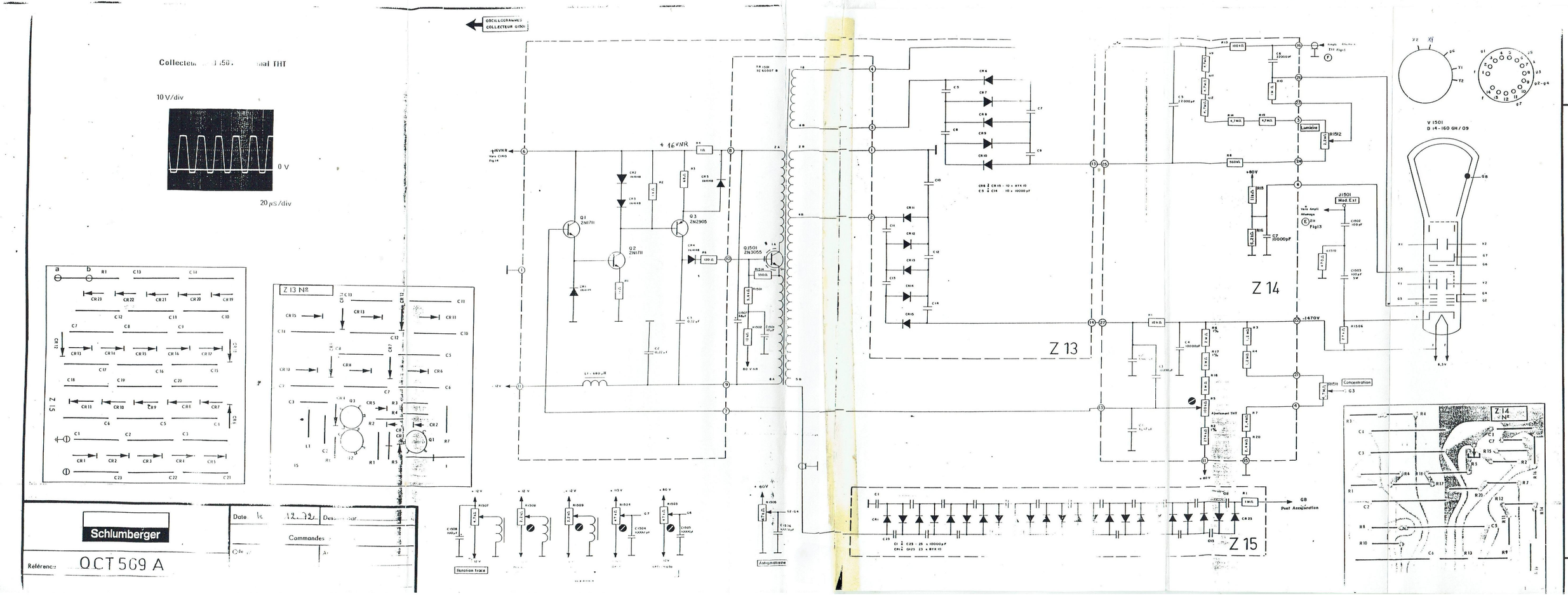






Schlumberger	Date	Dessiné par
	Commandes exécutées	
Réf. OCT 569 A	Cde nº	App. nº

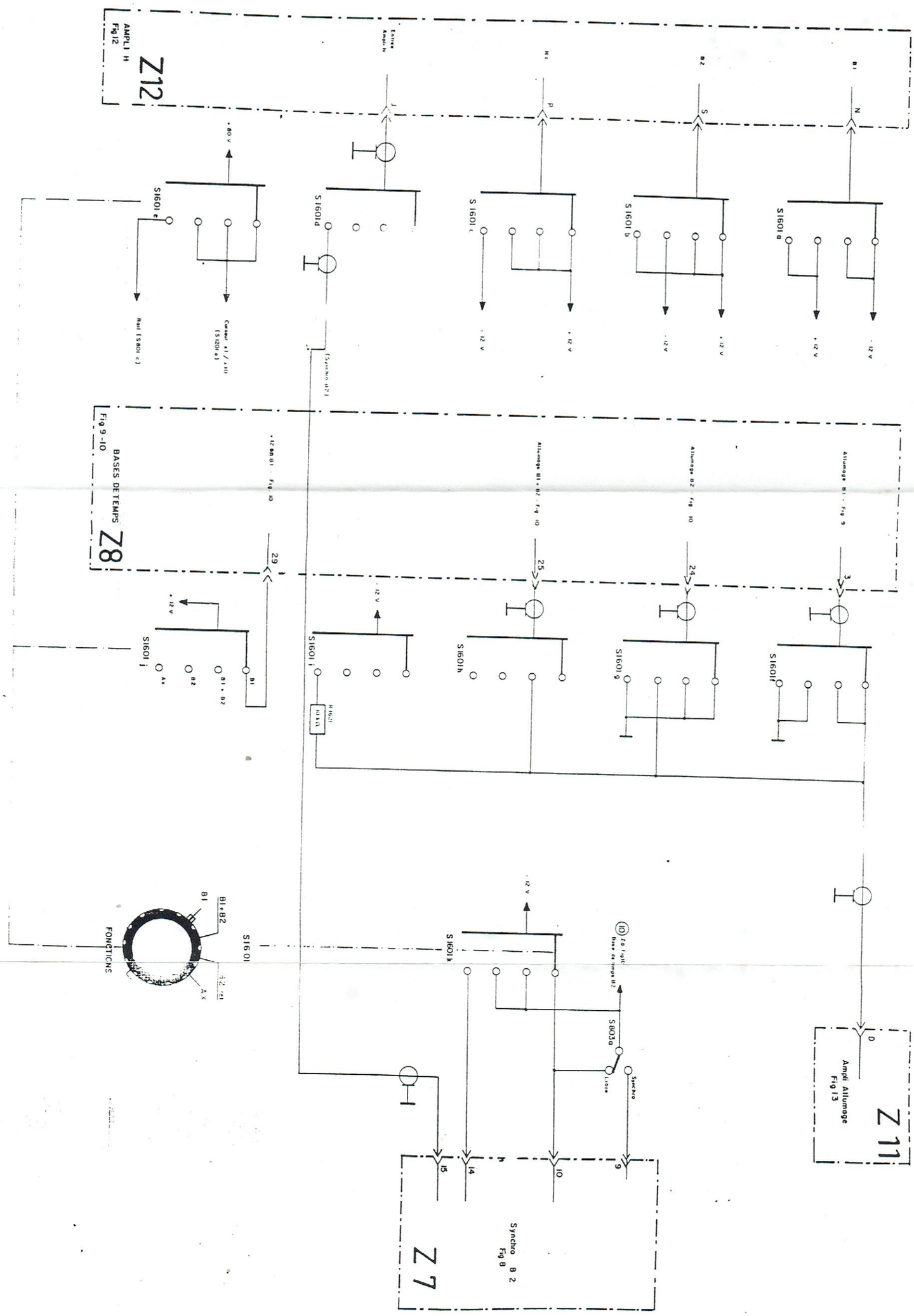
ALIMENTATION GENERALE ±12V,+80V CALIBRATEUR (Z16 Z17) 1949 - 481



1949_4815

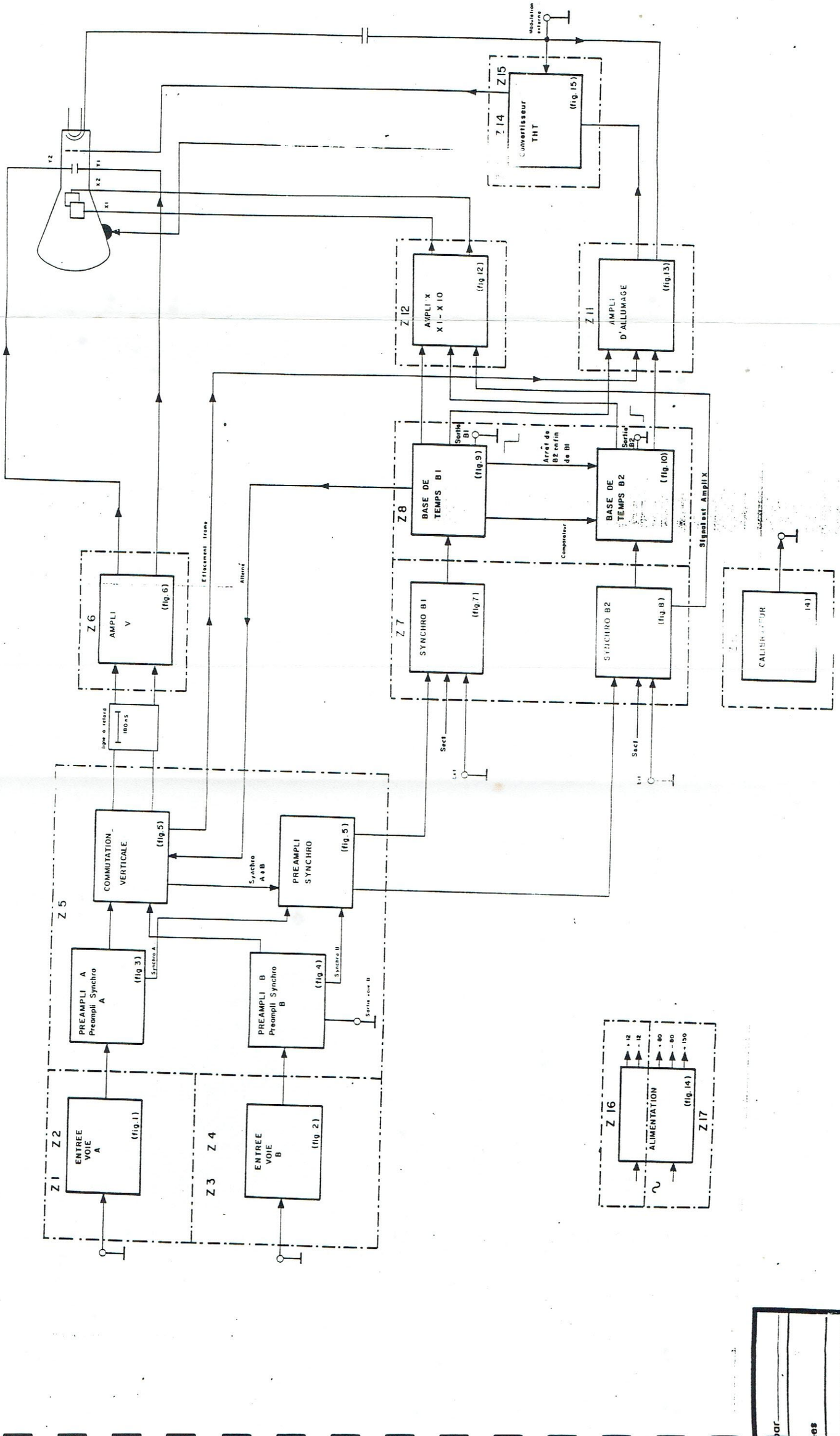
CONVERTISSEUR T.H.T. (Z13 _ Z14 _ Z15)

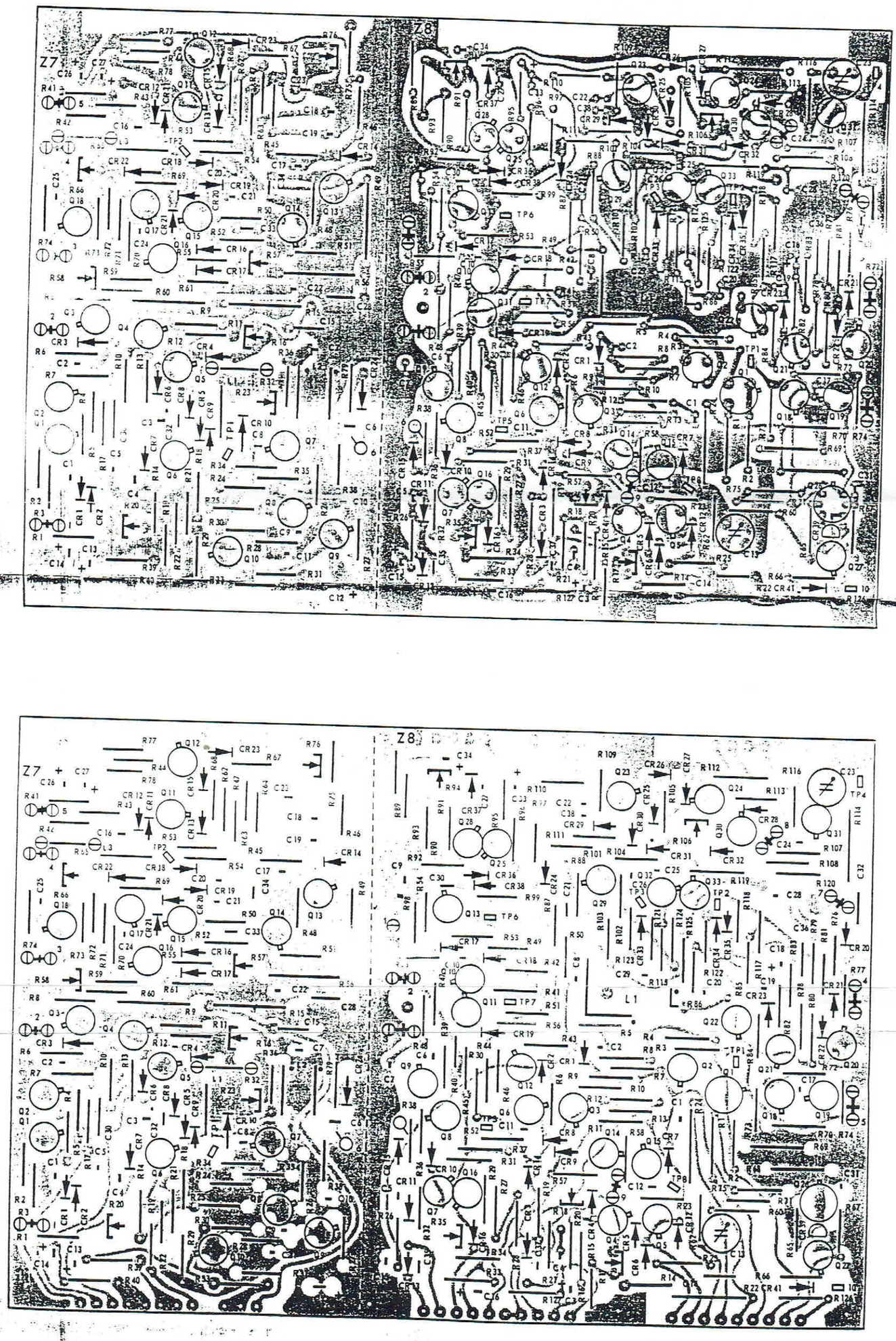
Fig15



16 CONTACTEUR FONCTIONS S1601 1949 - 481

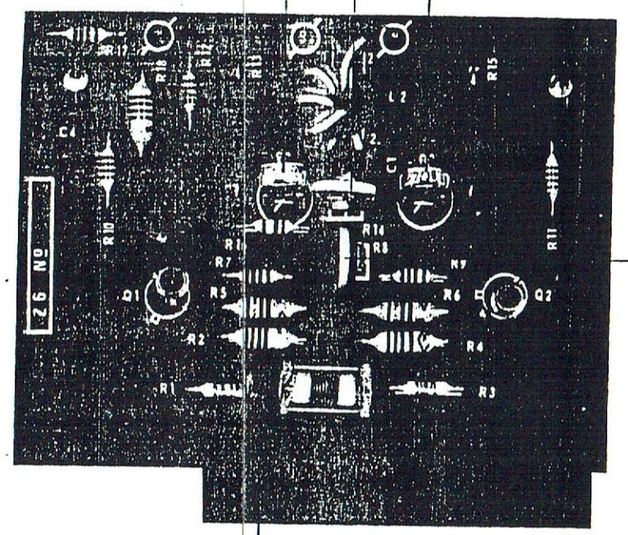
SYNOPTIQUE


Modulation externe
Z15
Convertisseur THT
(fig.15)
Z14
Y2
Y1
X2
X1
Z12
AMPLI X X1 - X10
(fig.12)
Z11
AMPLI D'ALLUMAGE
(fig.13)
Sortie B1
Arrêt de BZ en fin de BI
Sortie B2
Z8
BASE DE TEMPS B1
(fig.9)
BASE DE TEMPS B2
(fig.10)
Comparateur
Signal est Ampli X
Z6
AMPLI V
(fig.6)
Effacement trame
Allumé
Z7
SYNCHRO B1
(fig.7)
SYNCHRO B2
(fig.8)
CALIBRATEUR
(14)
Secf
Secf
ligne à retard
180 nS
COMMUTATION VERTICALE
(fig.5)
Synchro A ou B
PREAMPLI SYNCHRO
(fig.5)
Z5
PREAMPLI A
Preampli Synchro A
(fig.3)
Synchro A
PREAMPLI B
Preampli Synchro B
(fig.4)
Synchro B
Sortie voie B
Z1 Z2
ENTREE VOIE A
(fig.1)
Z3 Z4
ENTREE VOIE B
(fig.2)
Z16
+12
-12
+80
-80
+150
ALIMENTATION
(fig.14)
Z17


Z7
Z8
L1
TP1
TP2
TP3
TP4
TP5
TP6
TP7
TP8

Compensation HF

C3 R14 C2



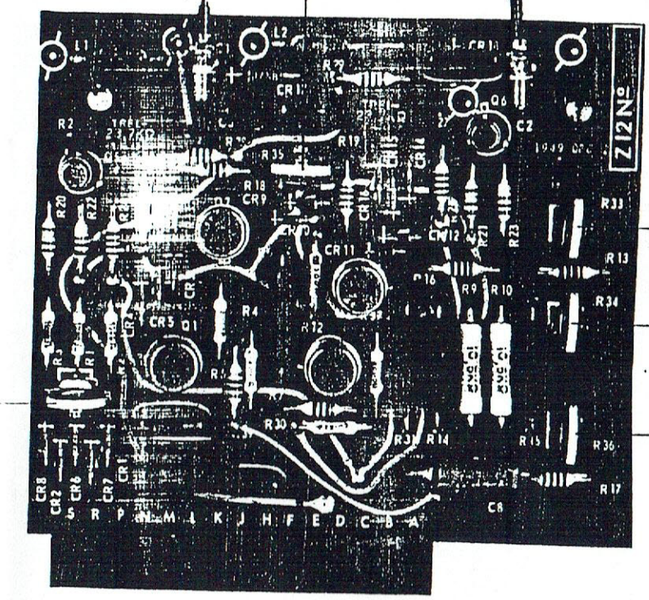
AMPLIFICATEUR VERTICAL

Z6

Réglage HF

C1 C2

R35 Centrage



AMPLIFICATEUR HORIZONTAL

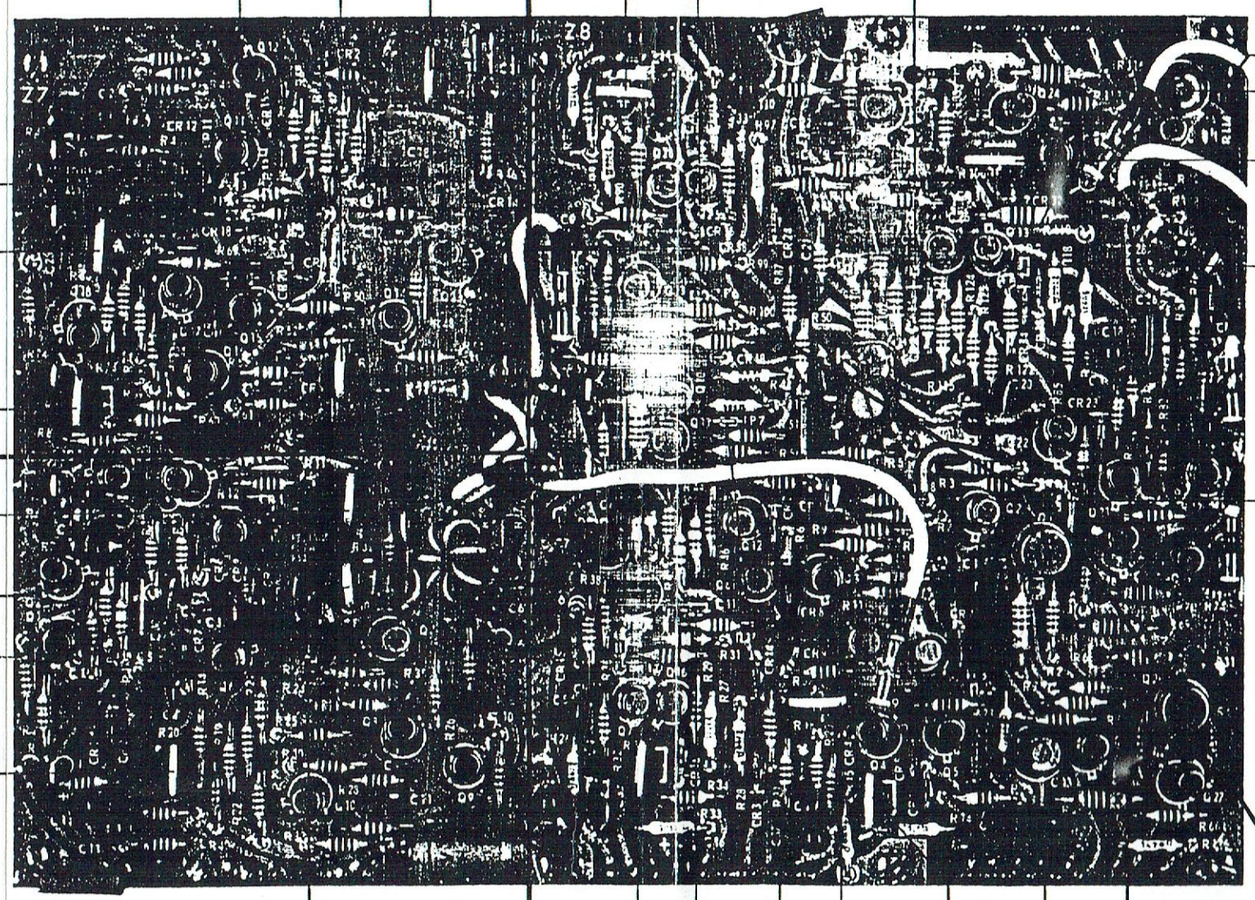
Z12

Date le 29.11.7

SYNCHRO - BASES DE TEMPS - Z7 - Z8

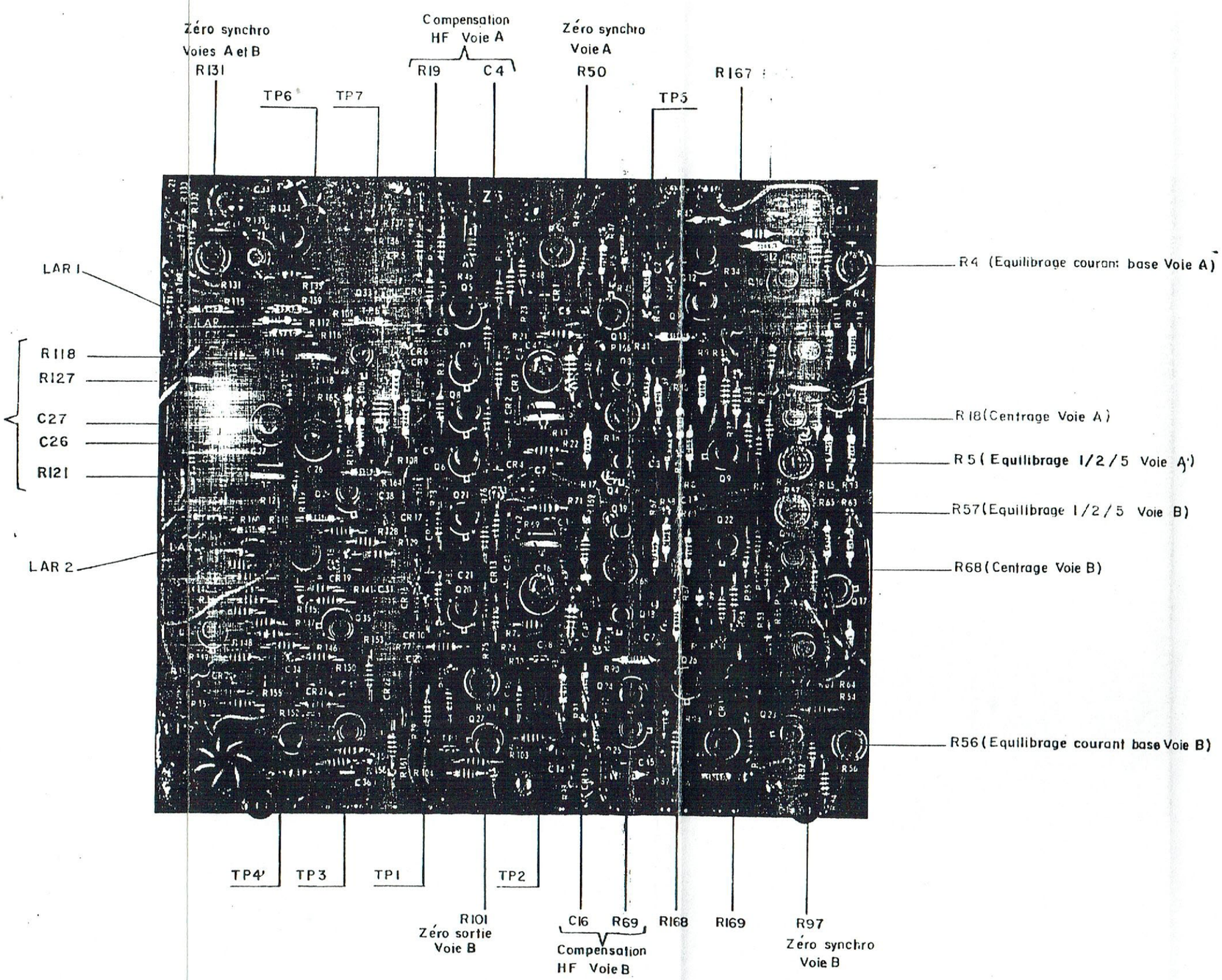
SYNCHRO B2
Z7 - Fig.8

BASE DE TEMPS B2
Z8 - Fig.10



BASE DE TEMPS B1
Z8 - Fig 9

PREAMPLIFICATEURS A ETB_Z5 | 1949_461



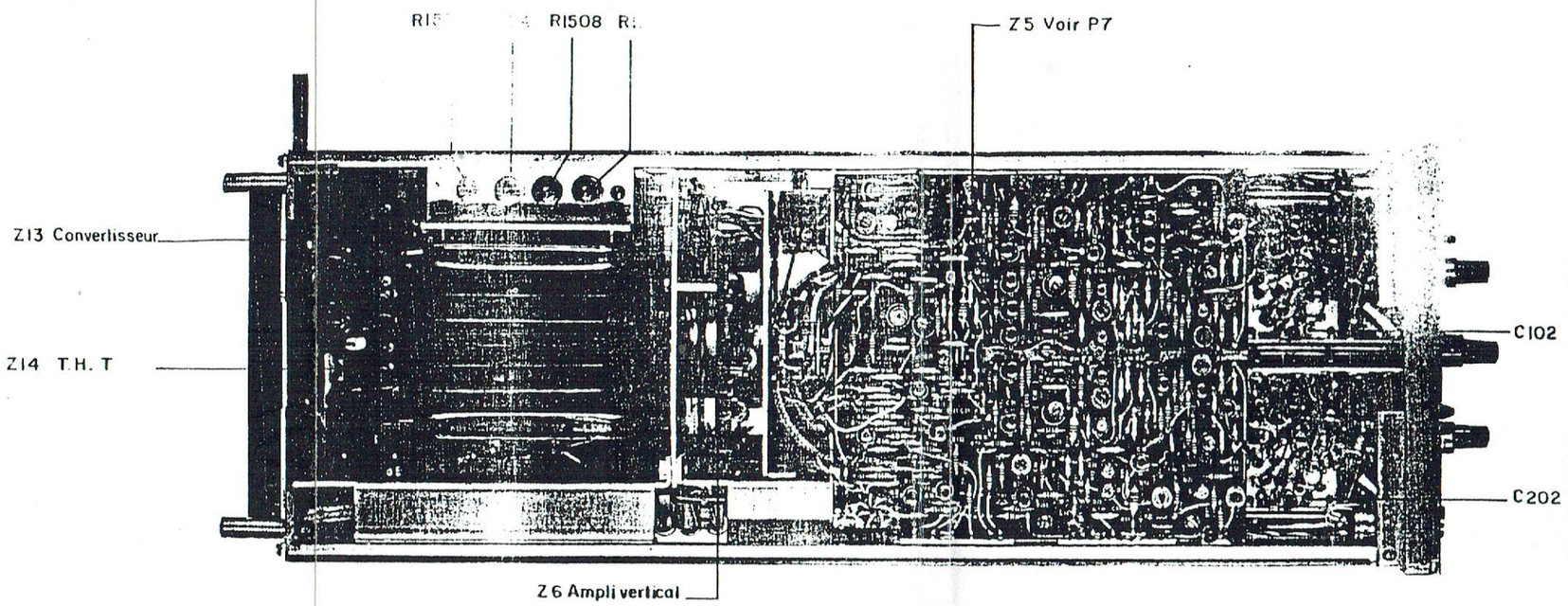
Date 28-11-1979

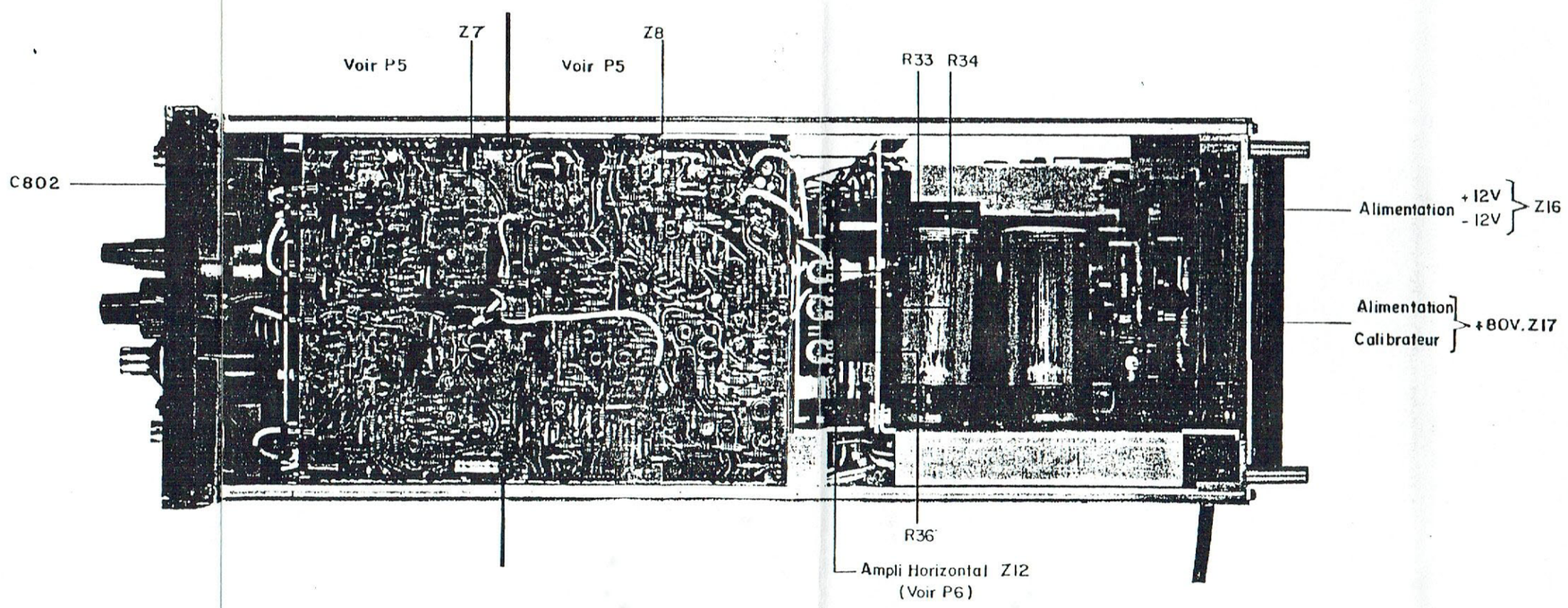
Commande

Cde n°

VUES DE DROITE ET DE GAUCHE

1949 4604





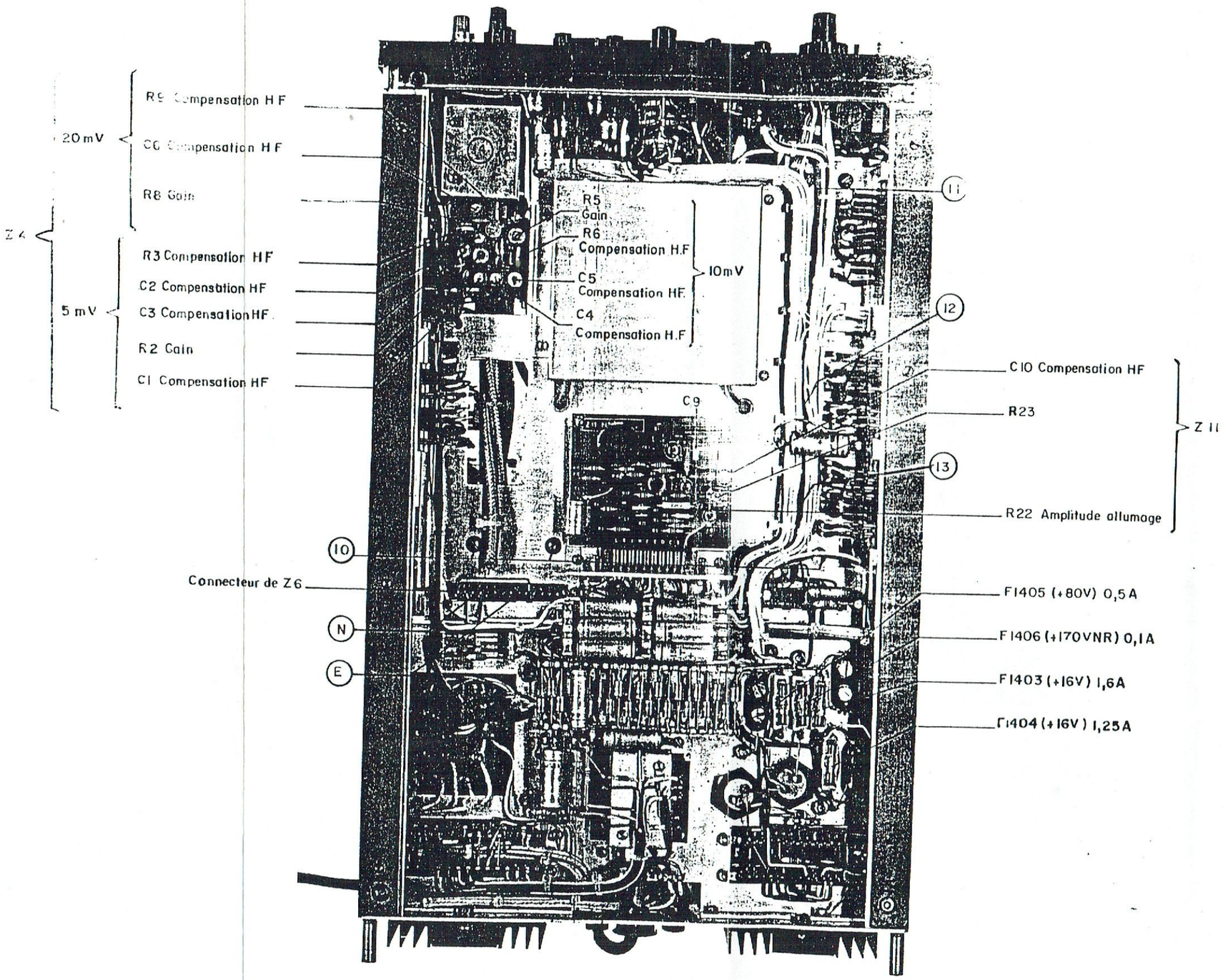
ate le 28. 11- 72

Command

de n°

P3

VUE DE DESSOUS



Date 1 - 27-11-1979

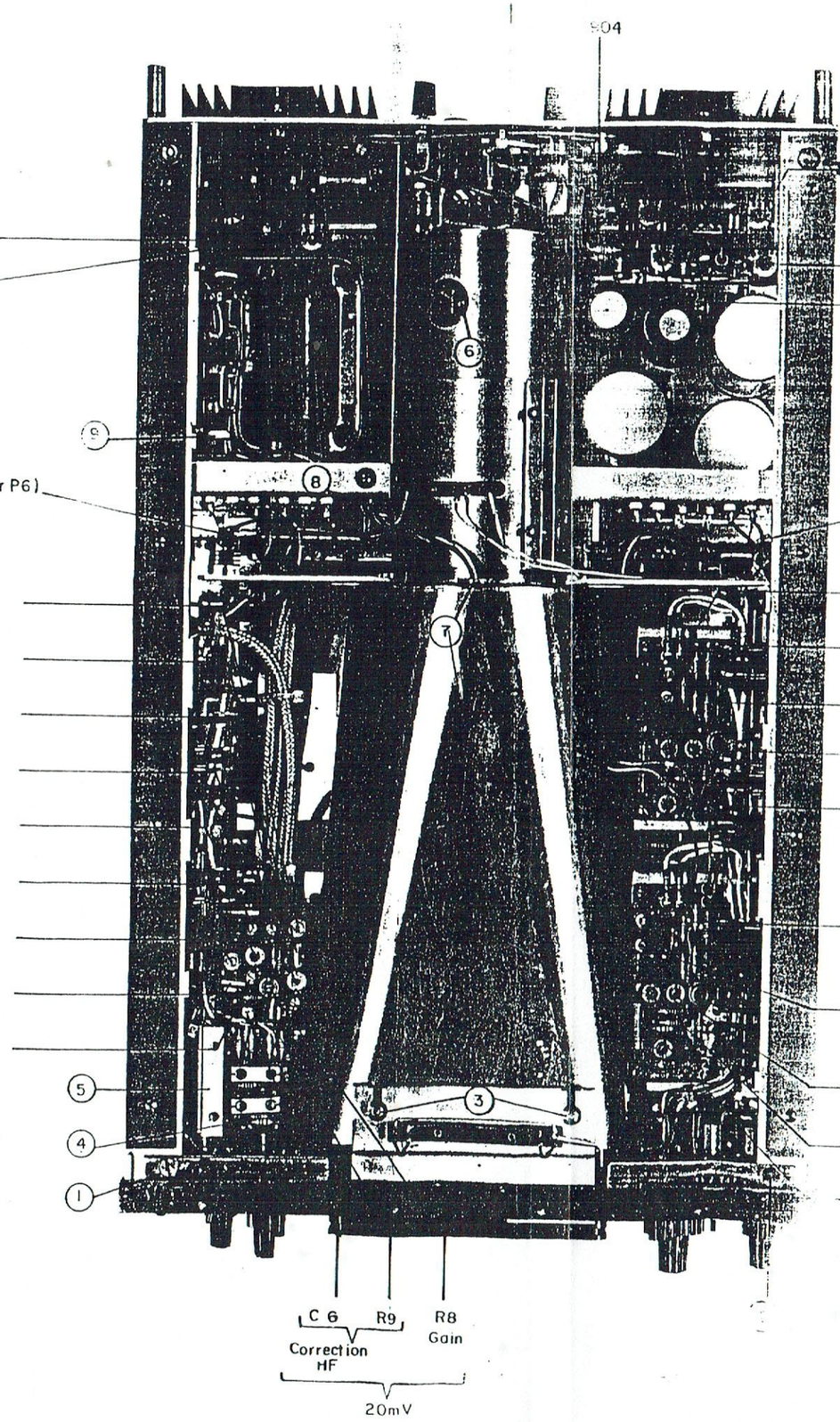
Cont and

Cde

1949 4602

VUE DE DESSUS

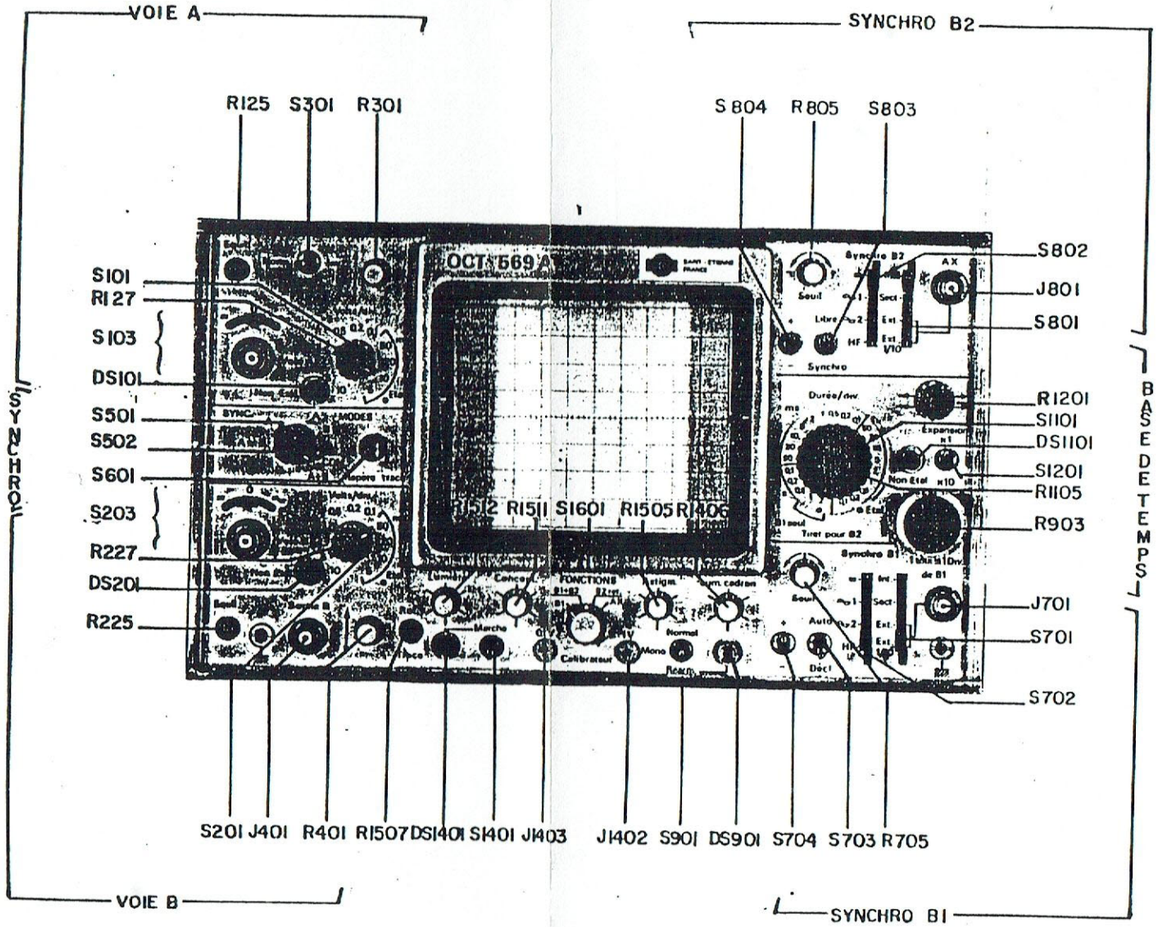
P2



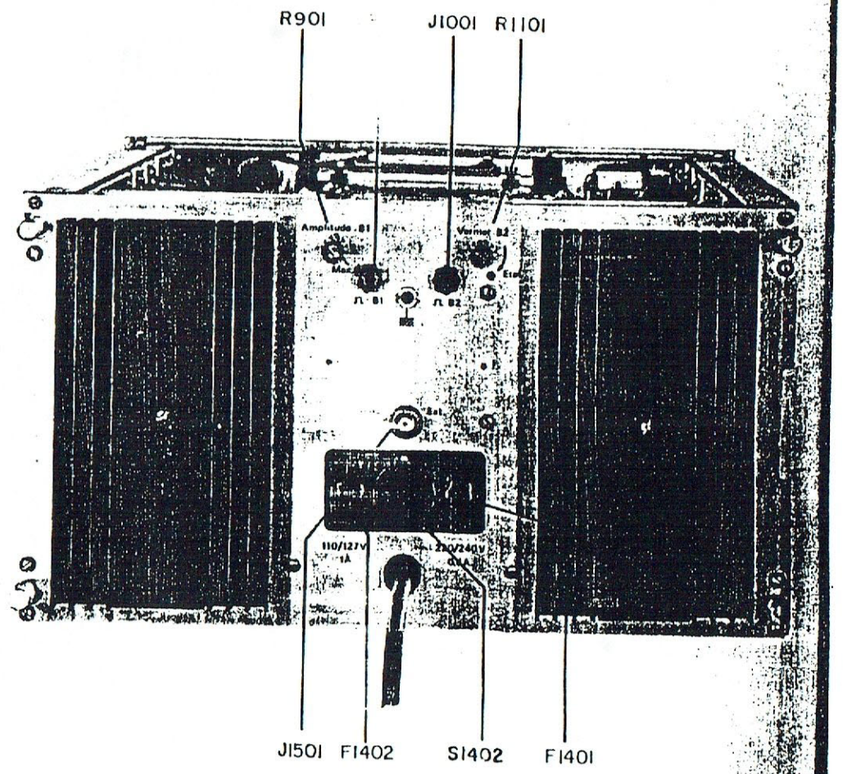
Date le 29.11.63

Comm

Cde n°



VUE AVANT



VUE ARRIÈRE

Date le 28. 11. 1978 | Des

Commandes ex

Cde n° | App.