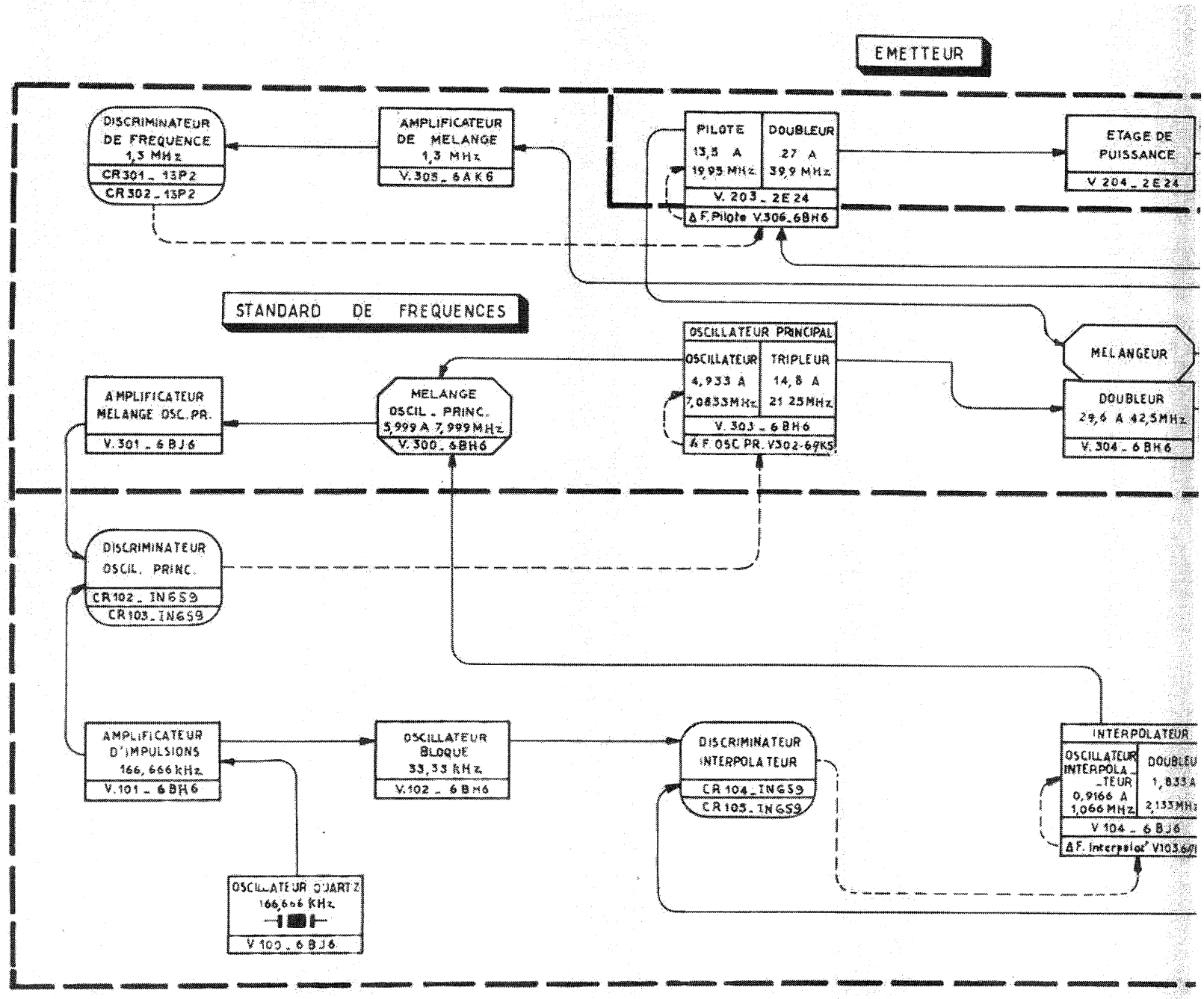

EMETTEUR
DISCRIMINATEUR DE FREQUENCE 1,3 MHz
CR 301 _ 13P2
CR 302 _ 13P2
AMPLIFICATEUR DE MELANGE 1,3 MHz
V. 305 _ 6AK6
PILOTE 13,3 A 19,95 MHz
DOUBLEUR 27 A 39,9 MHz
V. 203 _ 2E24
Δ F. Pilote V.306_6BH6
ETAGE DE PUISSANCE
V 204 _ 2E24
STANDARD DE FREQUENCES
OSCILLATEUR PRINCIPAL
OSCILLATEUR 4,933 A 7,0833 MHz
TRIPLEUR 14,8 A 21 25 MHz
V. 303 _ 6BH6
Δ F OSC. PR. V302-6BK5
MELANGEUR
DOUBLEUR 29,6 A 42,5 MHz
V. 304 _ 6BH6
AMPLIFICATEUR MELANGE OSC. PR.
V. 301 _ 6BJ6
MELANGE OSCIL. PRINC. 5,999 A 7,999 MHz
V. 300 _ 6BH6
DISCRIMINATEUR OSCIL. PRINC.
CR 102 _ IN659
CR 103 _ IN659
AMPLIFICATEUR D'IMPULSIONS 166,666 kHz
V. 101 _ 6BH6
OSCILLATEUR BLOQUE 33,33 kHz
V. 102 _ 6BH6
DISCRIMINATEUR INTERPOLATEUR
CR 104 _ IN659
CR 105 _ IN659
INTERPOLATEUR
OSCILLATEUR INTERPOLA _ TEUR 0,9166 A 1,066 MHz
DOUBLEU 1,833 A 2,133 MHz
V 104 _ 6BJ6
Δ F. Interpolat° V103-6
OSCILLATEUR QUARTZ 166,666 KHz
V 100 _ 6BJ6

Planche 16

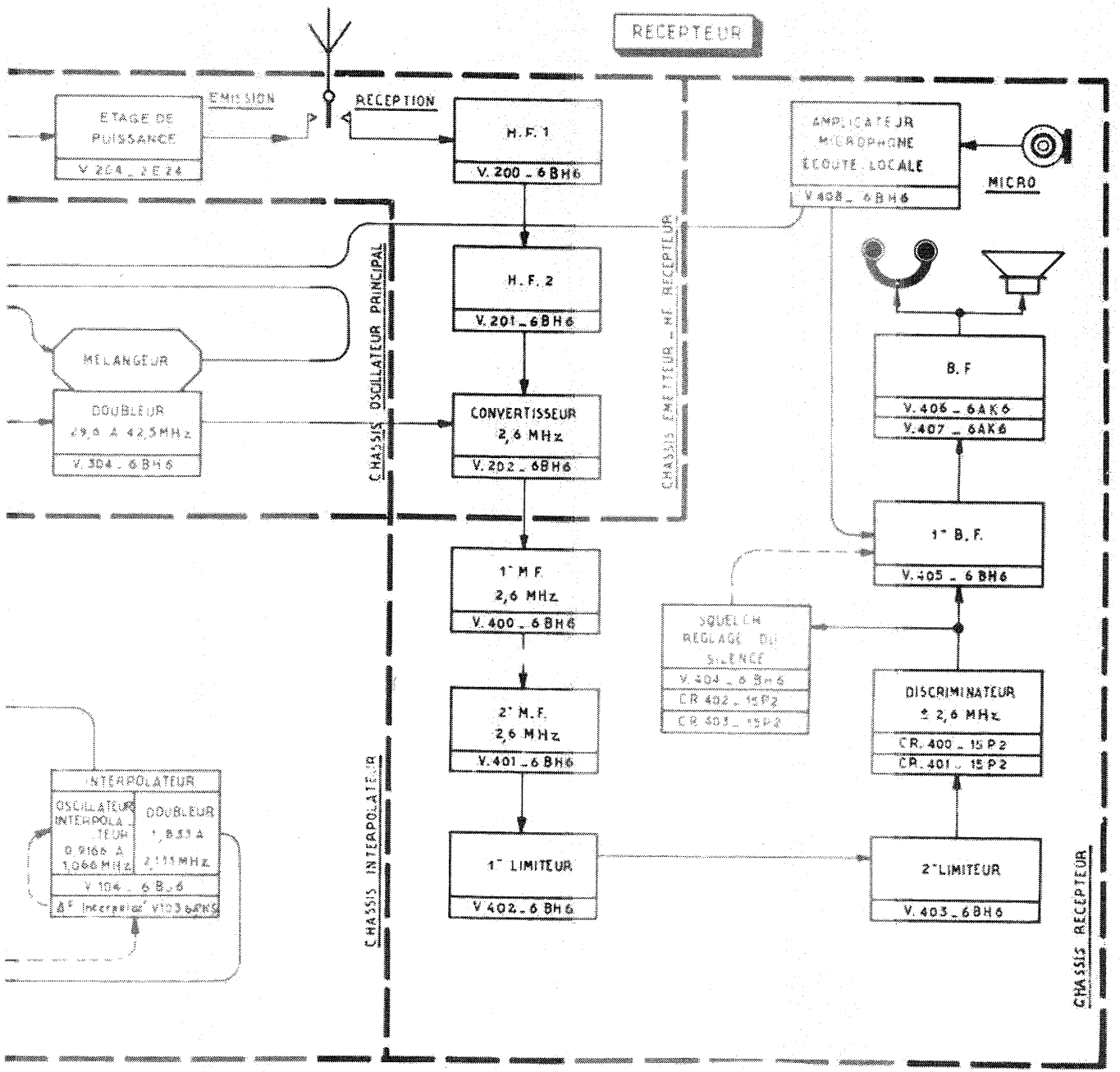

RECEPTEUR
ETAGE DE PUISSANCE
V 204 _ 3 E 24
EMISSION
RECEPTION
H.F. 1
V. 200 _ 6 BH6
AMPLIFICATEUR MICROPHONE ECOUTE LOCALE
V 408 _ 6 BH6
MICRO
H.F. 2
V. 201 _ 6 BH6
MELANGEUR
DOUBLEUR
29,6 A 42,5 MHz
V. 304 _ 6 BH6
CHASSIS OSCILLATEUR PRINCIPAL
CONVERTISSEUR
2,6 MHz
V. 202 _ 6 BH6
CHASSIS EMETTEUR _ HF RECEPTEUR
B.F
V. 406 _ 6 AK 6
V. 407 _ 6 AK 6
1° M.F.
2,6 MHz
V. 400 _ 6 BH6
1° B.F.
V. 405 _ 6 BH6
SQUELCH
REGLAGE DU SILENCE
V. 404 _ 6 BH6
CR 402 _ 15 P2
CR 403 _ 15 P2
2° M.F.
2,6 MHz
V. 401 _ 6 BH6
DISCRIMINATEUR
± 2,6 MHz
CR. 400 _ 15 P2
CR. 401 _ 15 P2
INTERPOLATEUR
OSCILLATEUR INTERPOLATEUR
0,9166 A 1,066 MHz
DOUBLEUR
1,833 A 2,133 MHz
V 104 _ 6 B _ 6
1° LIMITEUR
V 402 _ 6 BH6
2° LIMITEUR
V. 403 _ 6 BH6
CHASSIS INTERPOLATEUR
CHASSIS RECEPTEUR

Planche 17

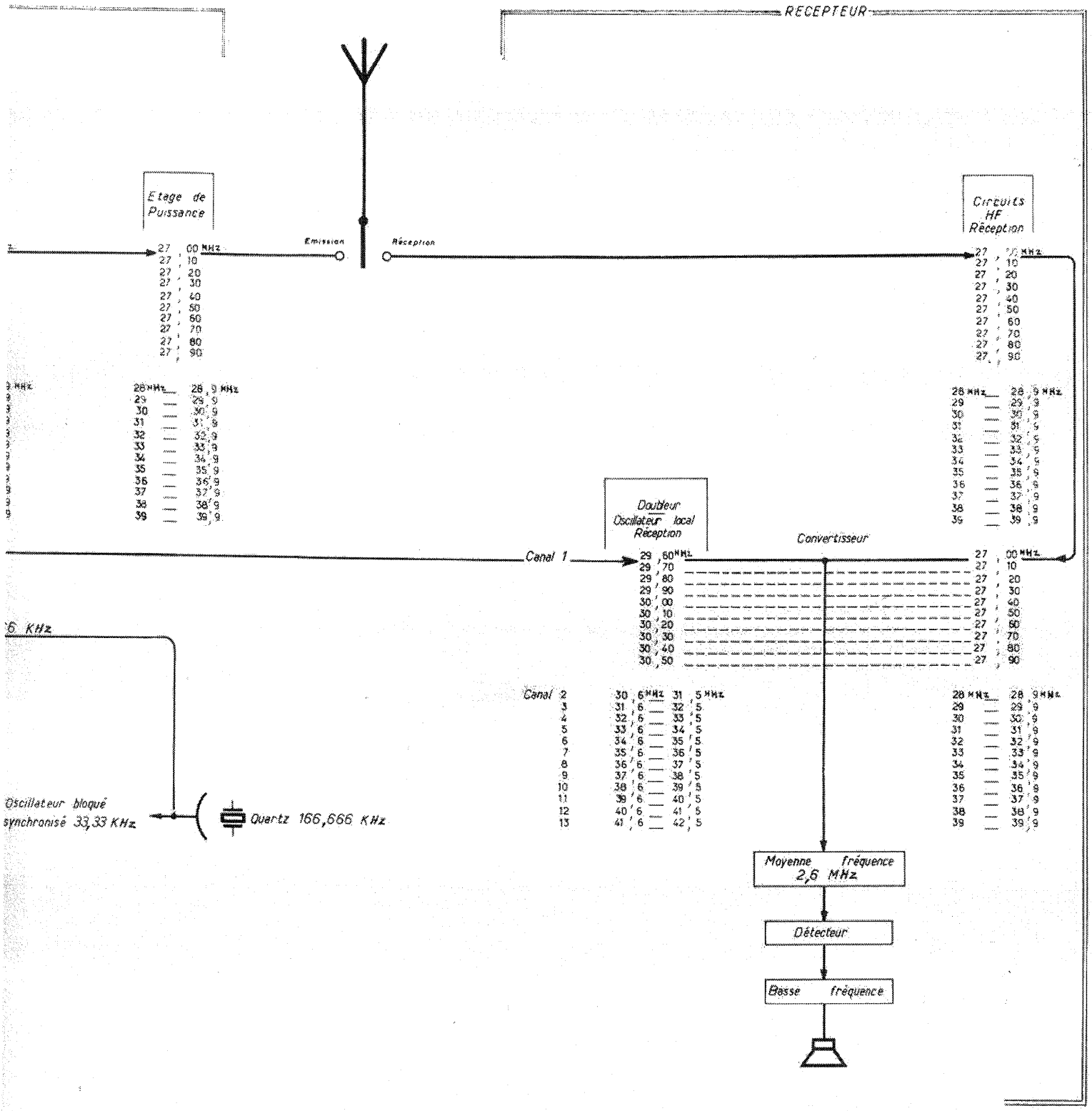

RECEPTEUR
Etage de Puissance
Emission
Réception
Circuits HF Réception
Doubleur Oscillateur local Réception
Convertisseur
Canal 1
Canal 2
Moyenne fréquence 2,6 MHz
Détecteur
Basse fréquence
Oscillateur bloqué synchronisé 33,33 KHz
Quartz 166,666 KHz

PLANCHE 18

ER-56-A

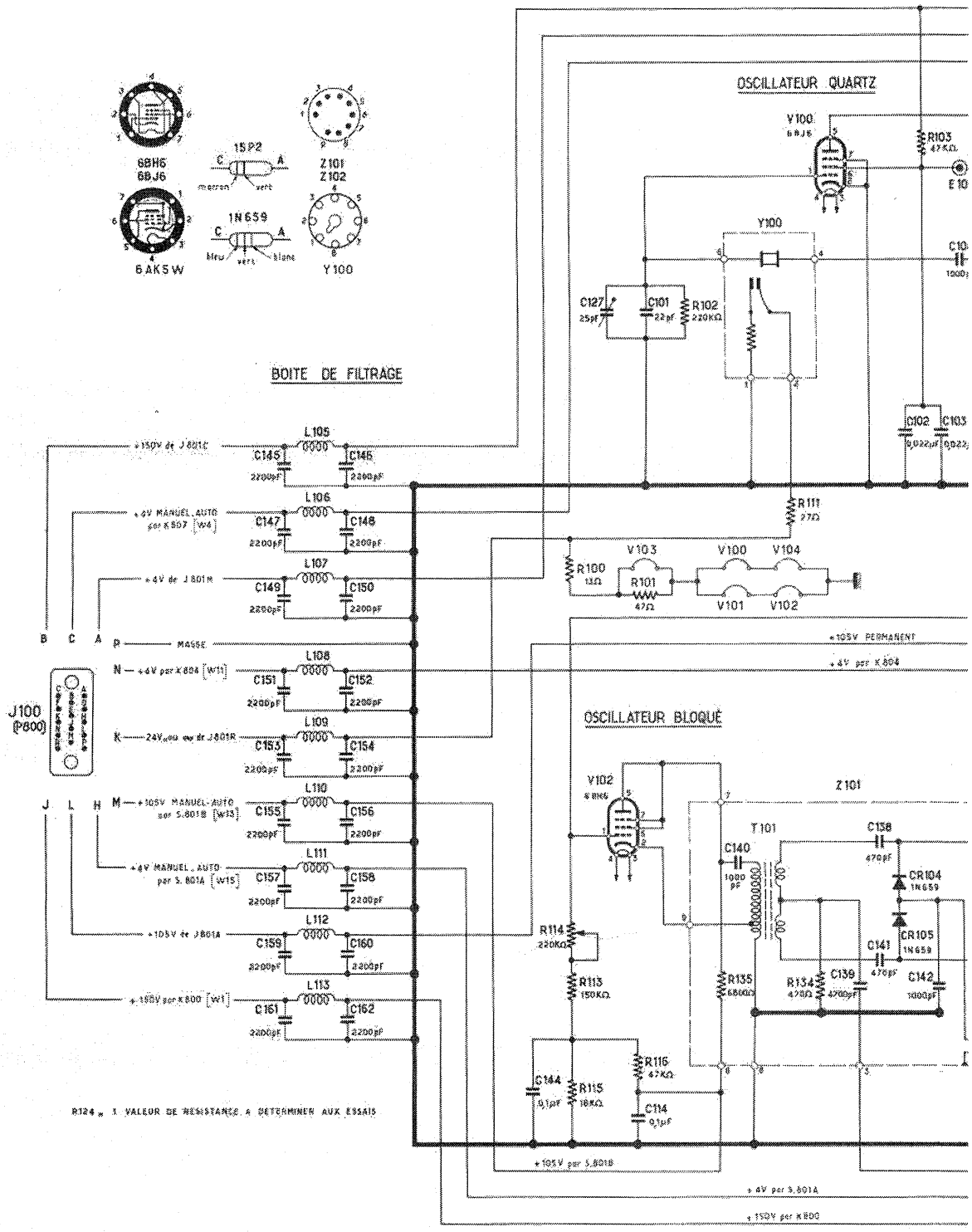
CHASSIS OSCILLATEUR INTERPOLATEUR

SCHEMA DE PRINCIPE

CONDENSATEURS				RESISTANCES			
REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR
C 100	variable	C 126	4-25 pF	R 100	13 Ω	R 125	220k Ω
C 101	22 pF	C 127	4-25 pF	R 101	47 "	R 126	47k "
C 102	22000 pF	C 128	22000 pF	R 102	220k "	R 127	820k "
C 103	22000 pF	C 129	22000 pF	R 103	47k "	R 128	15k "
C 104	1000 pF	C 130	120 pF	R 104	4700 "	R 129	820k "
C 105	22000 pF	C 131	4-25 pF	R 105	30k "	R 130	100k "
C 106	22000 pF	C 132	10000 pF	R 106	220k "	R 131	1000 "
C 107	150 pF	C 133	0,1 µF	R 107	2200 "	R 132	820k "
C 108	1000 pF	C 134	1000 pF	R 108	150k "	R 133	820k "
C 109	470 pF	C 135	1000 pF	R 109	220k "	R 134	470 "
C 110	390 pF	C 136	47 pF	R 110	470k "	R 135	6800 "
		C 137	4700 pF	R 111	27 "		
C 112	1000 pF	C 138	470 pF	R 112	220k "		
C 113	470 pF	C 139	4700 pF	R 113	150k "	R 138	15k "
C 114	0,1 µF	C 140	1000 pF	R 114	220k "		
C 115	10000 pF	C 141	470 pF	R 115	18k "		
C 116	0,1 µF	C 142	1000 pF	R 116	47k "		
C 117	50 µF	C 143	220 pF	R 117	680 "		
C 118	220 pF	C 144	0,1 µF	R 118	33K "		
C 119	0,1 µF	C 145		R 119	470k "		
C 120	1000 pF	à	2200 pF	R 120	56k "		
C 121	0,1 µF	C 162		R 121	82k "		
C 122	4700 pF	C 163	180 pF	R 122	330 "		
C 123	1000 pF	C 164	4700 pF	R 123	10k "		
C 124	100 pF	C 165	15 pF	R 124	27-56k "		
C 125	150 pF						

TUBES				CRISTAUX			
V 100	6BJ6	V 103	6AK5W	CR 101	1SP2	CR 104	IN659
V 101	6BH6	V 104	6BJ6	CR 102	IN659	CR 105	IN659
V 102	6BH6			CR 103	IN659	CR 106	1SP2

Point de mesure	TENSIONS CONTINUES
E 100	78 V ± 9 V
E 101	2,2 V ± 0,4 V
E 102	
E 103	5,6 V ± 0,6 V


6BH6
6BJ6
6AK5W
15P2
C
A
marron
vert
1N659
bleu
blanc
Z101
Z102
Y100
OSCILLATEUR QUARTZ
V100
6BJ6
R103
47KΩ
E10
Y100
C127
25pF
C101
22pF
R102
220KΩ
C102
C103
BOITE DE FILTRAGE
L105
+150V de J801C
C145
2200pF
C146
2200pF
L106
+4V MANUEL AUTO
par K807 [W4]
C147
2200pF
C148
2200pF
L107
+4V de J801M
C149
2200pF
C150
2200pF
R111
27Ω
R100
13Ω
V103
R101
47Ω
V100
V104
V101
V102
B
C
A
P
MASSE
+105V PERMANENT
N
+4V par K804 [W11]
+4V par K804
L108
C151
2200pF
C152
2200pF
J100
(P800)
L109
K
24V~ issu de J801R
C153
2200pF
C154
2200pF
OSCILLATEUR BLOQUE
V102
6BH6
Z101
T101
C158
470pF
C140
1000 pF
CR104
1N659
CR105
1N659
C141
470pF
C142
1000pF
J
L
H
M
+105V MANUEL-AUTO
par S.801B [W13]
L110
C155
2200pF
C156
2200pF
+4V MANUEL AUTO
par S. 801A [W15]
L111
C157
2200pF
C158
2200pF
R114
220KΩ
R113
150KΩ
R135
6800Ω
R134
470Ω
C139
4700pF
+105V de J801A
L112
C159
2200pF
C160
2200pF
+150V par K800 [W1]
L113
C161
2200pF
C162
2200pF
R116
47KΩ
C144
0,1µF
R115
18KΩ
C114
0,1µF
R124 = 1 VALEUR DE RESISTANCE A DETERMINER AUX ESSAIS
+105V par S.801B
+4V par S.801A
+150V par K800

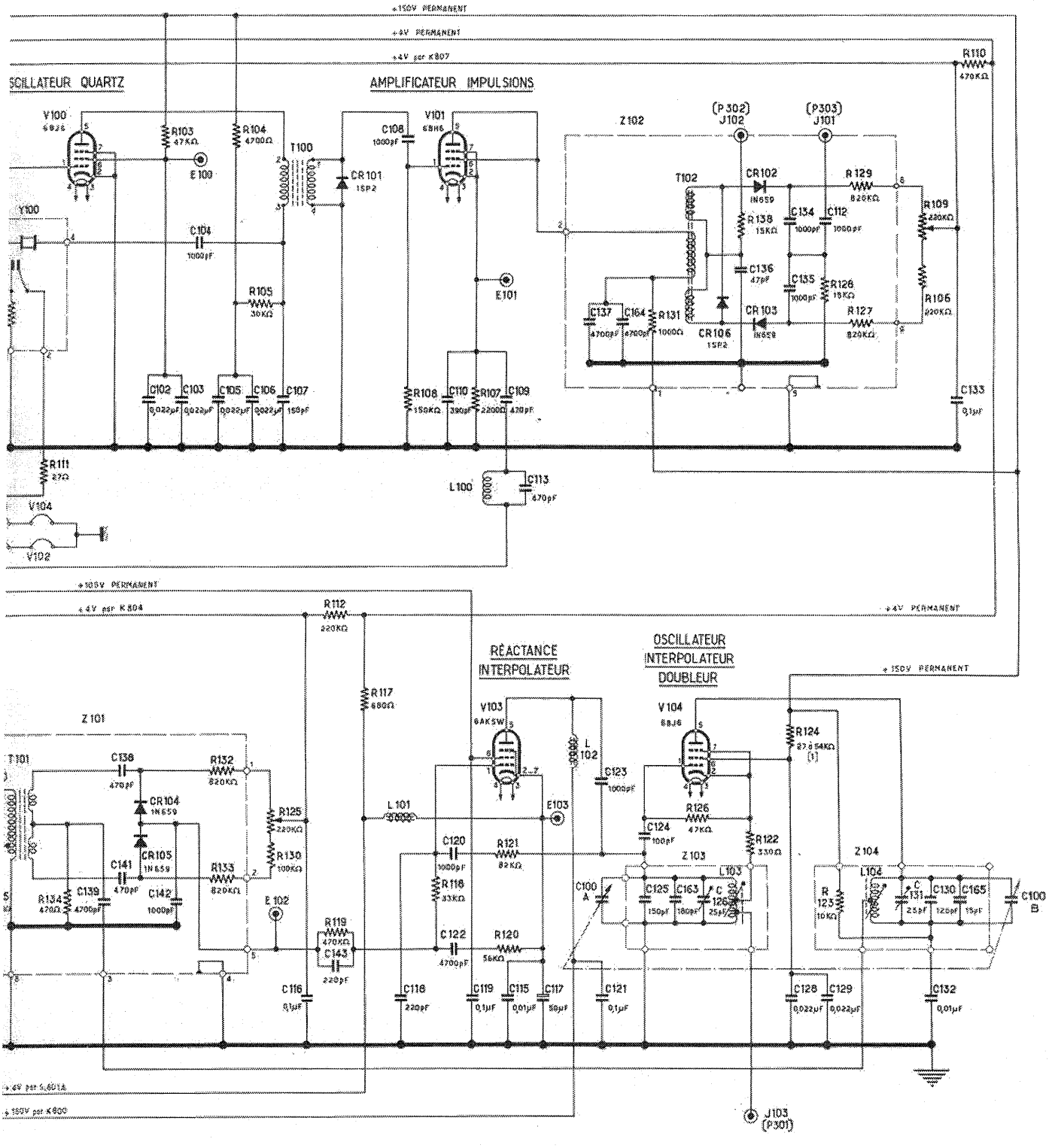

+150V PERMANENT
+6V PERMANENT
+4V par K807
OSCILLATEUR QUARTZ
AMPLIFICATEUR IMPULSIONS
V100
6BJ6
R103
47KΩ
R104
4700Ω
E100
T100
C108
1000pF
V101
6BH6
CR101
1SP2
Y100
C104
1000pF
R105
30KΩ
E101
Z102
(P302)
J102
(P303)
J101
T102
CR102
IN659
R129
820KΩ
R110
470KΩ
R109
220KΩ
R138
15KΩ
C154
1000pF
C112
1000pF
C136
47pF
C135
1000pF
R126
15KΩ
R106
220KΩ
C137
4700pF
C164
4700pF
R131
1000Ω
CR106
1SP2
CR103
IN659
R127
820KΩ
C133
0,1µF
C102
0,022µF
C103
0,022µF
C105
0,022µF
C106
0,022µF
C107
150pF
R108
150KΩ
C110
390pF
R107
2200Ω
C109
470pF
R111
27Ω
L100
C113
470pF
V104
V102
+300V PERMANENT
+4V par K804
+4V PERMANENT
R112
220KΩ
R117
680Ω
RÉACTANCE
INTERPOLATEUR
OSCILLATEUR
INTERPOLATEUR
DOUBLEUR
+150V PERMANENT
Z101
V103
6AK5W
L
102
C123
1000pF
V104
6BJ6
R124
27 à 54KΩ
(1)
T101
C136
470pF
R132
820KΩ
CR104
1N659
CR105
1N659
R125
220KΩ
R130
100KΩ
L101
E103
R126
47KΩ
C124
100pF
R122
330Ω
C120
1000pF
R121
82KΩ
Z103
Z104
C141
470pF
R133
820KΩ
R118
33KΩ
L103
L104
C100
A
C125
150pF
C163
180pF
C
126
25pF
R
123
10KΩ
C
131
25pF
C130
125pF
C165
15pF
C100
B
R134
470Ω
C139
4700pF
C142
1000pF
E102
R119
470KΩ
C143
220pF
C122
4700pF
R120
56KΩ
C116
0,1µF
C118
220pF
C119
0,1µF
C115
0,01µF
C117
50µF
C121
0,1µF
C128
0,022µF
C129
0,022µF
C132
0,01µF
+6V par K803A
+150V par K800
J103
(P301)

PLANCHE 19

ER-56A

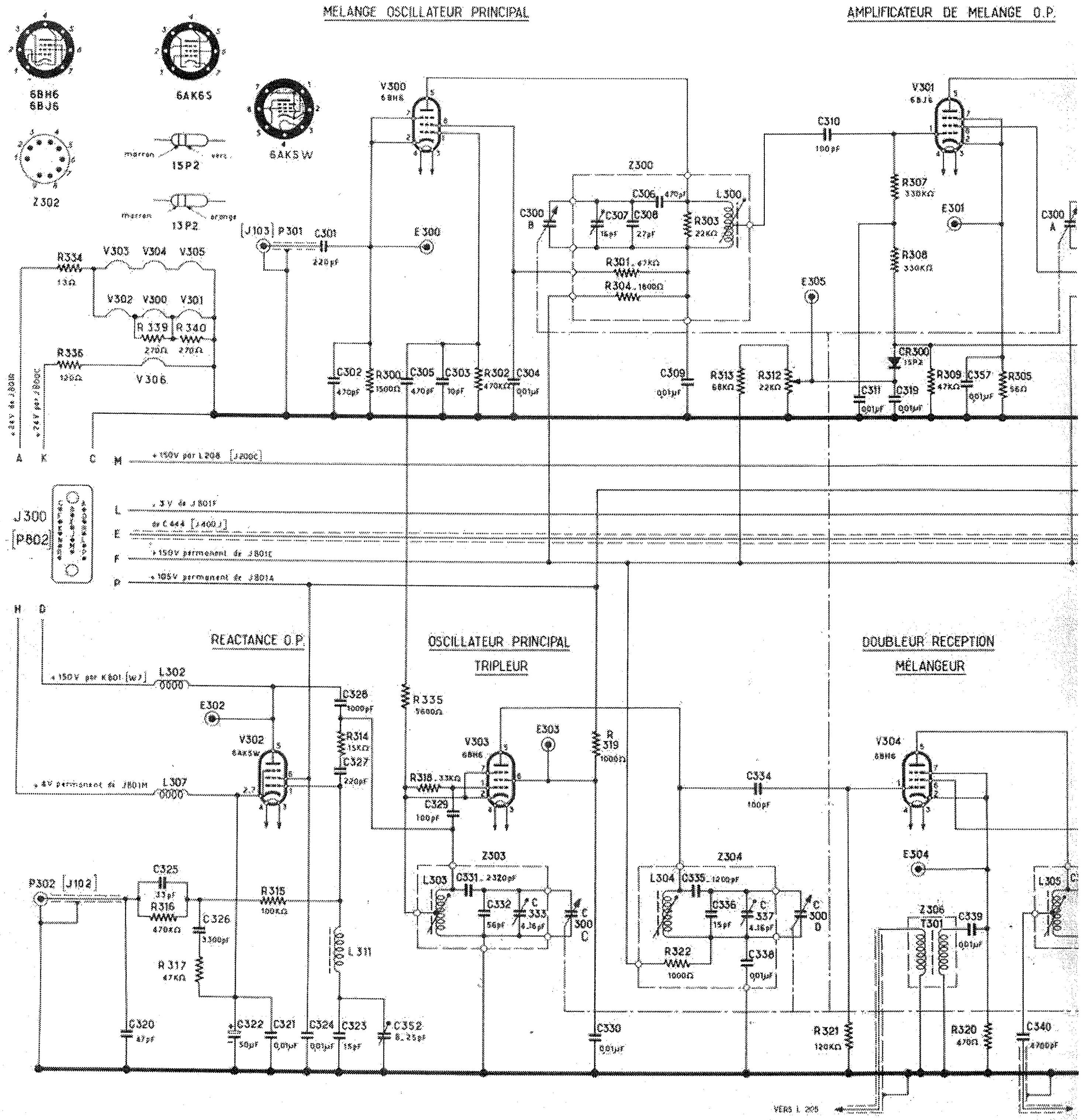
CHASSIS OSCILLATEUR PRINCIPAL

Schéma de principe

CONDENSATEURS					RESISTANCES		
REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR
C 300	variable	C 332	56 pF	R 300	1500 Ω	R 331	470k Ω
C 301	220 pF	C 333	16 pF	R 301	47k "	R 332	100k "
C 302	470 pF	C 334	100 pF	R 302	470k "	R 333	470k "
C 303	10 pF	C 335	1200 pF	R 303	22k "	R 334	13 "
C 304	10000 pF	C 336	15 pF	R 304	1800 "	R 335	5600 "
C 305	470 pF	C 337	16 pF	R 305	56 "	R 336	120 "
C 306	470 pF	C 338	10000 pF	R 306	33 "	R 337	10k "
C 307	16 pF	C 339	10000 pF	R 307	330k "	R 338	
C 308	27 pF	C 340	4700 pF	R 308	330k "	R 339	270 "
C 309	10000 pF	C 341	22 pF	R 309	47k "	R 340	270 "
C 310	100 pF	C 342	10000 pF	R 310	25k "	R 341	82k "
C 311	10000 pF	C 343	16 pF	R 311	1800 "	R 342	10k "
C 312	10000 pF	C 344	1200 pF	R 312	25k "		
C 313	16 pF	C 345	1000 pF	R 313	68k "		
C 314	56 pF	C 346	82 pF	R 314	15k "		
C 315	15 pF	C 347	22000 pF	R 315	100k "		
C 316	470 pF	C 348	22000 pF	R 316	470k "		
C 317	10000 pF	C 349	82 pF	R 317	47k "		
C 318	47 pF	C 350	200 pF	R 318	33k "		
C 319	10000 pF	C 351	82 pF	R 319	1000 "		
C 320	47 pF	C 352	8-25 pF	R 320	470 "		
C 321	10000 pF	C 353	3300 pF	R 321	120k "		
C 322	50 µF	C 354	22000 pF	R 322	1000 "		
C 323	15 pF	C 355	22000 pF	R 323	1000 "		
C 324	10000 pF	C 356	0,1 µF	R 324	470 "		
C 325	33 pF	C 357	10000 pF	R 325	100k "		
C 326	3300 pF	C 358	1000 pF	R 326	100k "		
C 327	220 pF	C 359	82 pF				
C 328	1000 pF	C 360	1000 pF	R 328	1000 "		
C 329	100 pF	C 361	200 pF	R 329	220k "		
C 330	10000 pF	C 362	1000 pF	R 330	220k "		
C 331	2320 pF						

TUBES				CRISTAUX	
V 300	6BH6	V 304	6BH6	CR 300	15P2
V 301	6BJ6	V 305	6AK6S	CR 301	13P2
V 302	6AK5W	V 306	6BH6	CR 302	13P2
V 303	6BH6				

Point de mesure	TENSIONS CONTINUES	Point de mesure	TENSIONS CONTINUES
E 300	3,4 V ± 0,4 V	E 304	2,3 V ± 0,3 V
E 301	0,4 V ± 0,1 V	E 305	
E 302	147 V ± 9 V	E 306	89 V ± 9 V
E 303	104 V ± 3 V	E 307	2,3 V ± 0,3 V


MELANGE OSCILLATEUR PRINCIPAL
AMPLIFICATEUR DE MELANGE O.P.
6BH6
6BJ6
6AK6S
6AK5W
Z302
13P2
marron
vert
orange
V300
6BH6
V301
6BJ6
Z300
C310
100pF
C306
470pF
L300
C300 B
C307
14pF
C308
27pF
R303
22KΩ
R301
47KΩ
R304
1800Ω
R307
330KΩ
R308
330KΩ
E301
C300 A
E305
CR300
15P2
J103
P301
C301
220pF
E300
R334
13Ω
V303
V304
V305
V302
R339
R340
270Ω
R336
120Ω
V306
C302
470pF
R300
1500Ω
C305
470pF
C303
10pF
R302
470KΩ
C304
0,01µF
C309
0,01µF
R313
68KΩ
R312
22KΩ
C311
0,01µF
C319
0,01µF
R309
47KΩ
C357
0,01µF
R305
56Ω
+24V de J801B
+24V par J800C
A
K
C
M
+150V par L208 [J200C]
J300
[P802]
L
+3V de J801F
E
de C444 [J400J]
F
+150V permanent de J801E
P
+105V permanent de J801A
H
D
REACTANCE O.P.
OSCILLATEUR PRINCIPAL
TRIPLEUR
DOUBLEUR RECEPTION
MELANGEUR
+150V par K801 [W7]
L302
C328
1000pF
E302
R314
15KΩ
C327
220pF
V302
6AK5W
+4V permanent de J801M
L307
R335
5600Ω
E303
R 319
1000Ω
V303
6BH6
R318
33KΩ
C329
100pF
C334
100pF
V304
6BH6
E304
P302
J102
C325
33pF
R316
470KΩ
R315
100KΩ
C326
3300pF
R317
47KΩ
L311
Z303
L303
C331
2320pF
C332
56pF
C 333
4,36pF
C 300 C
Z304
L304
C335
1200pF
C336
15pF
C 337
4,36pF
C 300 D
R322
1000Ω
C338
0,01µF
Z306
T301
C339
0,01µF
L305
C320
47pF
C322
50µF
C321
0,01µF
C324
0,01µF
C323
15pF
C352
8,25pF
C330
0,01µF
R321
120KΩ
R320
470Ω
C340
4700pF
VERS L 205

AMPLIFICATEUR DE MELANGE O.P.

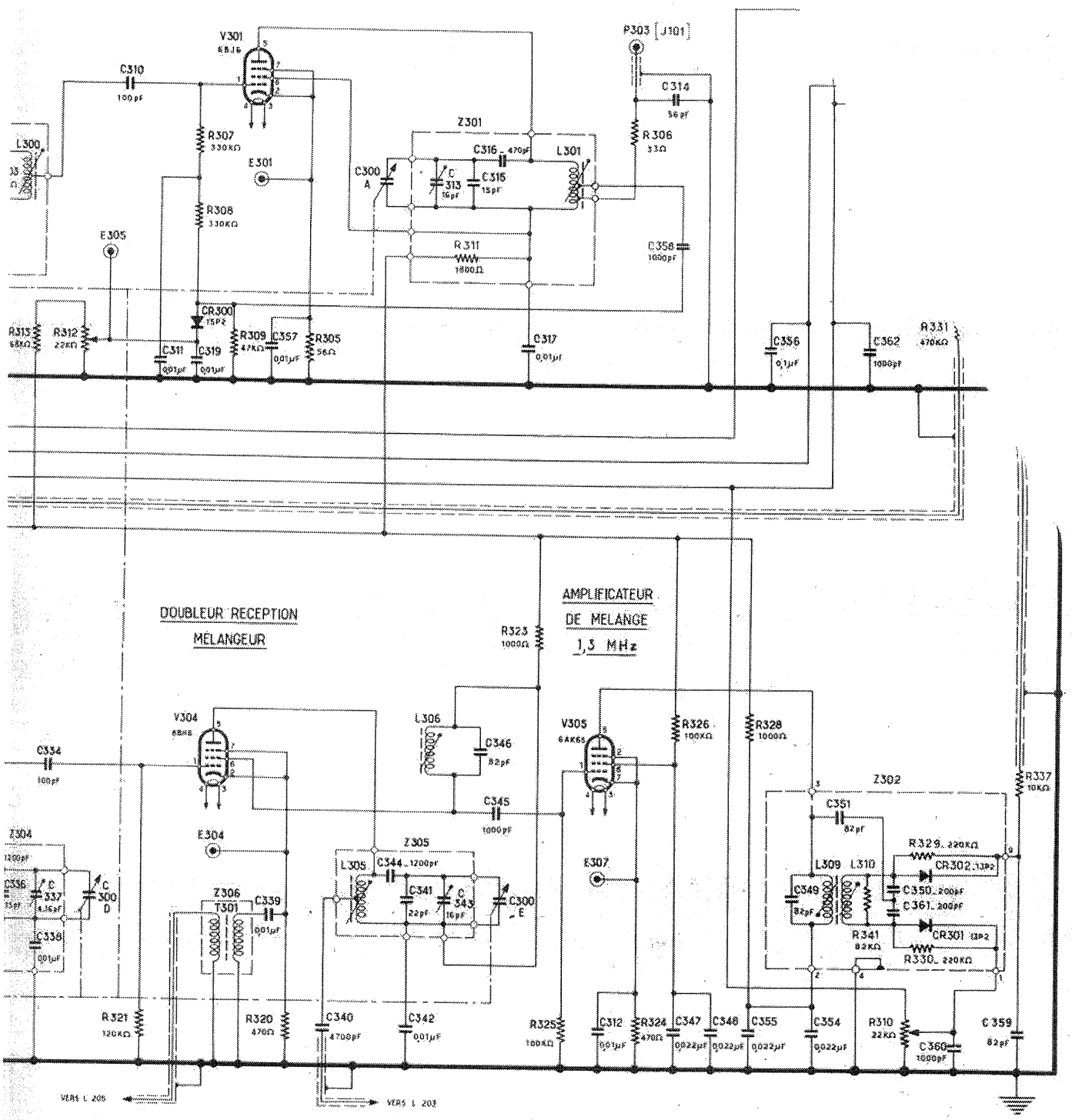


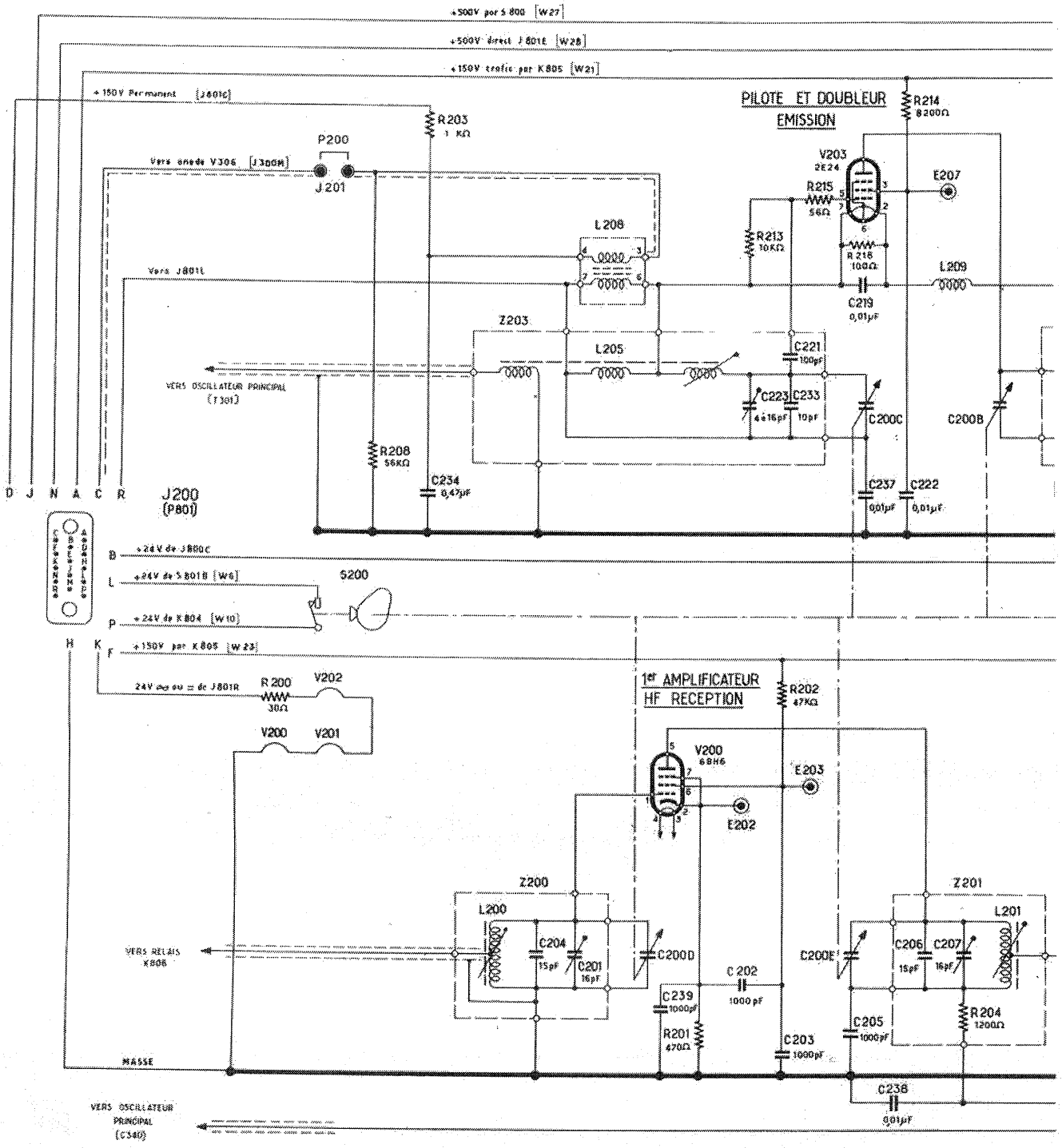
PLANCHE 20

ER-56A - CHASSIS EMETTEUR ET CIRCUITS H.F. - RECEPTEUR

Schéma de principe

CONDENSATEURS				RESISTANCES		TUBES	
REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR
C 200	variable	C 221	100 pF	R 200	30 Ω	V 200	6 BH6
C 201	16 pF	C 222	10000 pF	R 201	470 "	V 201	6 BH6
C 202	1000 pF	C 223	16 pF	R 202	47k "	V 202	6 BH6
C 203	1000 pF	C 224	16 pF	R 203	1 k "	V 203	2E24
C 204	15 pF	C 225	1000 pF	R 204	1200 "	V 204	2E24
C 205	1000 pF	C 226	100 pF	R 205	470 "		
C 206	15 pF	C 227	1000 pF	R 206	56k "		
C 207	16 pF	C 228	1000 pF	R 207	150k "		
C 208	47 pF	C 229	1000 pF	R 208	56k "		
C 209	10000 pF	C 230	1000 pF	R 209	1200 "		
C 210	1000 pF	C 231	2200 pF	R 210	2200 "		
C 211	10 pF	C 232	5-20 pF	R 211	120k "		
C 212	16 pF	C 233	10 pF	R 212	47k "		
C 213	1000 pF	C 234	0,47 µF	R 213	10k "		
C 214	47 pF	C 235	1200 pF	R 214	8200 "		
C 215	10000 pF			R 215	56 "		
C 216	82 pF	C 237	10000 pF	R 216	15k "		
C 217	22000 pF	C 238	10000 pF	R 217	33k "		
C 218	22000 pF	C 239	1000 pF	R 218	100 "		
C 219	10000 pF	C 240	1000 pF				
C 220	1000 pF	C 241	1000 pF				

Point de mesure	TENSIONS CONTINUES
E 200	150 V ± 5 V
E 201	
E 202	1,55 V ± 0,1 V
E 203	104 V ± 4 V
E 204	0,92 V ± 0,04 V
E 205	61 V ± 3 V
E 206	2,8 V ± 0,5 V
E 207	119 V ± 6 V
E 208	520 V ± 25 V


+500V par S 800 [W27]
+500V direct J 801E [W28]
+150V trafic par K 805 [W21]
+150V Permanent [J 801C]
PILOTE ET DOUBLEUR EMISSION
R214 8200Ω
R203 1 KΩ
P200
Vers anode V306 [J 306M]
J 201
V203 2E24
E207
R215 56Ω
R213 30KΩ
R 216 100Ω
C219 0,01µF
L 208
L 209
Vers J 801L
Z203
L205
C221 100pF
C223 4 à 16pF
C233 10pF
C200C
C200B
VERS OSCILLATEUR PRINCIPAL (T 301)
R208 56KΩ
C234 0,47µF
C237 0,01µF
C222 0,01µF
D J N A C R
J200 (P801)
B +24V de J 880C
L +24V de S 801B [W6]
P +24V de K 804 [W10]
S200
H K F +150V par K 805 [W23]
24V ~ ou = de J 801R
R 200 30Ω
V202
V200 V201
1er AMPLIFICATEUR HF RECEPTION
R202 47KΩ
V200 6BH6
E203
E202
Z200
L200
Z201
L201
C204 15pF
C201 16pF
C200D
C200E
C206 15pF
C207 16pF
C 202 1000 pF
C239 1000pF
R201 470Ω
C205 1000pF
R204 1200Ω
C203 1000pF
C236 0,01µF
VERS RELAIS K808
MASSE
VERS OSCILLATEUR PRINCIPAL (C 340)

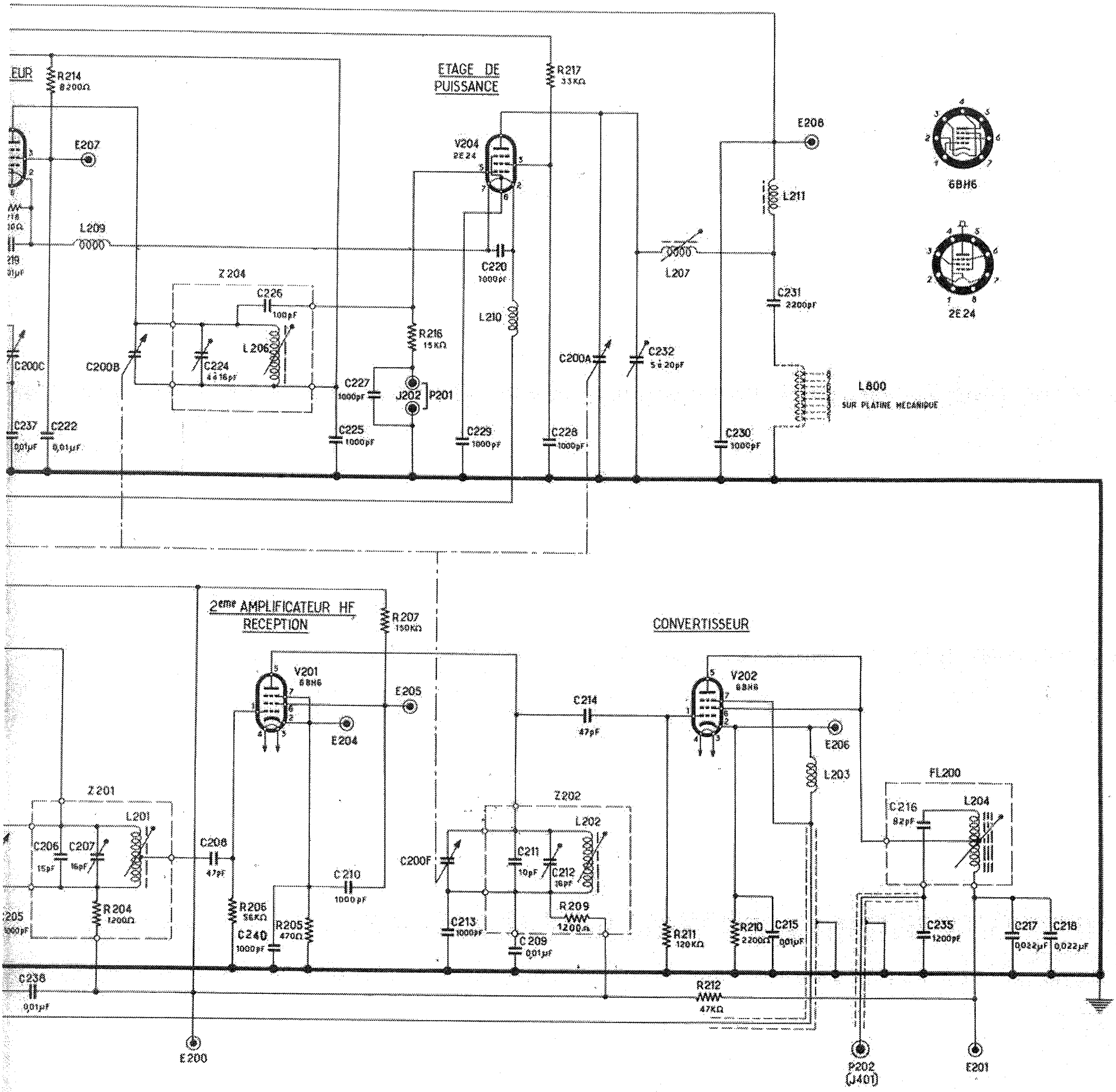

ETAGE DE PUISSANCE
R214 8200Ω
E207
L209
Z 204
C226 100pF
C224 4 à 16pF
L 206
C200C
C200B
C237 0,01µF
C222 0,01µF
R217 33KΩ
V204 2E24
C220 1000pF
L210
R216 15KΩ
C227 1000pF
J202
P201
C225 1000pF
C229 1000pF
C228 1000pF
C200A
C232 5 à 20pF
L207
E208
L211
C231 2200pF
L800 SUR PLATINE MÉCANIQUE
C230 1000pF
6BH6
2E24
2ème AMPLIFICATEUR HF RECEPTION
R207 150KΩ
V201 6BH6
E205
E204
Z 201
L201
C206 15pF
C207 16pF
R204 1200Ω
C208 47pF
R206 56KΩ
C240 1000pF
R205 470Ω
C 210 1000pF
C238 0,01µF
E200
CONVERTISSEUR
C214 47pF
V202 6BH6
E206
L203
Z202
L202
C200F
C211 10pF
C212 16pF
R209 1200Ω
C213 1000pF
C 209 0,01µF
R211 120KΩ
R210 2200Ω
C215 0,01µF
R212 47KΩ
FL200
C216 82pF
L204
C235 1200pF
C217 0,022µF
C218 0,022µF
P202 (J401)
E201

PLANCHE 21

ER-56-A

CHASSIS RECEPTEUR MF - BF

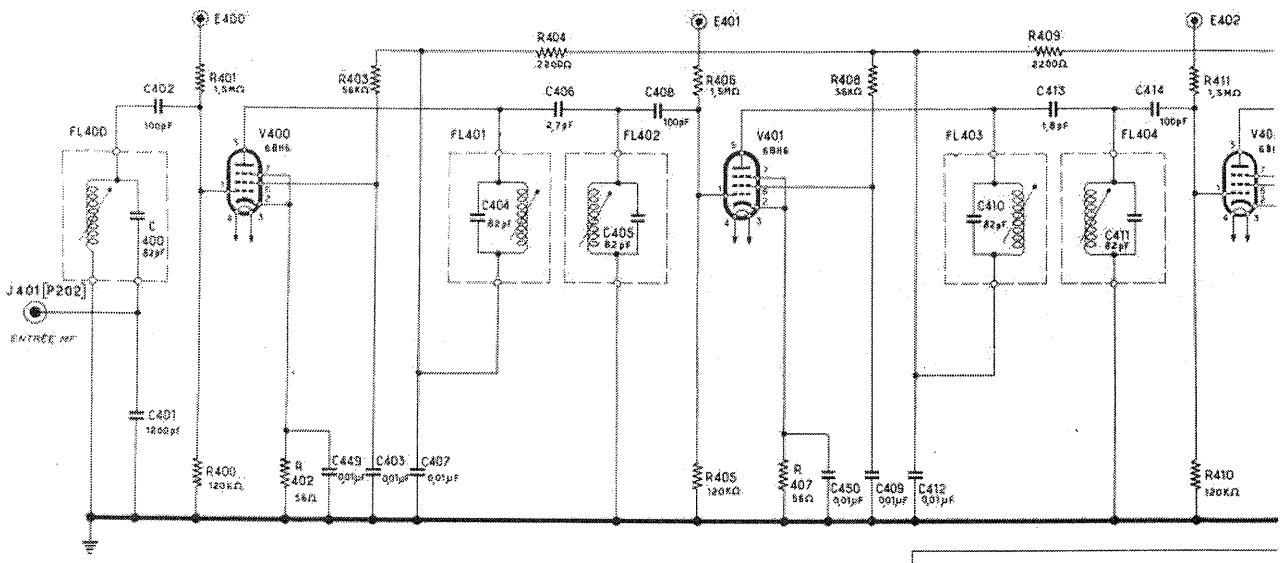
SCHEMA DE PRINCIPE

CONDENSATEURS				RESISTANCES			
REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR	REPERE	VALEUR
C 400	82 pF	C 428	100 pF	R 400	120k Ω	R 428	220k Ω
C 401	1200 pF	C 429	10000 pF	R 401	1,5M "	R 429	100k "
C 402	100 pF			R 402	56 "	R 430	1M "
C 403	10000 pF	C 431	15 pF	R 403	56k "	R 431	4,7k "
C 404	82 pF	C 432	10 pF	R 404	2200 "	R 432	330k "
C 405	82 pF	C 433	10000 pF	R 405	120k "	R 433	1M "
C 406	2,7 pF	C 434	1500 pF	R 406	1,5M "	R 434	1M "
C 407	10000 pF	C 435	10000 pF	R 407	56 "	R 435	1M "
C 408	100 pF	C 436	10000 pF	R 408	56k "	R 436	470 "
C 409	10000 pF	C 437	1500 pF	R 409	2200 "	R 437	470k "
C 410	82 pF	C 438	10000 pF	R 410	120k "	R 438	150k "
C 411	82 pF	C 439	4700 pF	R 411	1,5M "	R 439	330k "
C 412	10000 pF	C 440	22000 pF	R 412	56k "	R 440	470 "
C 413	1,8 pF	C 441	4700 pF	R 413	2200 "	R 441	470 "
C 414	100 pF	C 442	25 µF	R 414	120k "	R 442	220 "
C 415	10000 pF	C 443	220 pF	R 415	1,5M "	R 443	10k "
C 416	82 pF	C 444	10000 pF	R 416	39k "	R 444	100k "
C 417	82 pF	C 445	22000 pF	R 417	220 "	R 445	470 "
C 418	10000 pF	C 446	4700 pF	R 418	150k "	R 446	33k "
C 419	2,7 pF	C 447	0,1 µF	R 419	150k "	R 447	39k "
C 420	100 pF	C 448	10000 pF	R 420	220k "	R 448	330k "
C 421	10000 pF	C 449	10000 pF	R 421	10k "	R 449	330k "
C 422	82 pF	C 450	10000 pF	R 422	100k "	R 450	1M "
C 423	100 pF	C 451	10000 pF	R 423	10k "	R 451	15 "
C 424	10000 pF	C 452	68 pF	R 424	100k "	R 452	30 "
C 425	47 pF	C 453	10000 pF	R 425	10k "	R 453	10k "
C 426	47 pF	C 454	10000 pF	R 426	100 "	R 454	56k "
C 427	15 pF			R 427	220k "		

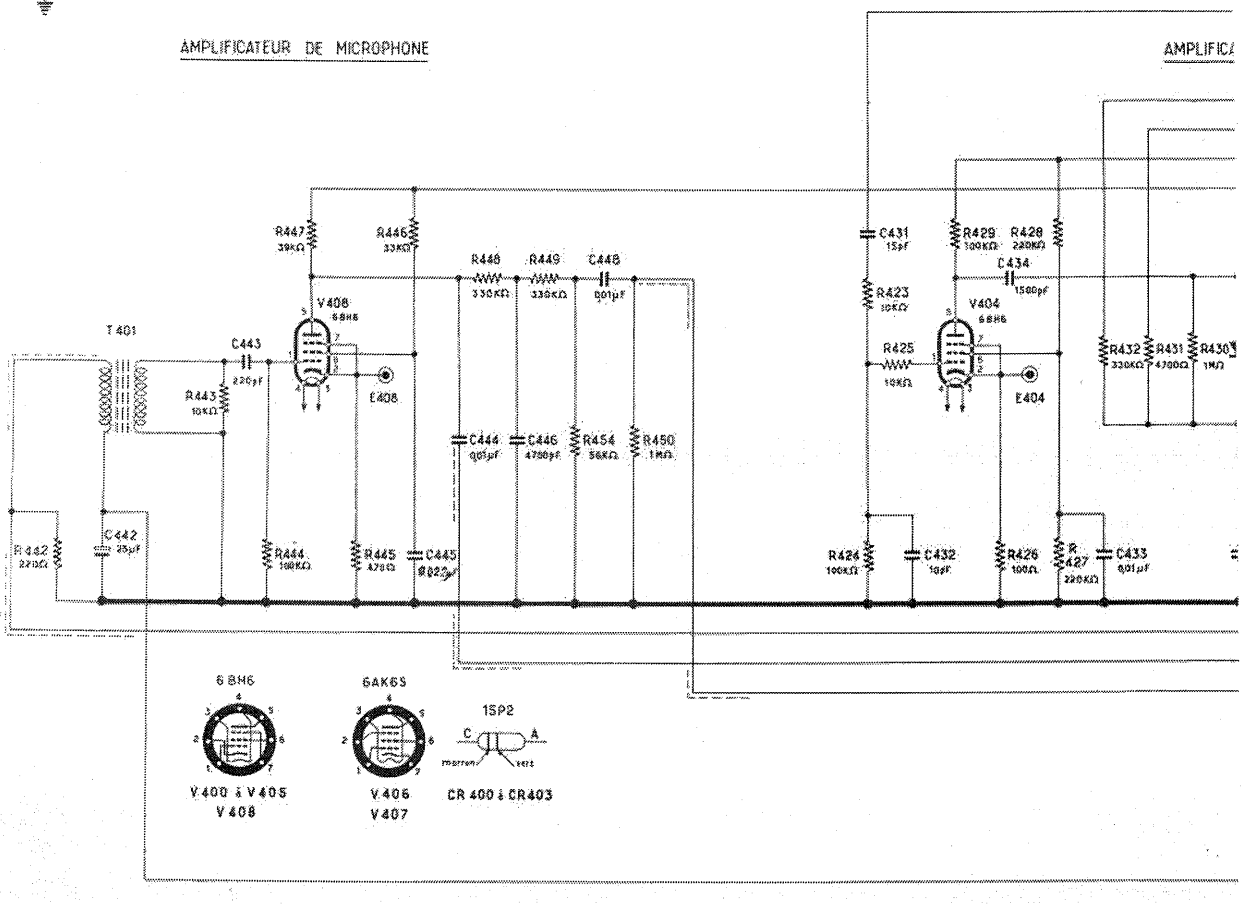
TUBES				CRISTAUX	
V 400	6BH6	V 405	6BH6		
V 401	6BH6	V 407	6AK6S	CR 400	
V 402	6BH6	V 407	6AK6S	à	15P2
V 403	6BH6	V 408	6BH6	CR 403	
V 404	6BH6				

Point de mesure	TENSIONS CONTINUES	Point de mesure	TENSIONS CONTINUES
E 400		E 405	0,37 V ± 0,02 V
E 401		E 406	7 V ± 0,4 V
E 402		E 407	7 V ± 0,4 V
E 403		E 408	1,7 V ± 0,2 V
E 404	0,12 V ± 0,02 V	E 409	

CHAINE M F A 2,6 MHz



AMPLIFICATEUR DE MICROPHONE



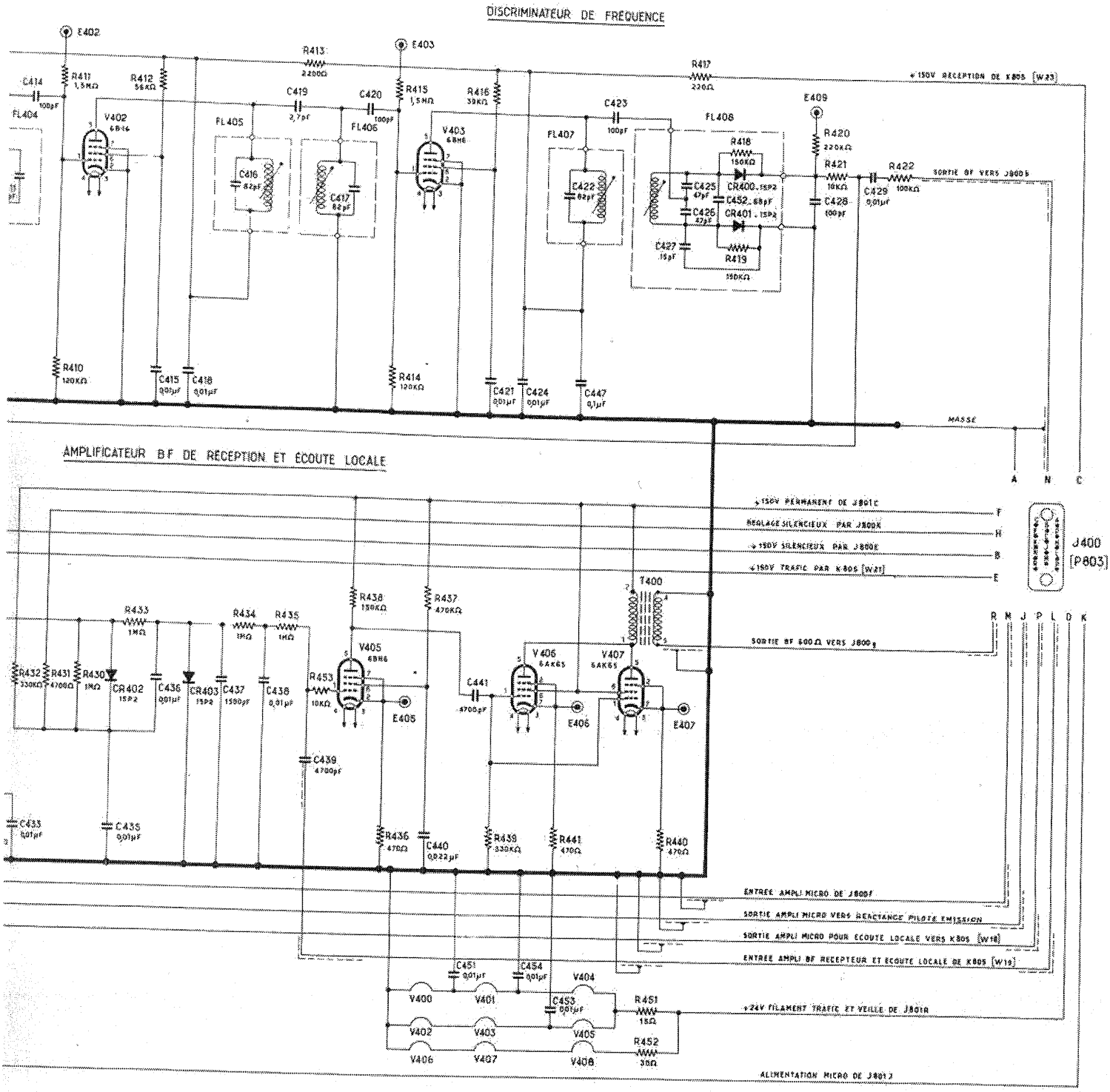
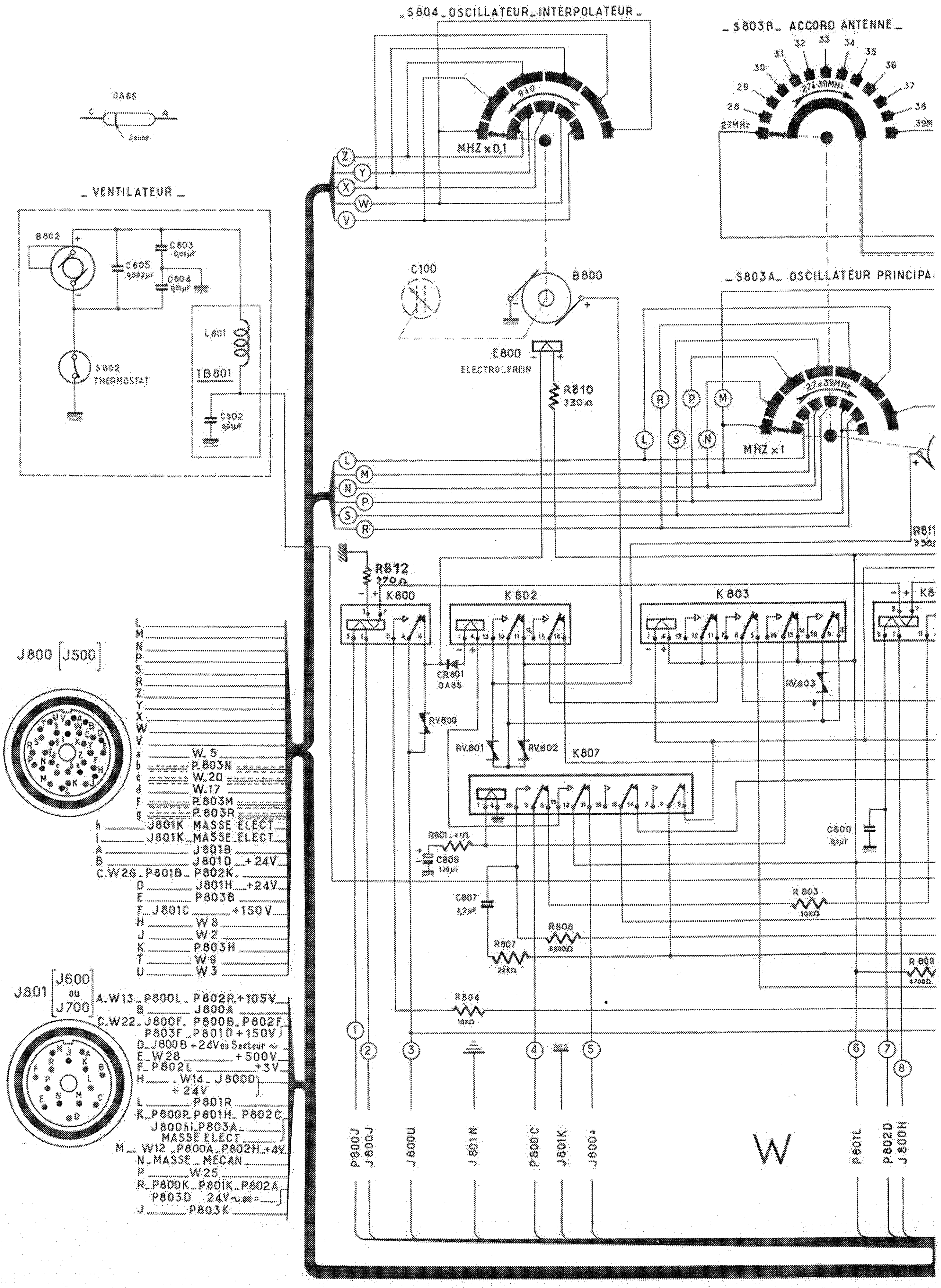

DISCRIMINATEUR DE FREQUENCE
E402
E403
E409
R411 1,5MΩ
R412 56KΩ
R413 2200Ω
R415 1,5MΩ
R416 39KΩ
R417 220Ω
C414 100pF
C419 2,7pF
C420 100pF
C423 100pF
V402 6BA6
V403 6BH6
FL404
FL405
FL406
FL407
FL408
C416 82pF
C417 82pF
C422 82pF
R418 150KΩ
C425 47pF
C426 47pF
C427 15pF
CR400 1SP2
C452 68pF
CR401 1SP2
R419 150KΩ
R420 220KΩ
R421 10KΩ
C428 100pF
R422 100KΩ
C429 0,01µF
SORTIE BF VERS J800b
+150V RECEPTION DE K805 [W23]
R410 120KΩ
C415 0,01µF
C418 0,01µF
R414 120KΩ
C421 0,01µF
C424 0,01µF
C447 0,1µF
MASSE
A
N
C
AMPLIFICATEUR BF DE RECEPTION ET ECOUTE LOCALE
+150V PERMANENT DE J801c
REGLAGE SILENCIEUX PAR J800K
+150V SILENCIEUX PAR J800E
+150V TRAFIC PAR K805 [W21]
F
H
B
E
J400 (P803)
T400
SORTIE BF 600Ω VERS J800g
R M J P L D K
R433 1MΩ
R434 1MΩ
R435 1MΩ
R438 150KΩ
R437 470KΩ
R432 330KΩ
R431 470KΩ
R430 1MΩ
CR402 1SP2
CR403 1SP2
C436 0,01µF
C437 1500pF
C438 0,01µF
R453 10KΩ
V405 6BH6
V406 6AK6S
V407 6AK6S
E405
E406
E407
C441 4700pF
C439 4700pF
C433 0,01µF
C435 0,01µF
R436 470Ω
C440 0,022µF
R439 330KΩ
R441 470Ω
R440 470Ω
ENTREE AMPLI MICRO DE J800f
SORTIE AMPLI MICRO VERS REACTANCE PILOTE EMISSION
SORTIE AMPLI MICRO POUR ECOUTE LOCALE VERS K805 [W18]
ENTREE AMPLI BF RECEPTEUR ET ECOUTE LOCALE DE K805 [W19]
C451 0,01µF
C454 0,01µF
C453 0,01µF
V400
V401
V402
V403
V404
V405
V406
V407
V408
R451 15Ω
R452 30Ω
+24V FILAMENT TRAFIC ET VEILLE DE J801a
ALIMENTATION MICRO DE J801J

PLANCHE 22

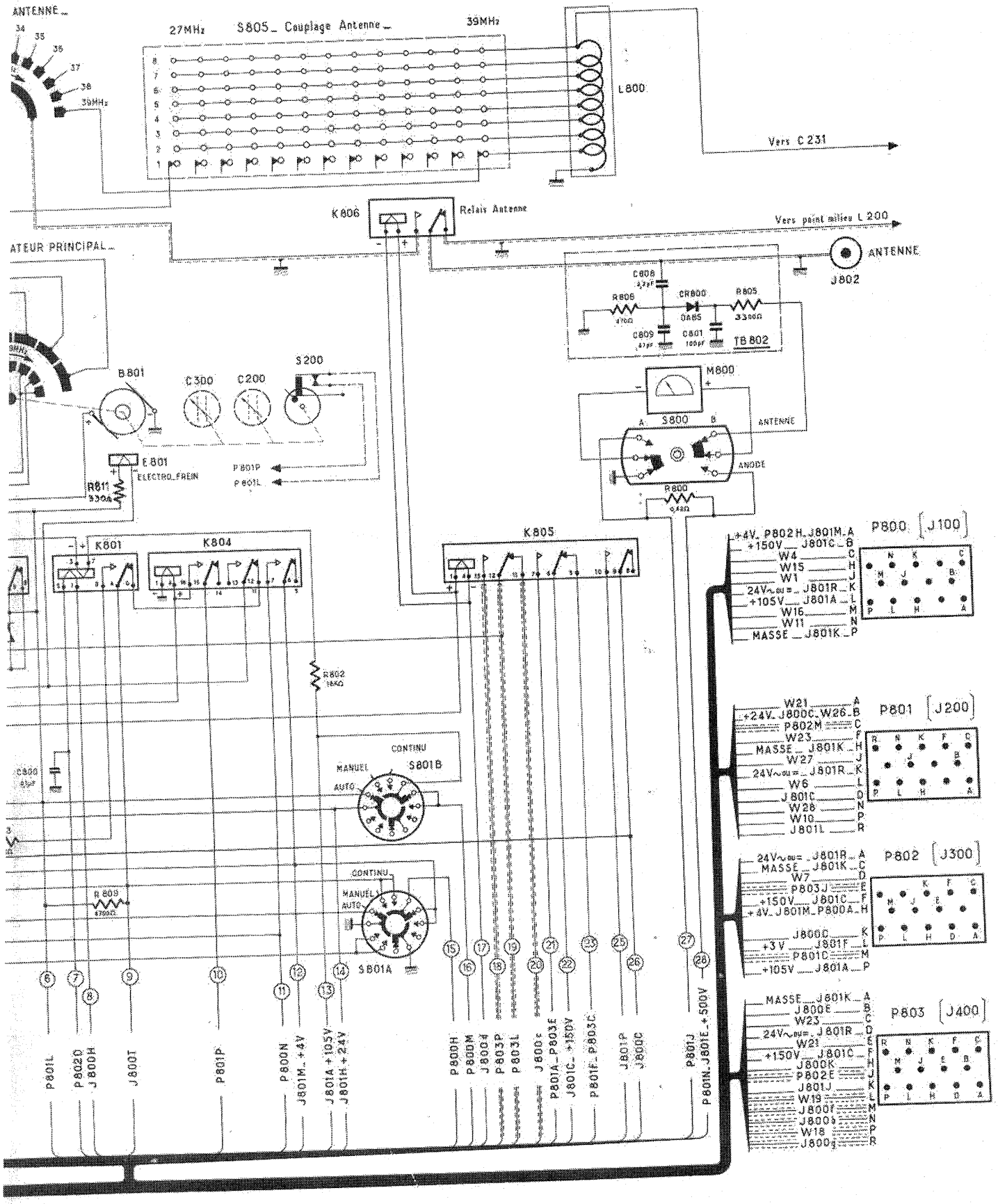
ER-56-A - PLATINE AVANT ET PLATINE DE TELECOMMANDE

SCHEMA DE PRINCIPE

CONDENSATEURS		RESISTANCES	
REPERE	VALEUR	REPERE	VALEUR
C 800	0,1 µF	R 800	0,42 Ω
C 801	100 pF	R 801	47 "
C 802	10000 pF	R 802	18k "
C 803	10000 pF	R 803	10k "
C 804	10000 pF	R 804	10k "
C 805	22000 pF	R 805	3300 "
C 806	120 µF	R 806	470 "
C 807	2,2 µF	R 807	22k "
C 808	2,2 pF	R 808	6800 "
C 809	47 pF	R 809	4700 "
		R 810	330 "
		R 811	330 "
		R 812	2700 "



_S804_OSCILLATEUR_INTERPOLATEUR_
MHZ x 0,1
_S803B_ ACCORD ANTENNE_
27MHz
27 à 39MHz
_S803A_ OSCILLATEUR PRINCIPA
MHZ x 1
OA85
VENTILATEUR
B802
C803 0,01µF
C805 0,022µF
C804 0,01µF
L801
TB801
C802 0,01µF
S802 THERMOSTAT
C100
B800
E800
ELECTRO_FREIN
R810 330Ω
R811 330Ω
R812 270Ω
K800
K802
K803
K807
CR801 OA85
RV800
RV801
RV802
RV803
R801 47Ω
C806 120µF
C807 3,2µF
R807 22KΩ
R808 5600Ω
R803 10KΩ
R804 18KΩ
C800 0,1µF
R809 4700Ω
J800 [J500]
W.5
P.803N
W.20
W.17
P.803M
P.803R
J801K MASSE ELECT.
J801K MASSE ELECT.
J801B
J801D +24V
C.W26_P801B_P802K
J801H +24V
P803B
F J801C +150V
W8
W2
P803H
W9
W3
J801 [J600 ou J700]
A.W13_P800L_P802R +105V
B J800A
C.W22_J800F_P800B_P802F
P803F_P801D+150V
D_J800B +24V ou Secteur ~
E_W28 +500V
F_P802L +3V
H W14_J800D +24V
L P801R
K_P800P_P801H_P802C
J800hi_P803A
MASSE ELECT.
M W12_P800A_P802H +4V
N_MASSE_MECAN
P W25
R_P800K_P801K_P802A
P803D 24V
J P803K
P800J
J800J
J800U
J801N
P800C
J801K
J800a
P801L
P802D
J800H
W

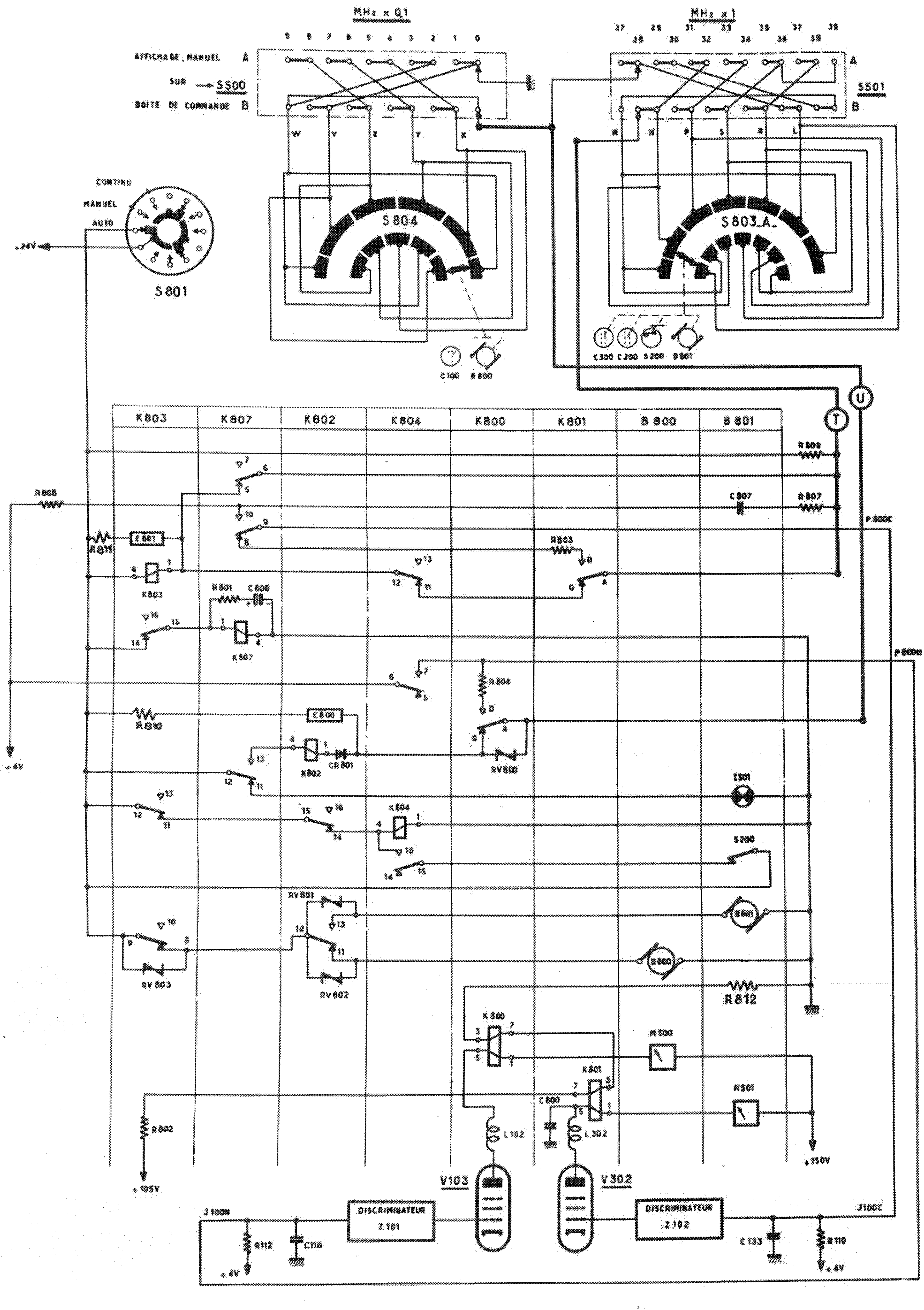

ANTENNE
27MHz
S805 Couplage Antenne
39MHz
L800
Vers C 231
K806
Relais Antenne
Vers point milieu L 200
ANTENNE
J802
C808
R808
CR800
R805
C809
C801
TB 802
M800
S800
ANTENNE
ANODE
R800
B801
C300
C200
S200
E801
ELECTRO-FREIN
R811
P801P
P801L
K801
K804
K805
R802
S801B
CONTINU
MANUEL
AUTO
R809
S801A
P800 (J100)
P801 (J200)
P802 (J300)
P803 (J400)
+4V P802H J801M A
+150V J801C B
W4 C
W15 H
W1 J
24V J801R K
+105V J801A L
W16 M
W11 N
MASSE J801K P
W21 A
+24V J800C W26 B
P802M C
W23 F
MASSE J801K H
W27 J
24V J801R K
W6 L
J801C D
W28 N
W10 P
J801L R
24V J801R A
MASSE J801K C
W7 D
P803J E
+150V J801C F
+4V J801M P800A H
J800C K
+3V J801F L
P801C M
+105V J801A P
MASSE J801K A
J800E B
W23 C
24V J801R D
W21 E
+150V J801C F
J800K H
P802E J
J801J K
W19 L
J800f M
J800b N
W18 P
J800g R
P801L
P802D
J800H
J800T
P801P
P800N
J801M +4V
J801A +105V
J801H +24V
P800H
P800M
J800d
P803P
P803L
J800c
P801A P803E
J801C +15DV
P801F P803C
P801P
J800C
P801J
P801N J801E +500V

NLT 124

PLANCHE 23

PLATINE TELECOMMANDE

Schéma de principe des mécanismes de synchronisation



MHz x 0,1
MHz x 1
AFFICHAGE MANUEL A
SUR → S500
BOITE DE COMMANDE B
S501
S804
S803 A
CONTINU
MANUEL
AUTO
S801
+24V
C100
B800
C300
C200
S200
B801
K803
K807
K802
K804
K800
K801
B 800
B 801
R808
R809
R807
C807
E801
R811
R803
R801
C806
R804
R810
E800
CR801
RV800
RV801
RV802
RV803
I801
S200
R812
M500
M501
C800
L102
L302
R802
V103
V302
DISCRIMINATEUR Z 101
DISCRIMINATEUR Z 102
J100N
J100C
R112
C116
C133
R110
P800C
P800N
+4V
+105V
+150V

Planche 24

Boîte de Comm : BC 101

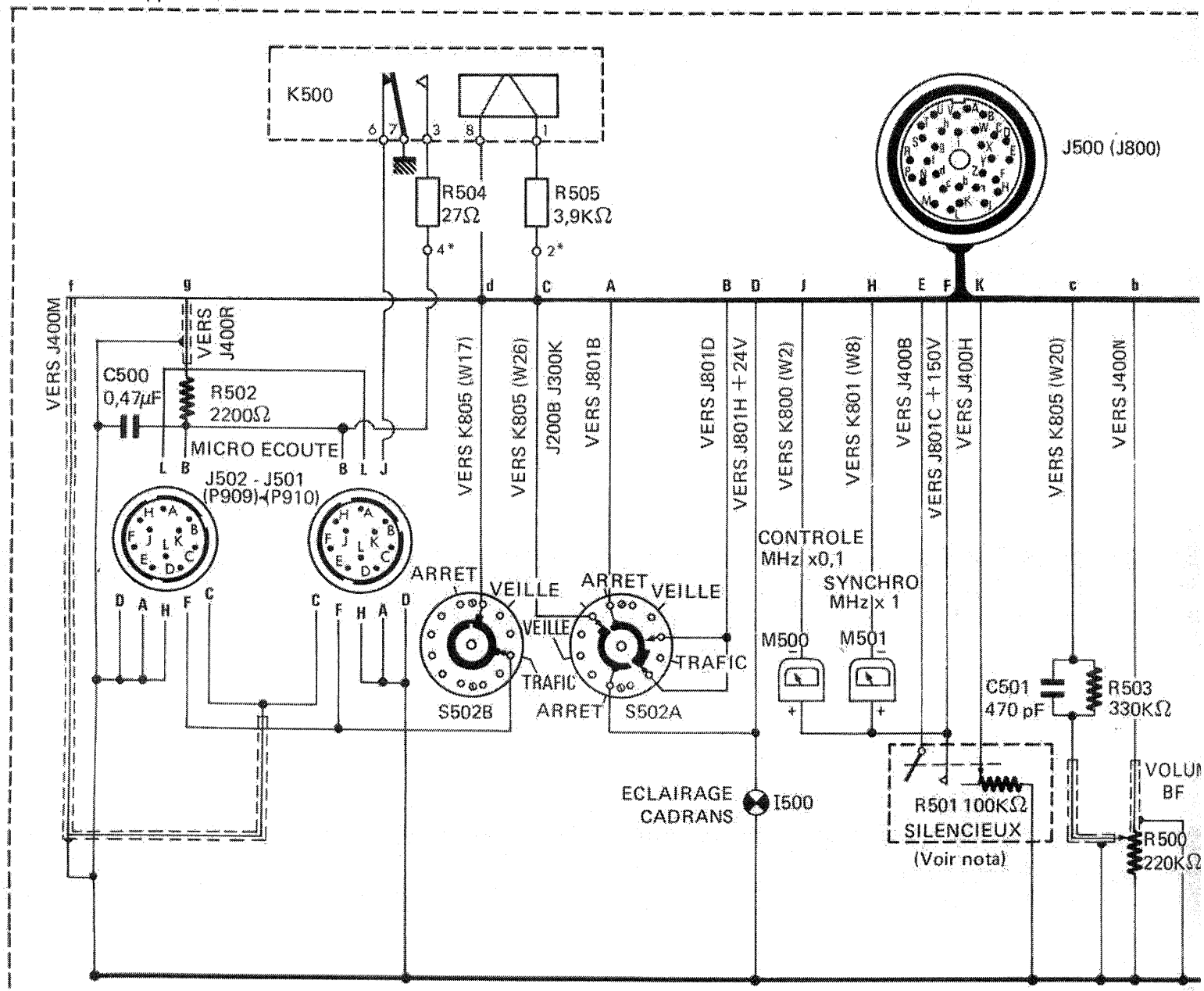
Combiné : H33

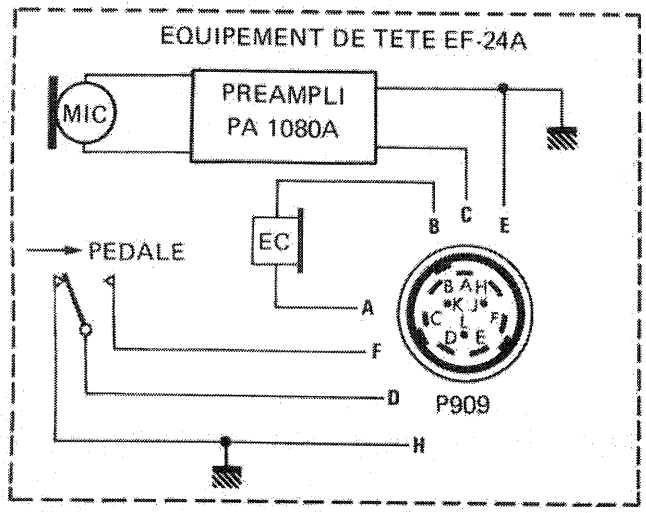
HP : HP28

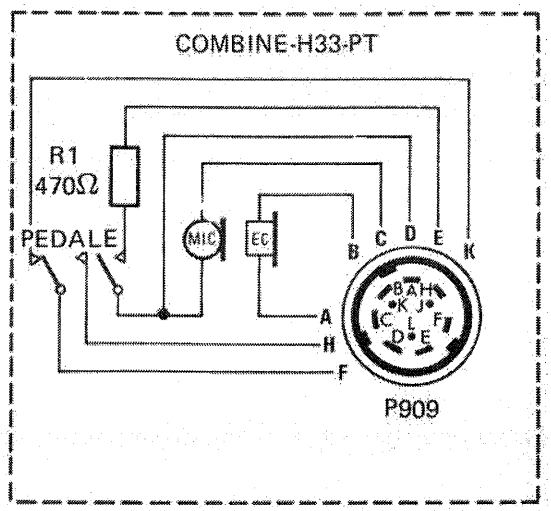
CONDENSATEURS		RESISTANCES	
REPERE	VALEUR	REPERE	VALEUR
		R1	470Ω
		R500	220KΩ
C 500	0,47µF	R501	100KΩ
C 501	470pF	R502	2200Ω
		R503	330KΩ
		R504	27Ω
		R505	3900Ω
		R506	100KΩ

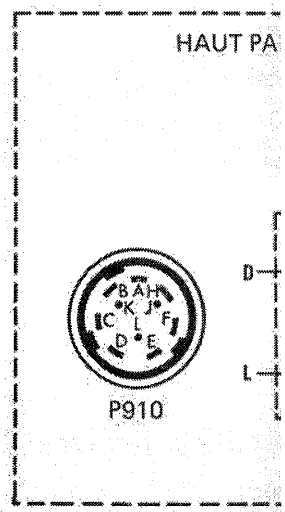
Mise à jour : Mars 1981

(*) Cosses du support relais

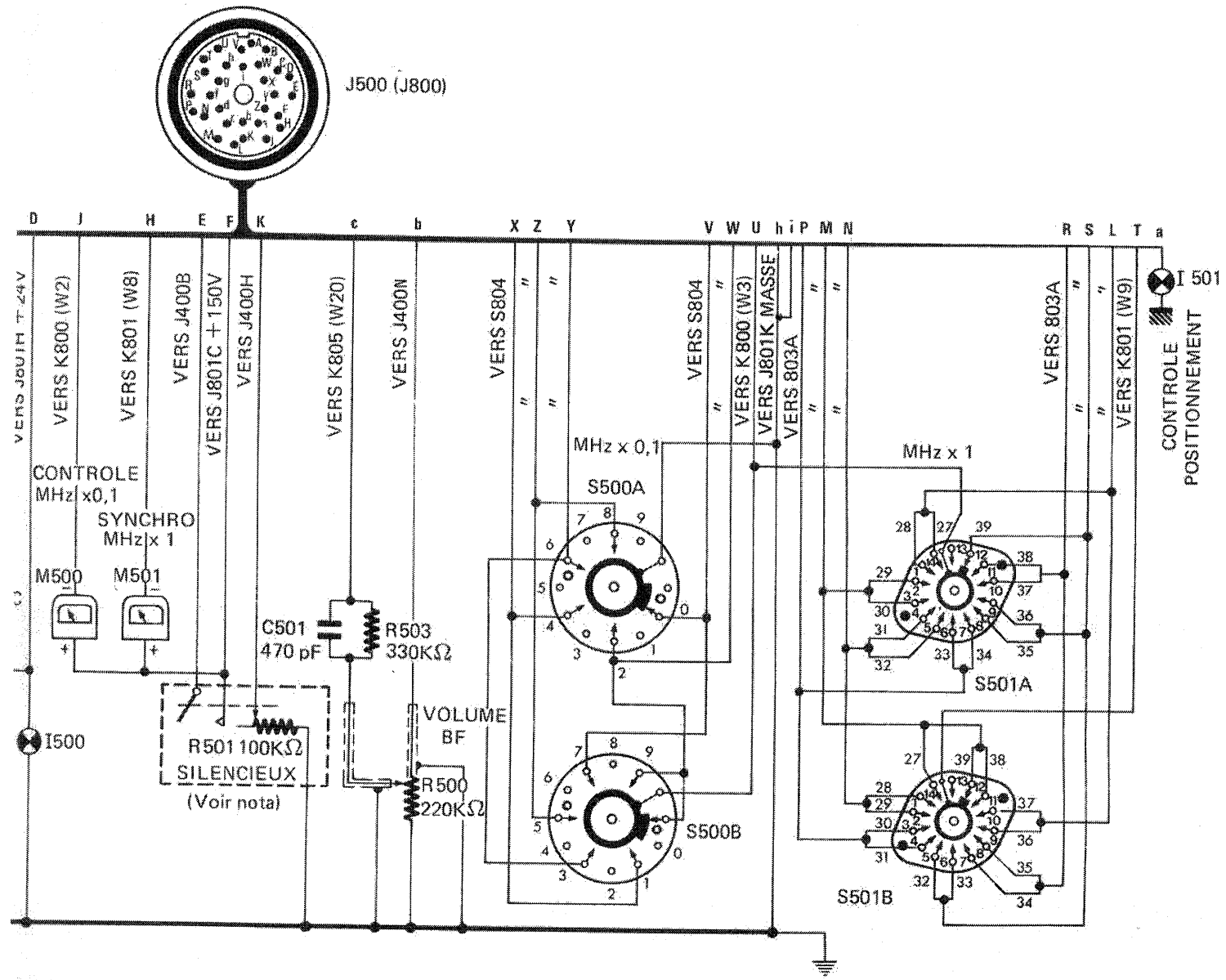


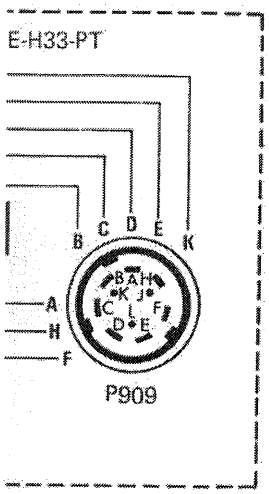


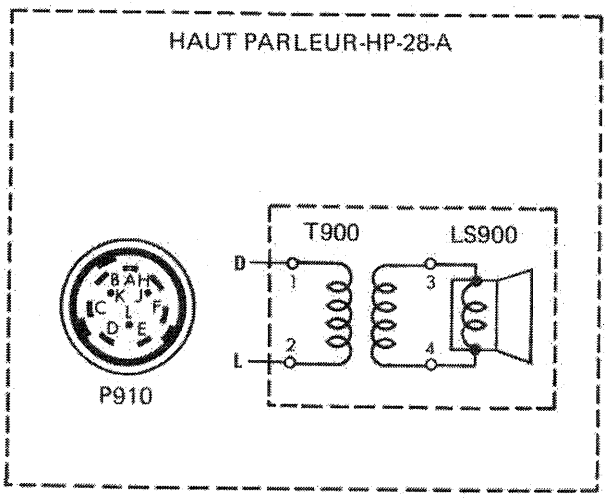




BOITE DE COMMANDE - BC-101-A







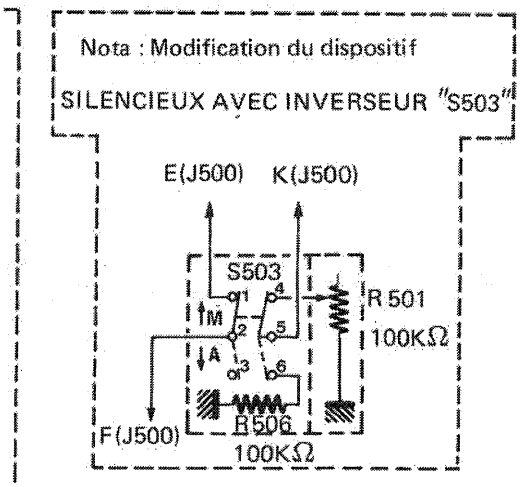


PLANCHE 25

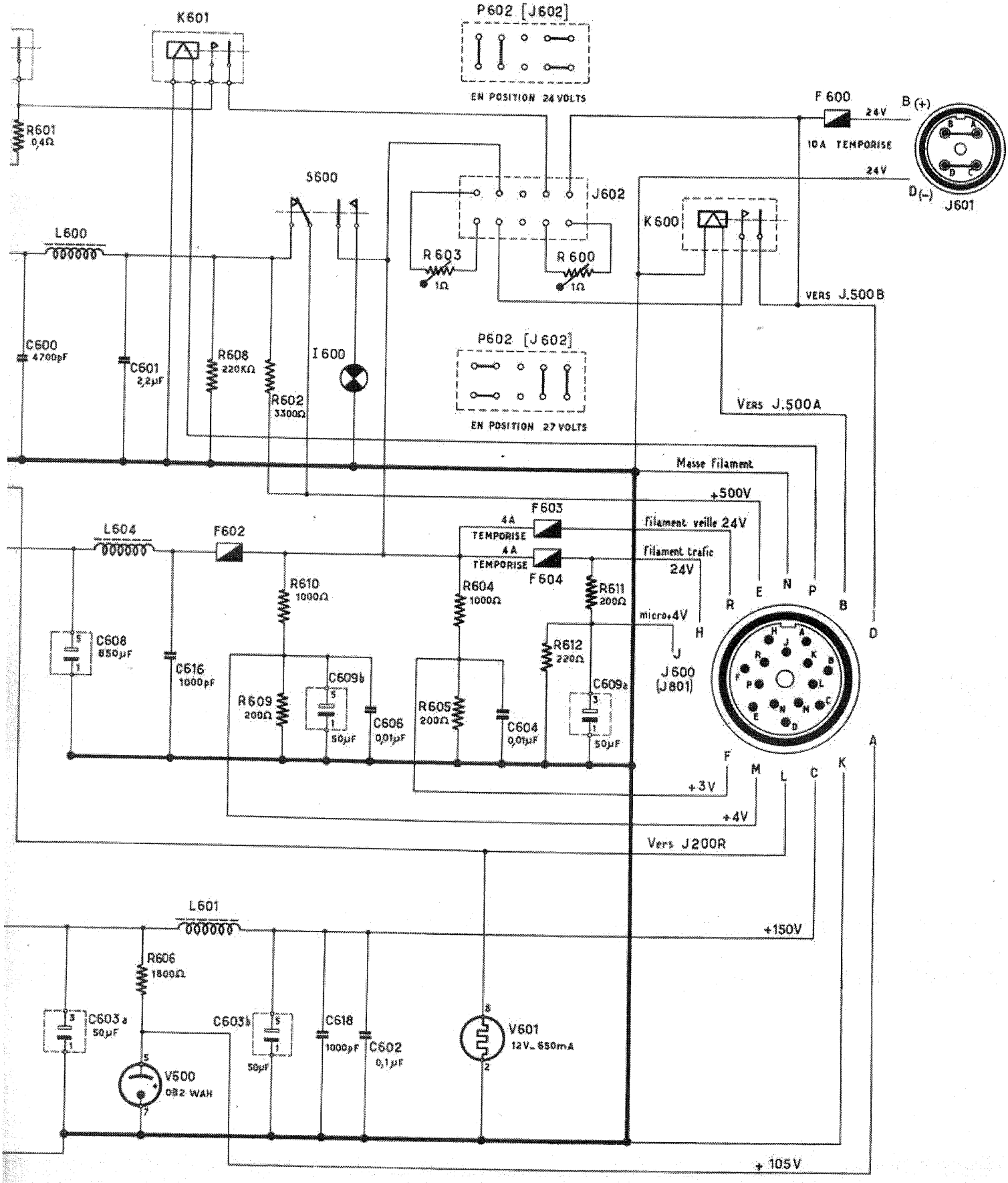
BA-153-A

SCHEMA DE PRINCIPE

CONDENSATEURS	
REPERE	VALEUR
C 600	4700 pF
C 601	2,2 µF
C 602	0,1 µF
C 603	2 × 50 µF
C 604	10000 pF
C 605	10000 pF
C 606	10000 pF
C 607	10000 pF
C 608	850 µF
C 609	2 × 50 µF
C 610	0,1 µF
C 611	22000 pF
C 612	10000 pF
C 613	0,1 µF
C 614	1000 pF
C 615	1000 pF
C 616	1000 pF
C 617	1000 pF
C 618	1000 pF
C 619	10000 pF
C 620	10000 pF

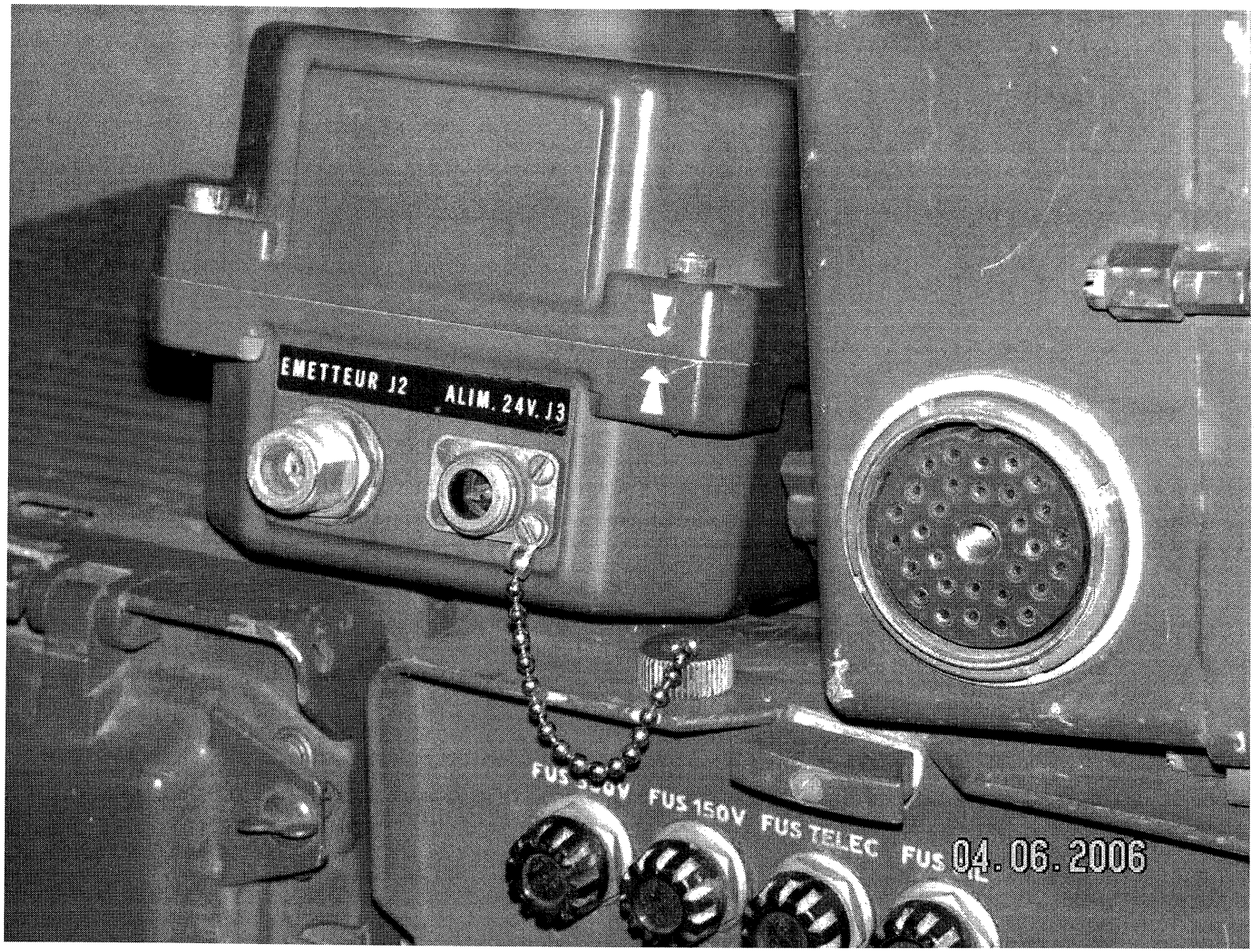
RESISTANCES	
REPERE	VALEUR
R 600	1 Ω
R 601	0,4 "
R 602	3300 "
R 603	1 "
R 604	1000 "
R 605	200 "
R 606	1800 "
R 607	1500 "
R 608	220k "
R 609	200 "
R 610	1000 "
R 611	200 "
R 612	220 "

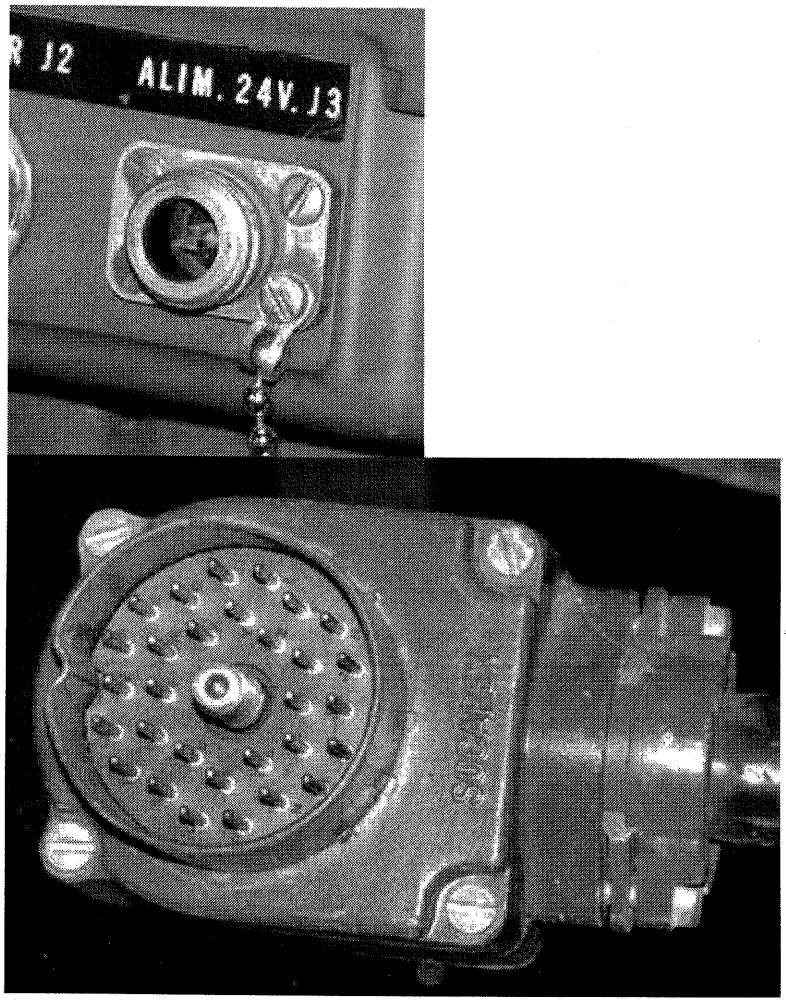
TUBES	
REPERE	TYPE
V 600	0B2WAH
V 601	FeH

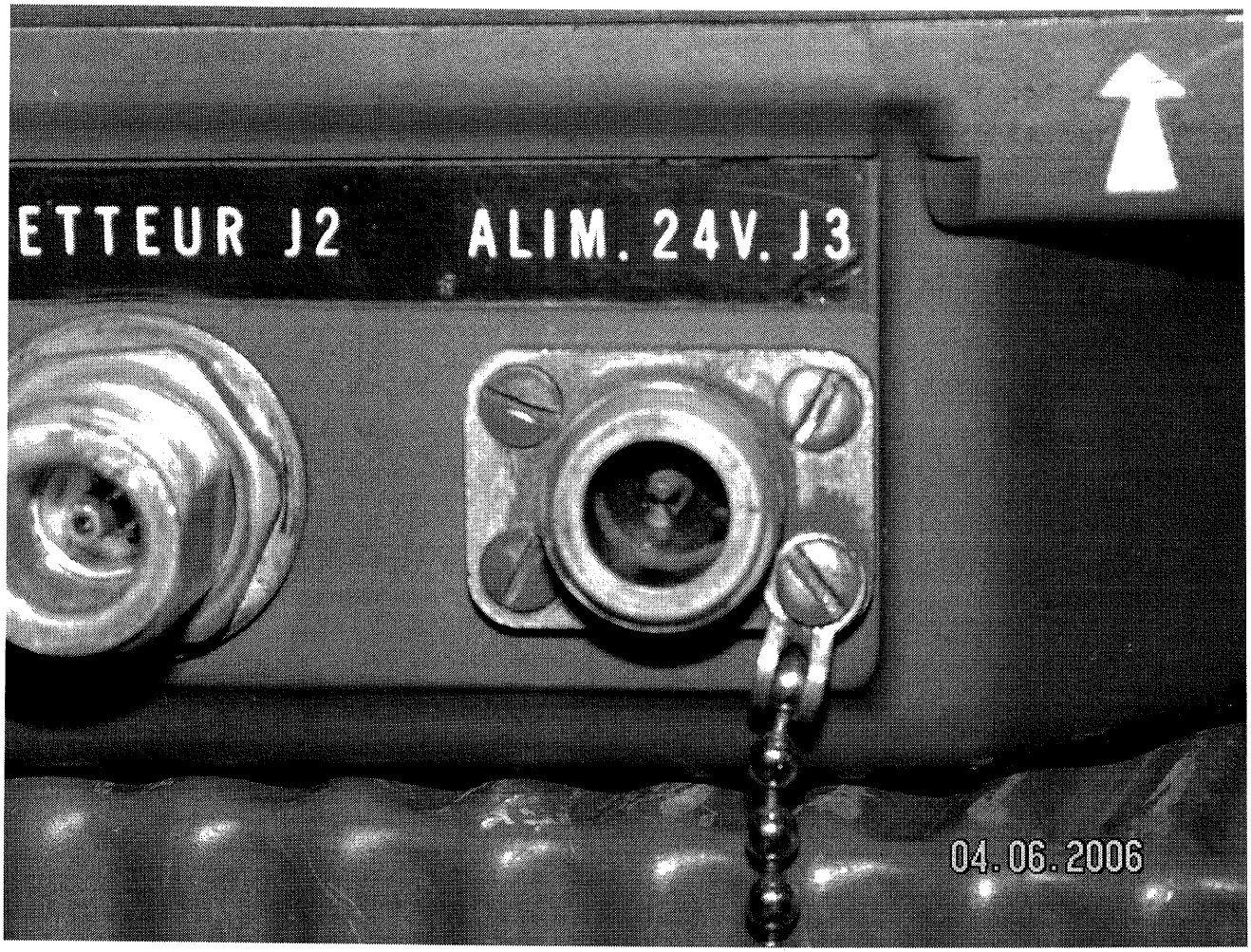

K601
P602 [J602]
EN POSITION 24 VOLTS
F 600
24V
10A TEMPORISE
B (+)
D (-)
J601
R601
0,4Ω
S600
J602
K600
R 603
1Ω
R 600
1Ω
24V
VERS J.500 B
L600
C600
4700pF
C601
2,2µF
R608
220KΩ
R602
3300Ω
I 600
P602 [J602]
EN POSITION 27 VOLTS
VERS J.500A
Masse Filament
+500V
F603
4A
TEMPORISE
filament veille 24V
L604
F602
F604
filament trafic
24V
R610
1000Ω
R604
1000Ω
R611
200Ω
micro+4V
R
E
N
P
B
H
J
J600
(J801)
D
C608
850µF
C616
1000pF
R612
220Ω
R609
200Ω
C609b
50µF
C606
0,01µF
R605
200Ω
C604
0,01µF
C609a
50µF
A
F
M
L
C
K
+3V
+4V
Vers J200R
L601
+150V
R606
1800Ω
C603a
50µF
C603b
50µF
V500
082 WAH
C618
1000pF
C602
0,1µF
V601
12V_650mA
+105V


CONTROLE
CONTROLE DE SYNCHRO
BX-29-A
BA-152-A
FUSIBLES
ANTENNE
04.06.2006


1
2
CONTROLE
CONTROLE DE SYNCHRO
TRAFIC
ARRET
VEILLE
MICRO
ECOUTE
SILENCEUX
VOLUME


EMETTEUR J2
ALIM. 24V. J3
FUS 150V
FUS TELEC
FUS
04. 06. 2006


J2
ALIM. 24V. J3


ETTEUR J2
ALIM. 24V. J3
04. 06. 2006