SECTION VII - ILLUSTRATIONS

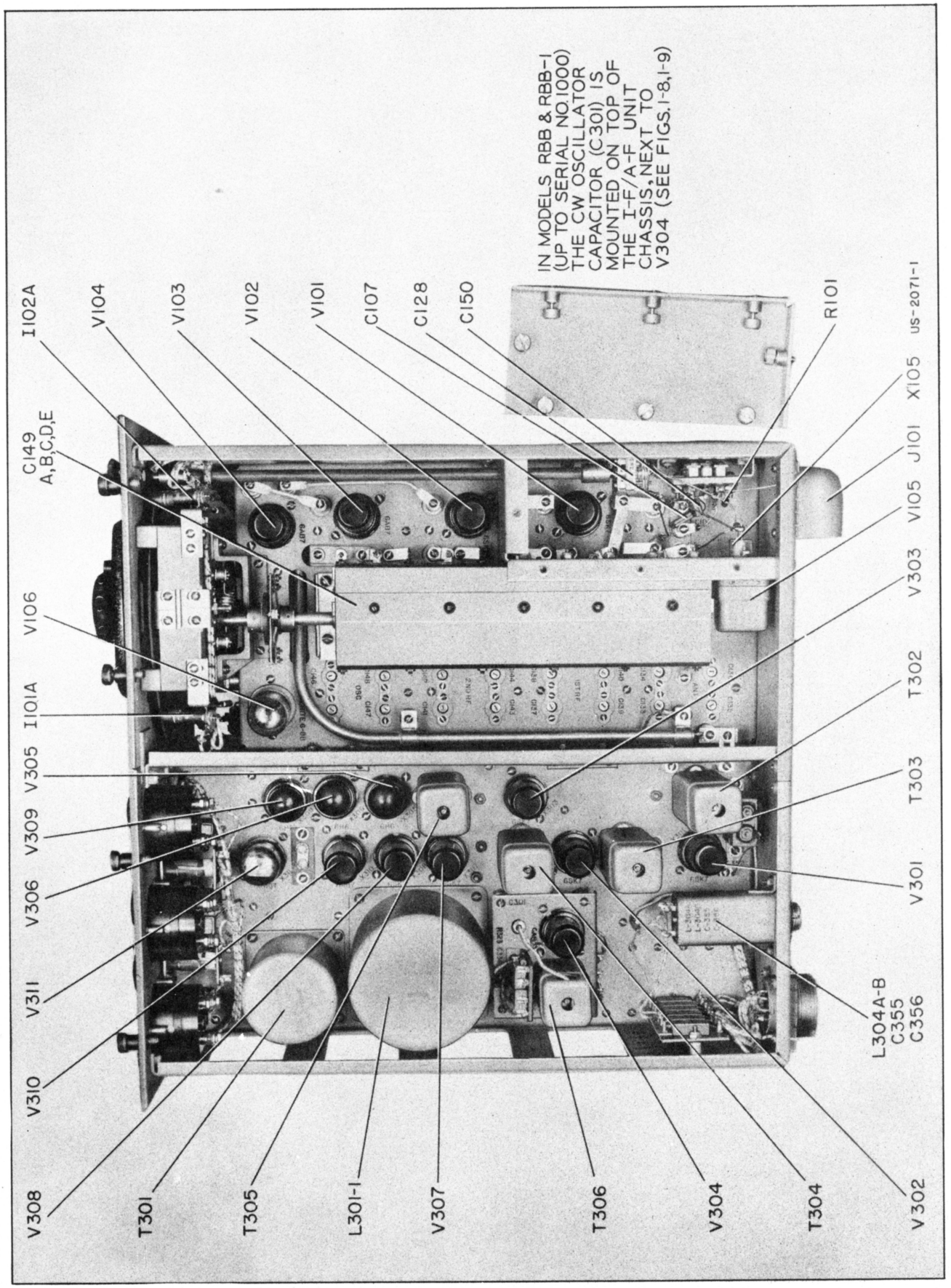


Figure 7-1 — Model RBB Radio Receiver (Top View With Antenna, First R-F Stage Shield Removed)

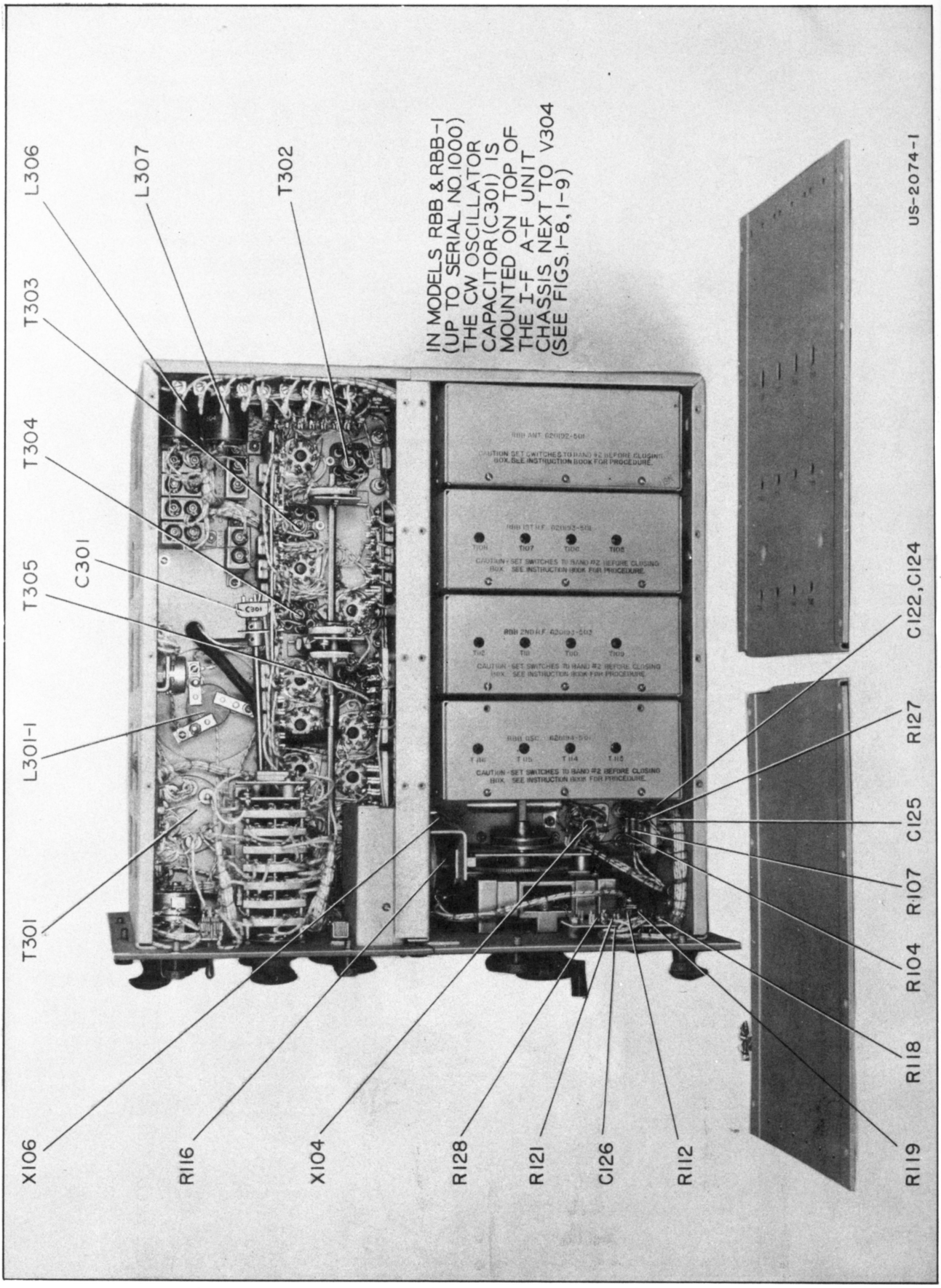


Figure 7-2 — Model RBB Radio Receiver
(Bottom View With Bottom Shields Removed)

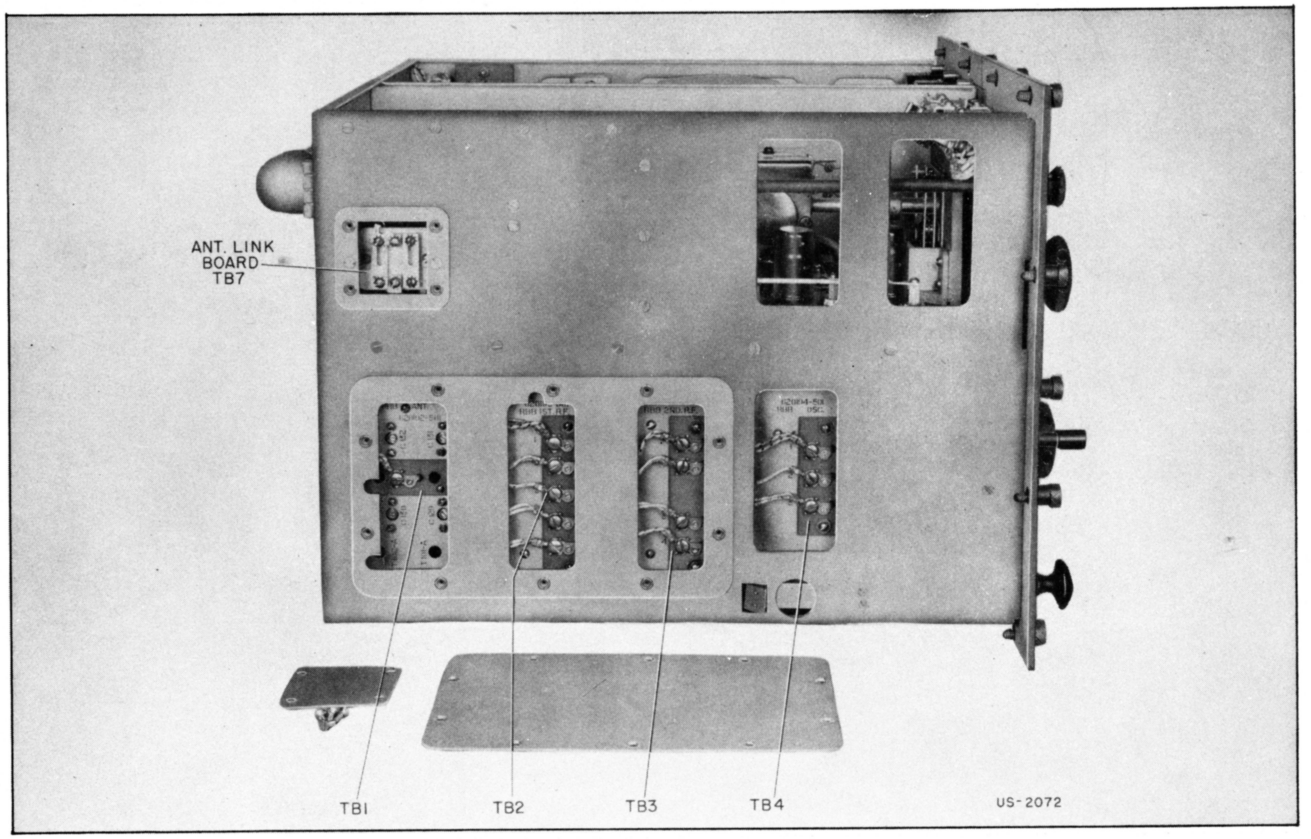


Figure 7-3 — Model RBB Radio Receiver
(Side View With Terminal Board Shields Removed)

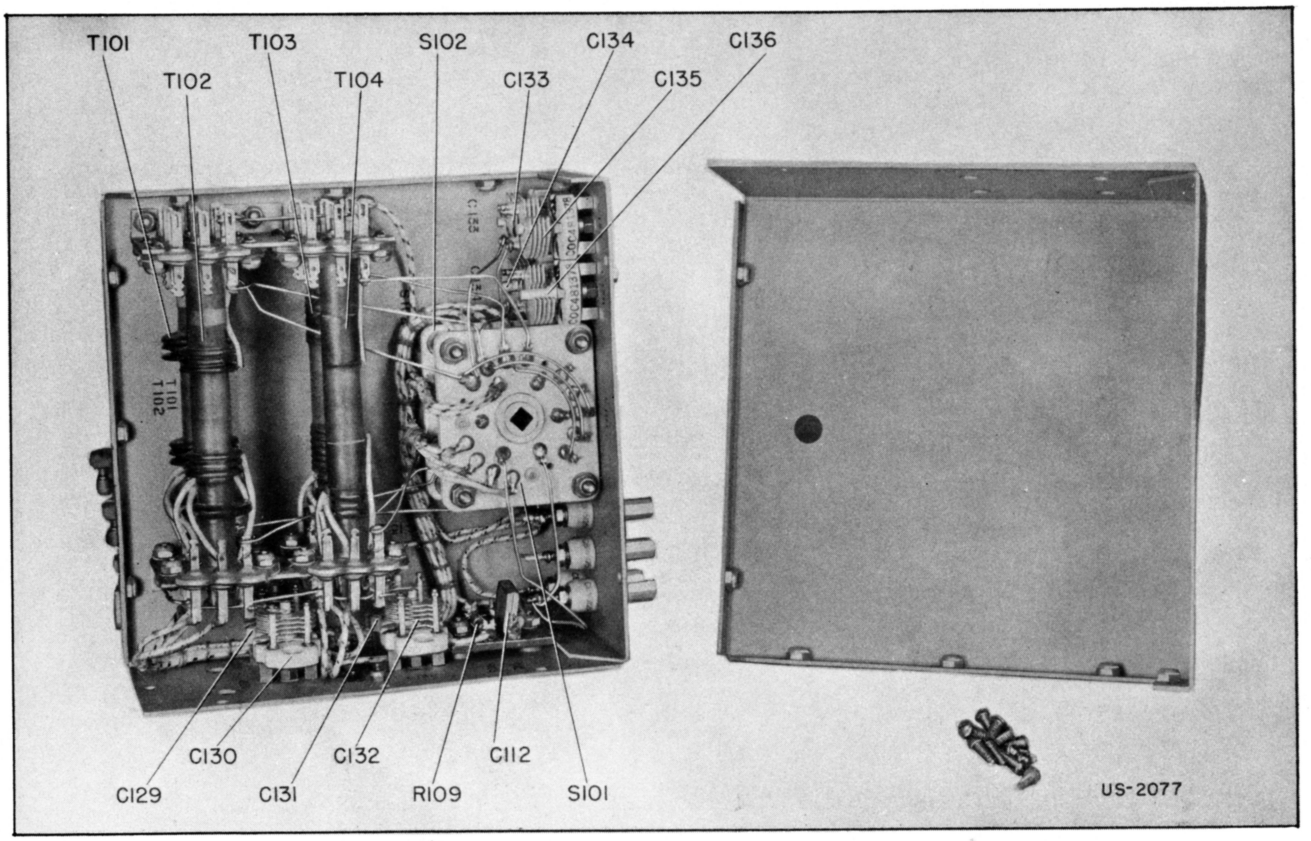


Figure 7-4 — Model RBB Radio Receiver (Antenna Box, Cover Removed)

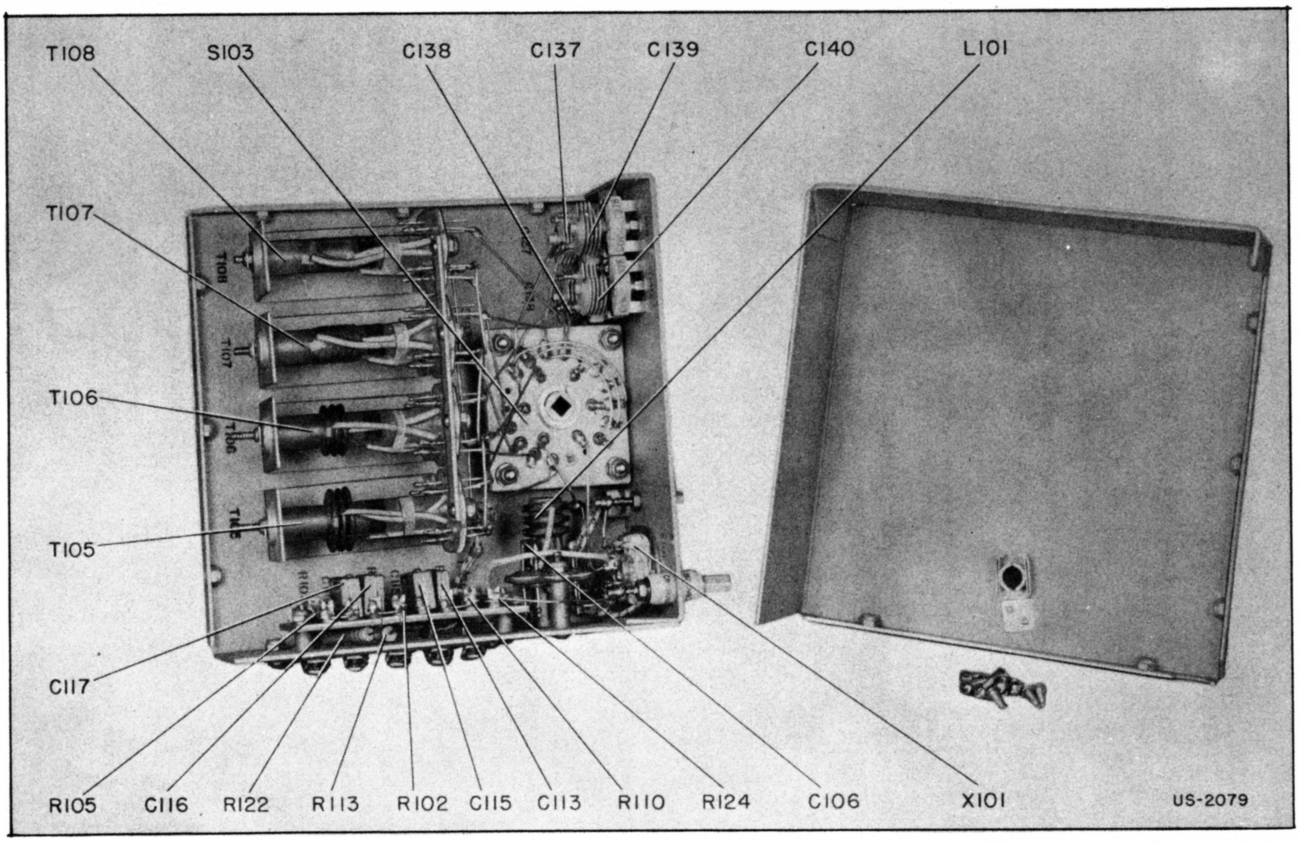


Figure 7-5 — Model RBB Radio Receiver
(First R-F Box, Cover Removed Showing Shaft Grounding Clip in Cover)

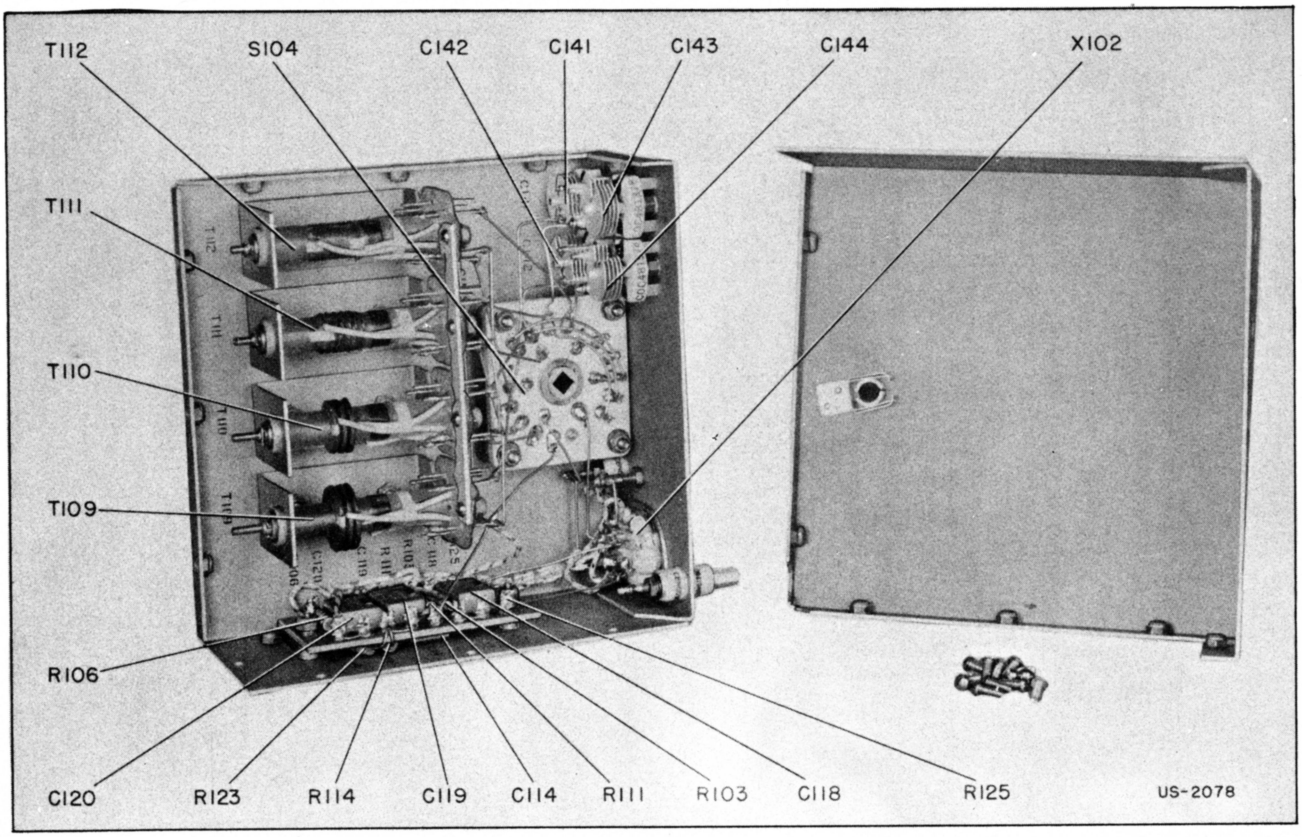


Figure 7-6 — Model RBB Radio Receiver (Second R-F Box, Cover Removed)

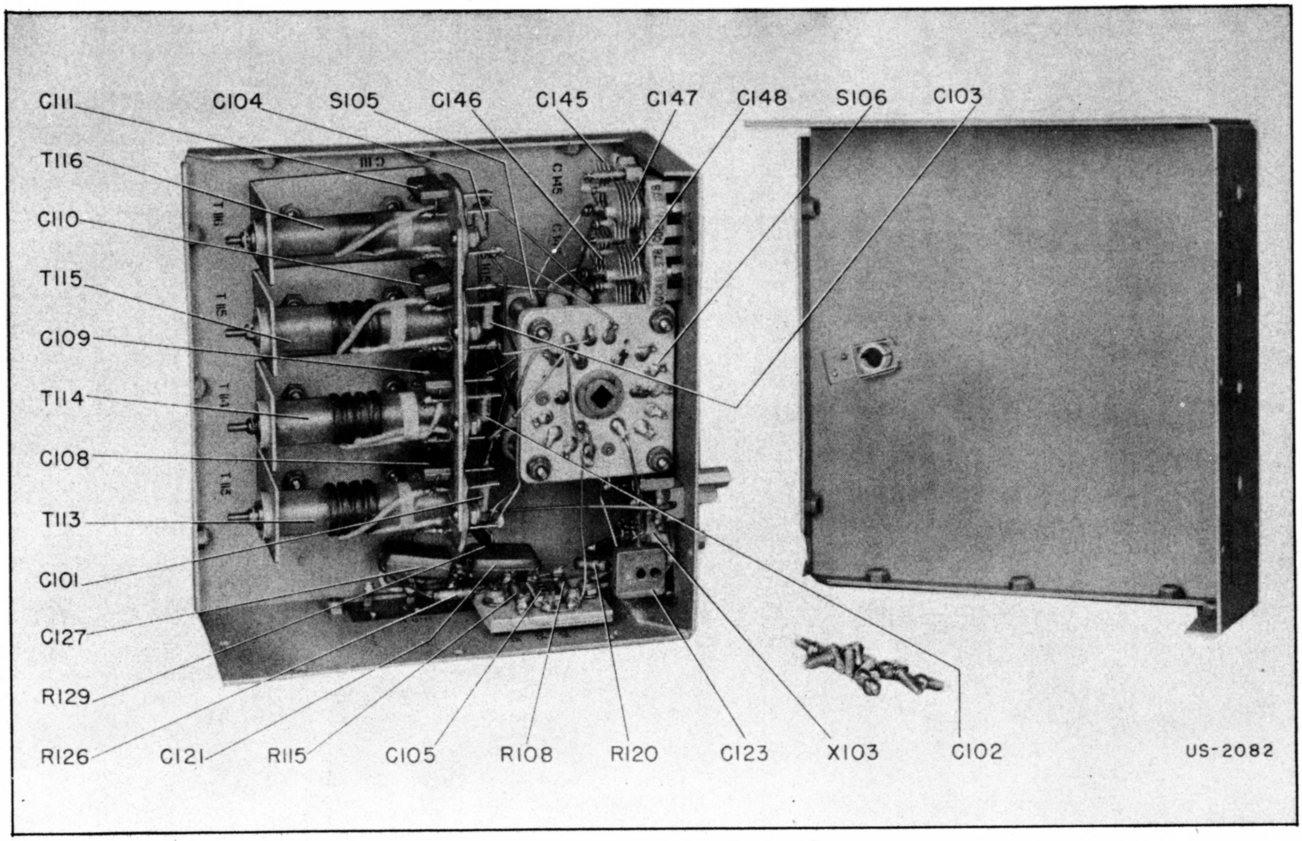


Figure 7-7 — Model RBB Radio Receiver
(Oscillator Box, Cover Removed, Showing Shaft Grounding Clip in Cover)

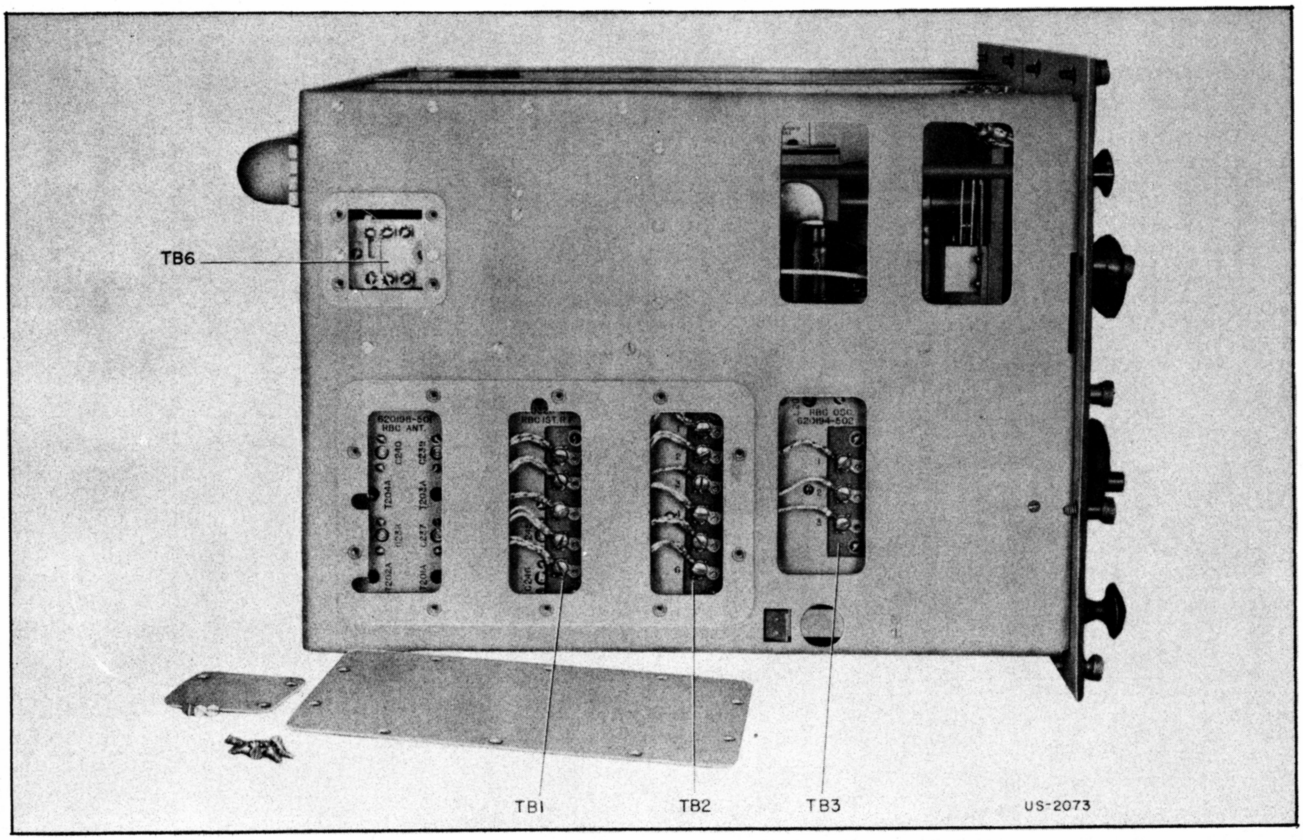


Figure 7-8 — Model RBC Radio Receiver
(Side View With Terminal Board Shields Removed)

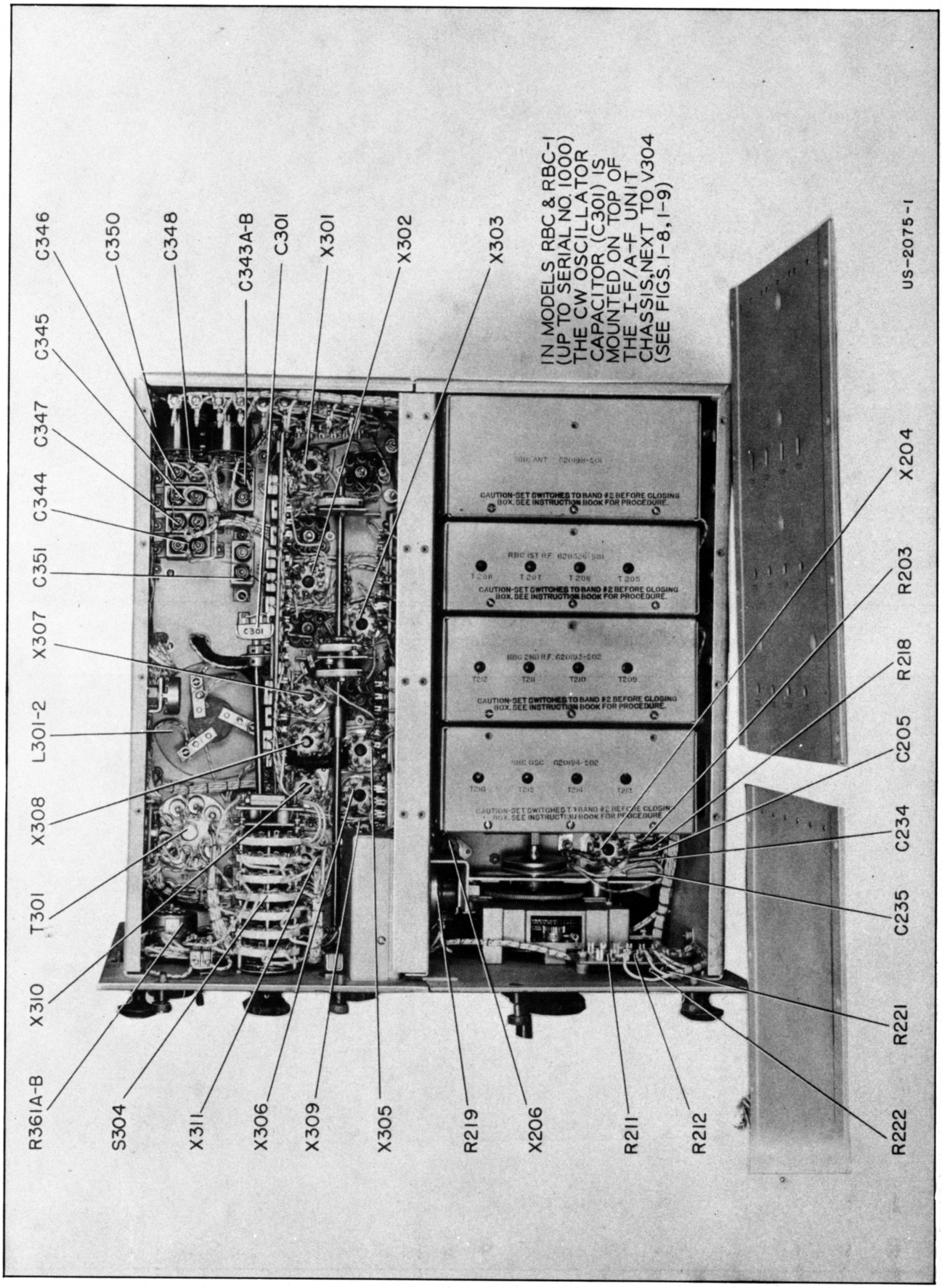


Figure 7-9 — Model RBC Radio Receiver
(Bottom View With Bottom Shields Removed)

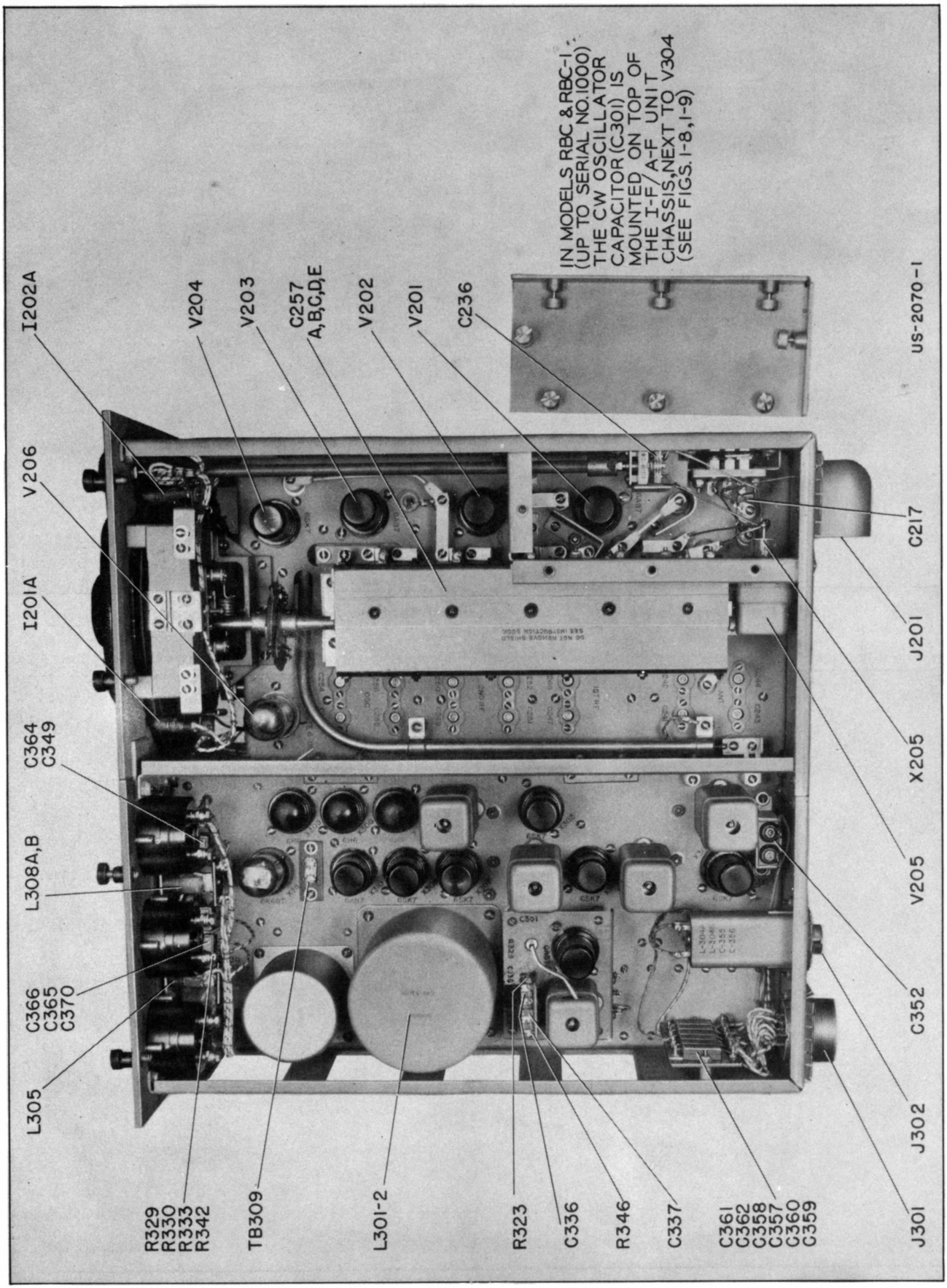


Figure 7-10 — Model RBC Radio Receiver
(Top View With Antenna, First R-F Stage Shield Removed)

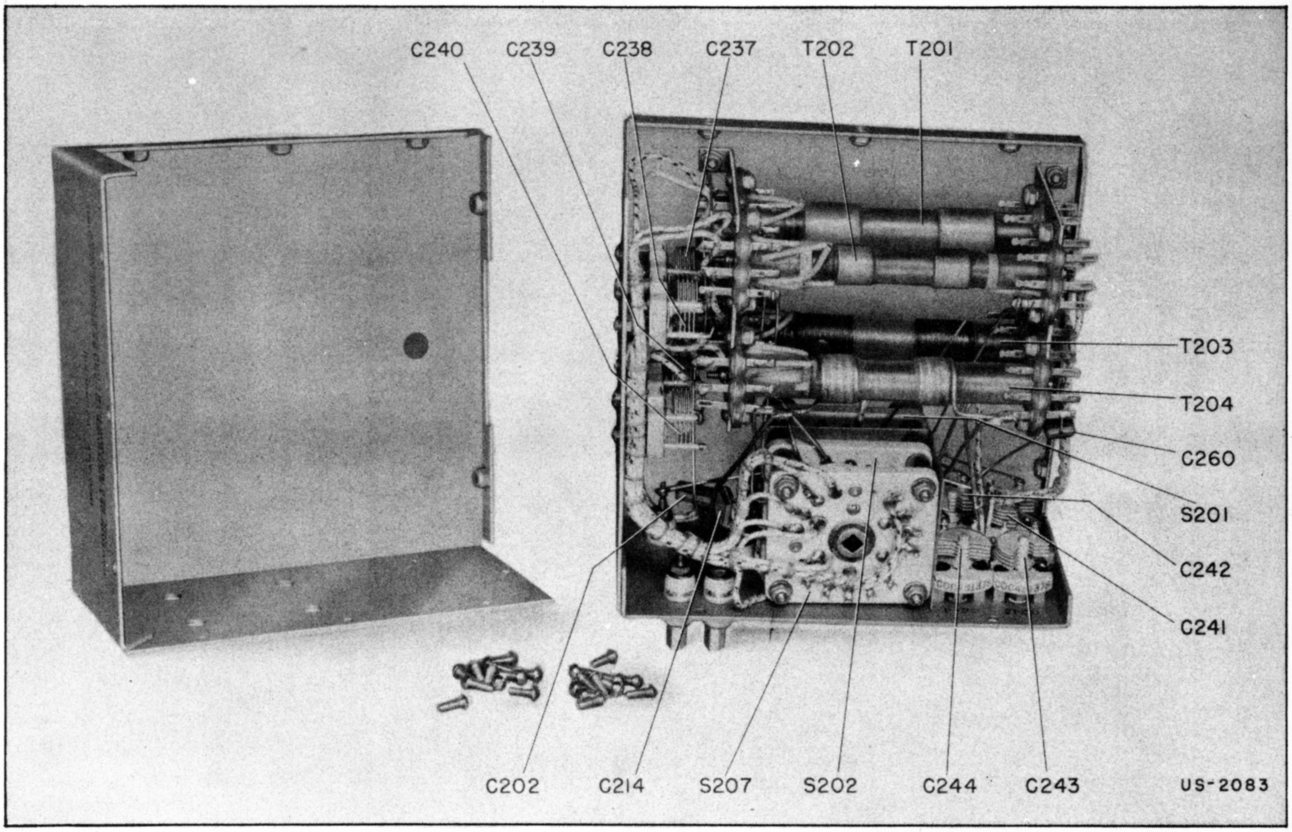


Figure 7-11 — Model RBC Radio Receiver (Antenna Box, Cover Removed)

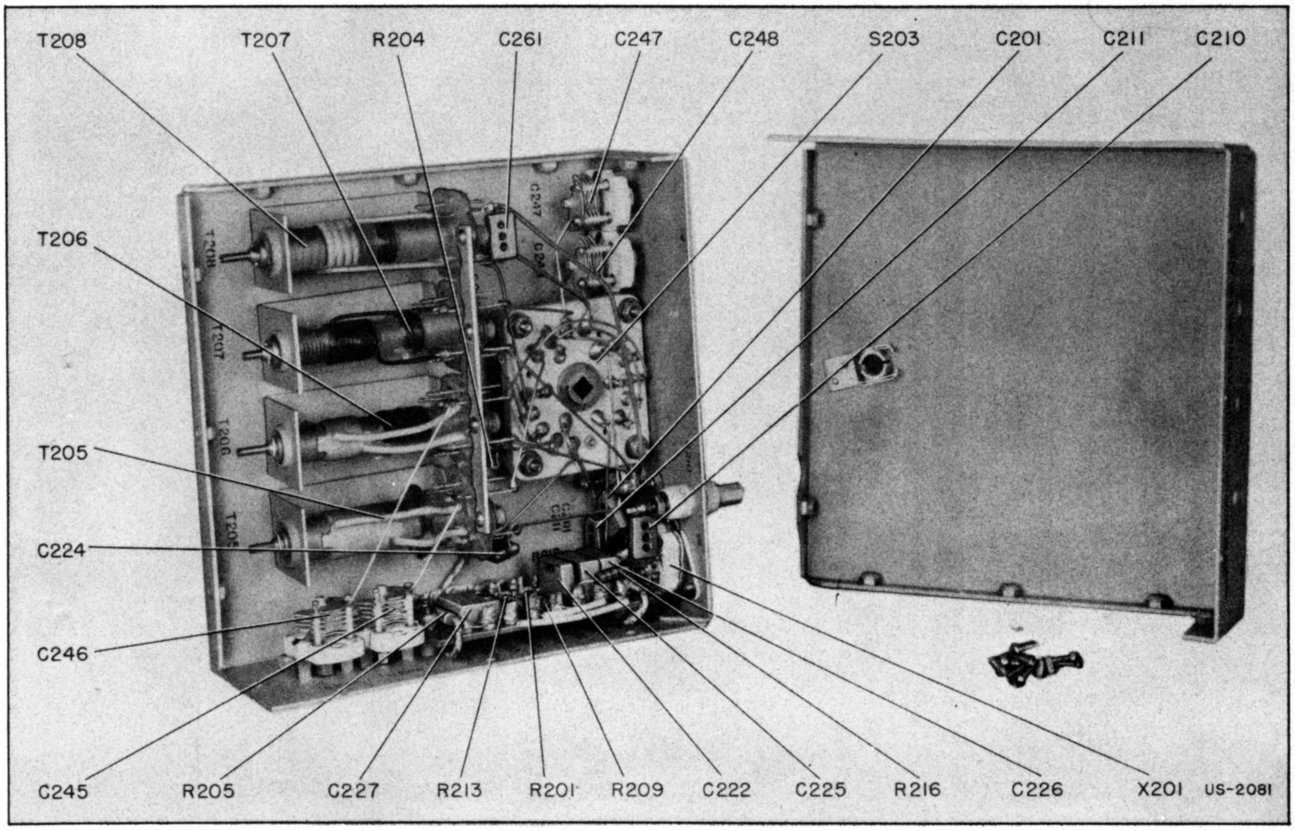


Figure 7-12 — Model RBC Radio Receiver (First R-F Box, Cover Removed)

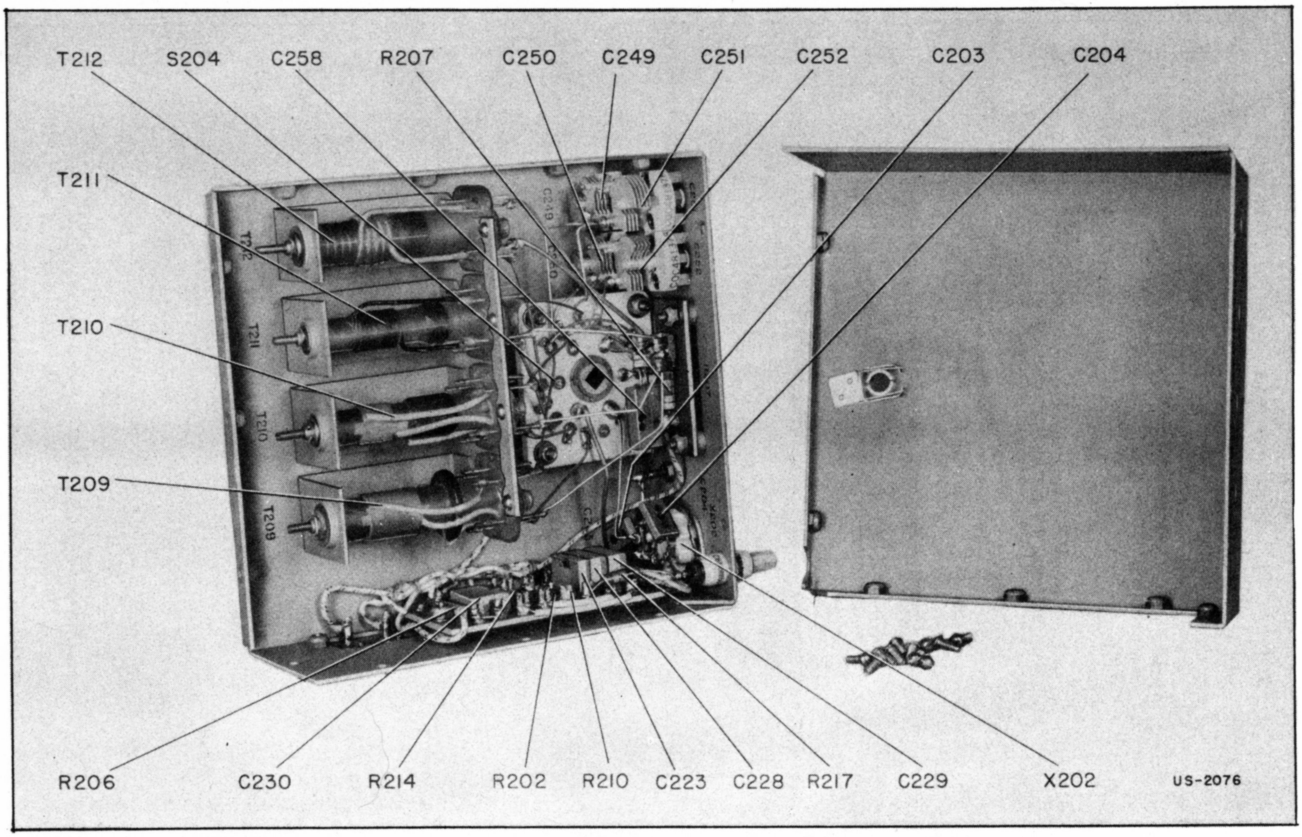


Figure 7-13 — Model RBC Radio Receiver (Second R-F Box, Cover Removed)

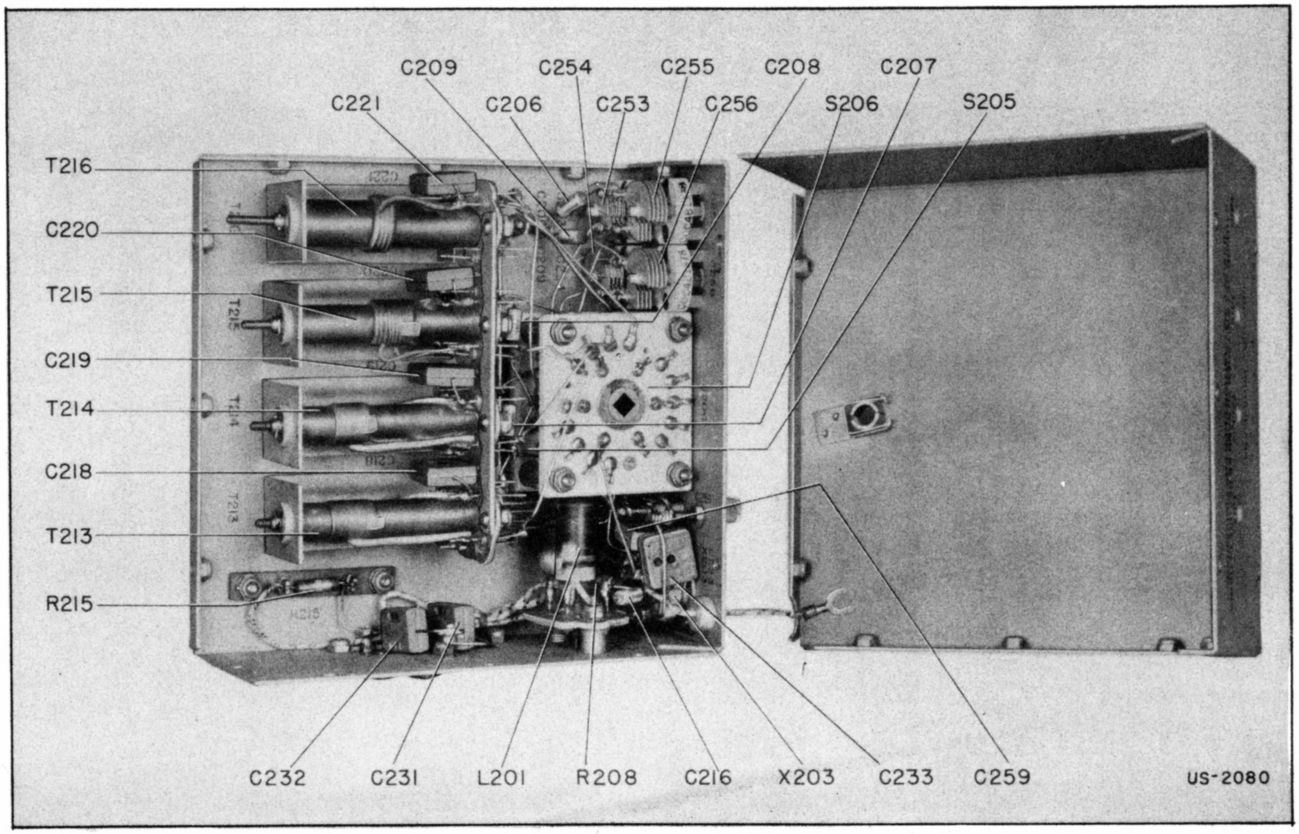


Figure 7-14 — Model RBC Radio Receiver
(Oscillator Box, Cover Removed, Showing Shaft Grounding Clip in Cover)

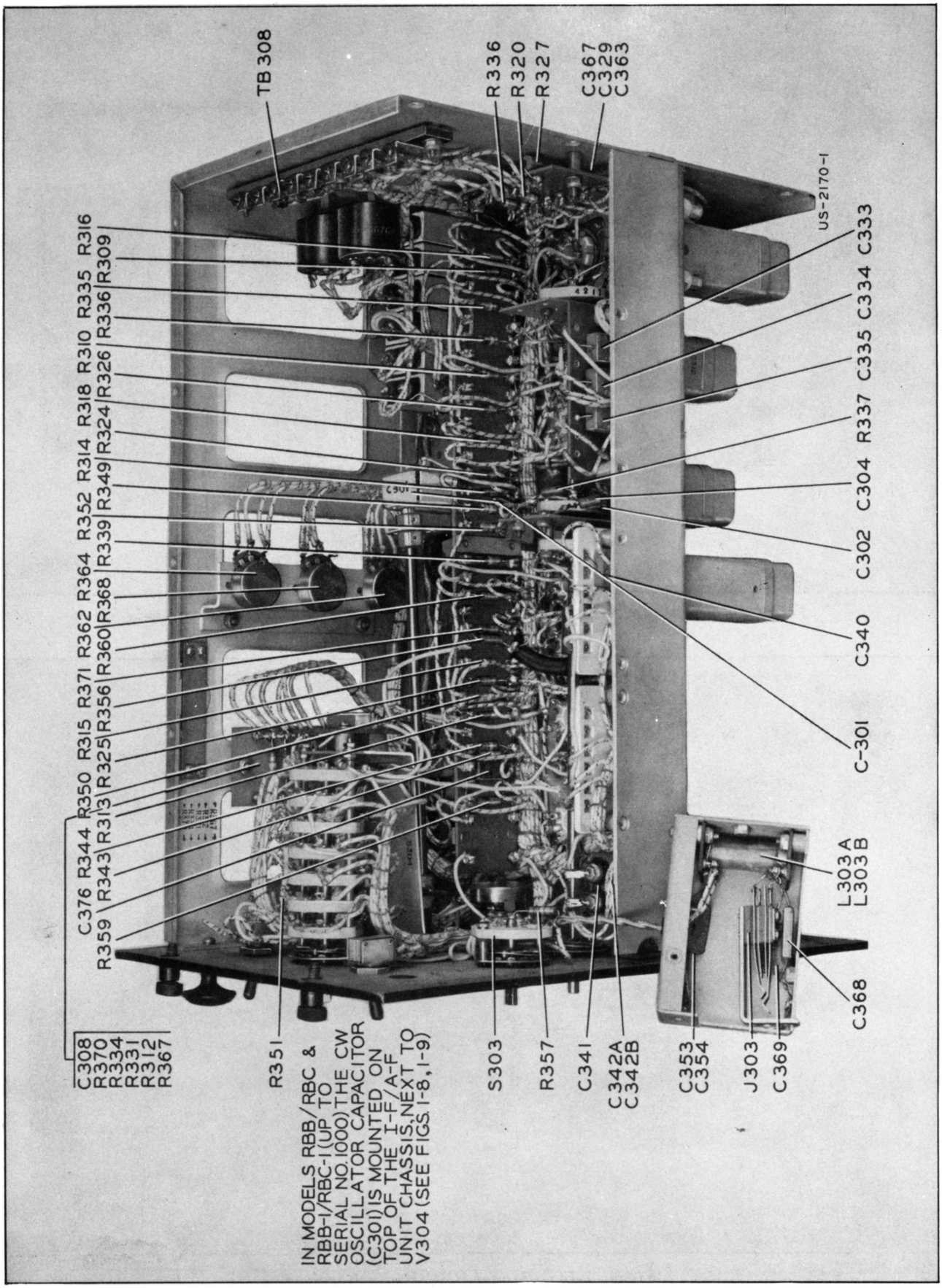


Figure 7-15 — Models RBB/RBC Radio Receivers, I-F/AF Unit Separated From Preselector Unit (Bottom View, Bottom Shield and Phone Jack Box, Cover Removed, Jack Assembly Removed From Normal Position)

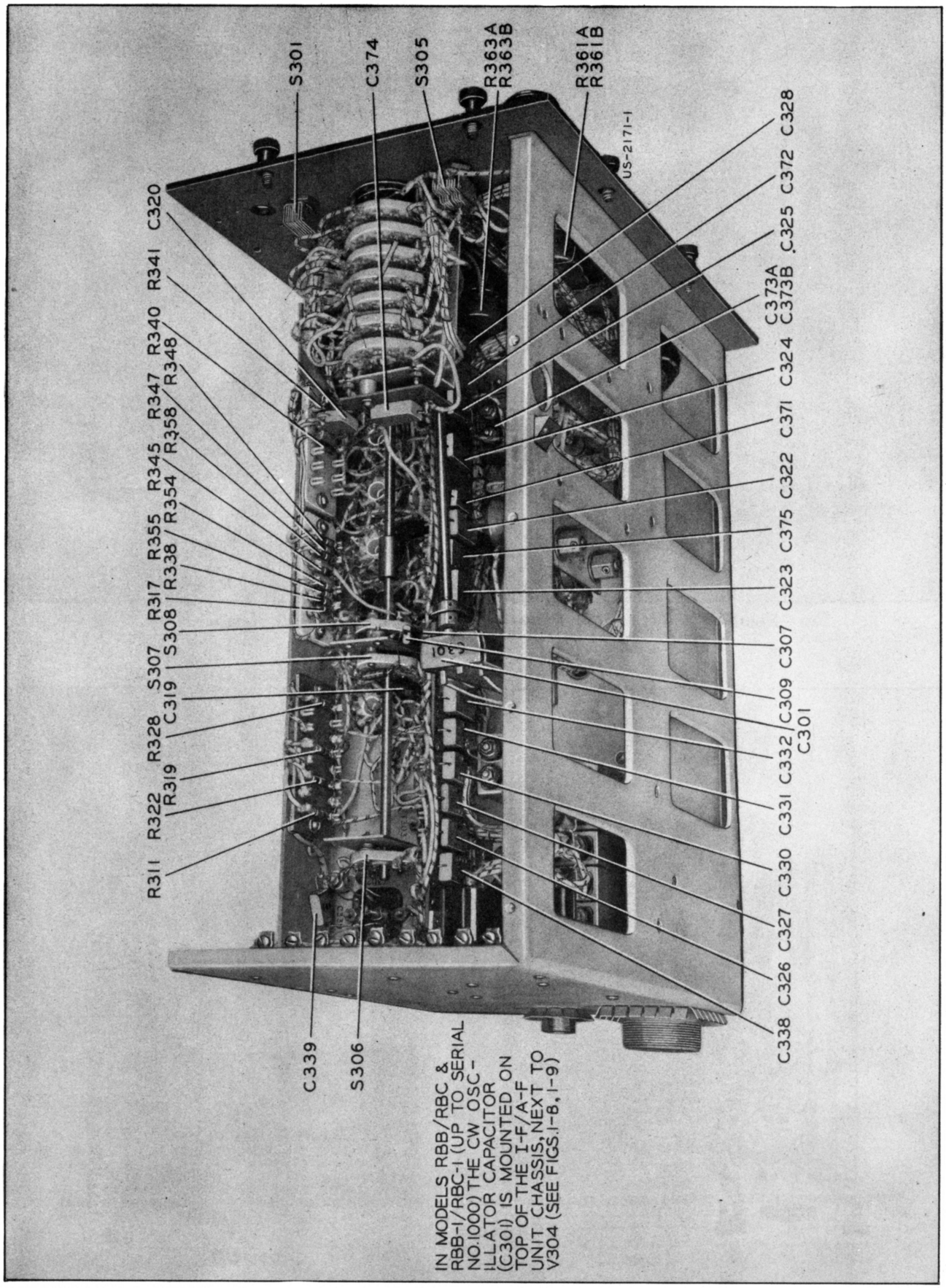


Figure 7-16 — Models RBB/RBC Radio Receivers, I-F/A-F Unit Separated From Preselector Unit (Bottom View)

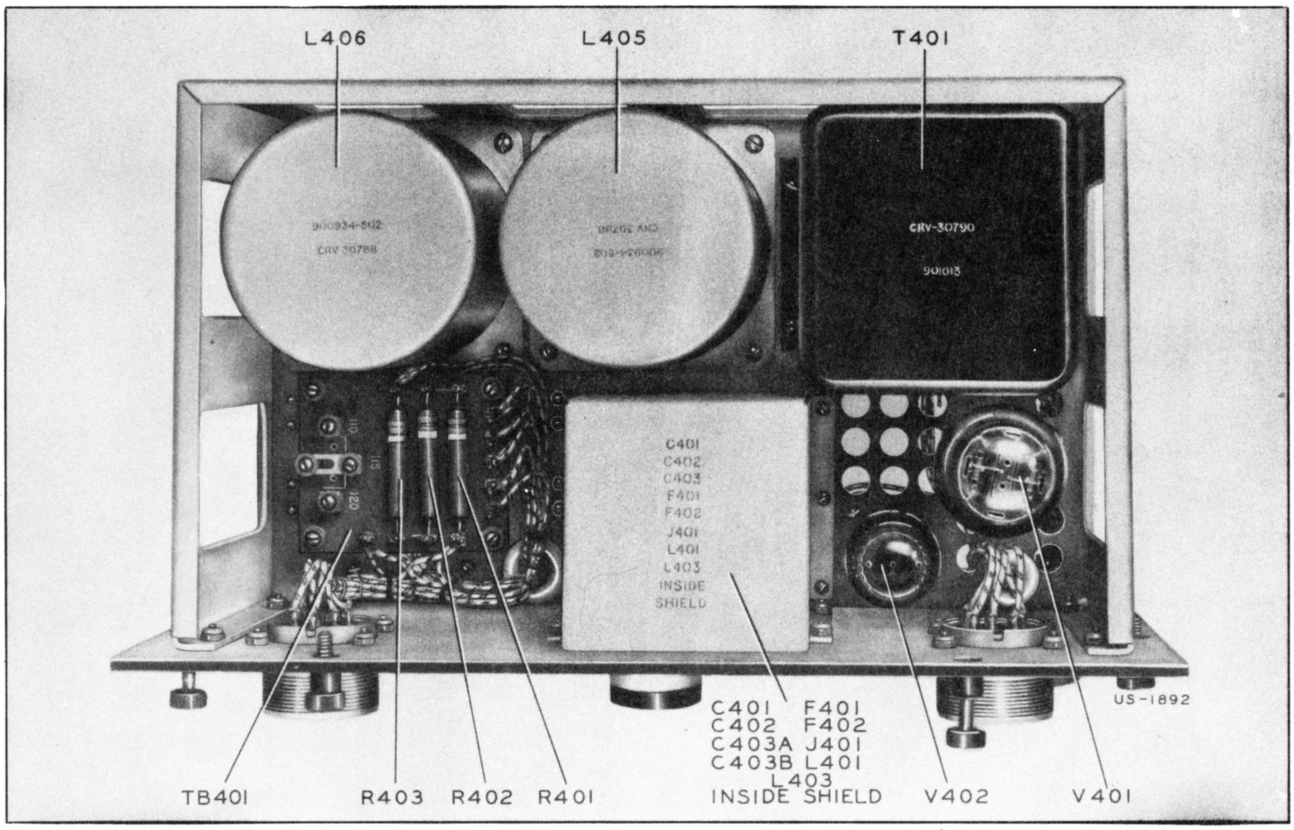


Figure 7-17 — Rectifier Power Unit (Top View, Shields Removed)

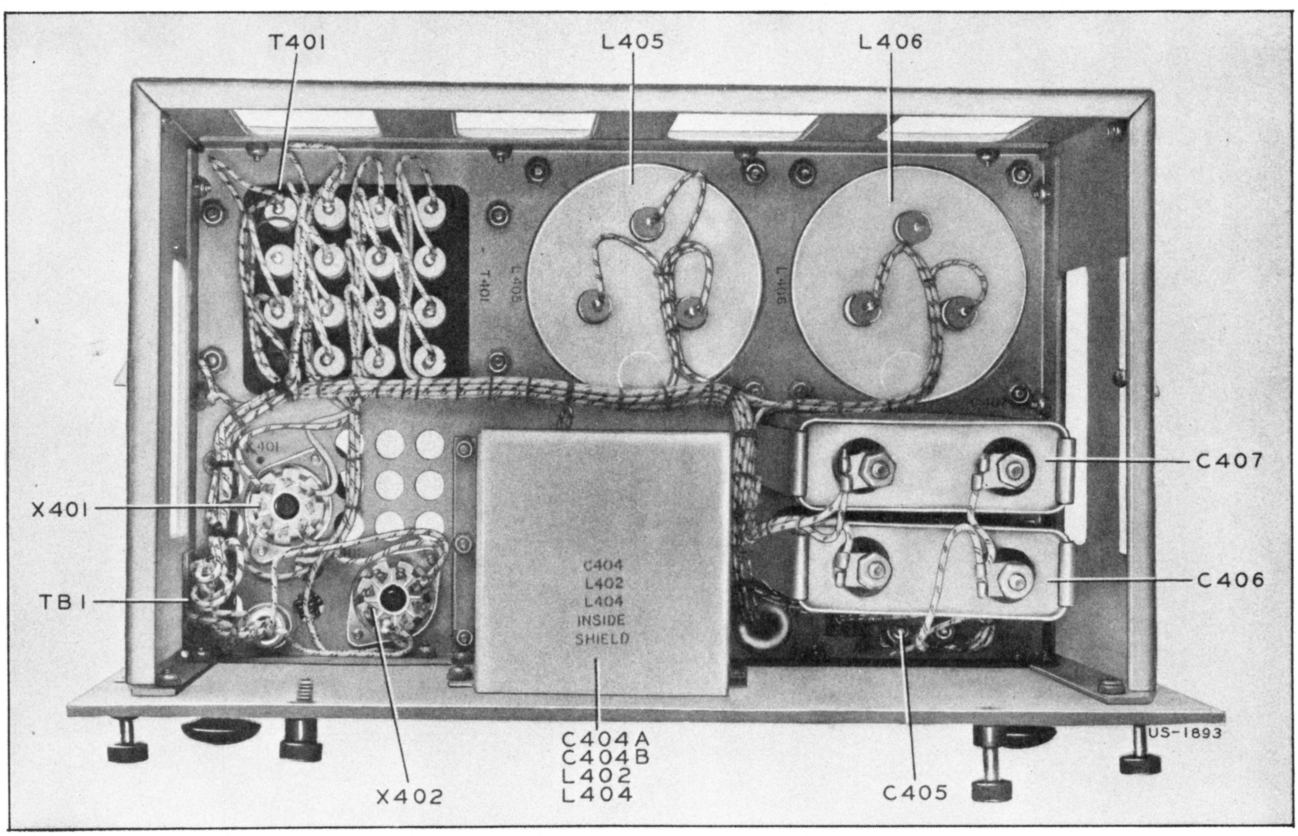


Figure 7-18 — Rectifier Power Unit (Bottom View, Shields Removed)

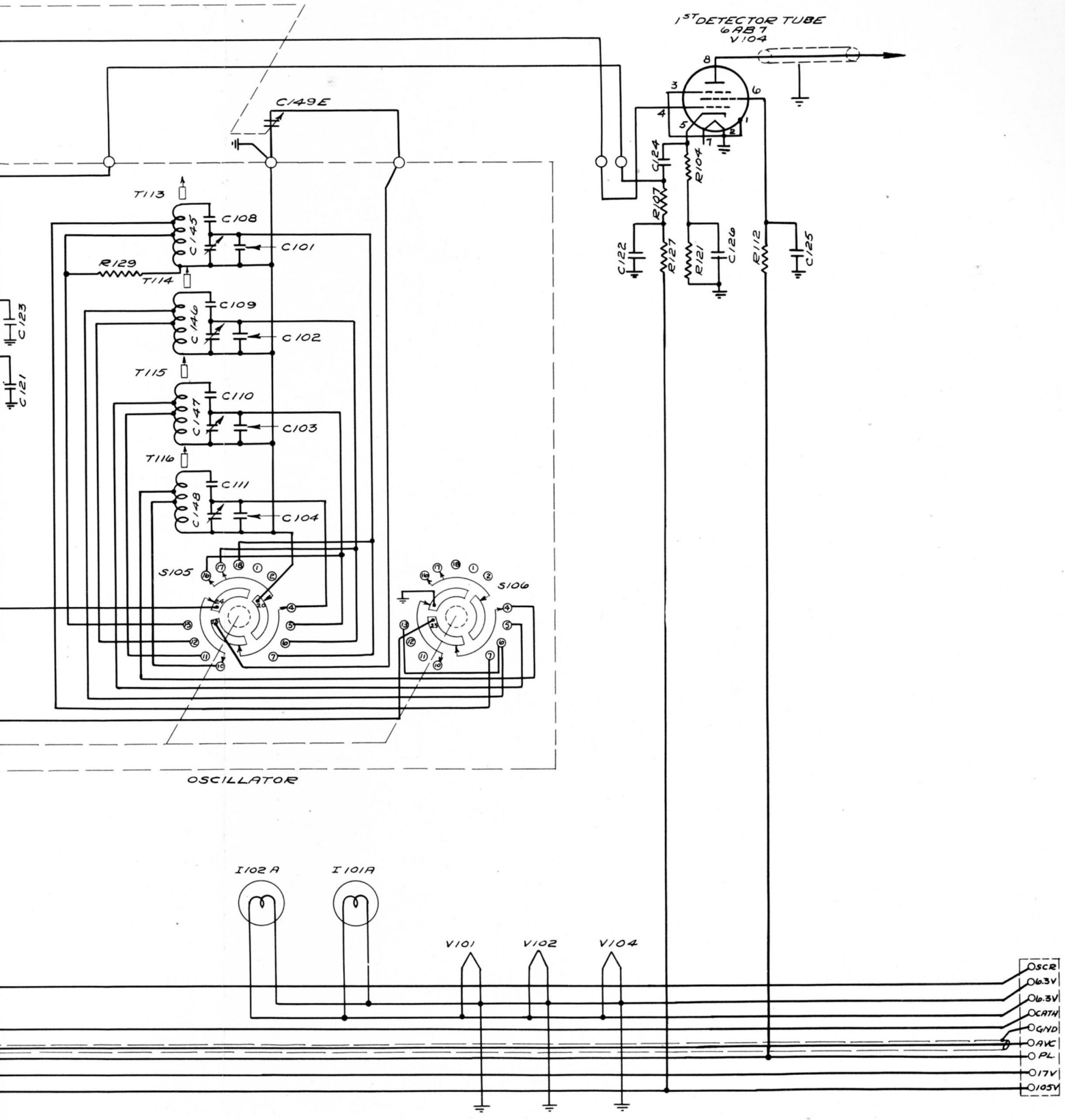
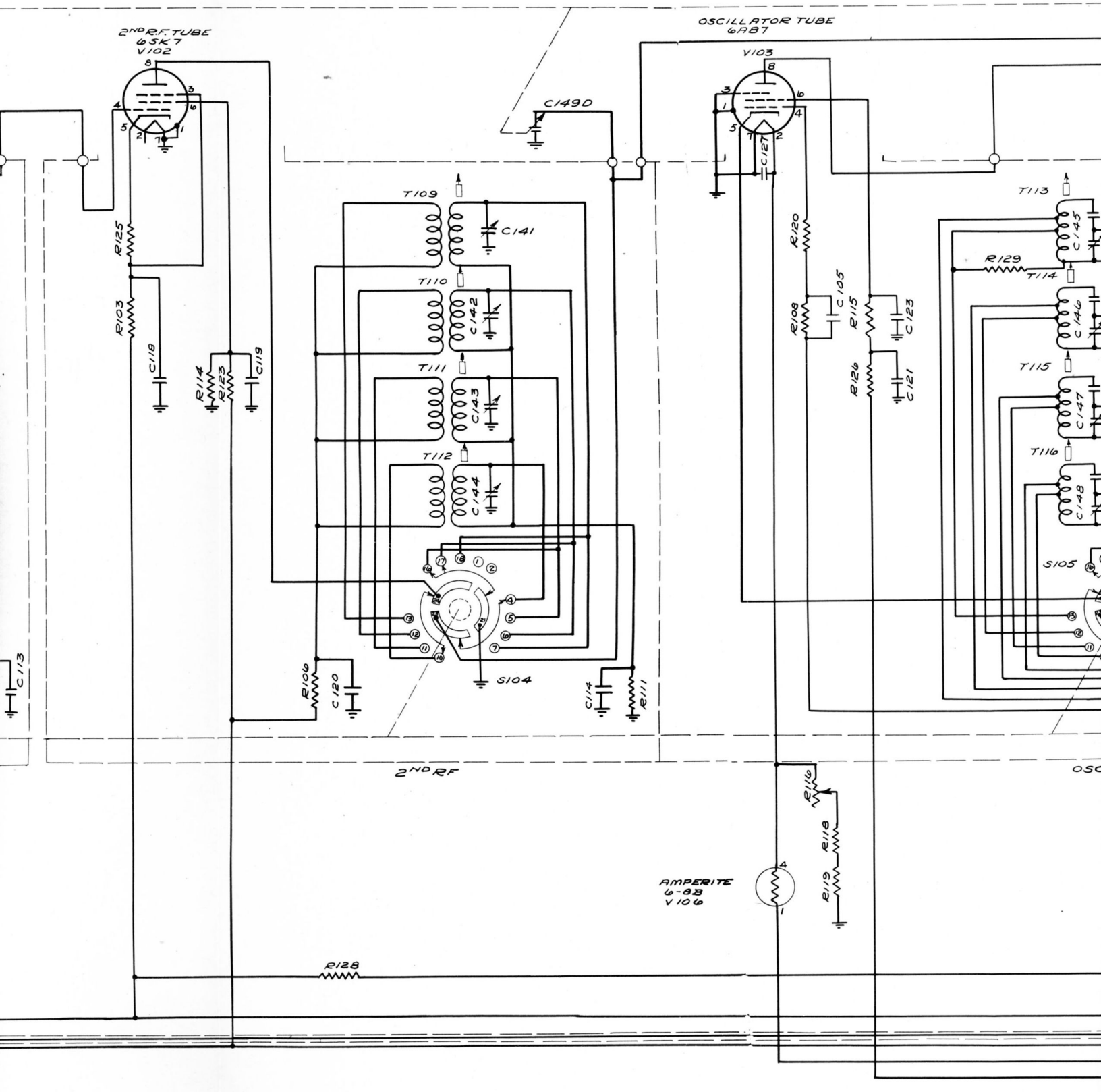
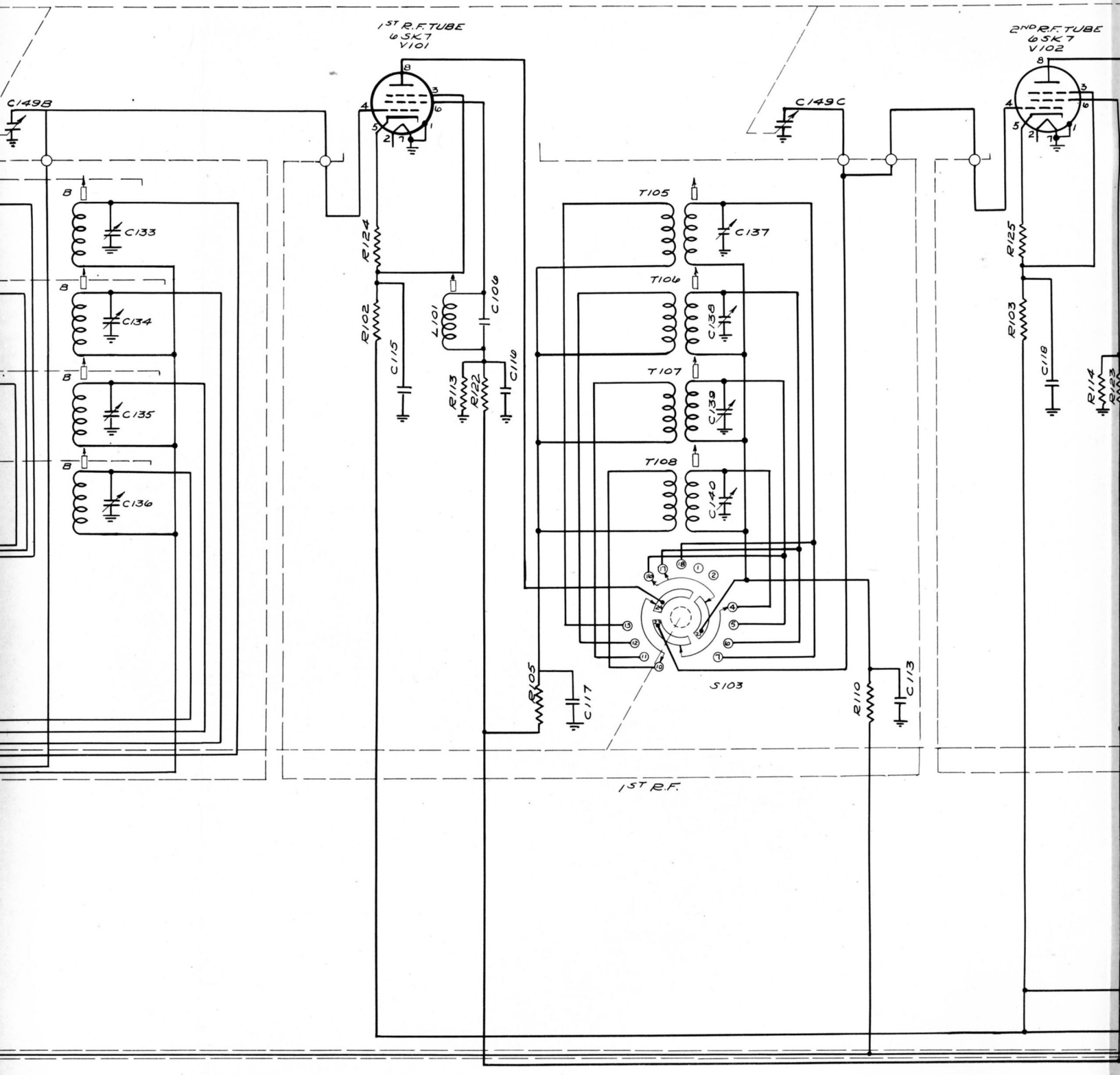
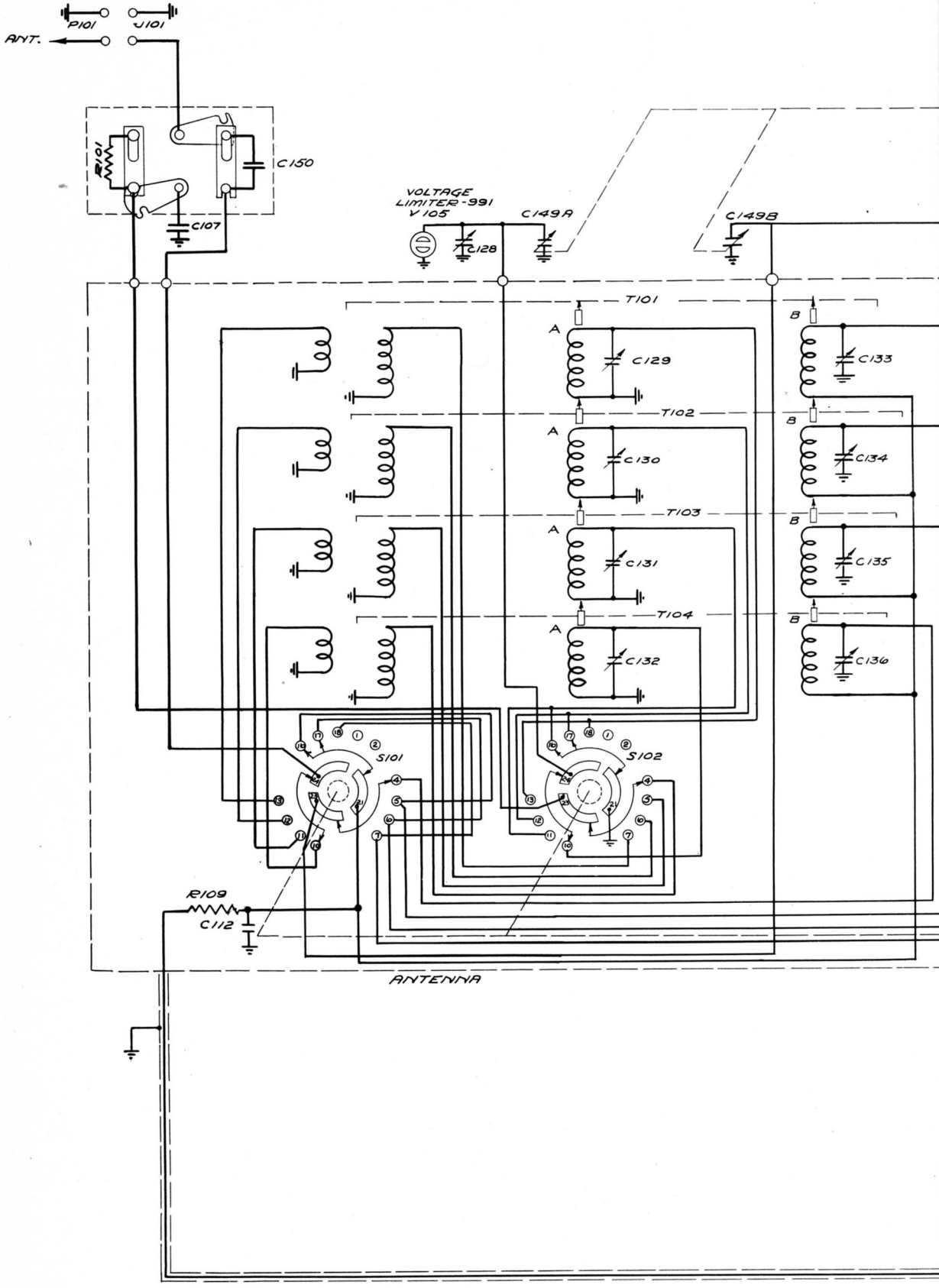


Figure 7-19 — Model RBB Radio Receiver, Preselector Unit (Schematic, TTX-262839)


2ND R.F. TUBE
6SK7
V102
OSCILLATOR TUBE
6AB7
V103
C1490
T109
C141
T110
C142
T111
C143
T112
C144
T113
C145
R129
T114
C146
T115
C147
T116
C148
S105
S104
R125
R103
C118
R114
R123
C119
R120
R108
C105
R115
C123
R126
C121
C127
R106
C120
C114
R111
C113
2ND RF
R116
R118
R119
AMPERITE
6-B3
V106
R128


1ST R.F. TUBE
6SK7
V101
2ND R.F. TUBE
6SK7
V102
C149B
C149C
B
C133
C134
C135
C136
R124
R102
C115
L101
C106
R113
R122
C110
T105
T106
T107
T108
C137
C138
C139
C140
S103
R105
C117
R110
C113
R125
R103
C118
R114
1ST R.F.


P101
J101
ANT.
R101
C150
C107
VOLTAGE LIMITER-991
V105
C128
C149A
C149B
T101
T102
T103
T104
A
B
C129
C130
C131
C132
C133
C134
C135
C136
S101
S102
R109
C112
ANTENNA

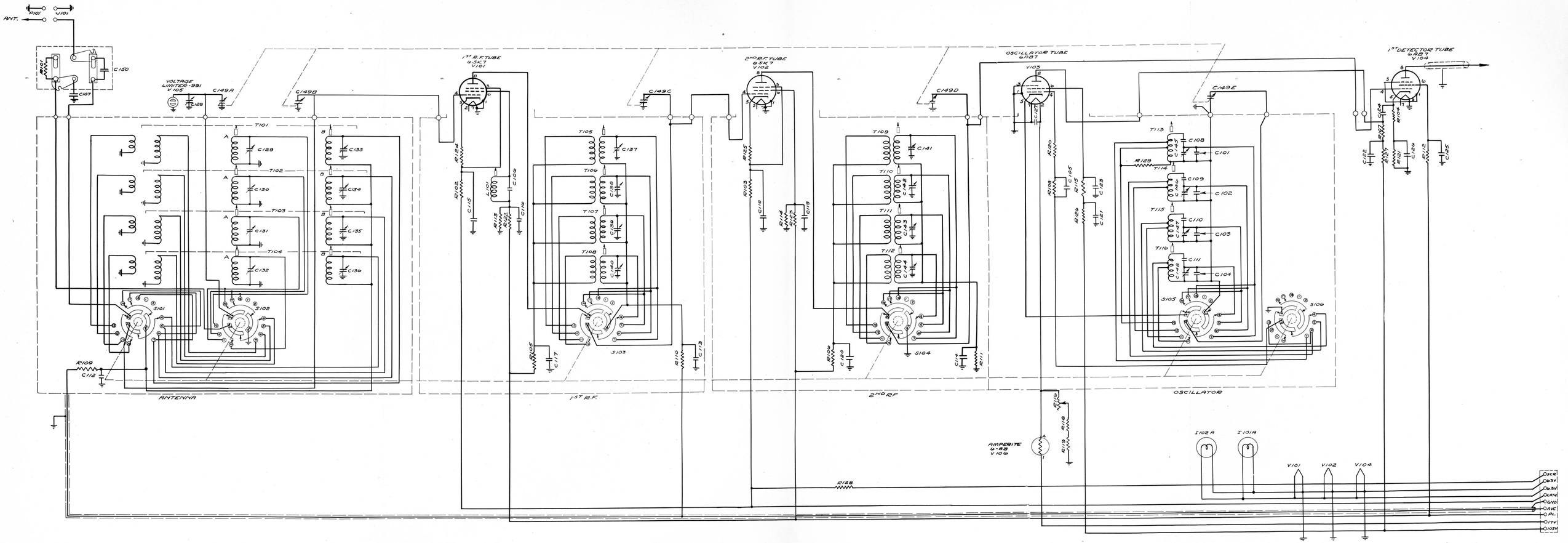
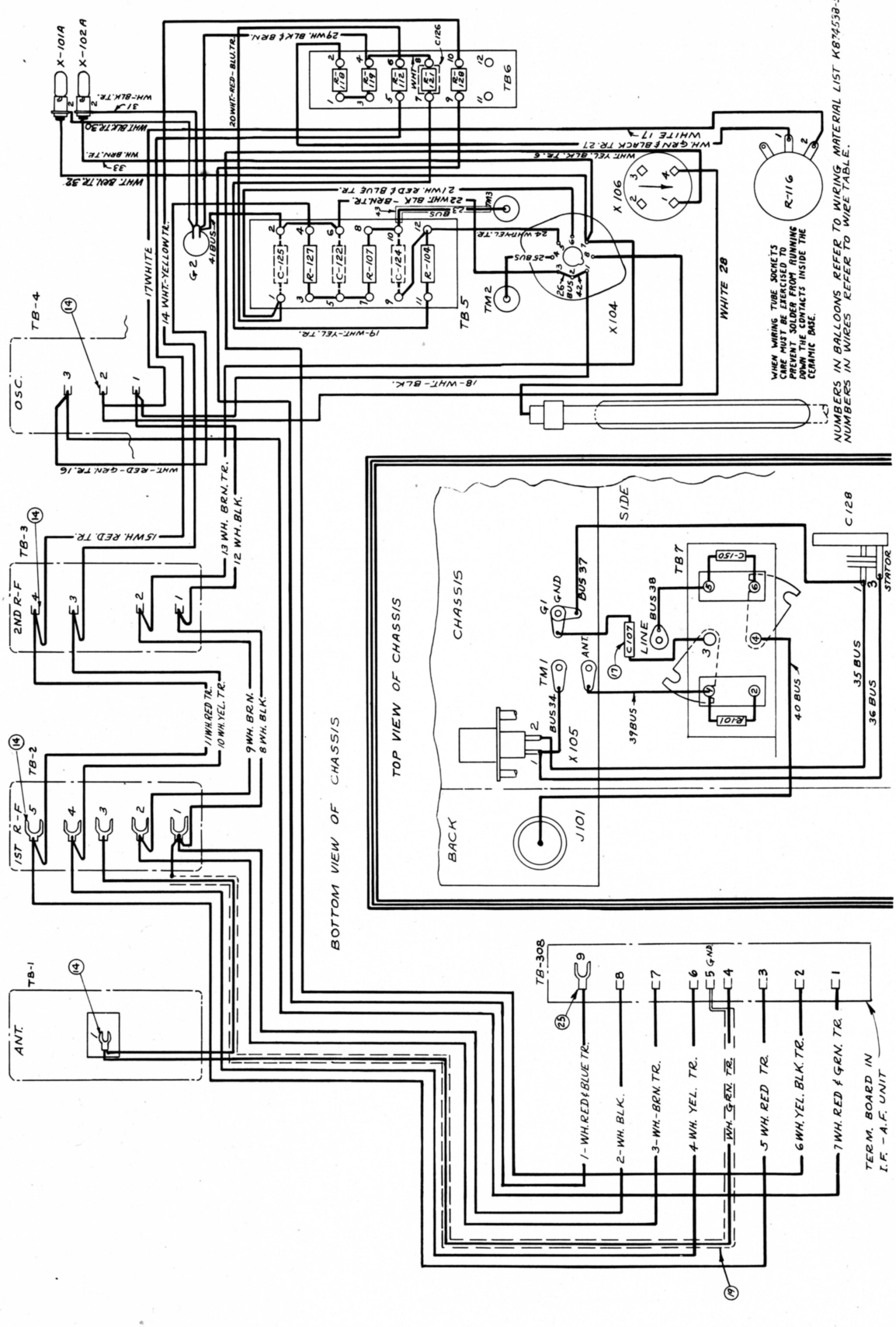


Figure 7-19 — Model RBB Radio Receiver, Preselector Unit (Schematic, TTX-262839)



NOTE: This dwg. applies to all RBB equipments except for the following differences:

a. For Models RBB (serial Nos. 1-125) and RBB-1 (serial Nos. 1-1000).
(1) TB308 is TB1; (2) Wire No. 32 is connected from X101-A, term. No. 1 to X104, term. No. 7; (3) Wire No. 30 is connected from X101-A, term. No. 2 to G2.

b. For Models RBB (serial Nos. 1-125), RBB-1 (serial Nos. 1-2839) and RBB-2 (Contract NXss-17001, serial Nos. 1-1000A).
(1) In wire table, K-874538 column, P-5 is P-20; (2) On C128 term. No. 3 is No. 2; (3) Wire No. 32 is connected from X101-A, term. No. 1 to X102-A, term. No. 1; (4) Wire No. 30 is connected from X101-A, term. No. 2 to X102-A, term. No. 2; (5) Wire No. 28 is connected from X106, term. No. 4 to R116, term. No. 2; (6) Bus No. 37 is connected to horizontal term. at G1; (7) Vertical term. at G1 is not used.

Figure 7-20 — Model RBB Radio Receiver, Preselector Unit (Connection Diagram, PX-273262)

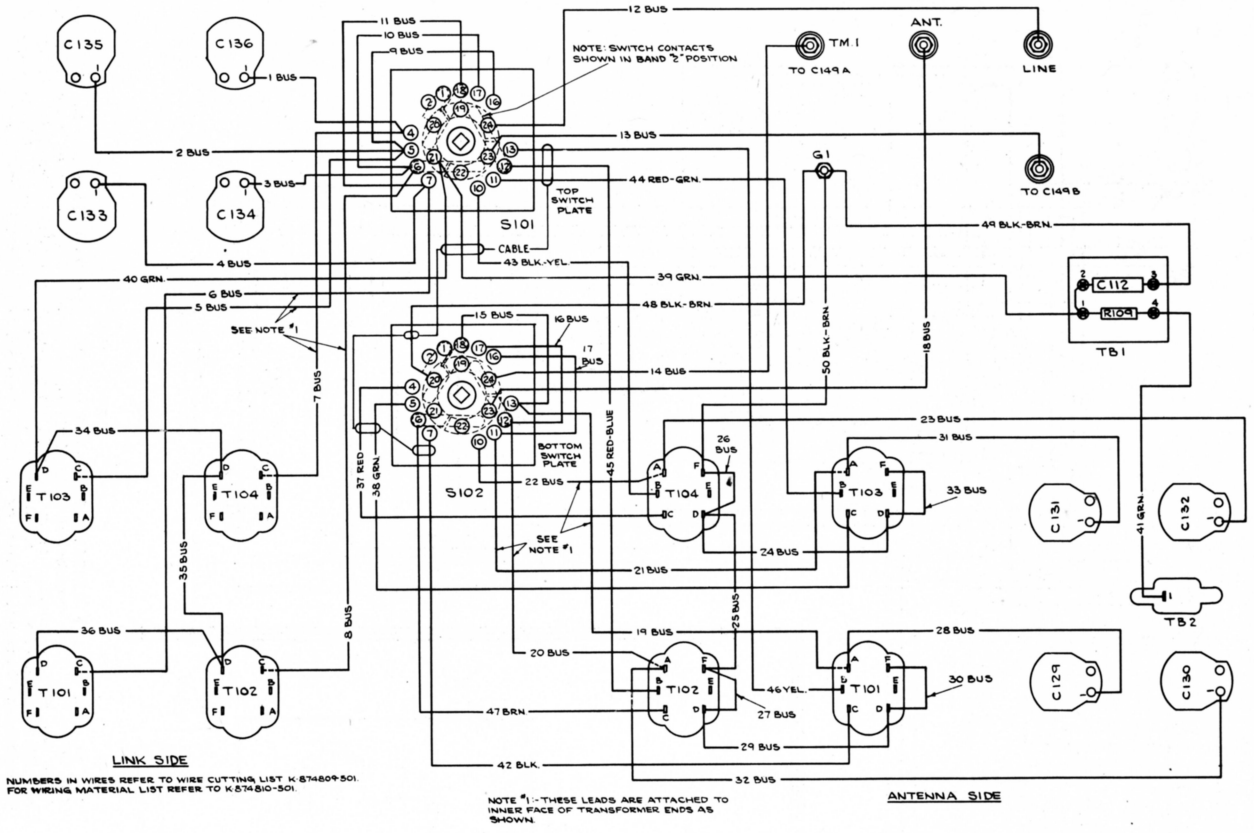


Figure 7-21 — Model RBB Radio Receiver, Antenna Box (Connection Diagram, P-721528)

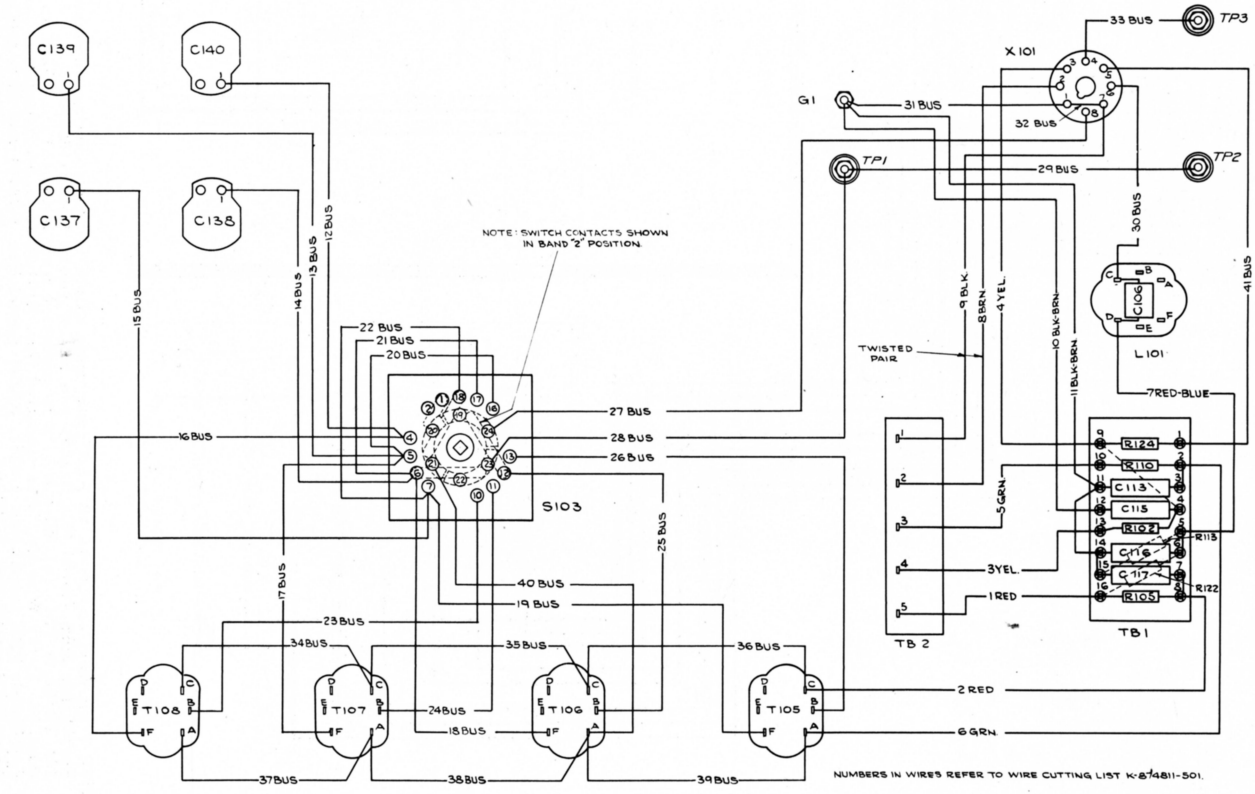


Figure 7-22 — Model RBB Radio Receiver, First R-F Box (Connection Diagram, P-721522)

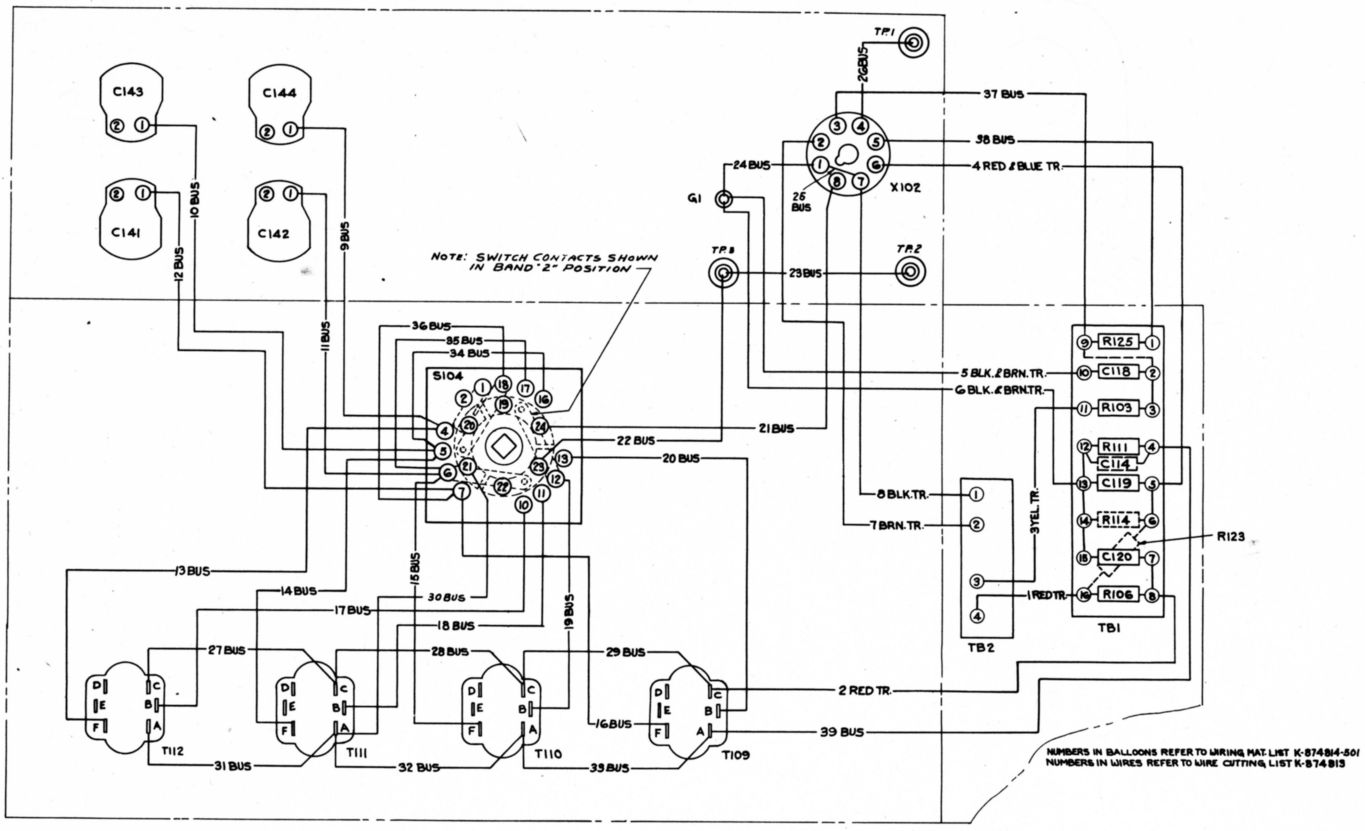


Figure 7-23 — Model RBB Radio Receiver, Second R-F Box (Connection Diagram, P-721530)

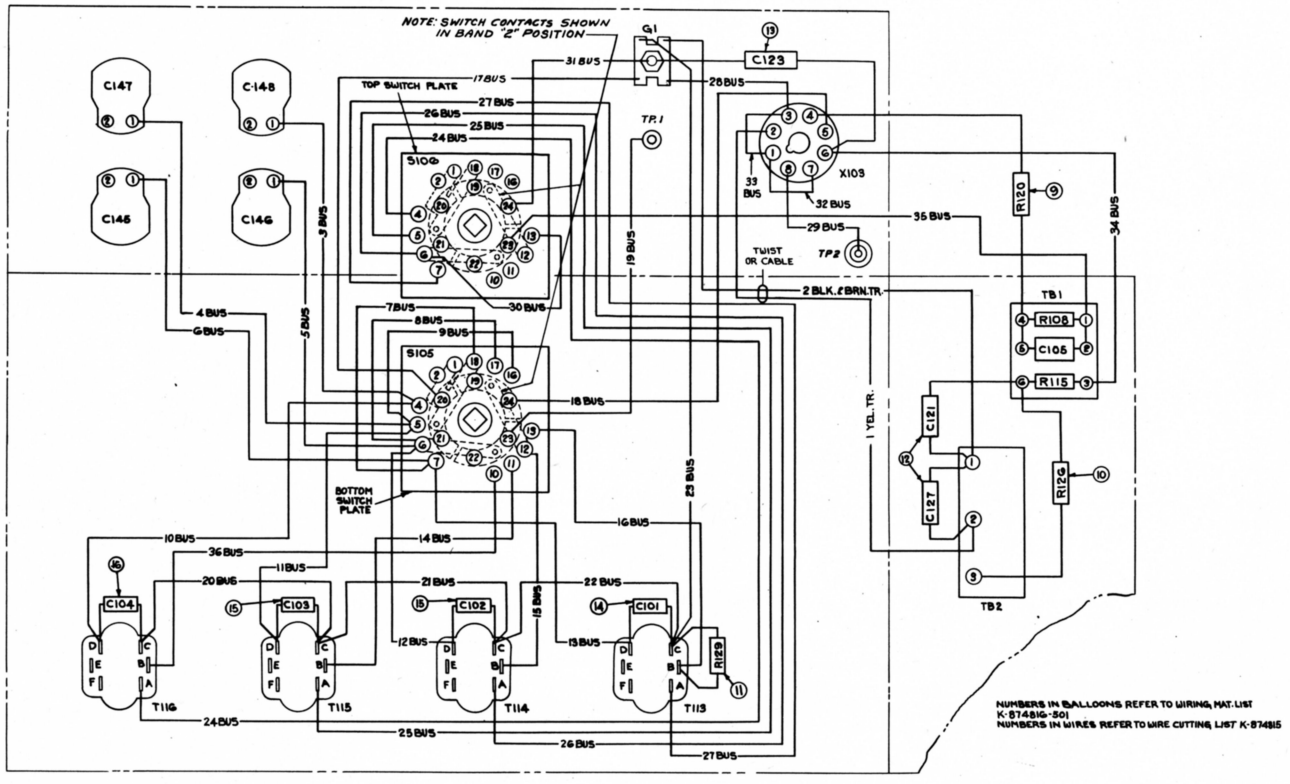


Figure 7-24 — Model RBB Radio Receiver, Oscillator Box (Connection Diagram, P-721527)

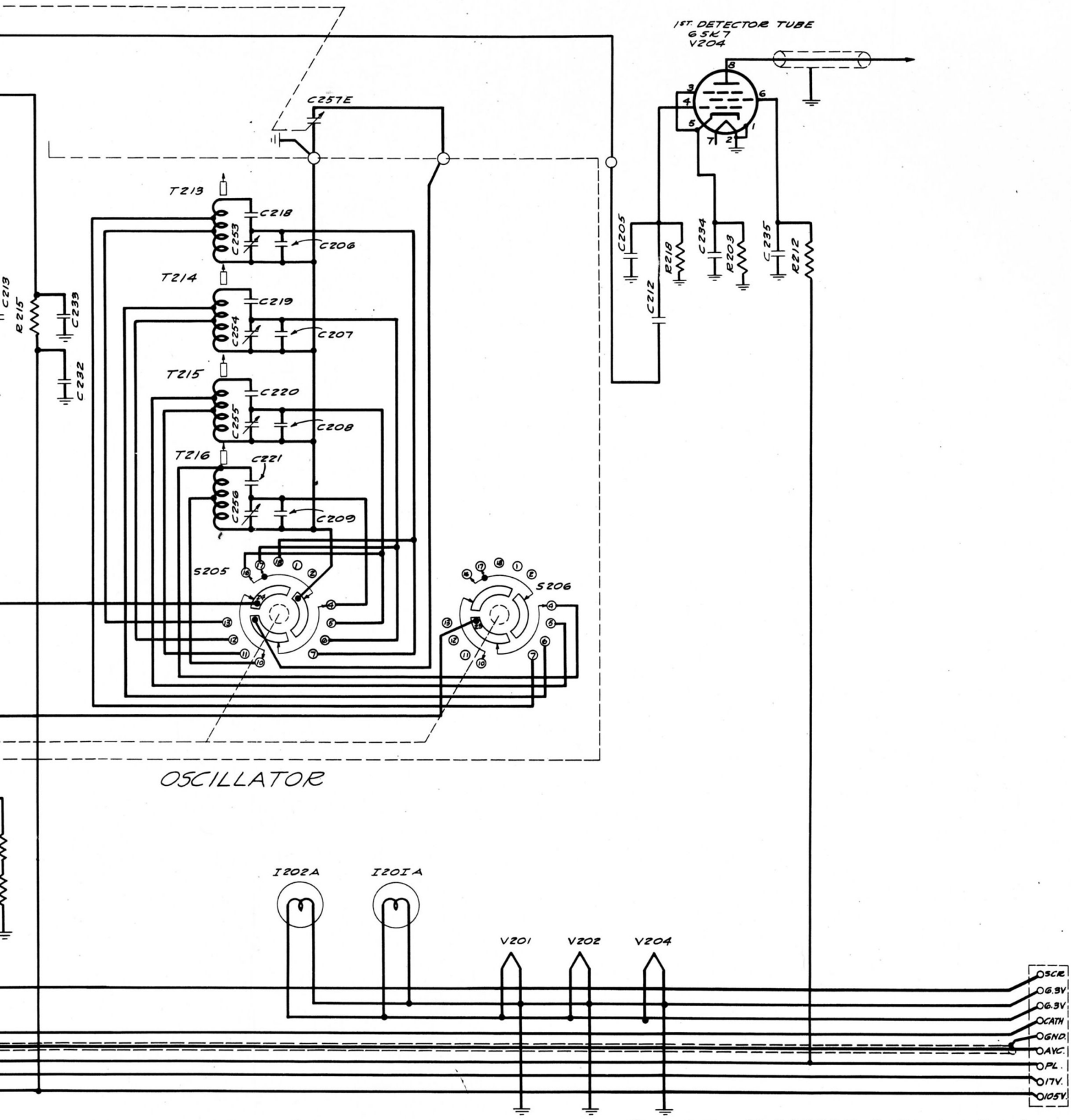
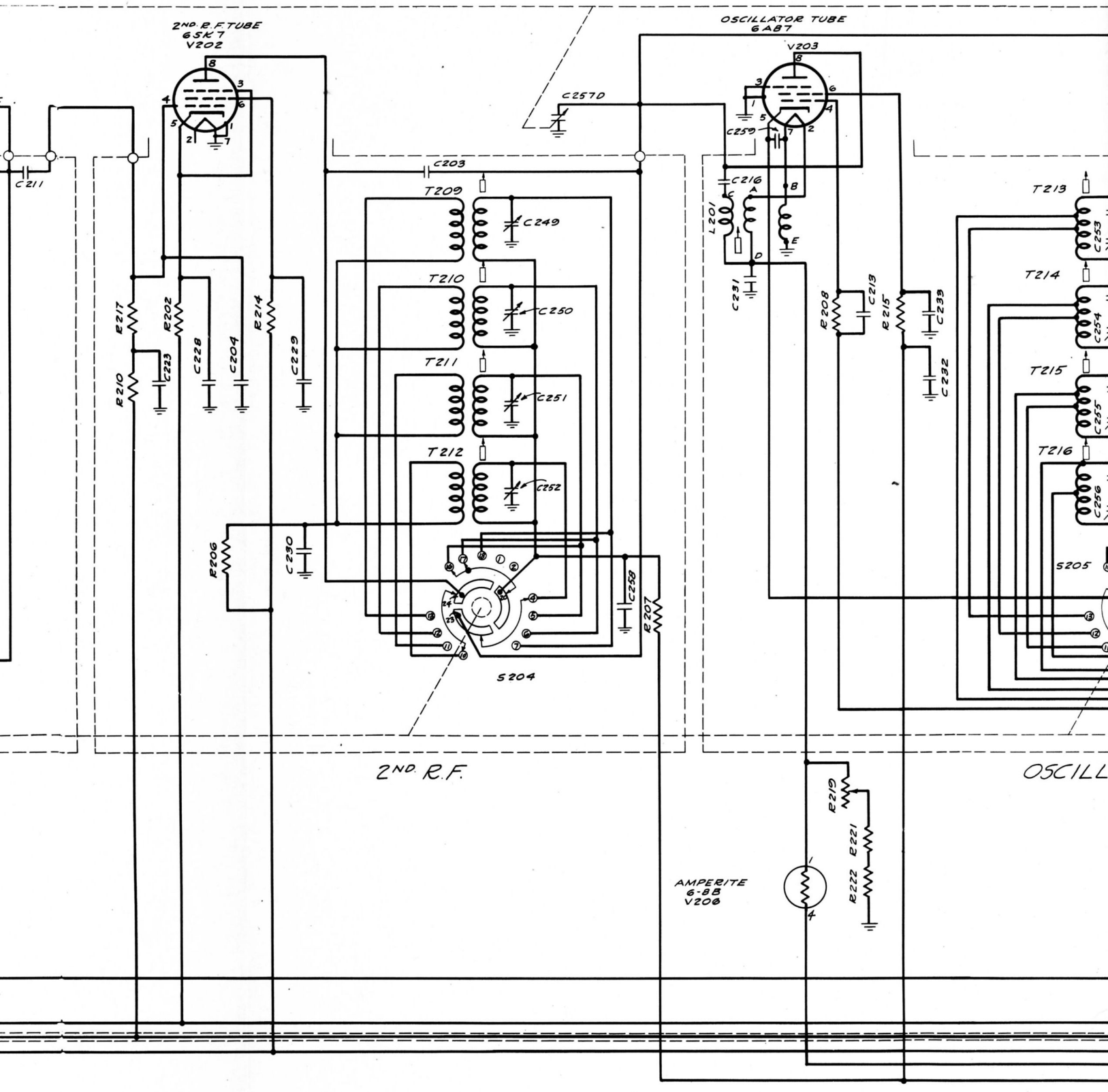
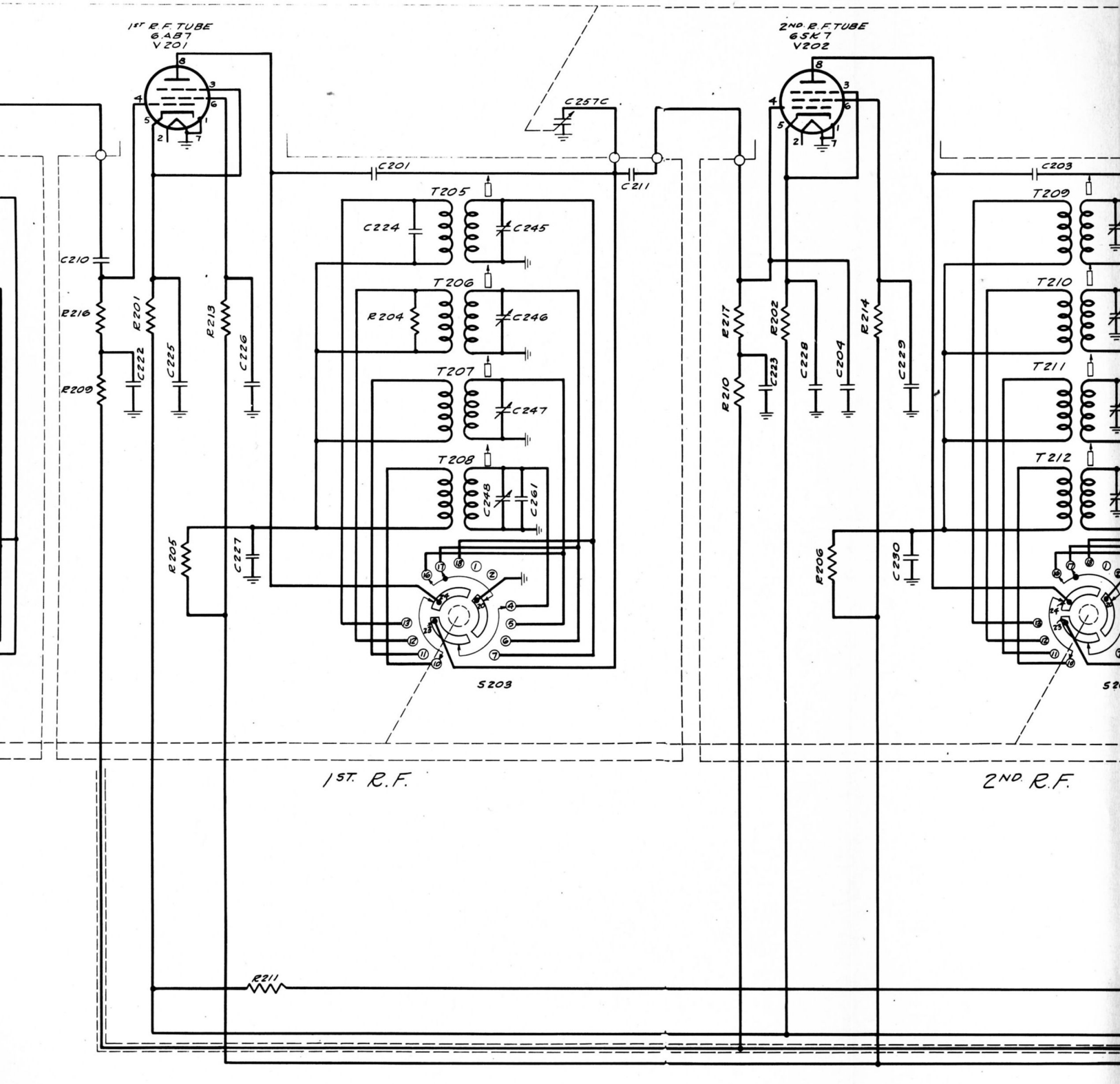
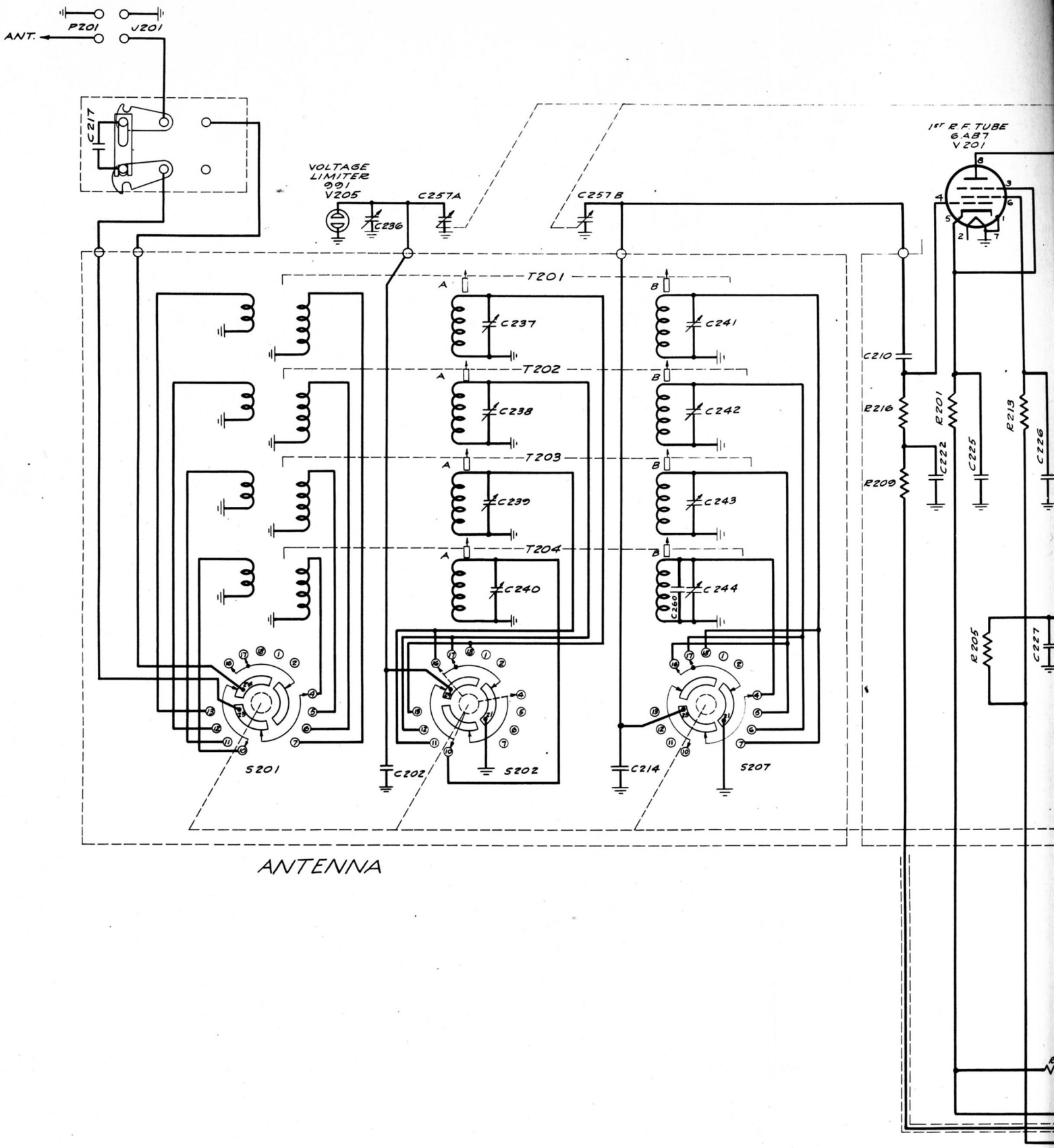


Figure 7-25 — Model RBC Radio Receiver, Preselector Unit (Schematic, TTX-262838)


2ND R.F. TUBE
6SK7
V202
OSCILLATOR TUBE
6AB7
V203
C257D
C259
C216
C203
T209
T210
T211
T212
C249
C250
C251
C252
L201
C231
R208
C213
R215
C239
C232
T213
T214
T215
T216
C253
C254
C255
C256
C211
R217
R202
R210
C223
C228
C204
R214
C229
R206
C290
C258
R207
5204
5205
2ND R.F.
OSCILL
R219
R221
R222
AMPERITE
6-B8
V206


1ST R.F. TUBE
6AB7
V201
2ND R.F. TUBE
6SK7
V202
C257C
C201
C211
C203
T205
T206
T207
T208
T209
T210
T211
T212
C224
C245
C246
C247
C248
C261
R204
C210
R216
R209
R201
C222
C225
R213
C226
R205
C227
R217
R210
C223
R202
C228
C204
R214
C229
R206
C230
S203
R211
1ST R.F.
2ND R.F.


ANT.
P201
J201
C217
VOLTAGE LIMITER 991 V205
C257A
C257B
1ST R.F. TUBE 6AB7 V201
T201
T202
T203
T204
A
B
C237
C238
C239
C240
C241
C242
C243
C244
C260
C210
R216
R209
R201
C222
C225
R213
C226
R205
C227
C236
C202
C214
S201
S202
S207
ANTENNA

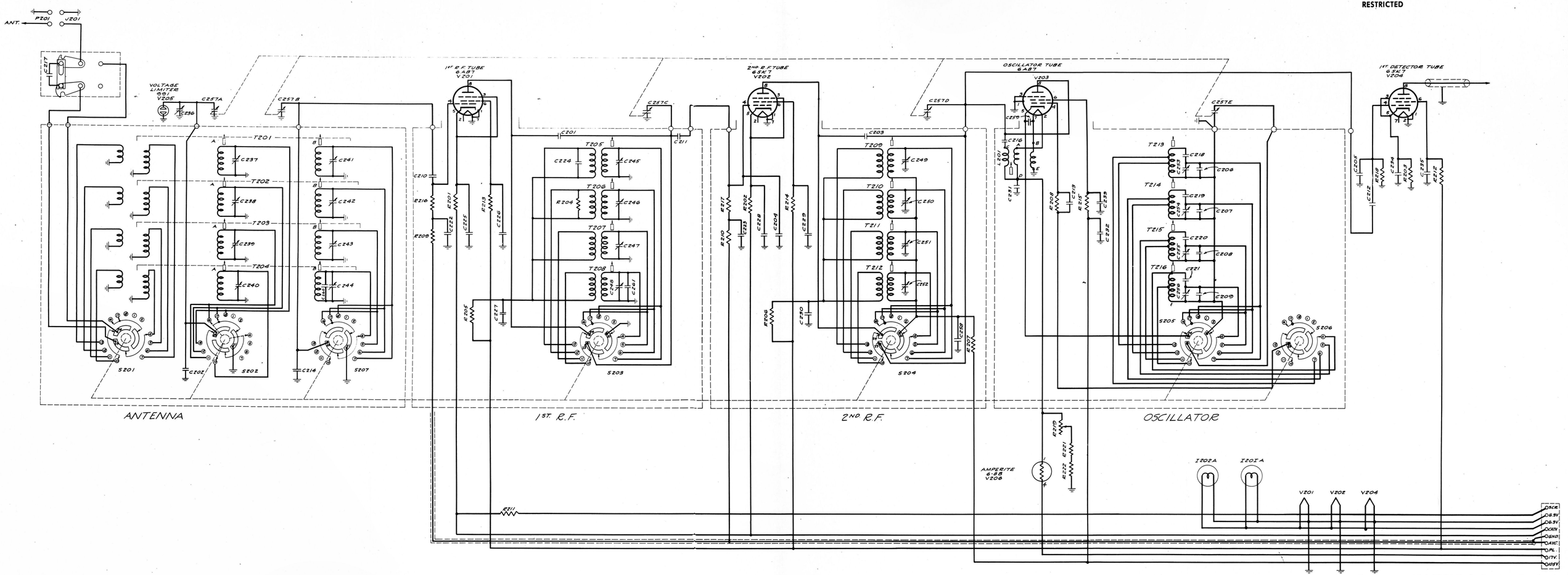
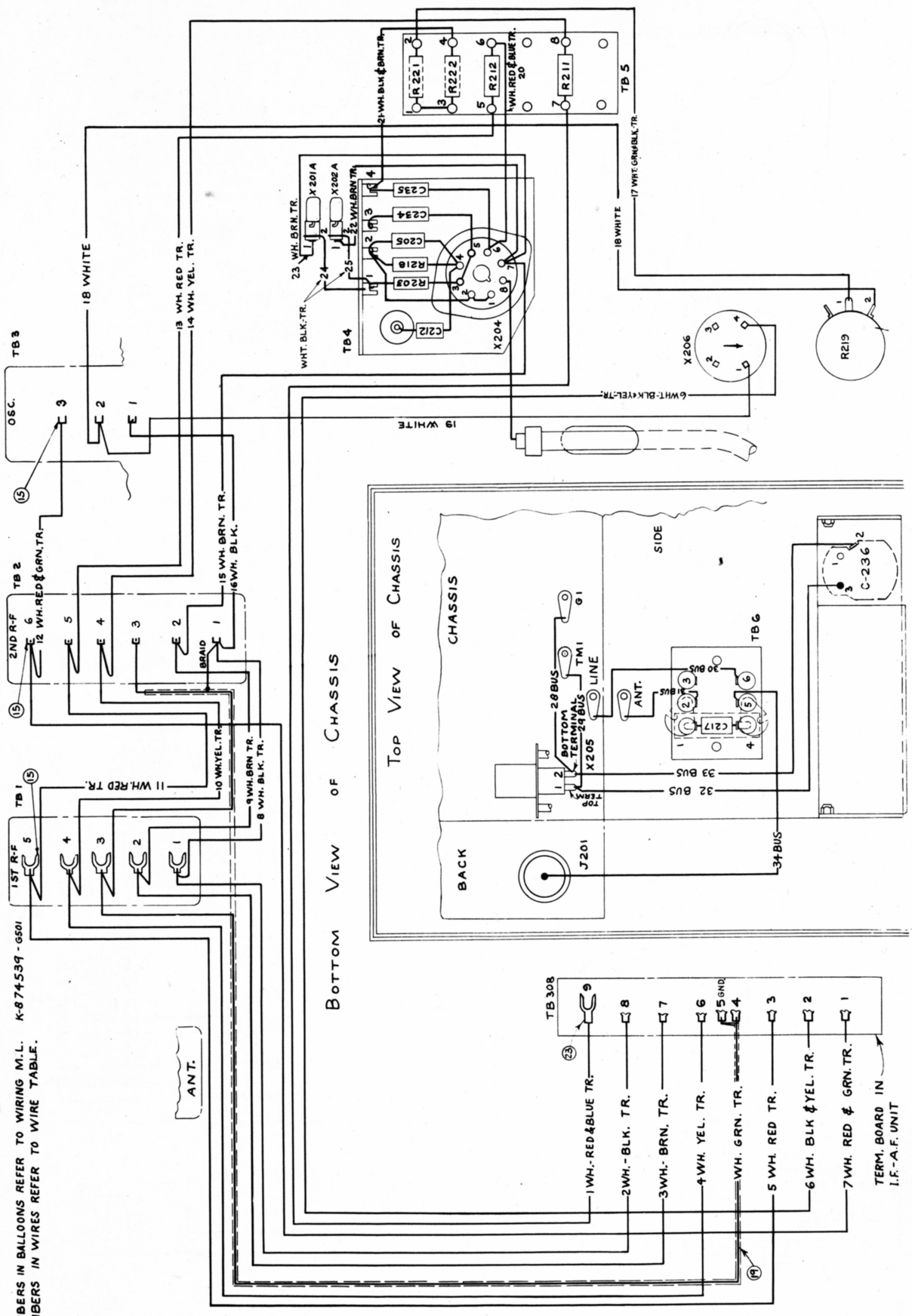


Figure 7-25 — Model RBC Radio Receiver, Preselector Unit (Schematic, TTX-262838)



NOTE: This dwg. applies to all RBC equipments except for the following differences:

a. For Models RBC (serial Nos. 1-125) and RBC-1 (serial Nos. 1-1000).
(1) TB308 is TB1; (2) Wire No. 23 is connected from X204, term. No. 7 to X201-A, term. No. 1; (3) Wire No. 24 is connected from X201-A, term. No. 2 to TB4 term. No. 1.

b. For Models RBC (serial Nos. 1-125), RBC-1 (serial Nos. 1-2839), and RBC-2 (Contract NXss-17001, serial Nos. 1012).
(1) Wire No. 23 is connected from X201-A, term. No. 1 to X202-A, term. No. 1; (2) Wire No. 24 is connected from X201-A, term No. 2 to X202-A, term. No. 2; (3) Wire No. 19 is connected from R219, term. No. 2 to X206, term. No. 1; (4) Wire No. 32 is connected to C236, term. No. 1.

Figure 7-26 — Model RBC Radio Receiver, Preselector Unit (Connection Diagram, PX-273261)

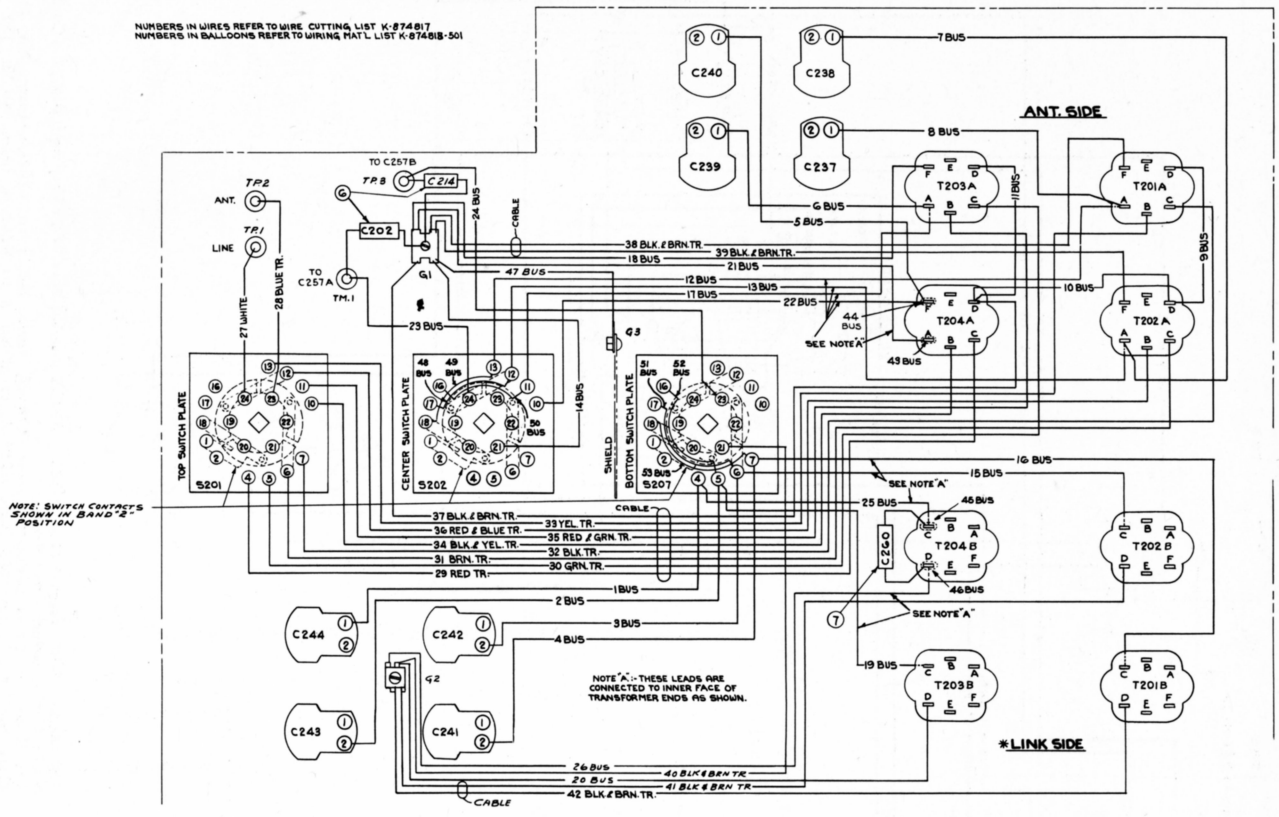


Figure 7-27 — Model RBC Radio Receiver, Antenna Box (Connection Diagram, P-721520)

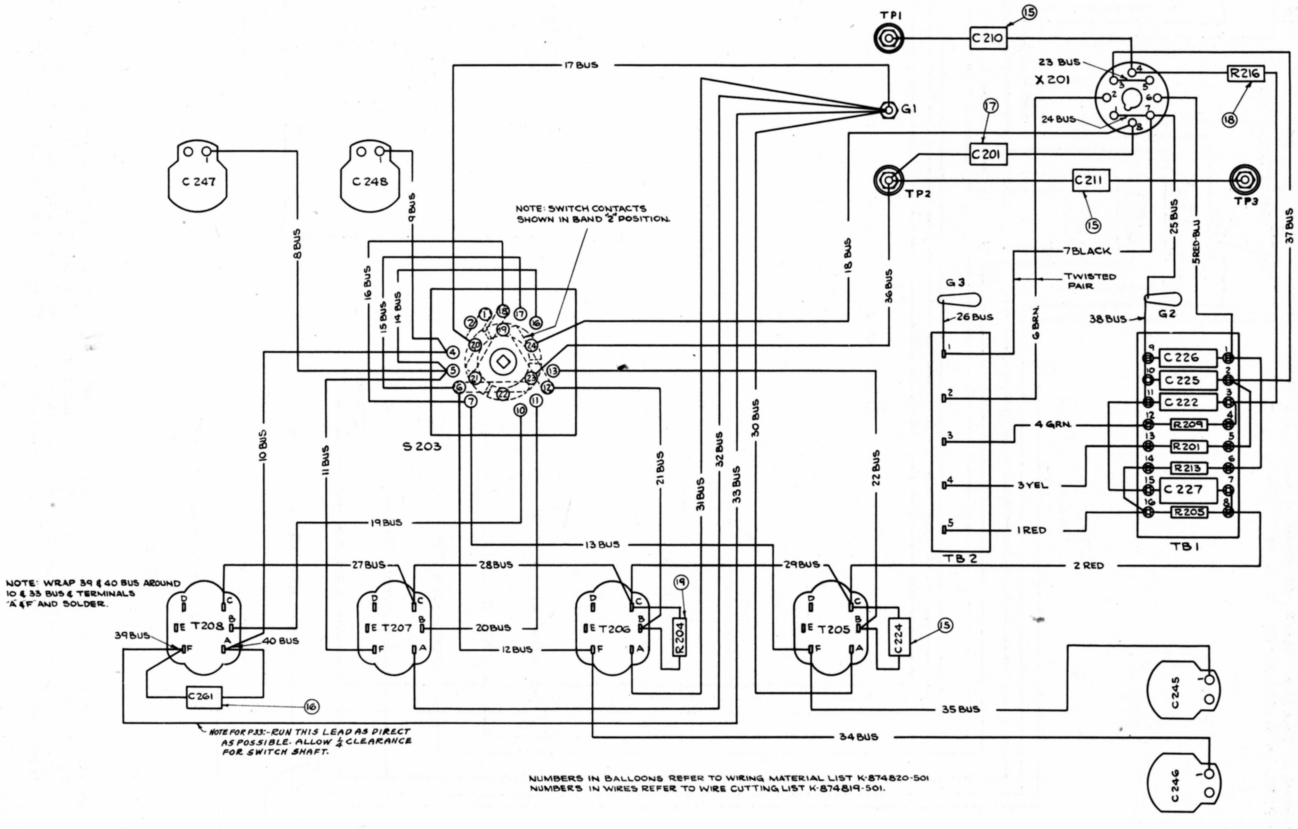


Figure 7-28 — Model RBC Radio Receiver, First R-F Box (Connection Diagram, P-721519)

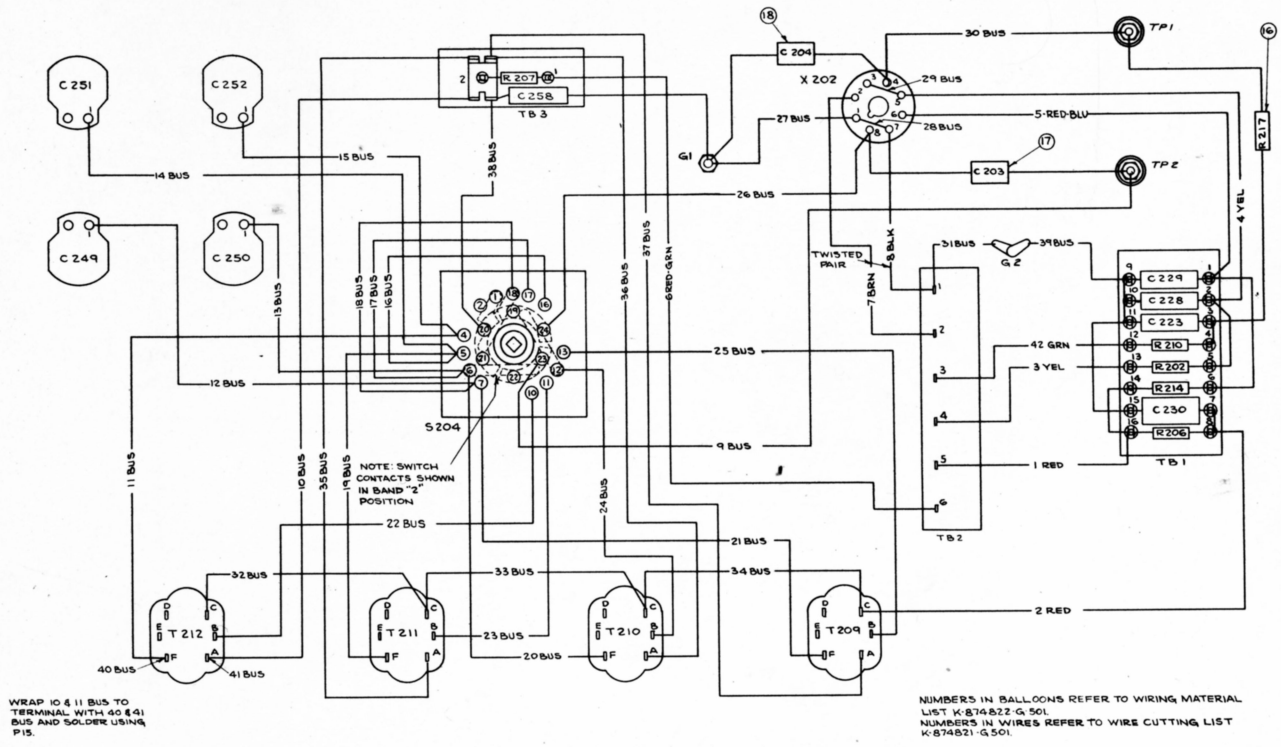


Figure 7-29 — Model RBC Radio Receiver, Second R-F Box (Connection Diagram, P-721517)

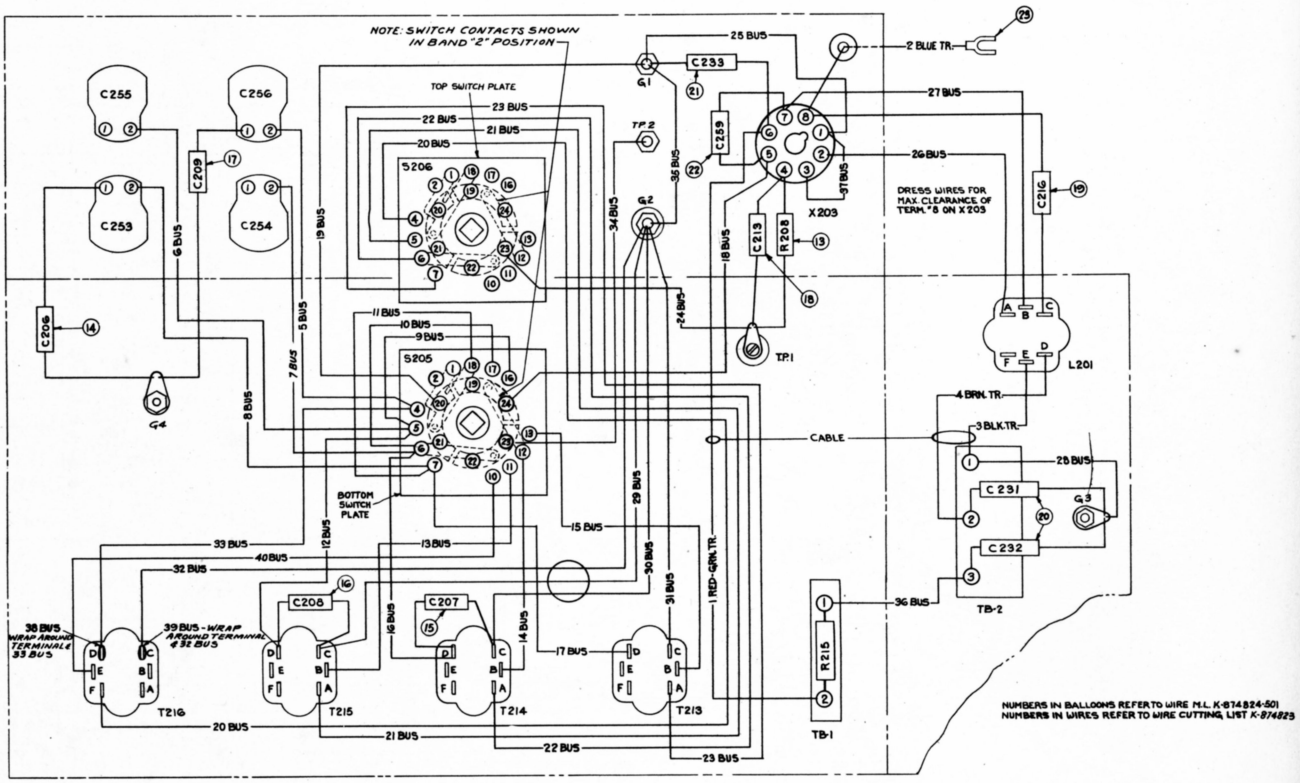
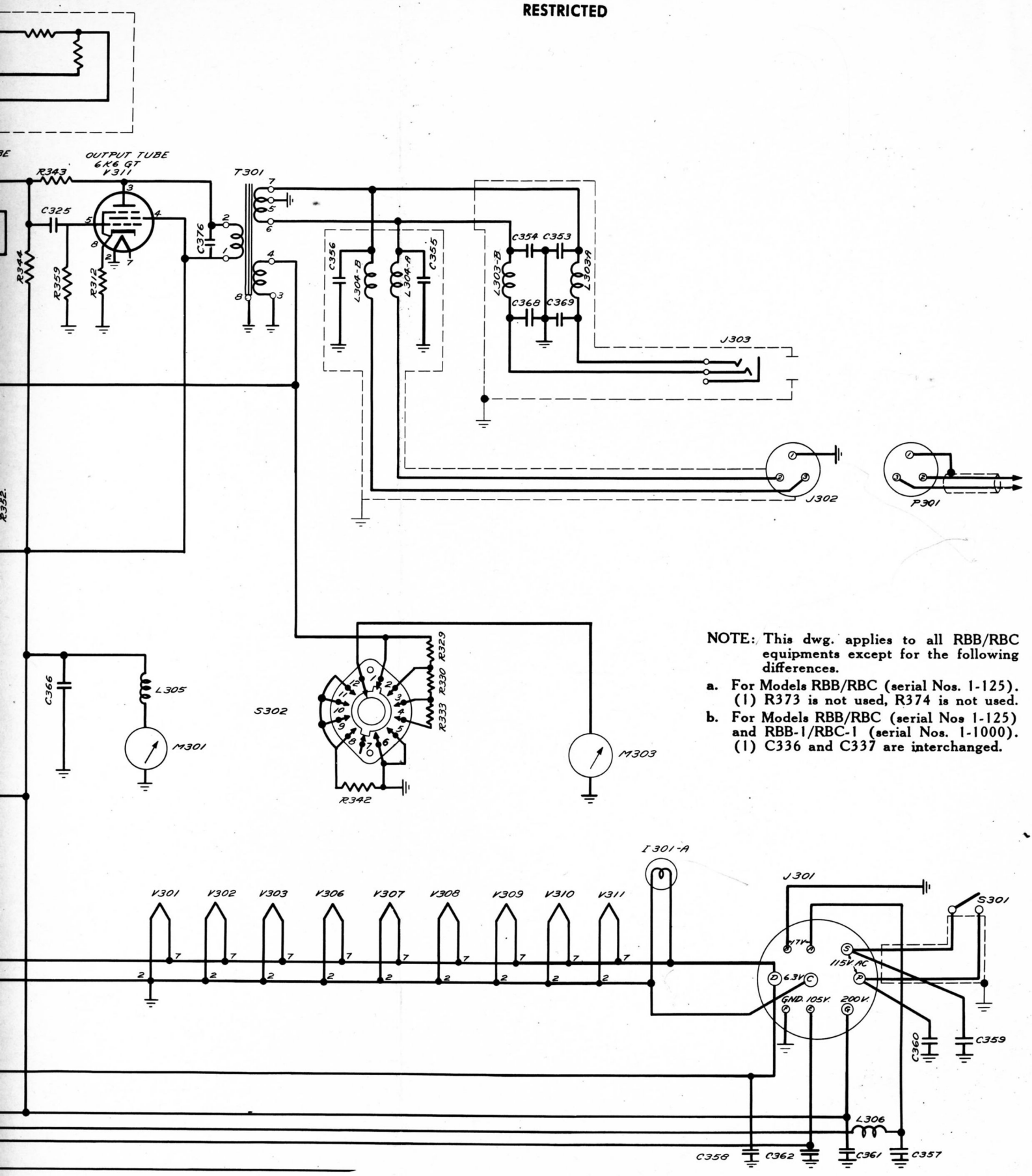


Figure 7-30 — Model RBC Radio Receiver, Oscillator Box (Connection Diagram, P-721518)

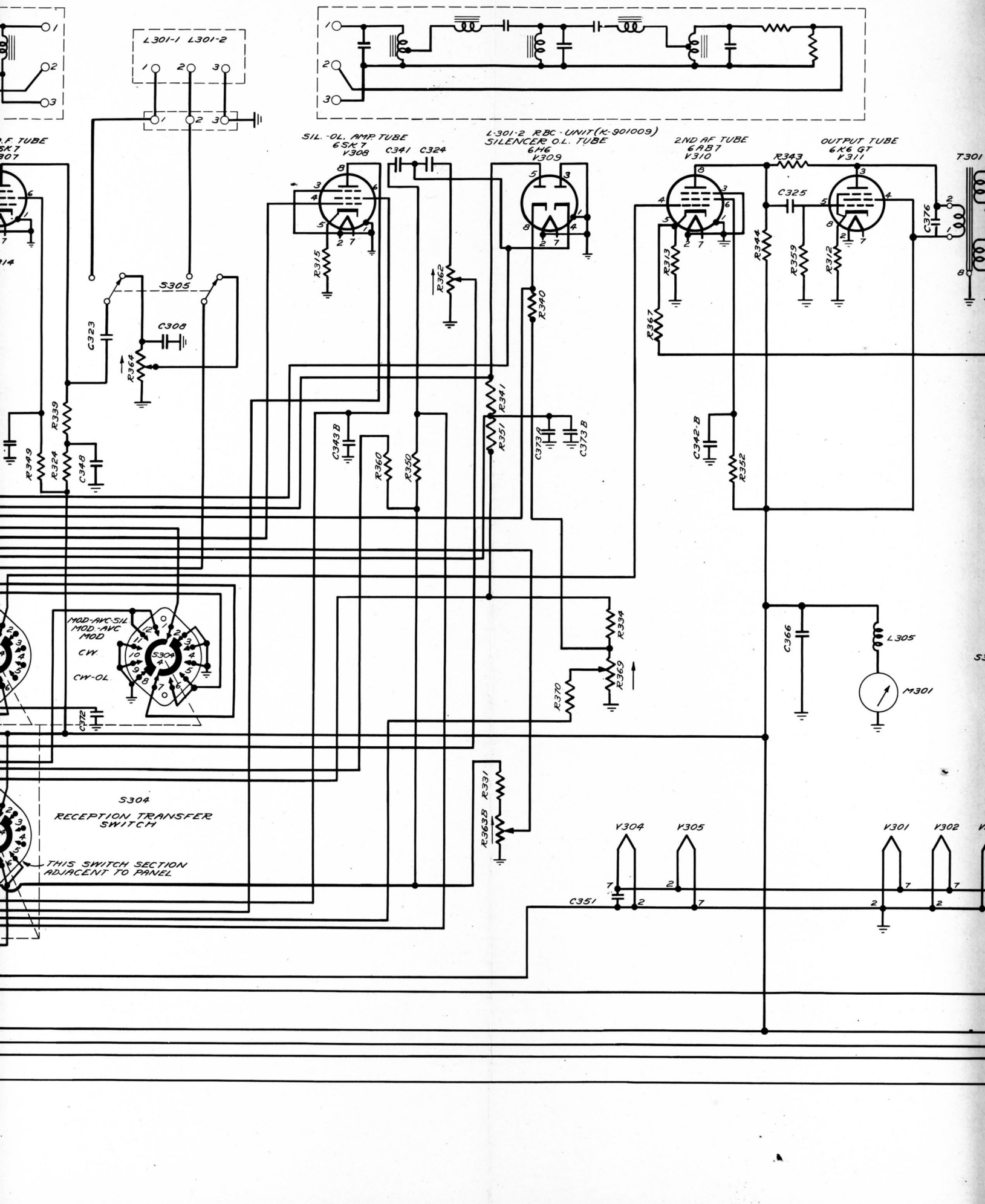


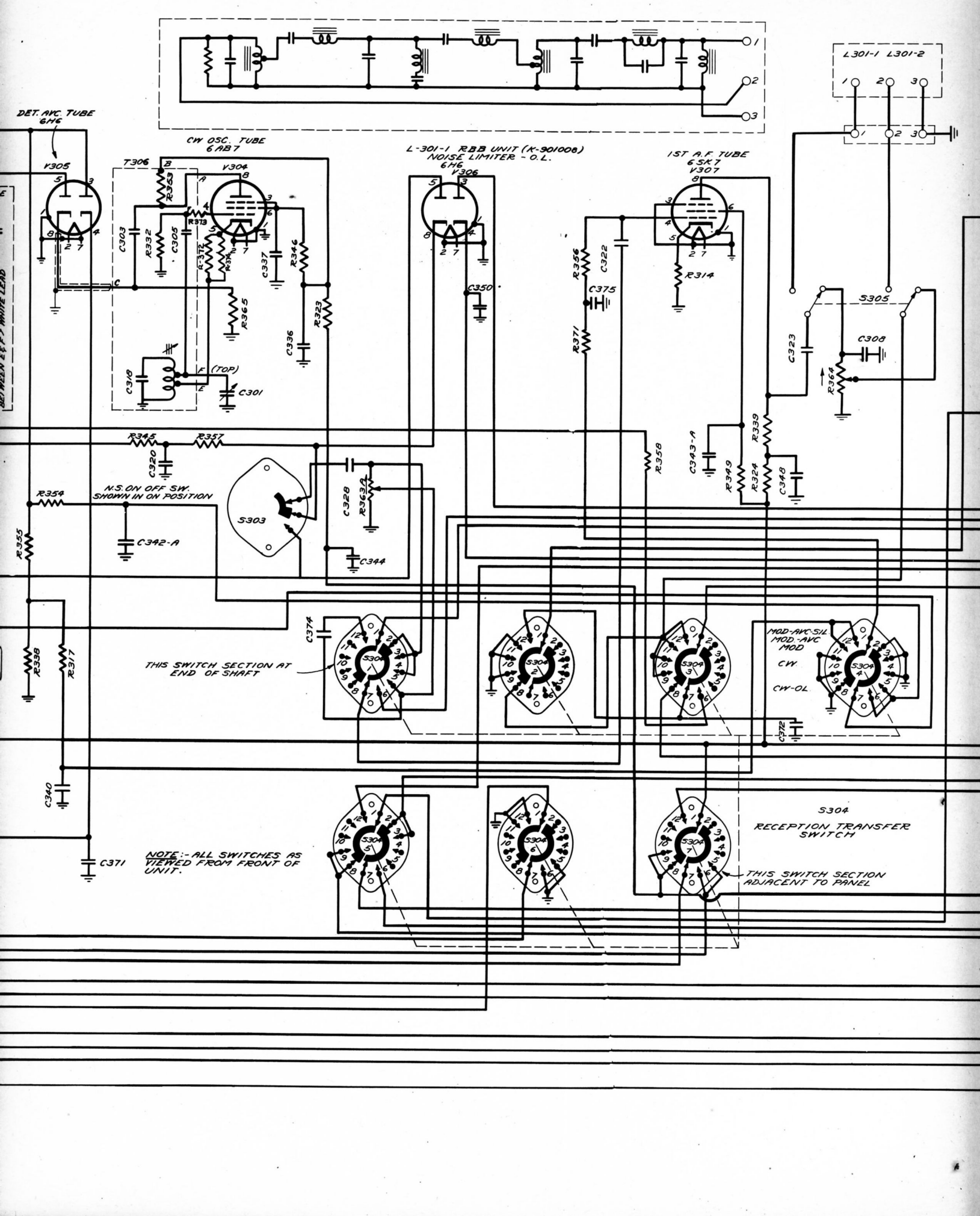
NOTE: This dwg. applies to all RBB/RBC equipments except for the following differences.

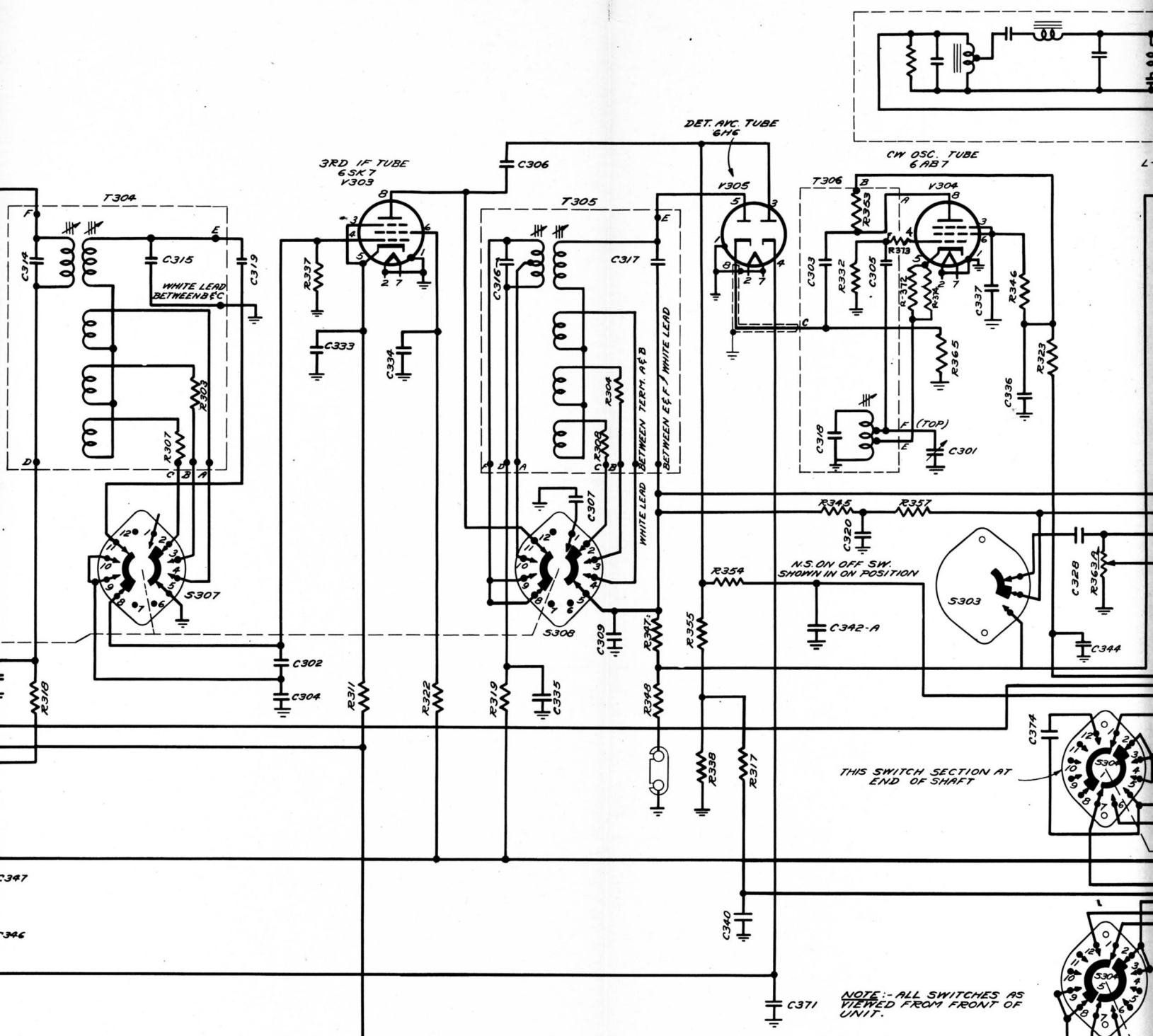
a. For Models RBB/RBC (serial Nos. 1-125). (1) R373 is not used, R374 is not used.

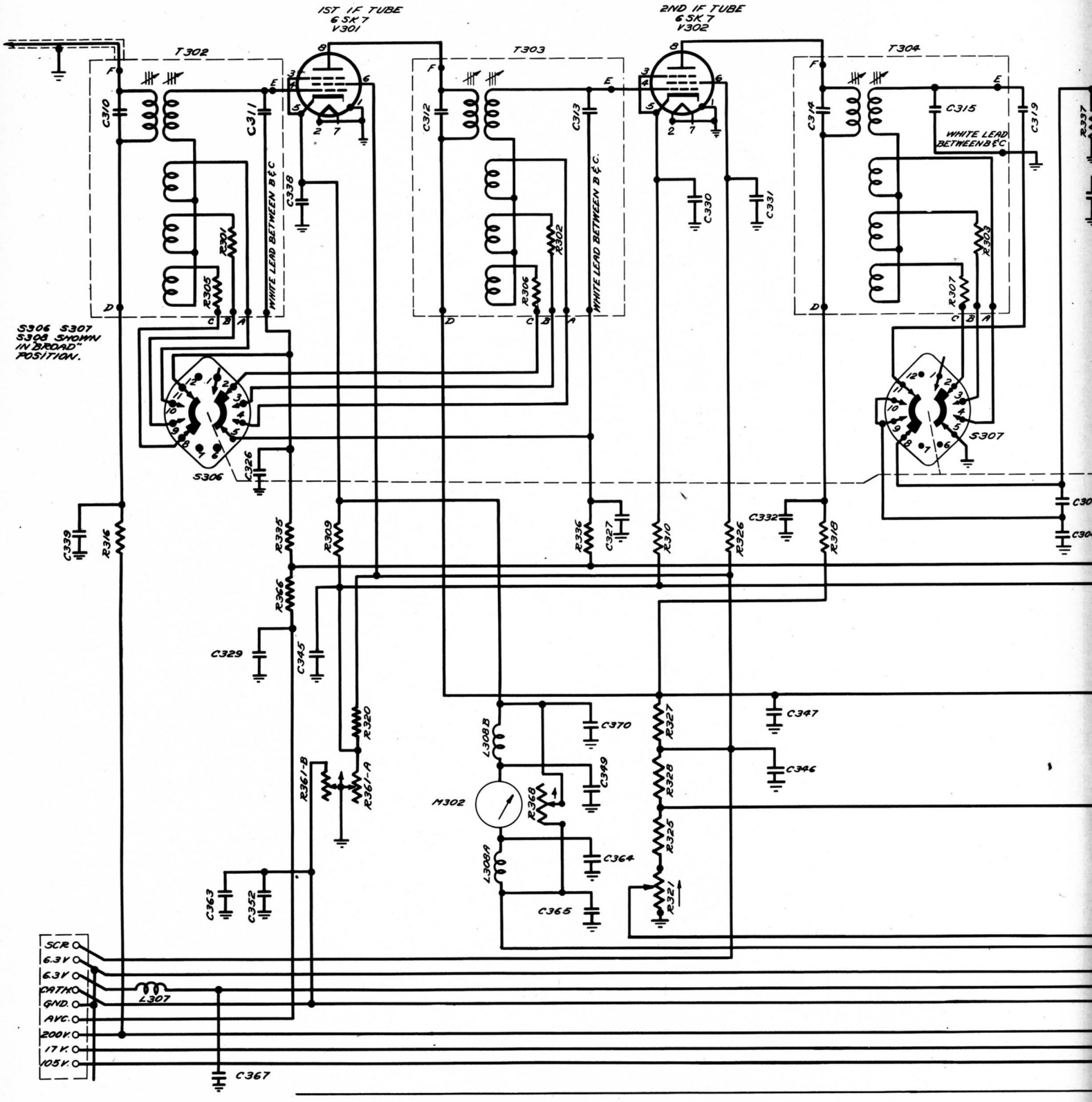
b. For Models RBB/RBC (serial Nos 1-125) and RBB-1/RBC-1 (serial Nos. 1-1000). (1) C336 and C337 are interchanged.

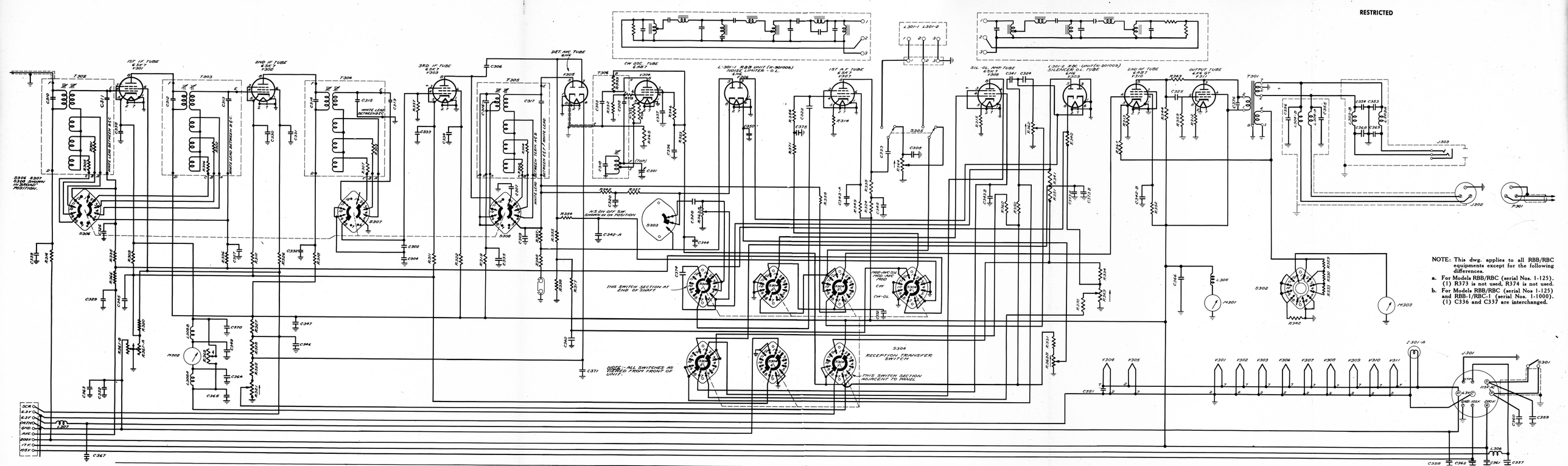
Figure 7-31 — Models RBB/RBC Radio Receivers, I-F/A-F Unit (Schematic, TTX-262842)


L301-1 L301-2
SIL.-OL. AMP TUBE 6SK7 V308
L-301-2 RBC-UNIT(K-901009) SILENCER O.L. TUBE 6H6 V309
2ND AF TUBE 6AB7 V310
OUTPUT TUBE 6K6 GT V311
T301
S305
S304
MOD-AVC-SIL
MOD-AVC
MOD
CW
CW-OL
S304
RECEPTION TRANSFER SWITCH
THIS SWITCH SECTION ADJACENT TO PANEL
C323
C308
C341
C324
C325
C376
C372
C343 B
C373 A
C373 B
C342-B
C366
C351
R364
R339
R349
R324
C348
R315
R362
R340
R341
R351
R360
R350
R313
R367
R344
R359
R312
R343
R334
R369
R370
R363B
R331
L305
M301
V304
V305
V301
V302


DET. AVC. TUBE 6H6
V305
CW OSC. TUBE 6AB7
T306
V304
L-301-1 R.B.B. UNIT (K-901008) NOISE LIMITER - O.L.
6H6
V306
1ST A.F. TUBE 6SK7
V307
L301-1 L301-2
S305
S303
N.S. ON OFF SW. SHOWN IN ON POSITION
THIS SWITCH SECTION AT END OF SHAFT
MOD-AVC-SIL
MOD-AVC
MOD
CW
CW-OL
S304
RECEPTION TRANSFER SWITCH
THIS SWITCH SECTION ADJACENT TO PANEL
NOTE:- ALL SWITCHES AS VIEWED FROM FRONT OF UNIT.
BETWEEN E & F WHITE LEAD
(TOP)


T304
T305
T306
3RD IF TUBE 6SK7 V303
DET. AVC. TUBE 6H6
V305
CW OSC. TUBE 6AB7
V304
WHITE LEAD BETWEEN B & C
WHITE LEAD BETWEEN E & F / WHITE LEAD BETWEEN TERM. A & B
S307
S308
S303
S304
N.S. ON OFF SW. SHOWN IN ON POSITION
THIS SWITCH SECTION AT END OF SHAFT
(TOP)
NOTE:- ALL SWITCHES AS VIEWED FROM FRONT OF UNIT.
C301
C302
C303
C304
C305
C306
C307
C309
C311
C314
C315
C316
C317
C319
C320
C322
C323
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C332
C333
C334
C335
C336
C337
C340
C342-A
C344
C346
C347
C348
C371
C374
R303
R304
R305
R307
R310
R311
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R1000


1ST IF TUBE
6SK7
V301
2ND IF TUBE
6SK7
V302
T302
T303
T304
C310
C311
C312
C313
C314
C315
C319
C330
C331
C338
WHITE LEAD BETWEEN B&C
WHITE LEAD BETWEEN B&C
WHITE LEAD BETWEEN B&C
R304
R305
R302
R303
R307
S306 S307 S308 SHOWN IN "BROAD" POSITION.
S306
S307
C326
C339
R315
R335
R309
R336
C327
R310
R326
C332
R318
C330
C329
C345
R366
R320
R361-B
R361-A
M302
L308B
L308A
C370
C349
R368
C364
C365
R327
R328
R325
R321
C347
C346
C363
C352
L307
C367
SCR.
6.3V.
6.3V.
CATH.
GND.
AVC.
200V.
17V.
105V.



NOTE: This dwg. applies to all RBB/RBC equipments except for the following differences.

a. For Models RBB/RBC (serial Nos. 1-125).
   (1) R373 is not used, R374 is not used.
b. For Models RBB/RBC (serial Nos 1-125) and RBB-1/RBC-1 (serial Nos. 1-1000).
   (1) C336 and C337 are interchanged.

Figure 7-31 — Models RBB/RBC Radio Receivers, I-F/A-F Unit (Schematic, TTX-262842)

WIRE TABLE		
WIRE NO. (INCLUSIVE)	DESCRIPTION	PARTS LIST K-874582-501
14, 21, 50, 52, 54, 58, 60, 90 & 91	PS-580-7 WHT-BLK-TR	5
4, 11, 32, 34, 36, 37, 51, 53, 55, 57, 59, 88, 92, 93, 247	PS-580-7 WHT-BRN-TR	6
5, 12, 43, 44, 139, 148, 151, 153, 154, 234 & 272	PS-580-22 WHT-RED&GRN-TR	7
203, 266, 269, 273, & 276	PS-580-22 WHT-BLK-TR	8
7, 13, 19, 27, 41, 56, 108, 137, 139, 203, 236, 239, 246, 247, 253, 254, 256, 270, 8, 18, 136, 198, 199, 210, 224, 257, 258, 259	PS-580-22 WHT-RED-TR	9
	PS-580-22 WHT-GRN-TR	10
9, 124, 126, 138, 141, 193	PS-580-22 WHT-BLUE-TR	11
1, 10, 24, 28, 119, 120, 147, 152, 157, 159, 202, 244, 248, 267	PS-580-22 WHT-BLK&YEL-TR	12
260, 228, 276	PS-580-22 WHT-BRN-TR	13
15, 50, 230, 38, 95, 134, 142, 143, 144, 154, 160, 200, 217, 229, 236, 238	PS-580-22 WHT-YEL-TR	14
23, 31, 33, 40, 84, 85, 89, 96, 169, 180, 189, 191, 194, 196, 198, 246, 250, 252	PS-580-22 WHT-RED&BLUE-TR	15
6, 17, 35, 42, 45, 46, 131, 134, 140, 149, 155, 162, 211, 216, 220, 231, 232, 233, 240, 244, 249, 250, 251, 252, 263, 268, 269, 279, 280, 281	PS-580-22 WHT-BLK&BRN-TR	16
39, 115, 121, 123, 125, 145, 163, 173, 174, 178, 208, 213, 215, 219, 228, 237, 242, 255, 261, 262,	PS-580-22 WHITE	17
125, 177, 199, 208, 209, 241, 270	PS-580-22 WHT-BLK&GRN-TR	18
103, 104, 111, 112, 114, 116, 118, 130, 188, 189, 218, & 264	PS 4003 WHITE .050 DIA	19
48, 49, 69, 70, 71, 72, 75, 77, 78, 79, 80, 81, 166, 172, 175, 178, 181, 183, 185, 186, 187, 192, 195, 201, 204, 207, 235, 239, 253, & 275	PS-105 BUS .032 DIA.	20
2, 16, 54, 57, 76, 91, 101, 102, 105, 106, 107, 109, 110, 122, 127, 128, 129, 132, 133, 135, 146, 150, 156, 158, 161, 164, 165, 167, 168, 170, 171, 176, 179, 182, 190, 197, 205, 206, 212, 214, 218, 221, 222, 223, 225, 226, 227, 243, 245, 262, 265, 271, 274, & 277	PS-105 BUS .040 DIA.	31
117, 127 & 128	PS-105 BUS .050 DIA.	48
287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-583 TUBING .053 I.D. YELLOW	37

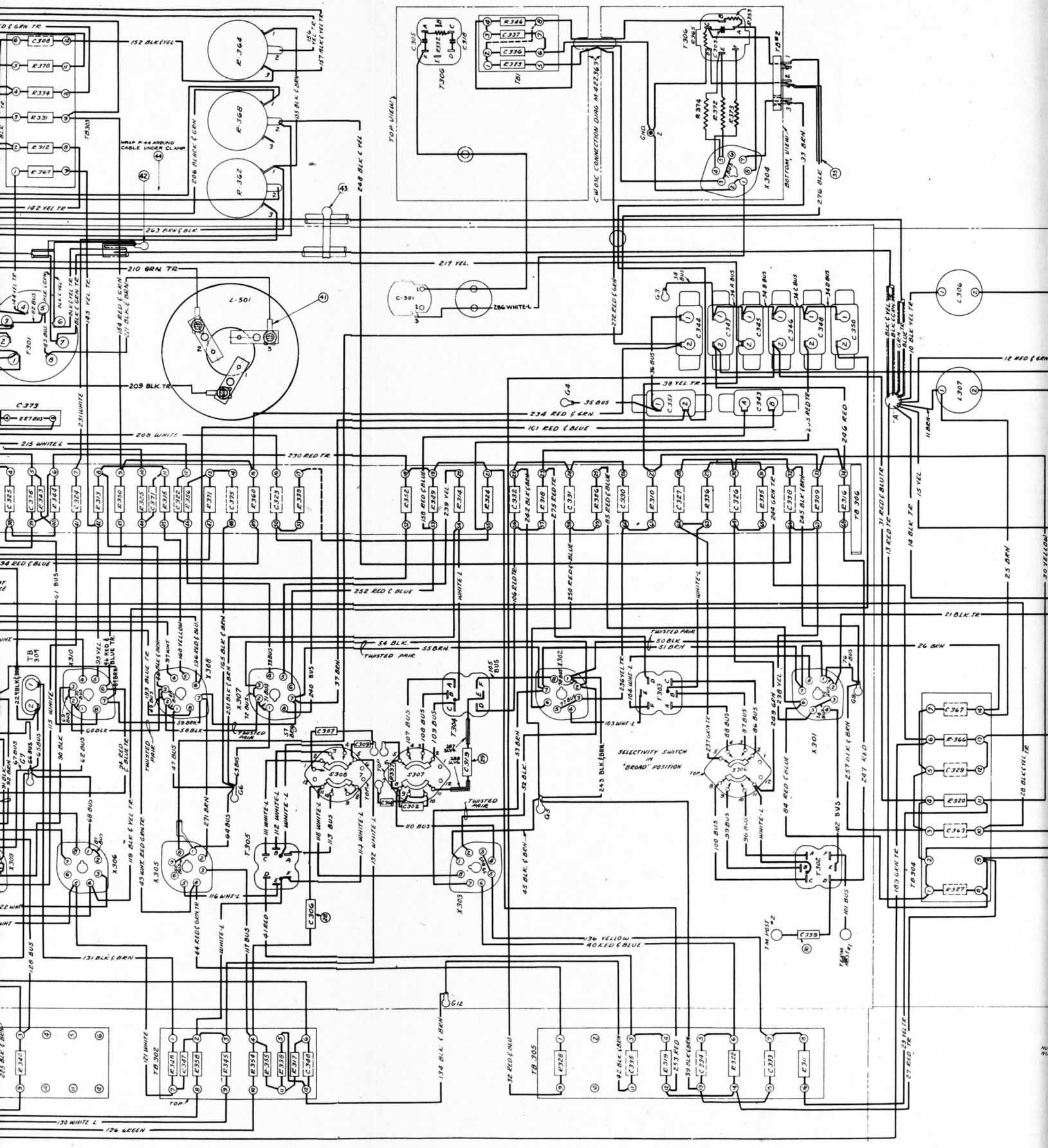
NOTE: This dwg. applies to all RBB/RBC equipments except for the following differences:

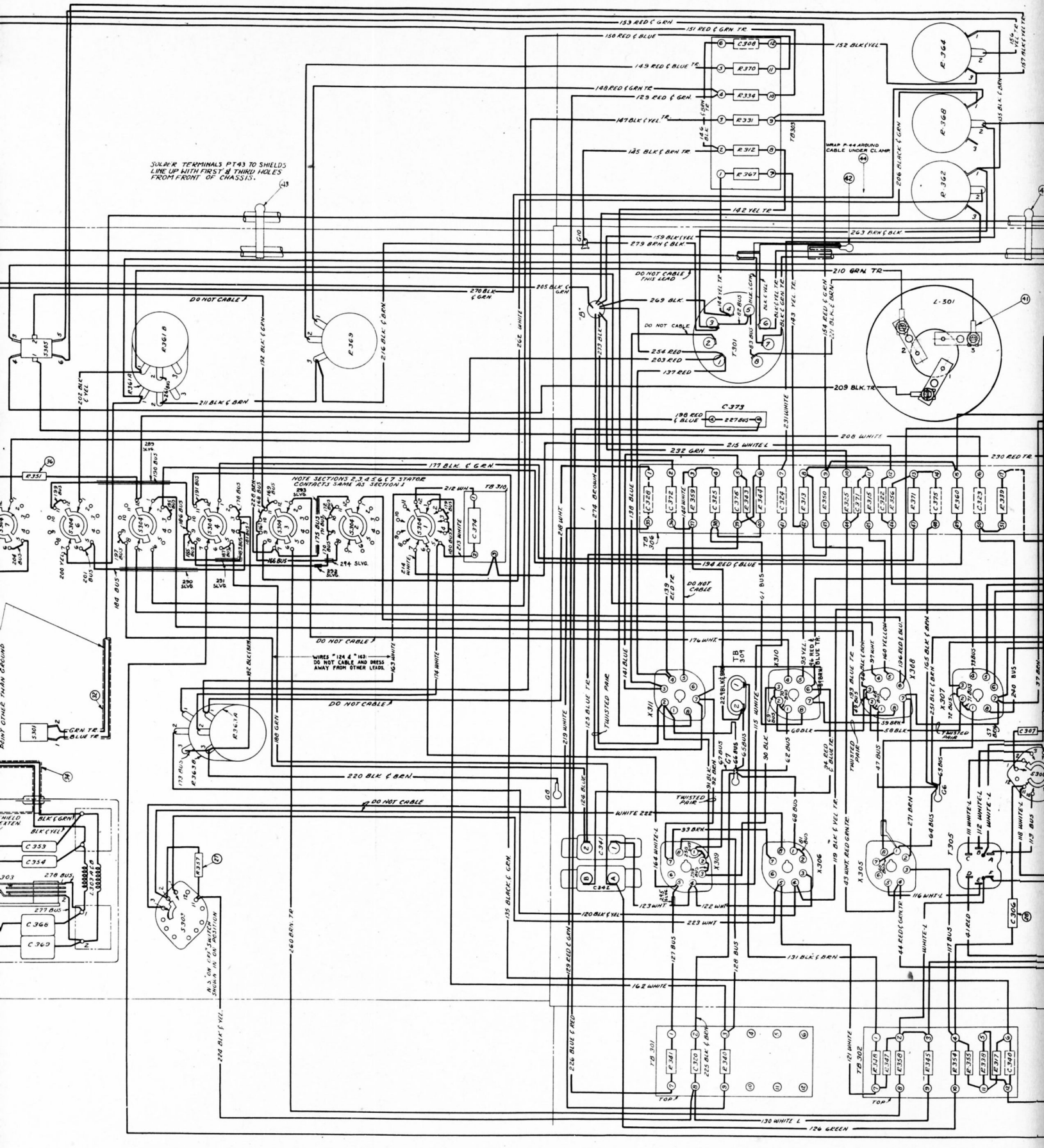
a. For Models RBB/RBC (serial Nos. 1-125). (1) Bus wire Nos. 282 to 285 inclusive are not used; (2) On TB304, lead between term. No. 8 and No. 9 is No. 133 bus; (3) Wire No. 14 is connected to term. "C" on J301; (4) Wire No. 233 is marked "bus"; (5) "White L" wire on T305 is connected to TB302, term. No. 3; (6) Wire No. 66 is marked "bus"; (7) Wire No. 127 is marked "White L"; (8) Wire No. 117 and No. 128 are marked "White L"; (9) R373 and R374 not used; (10) See also b. below.

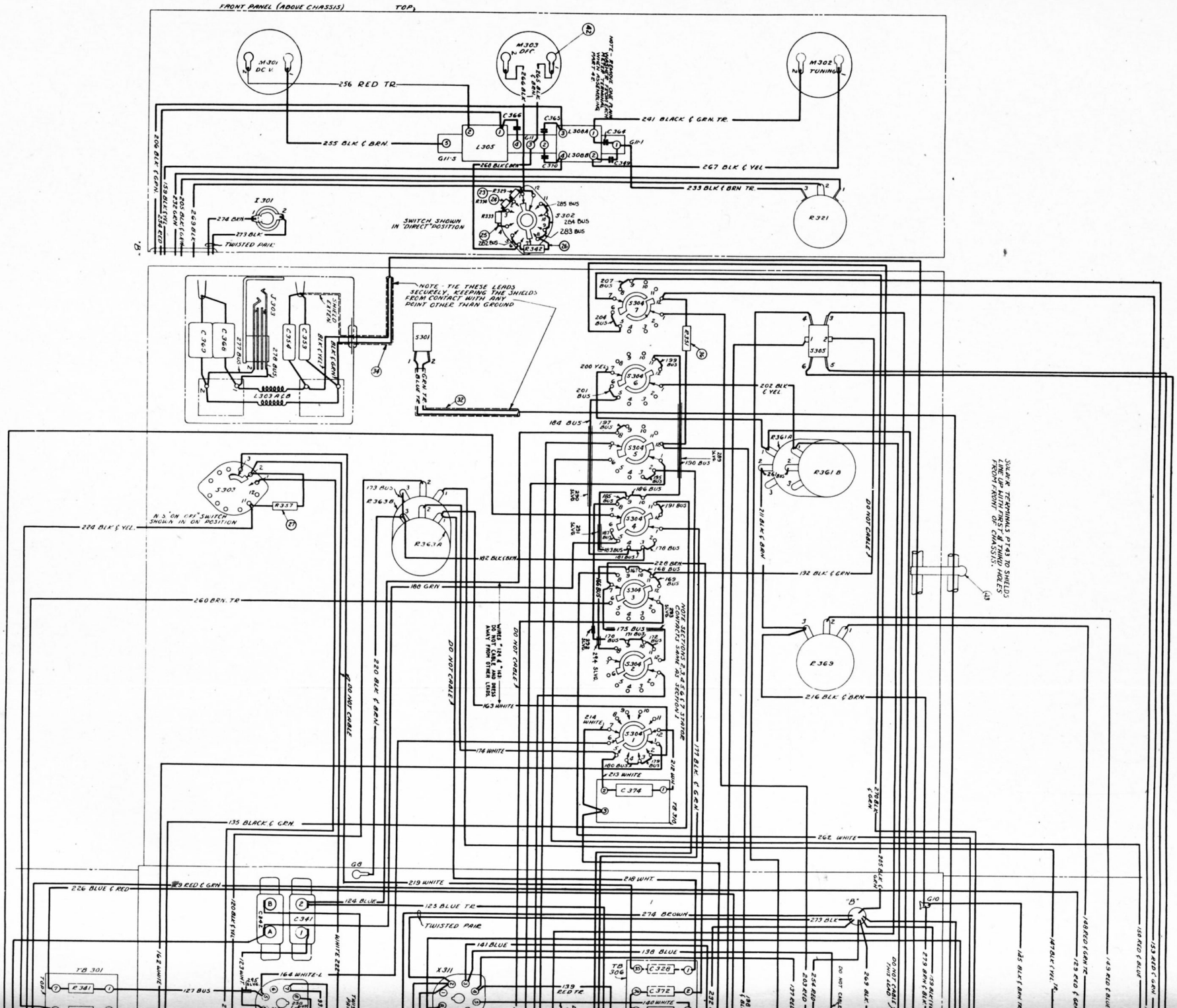
b. For Models RBB/RBC (serial Nos. 1-125) and RBB-1/RBC-1 (serial Nos. 1-1000). (1) G1 is located on CW oscillator shelf; (2) C301 is mounted on CW oscillator shelf; (3) C301, term. No. 3 is connected to G1 on CW oscillator shelf; (4) Wire No. 286 is not used; (5) In reference to C352 wire No. 15 is connected to term. No. 2 and wire No. 16 is connected to term. No. 1; (6) Wire No. 50 is connected to X302, term. No. 2 and wire No. 54 is connected to X302, term. No. 1; (7) Wire No. 66 is marked black and brown; (8) Wire No. 89 is connected to X306, term. No. 7; (9) Wire No. 243 is marked bus; (10) Wire No. 237 is connected to TB306, term. No. 63; (11) Wires Nos. 61, 102, 105, and 240 are marked "White L".

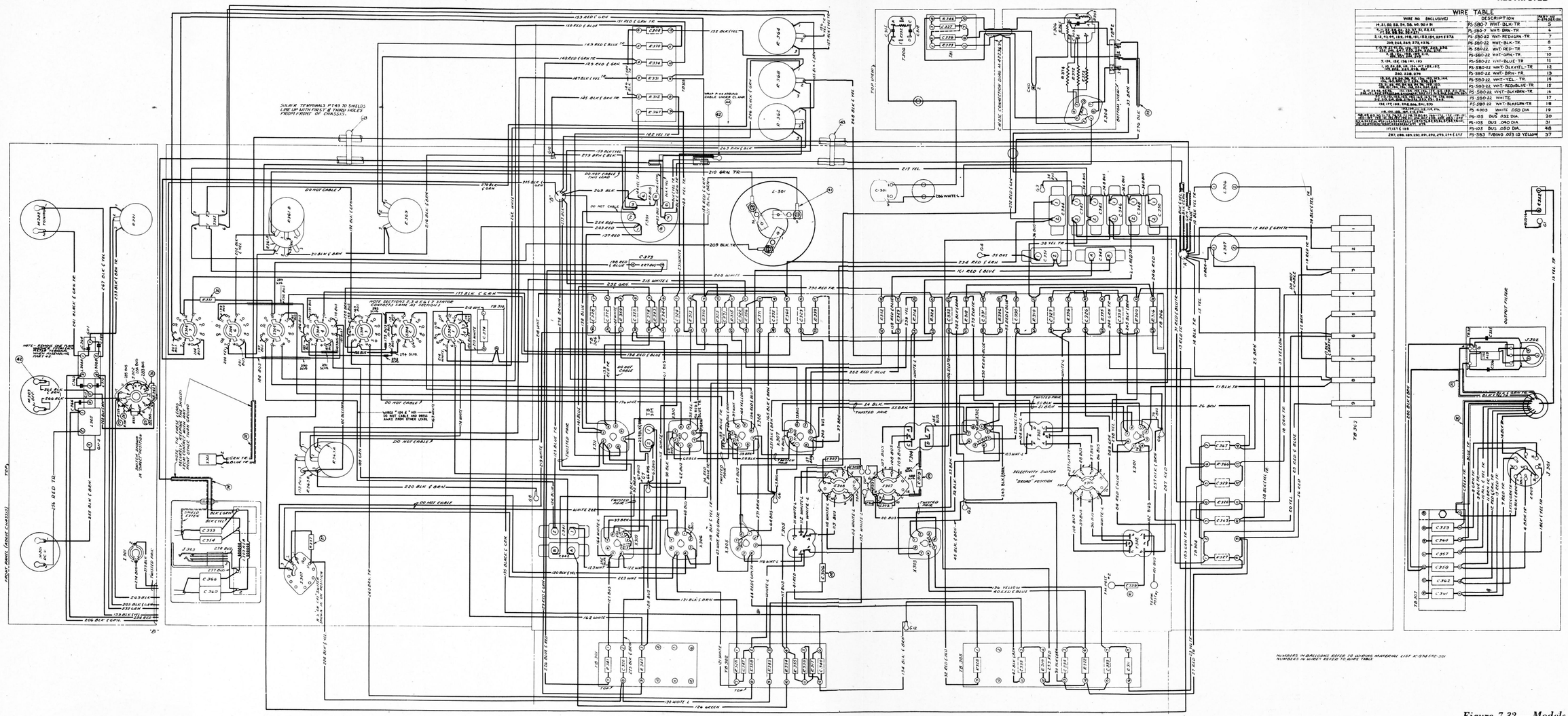
NUMBERS IN BALLOONS REFER TO WIRING MATERIAL LIST K-874582-501
NUMBERS IN WIRES REFER TO WIRE TABLE

Figure 7-32 — Models RBB/RBC Radio Receivers, I-F/A-F Unit (Connection Diagram, WW-305501)


R 364
R 368
R 362
L-301
T 301
T 305
T 306
T 304
T 303
T 302
X 301
X 303
X 304
X 305
X 306
X 307
X 308
X 309
X 310
TB 301
TB 302
TB 303
TB 304
TB 305
TB 306
C-301
C 379
TOP VIEW
BOTTOM VIEW
C WDG. CONNECTION DIAG. NI 422363
WRAP P-44 ARDUIO CABLE UNDER CLAMP
SELECTIVITY SWITCH IN "BROAD" POSITION
TWISTED PAIR
152 BLK (YEL
142 YEL TR
263 BRN & BLK
210 GRN TR
209 BLK. TR
217 YEL.
286 WHITE-L
212 RED & GRN
234 RED & GRN
161 RED & BLUE
230 RED TR
208 WHITE
215 WHITE-L
252 RED & BLUE
54 BLK.
55 BRN
58 BLK.
26 BRN
21 BLK. TR
14 BLK. TR
15 YEL
25 BRN
30 YELLOW
13 RED TR
71 RED & BLUE
12 RED & GRN
10 BLK YEL TR
11 BRN
246 RED
243 RED TR
38 YEL TR
35 BUS
36 BUS
34 A BUS
34 B BUS
34 C BUS
34 D BUS
G3
G4
G5
G6
G7
G8
G12
C 344
C 345
C 346
C 348
C 350
C 343
C 337
C 367
C 329
C 328
C 363
C 364
R 366
R 326
C 327
C 339
R 346
C 337
C 336
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R 312
R 367
C 308
C 305
C 312
C 318
C 306
C 307
C 309
C 302
C 303
C 304
R 339
R 338
R 337
R 336
R 335
C 340
C 341
C 342
C 347
C 325
C 376
C 343
C 344
C 324
C 332
C 333
C 371
C 372
C 373
C 374
C 375
C 377
E 352
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E 371
E


SOLDER TERMINALS PT 43 TO SHIELDS LINE UP WITH FIRST & THIRD HOLES FROM FRONT OF CHASSIS.
WRAP P-44 AROUND CABLE UNDER CLAMP
DO NOT CABLE
NOTE SECTIONS 2,3,4,5,6,7 STATOR CONTACTS SAME AS SECTION 1
WIRES "124 & "163 DO NOT CABLE AND DRESS AWAY FROM OTHER LEADS.
TWISTED PAIR
TOP
153 RED & GRN
151 RED & GRN TR.
150 RED & BLUE
149 RED & BLUE TR.
148 RED & GRN TR.
147 BLK & YEL TR.
145 BLK & BRN TR.
142 YEL TR.
159 BLK/YEL
279 BRN & BLK.
210 GRN TR.
269 BLK.
254 RED
203 RED
137 RED
209 BLK. TR.
198 RED & BLUE
227 BUS
231 WHITE
208 WHITE
215 WHITE L
232 GRN
230 RED TR.
177 BLK & GRN
212 WH.
194 RED & BLUE
176 WHT.
141 BLUE
123 BLUE TR.
219 WHITE
220 BLK & BRN
WHITE 222
93 BRN
164 WHITE L
123 WHT.
120 BLK & YEL
223 WHT
135 BLACK & GRN
129 RED & GRN
162 WHITE
131 BLK & BRN
226 BLUE & RED
130 WHITE L
126 GREEN
260 BRN. TR.
224 BLK & YEL
277 BUS
278 BUS
122 WHT.
121 BUS
128 BUS
68 BUS
64 BUS
63 BUS
47 BUS
240 BUS
116 WHT-L
117 BUS
113 BUS
44 RED/GRN TR.
41 RED
43 WHT RED/GRN TR.
119 BLK & YEL TR.
90 BLK
62 BUS
94 RED & BLUE TR.
59 BRN
58 BLK.
57 BRN
39 BRN.
37 BRN.
271 BRN
111 WHITE-L
112 WHITE-L
118 WHITE-L
R 364
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R 367
R 312
R 331
R 334
R 370
C 308
T 303
T 301
L-301
R 361 B
R 361 A
R 369
S 365
S 301
S 303
S 304
C 379
C 374
TB 310
TB 306
TB 309
TB 301
TB 302
X 311
X 310
X 308
X 307
X 306
X 305
X 309
C 342
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R 999
R 1000


FRONT PANEL (ABOVE CHASSIS)
TOP
M301 DC V.
M303 N. DFC.
M302 TUNING
256 RED TR.
255 BLK & BRN.
241 BLACK & GRN. TR.
267 BLK & YEL
233 BLK & BRN TR.
L305
L308A
L308B
C366
C365
C364
C370
C369
G11
G11-S
G11-1
268 BLK & BRN
I 301
274 BRN
273 BLK
TWISTED PAIR
SWITCH SHOWN IN "DIRECT" POSITION
R321
R342
R333
R336
285 BUS
284 BUS
283 BUS
S 302
NOTE - TIE THESE LEADS SECURELY, KEEPING THE SHIELDS FROM CONTACT WITH ANY POINT OTHER THAN GROUND
J303
L303 A & B
C356
C355
C354
C353
SHIELD GRN
BLK YEL
BLK BRN
S301
GRN TR
BLU TR
S304 7
S304 6
S304 5
S304 4
S304 3
S304 2
S304 1
S305
R361A
R361B
R369
207 BUS
204 BUS
200 YEL
199 BUS
201 BUS
202 BLK & YEL
184 BUS
197 BUS
190 BUS
195 BUS
186 BUS
191 BUS
185 BUS
183 BUS
181 BUS
178 BUS
188 BUS
169 BUS
175 BUS
171 BUS
170 BUS
214 WHITE
180 BUS
179 BUS
213 WHITE
C 374
TB 304
S 303
R337
N.O. "ON-OFF" SWITCH SHOWN IN ON POSITION
224 BLK & YEL
R363A
R363B
182 BLK BRN
188 GRN
260 BRN. TR
220 BLK & BRN
163 WHITE
176 WHITE
177 BLK & GRN
212 WHITE
216 BLK & BRN
192 BLK & GRN
218 BLK & BRN
DO NOT CABLE
NOTE SECTIONS 2,3,4,5,6 & 7 START CONTACTS SAME AS SECTION 1
WIRES "184 A" "184 B" AND "183" DO NOT CABLE AND PASS AWAY FROM OTHER LUGS
SHARK TEETH TERMINALS P 143 TO SHIELDS LINE UP WITH FIRST & THIRD HOLES FRONT OF CHASSIS.
143
135 BLACK & GRN.
262 WHITE
G8
G10
226 BLUE & RED
229 RED & GRN
219 WHITE
124 BLUE
125 BLUE TR
TWISTED PAIR
274 BROWN
273 BLK
"B"
141 BLUE
138 BLUE
C341
C340
C328
C372
140 WHITE
TB 301
R341
127 BUS
164 WHITE-L
X311
139 RED TR
162 WHITE
123 WHT
TB 306
254 RED
253 RED
269 BLK
145 BLUE BRN TR
147 BLK (YEL) TR
148 RED & GRN TR
129 RED & GRN TR
149 RED & BLUE
150 RED & BLUE
153 RED & GRN



WIRE TABLE		
WIRE NO. (INCLUSIVE)	DESCRIPTION	PART OR SPECIFICATION
14, 21, 50, 53, 54, 56, 66, 90 & 91	PS-580-7 WHT-BLK-TR	5
4, 11, 15, 16, 22, 30, 31, 46 & 48	PS-580-7 WHT-BRN-TR	6
5, 12, 13, 44, 128, 198, 199, 200, 203, 204 & 272	PS-580-22 WHT-RED&GRN-TR	7
209, 266, 269, 275, 276	PS-580-22 WHT-BLK-TR	8
7, 9, 19, 23, 45, 49, 78, 79, 127, 129, 265, 268, 270, 271, 273, 274, 277, 278, 279, 280, 281, 282, 283, 284	PS-580-22 WHT-RED-TR	9
6, 10, 17, 18, 20, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 47, 51, 52, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 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, 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, 201, 202, 205, 206, 207, 208, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-580-22 WHT-BLU-TR	11
8, 31, 98, 99, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-580-22 WHT-GRN-TR	10
9, 19, 182, 198, 199, 203	PS-580-22 WHT-BLU&YEL-TR	12
10, 20, 28, 29, 30, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-580-22 WHT-BRN-TR	13
15, 16, 17, 18, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-580-22 WHT-YEL-TR	14
14, 21, 50, 53, 54, 56, 66, 90 & 91	PS-580-22 WHT-RED&BLUE-TR	15
4, 11, 15, 16, 22, 30, 31, 46 & 48	PS-580-22 WHT-BLK&GRN-TR	16
5, 12, 13, 44, 128, 198, 199, 200, 203, 204 & 272	PS-580-22 WHITE	17
7, 9, 19, 23, 45, 49, 78, 79, 127, 129, 265, 268, 270, 271, 273, 274, 277, 278, 279, 280, 281, 282, 283, 284	P2-580-22 WHT-BLK&GRN-TR	18
6, 10, 17, 18, 20, 24, 25, 26, 27, 28, 29, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 47, 51, 52, 55, 57, 58, 59, 60, 61, 62, 63, 64, 65, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 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, 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, 201, 202, 205, 206, 207, 208, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	P3-4903 WHITE .080 DIA.	19
8, 31, 98, 99, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-105 BUS .032 DIA.	20
8, 31, 98, 99, 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, 267, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-105 BUS .040 DIA.	31
P1 & P2	PS-105 BUS .080 DIA.	48
287, 288, 289, 290, 291, 292, 293, 294 & 295	PS-583 TUBING .025 ID YELLOW	37

NOTE: This dwg. applies to all RBB/RBC equipments except for the following differences:

a. For Models RBB/RBC (serial Nos. 1-125). (1) Bus wire Nos. 282 to 285 inclusive are not used; (2) On TB304, lead between term. No. 8 and No. 9 is No. 133 bus; (3) Wire No. 14 is connected to term. "C" on J301; (4) Wire No. 233 is marked "bus"; (5) "White L" wire on T305 is connected to TB302, term. No. 3; (6) Wire No. 66 is marked "bus"; (7) Wire No. 127 is marked "White L"; (8) Wire No. 117 and No. 128 are marked "White L"; (9) R373 and R374 not used; (10) See also b. below.

b. For Models RBB/RBC (serial Nos. 1-125) and RBB-1/RBC-1 (serial Nos. 1-1000). (1) C1 is located on CW oscillator shelf; (2) C301 is mounted on CW oscillator shelf; (3) C301, term. No. 3 is connected to C1 on CW oscillator shelf; (4) Wire No. 286 is not used; (5) In reference to C352 wire No. 15 is connected to term. No. 2 and wire No. 16 is connected to term. No. 1; (6) Wire No. 50 is connected to X302, term. No. 2 and wire No. 54 is connected to X302, term. No. 1; (7) Wire No. 66 is marked black and brown; (8) Wire No. 89 is connected to X306, term. No. 7; (9) Wire No. 243 is marked bus; (10) Wire No. 237 is connected to TB306, term. No. 63; (11) Wires Nos. 61, 102, 105, and 240 are marked "White L".

Figure 7-32 — Models RBB/RBC Radio Receivers, I-F/A-F Unit (Connection Diagram, WW-305501)

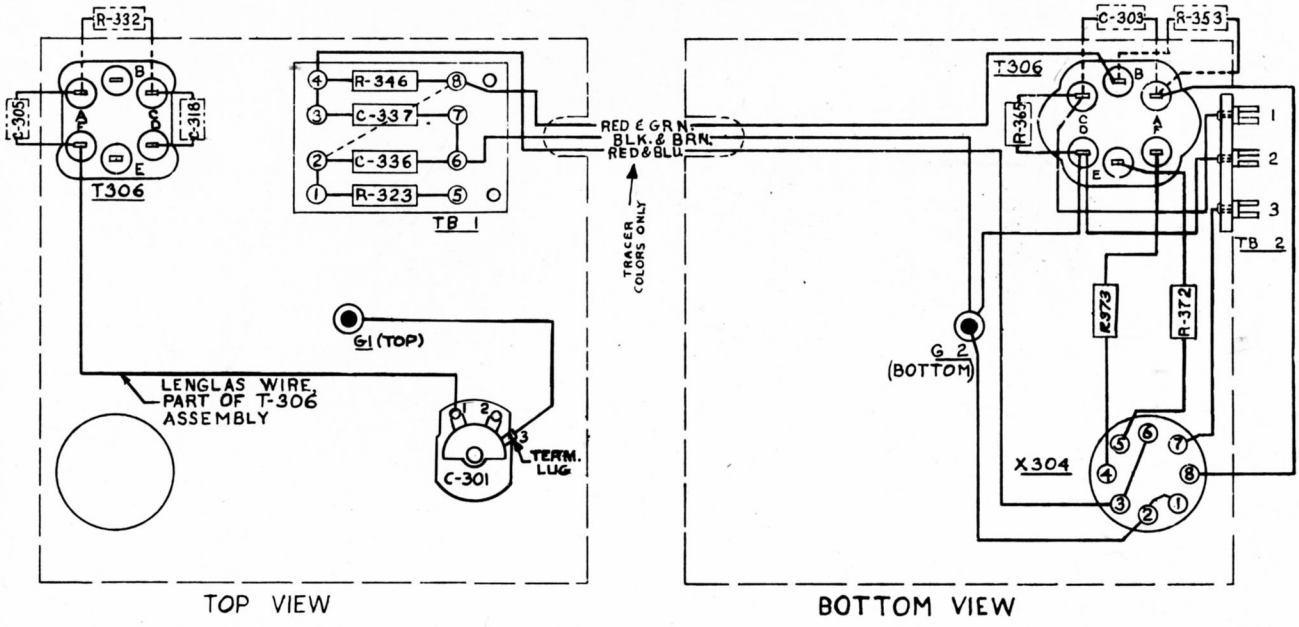
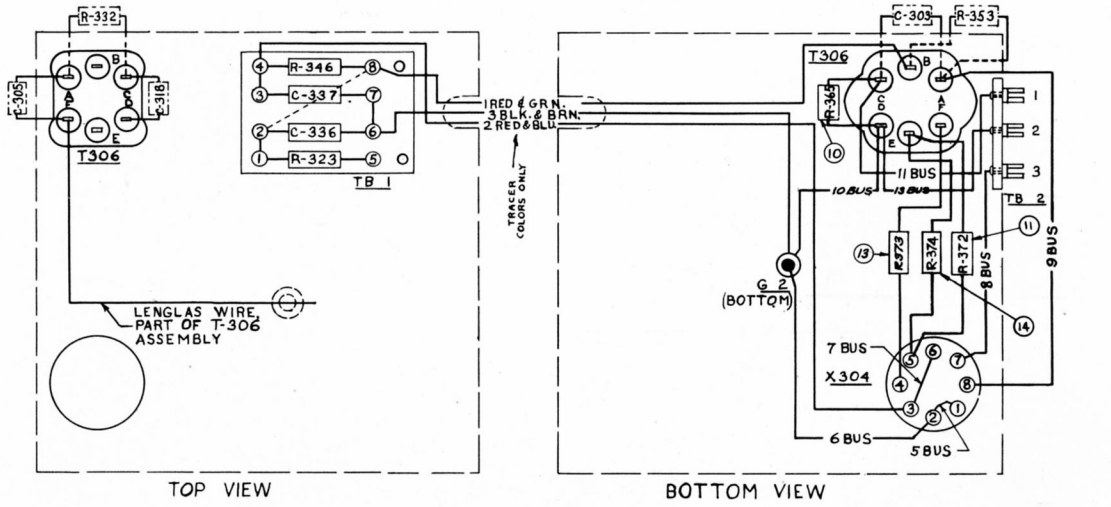


Figure 7-33 — Models RBB/RBC (only) or Models RBB-1/RBC-1 (up to Serial No. 1,000) Radio Receivers, CW Oscillator (Connection Diagram, M-439748)



NUMBERS IN WIRES REFER TO WIRE TABLE.
NUMBERS IN BALLOONS REFER TO WIRING MAT'L LIST K-874858-501.

Figure 7-34 — Models RBB-1/RBC-1 (above Serial No. 1,000) or Models RBB-2/RBC-2 Radio Receivers, CW Oscillator (Connection Diagram, M-422363)

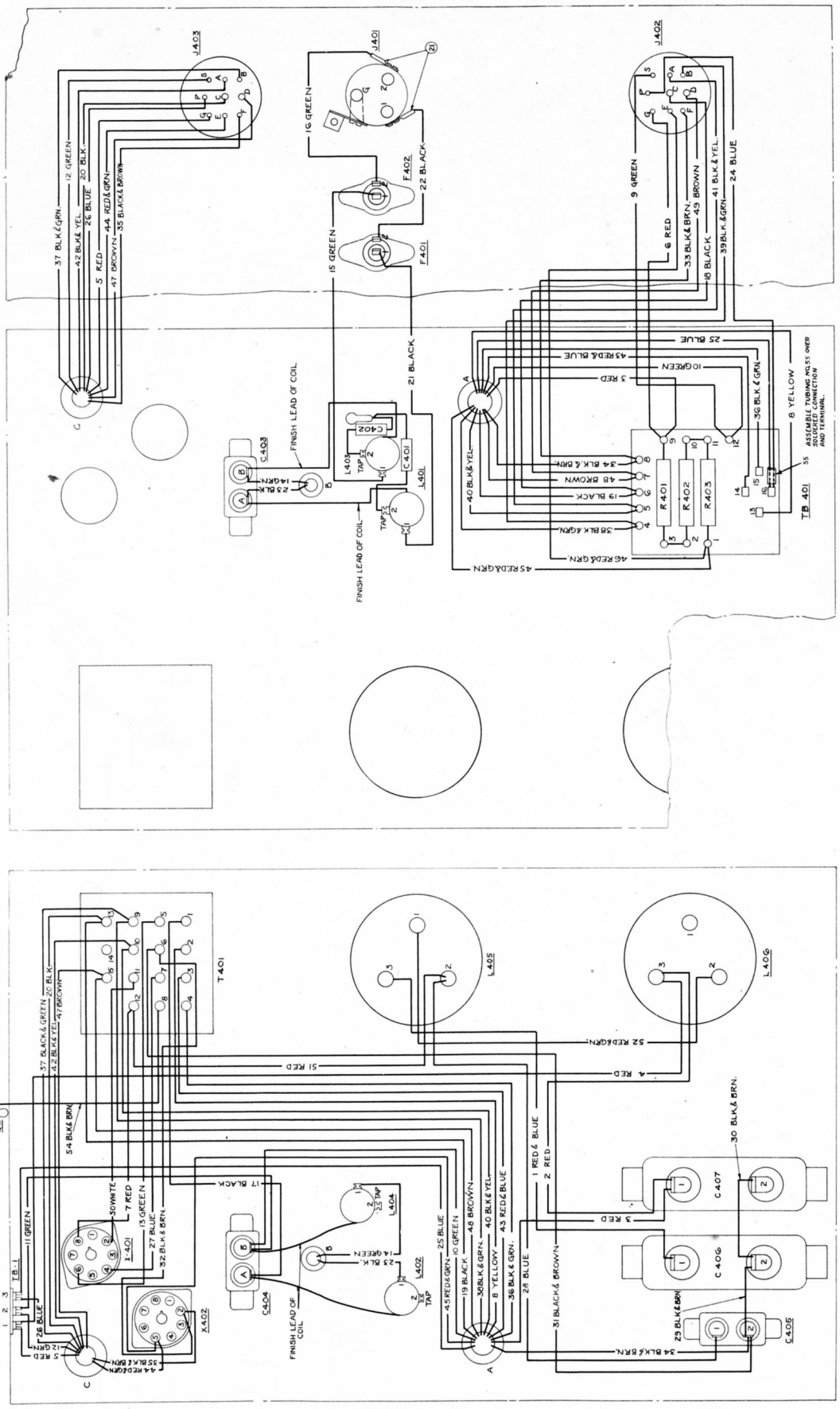


Figure 7-35 — Rectifier Power Unit (Connection Diagram, T-620737)

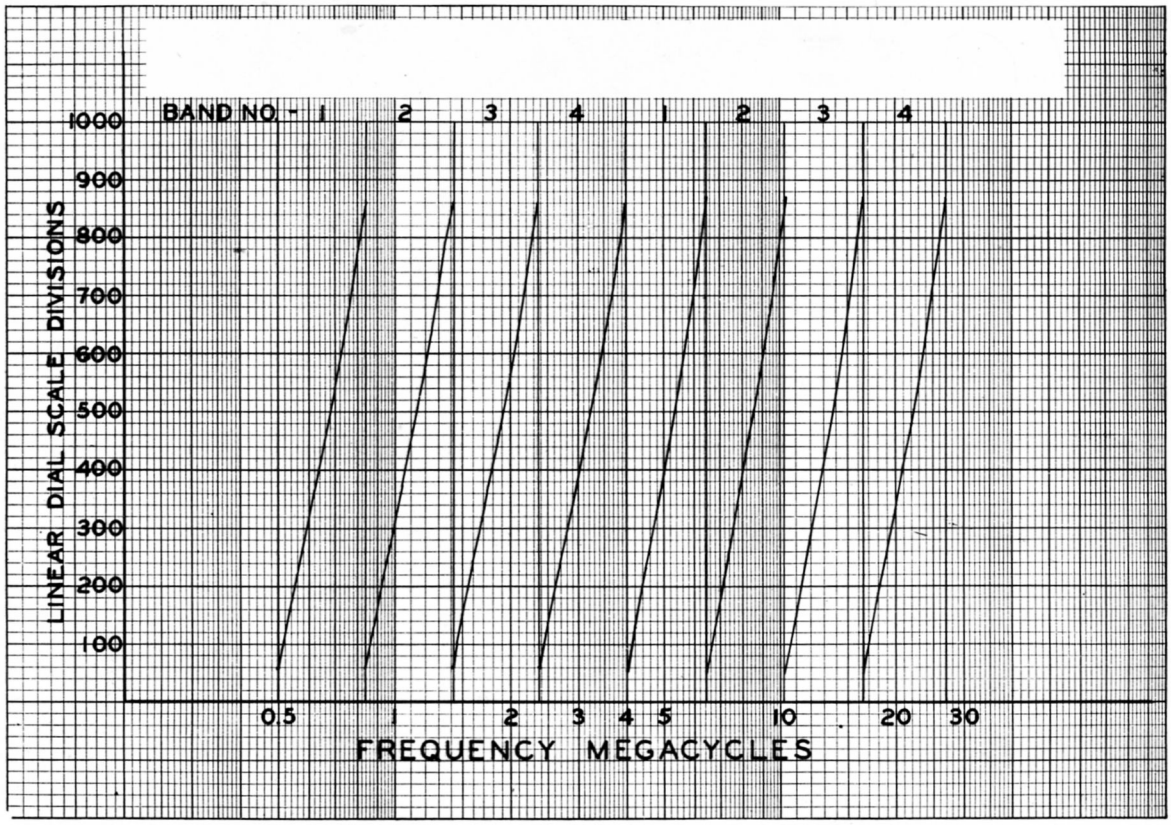


Figure 7-36 — Models RBB/RBC Radio Receivers, Dial Calibration (Average Curves, S-880023)

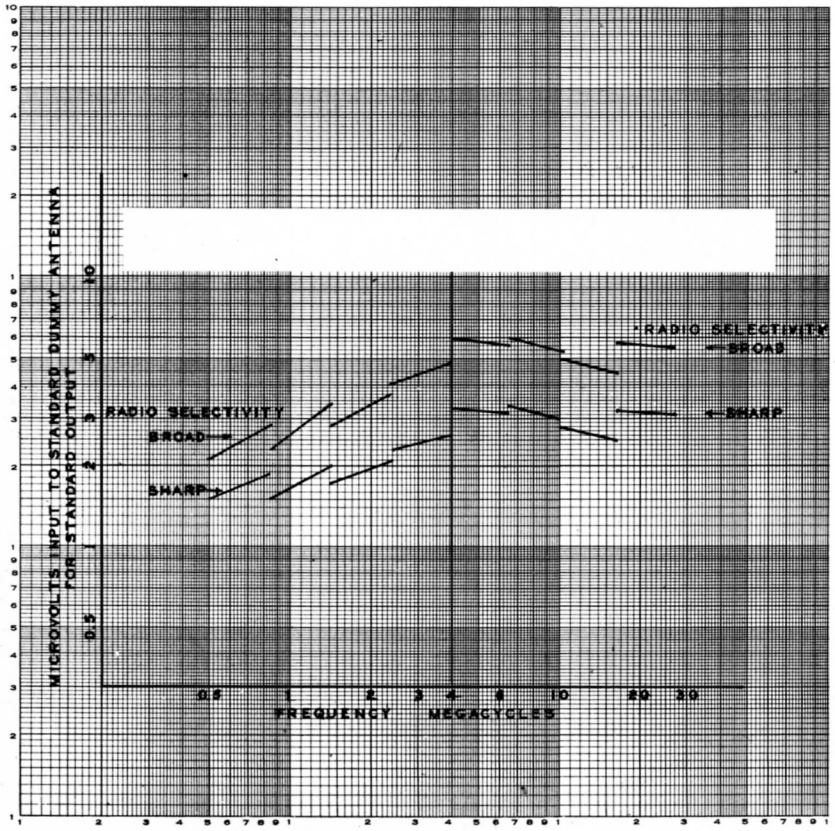


Figure 7-37 — Models RBB/RBC Radio Receivers, CW Sensitivity (Average Curves, S-880024)

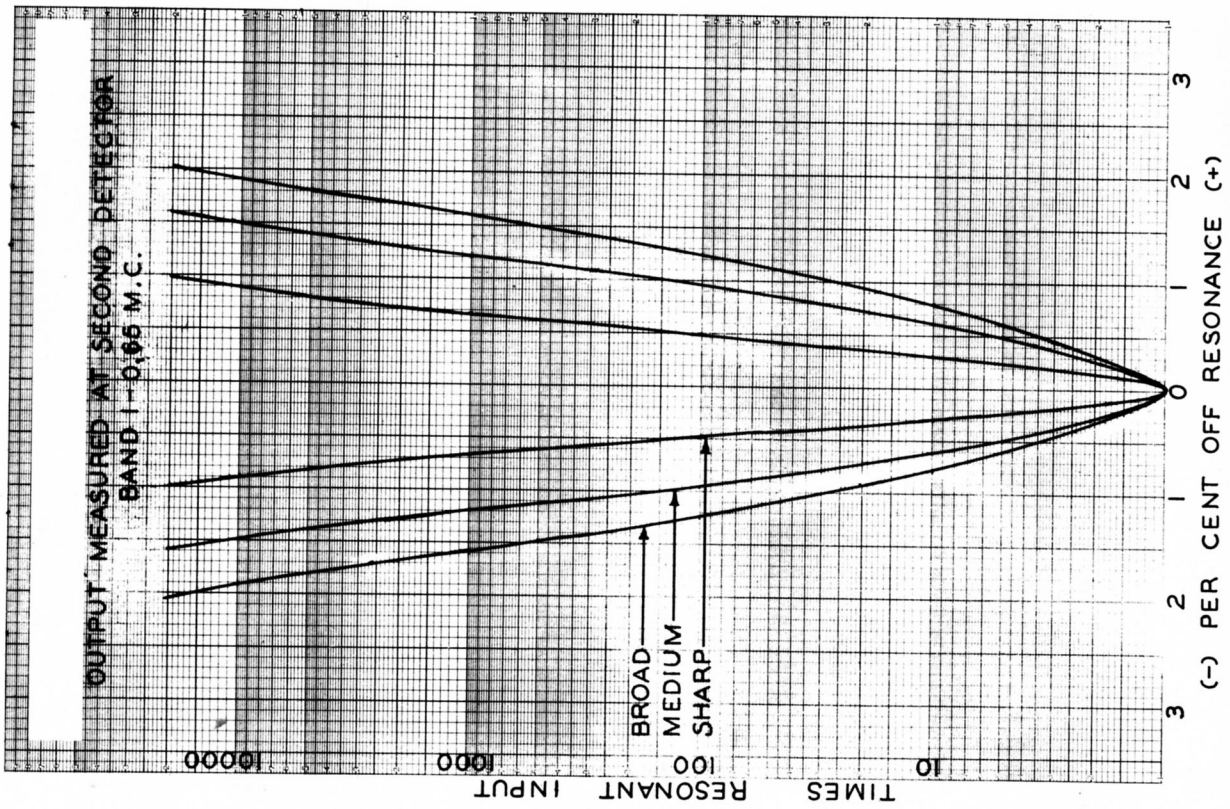


Figure 7-38 — Model RBB Radio Receiver, Overall Selectivity, Band 1 (Average Curves, S-880025)

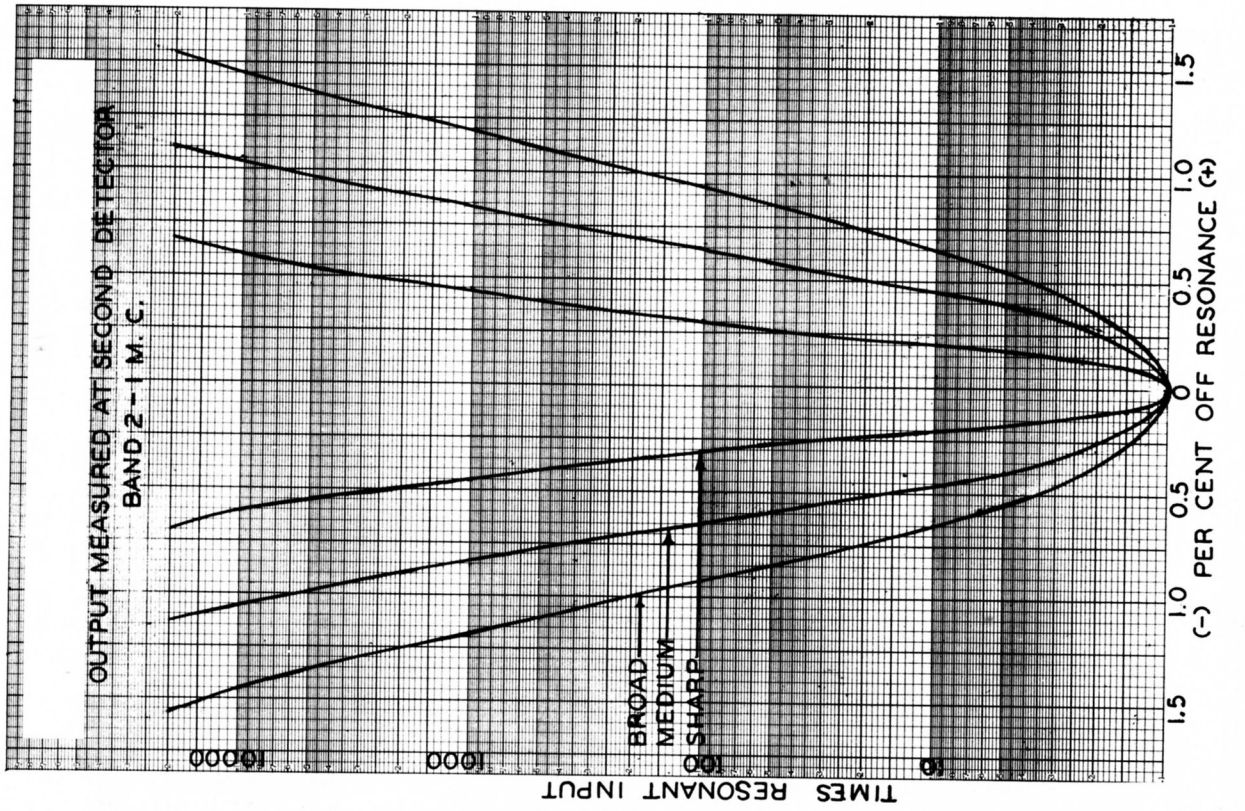


Figure 7-39 — Model RBB Radio Receiver, Overall Selectivity, Band 2 (Average Curves, S-880026)

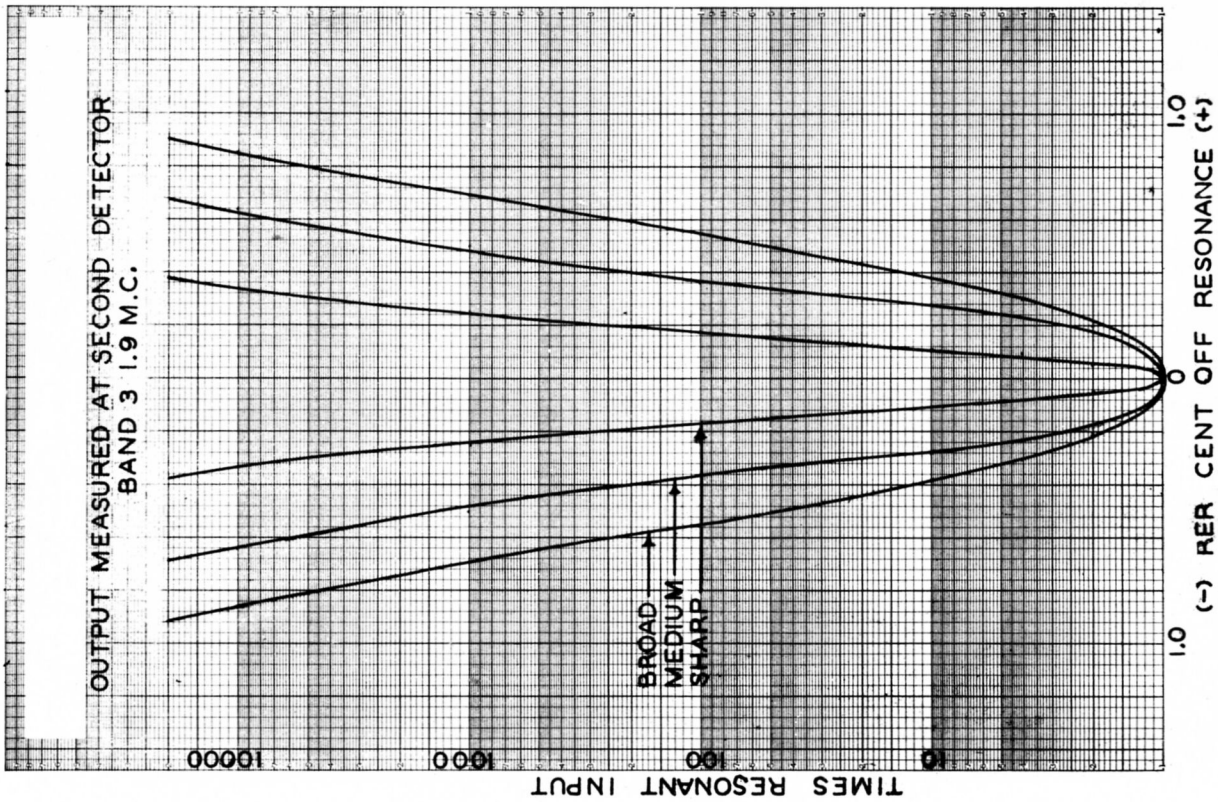


Figure 7-40 — Model RBB Radio Receiver, Overall Selectivity, Band 3 (Average Curves, S-880027)

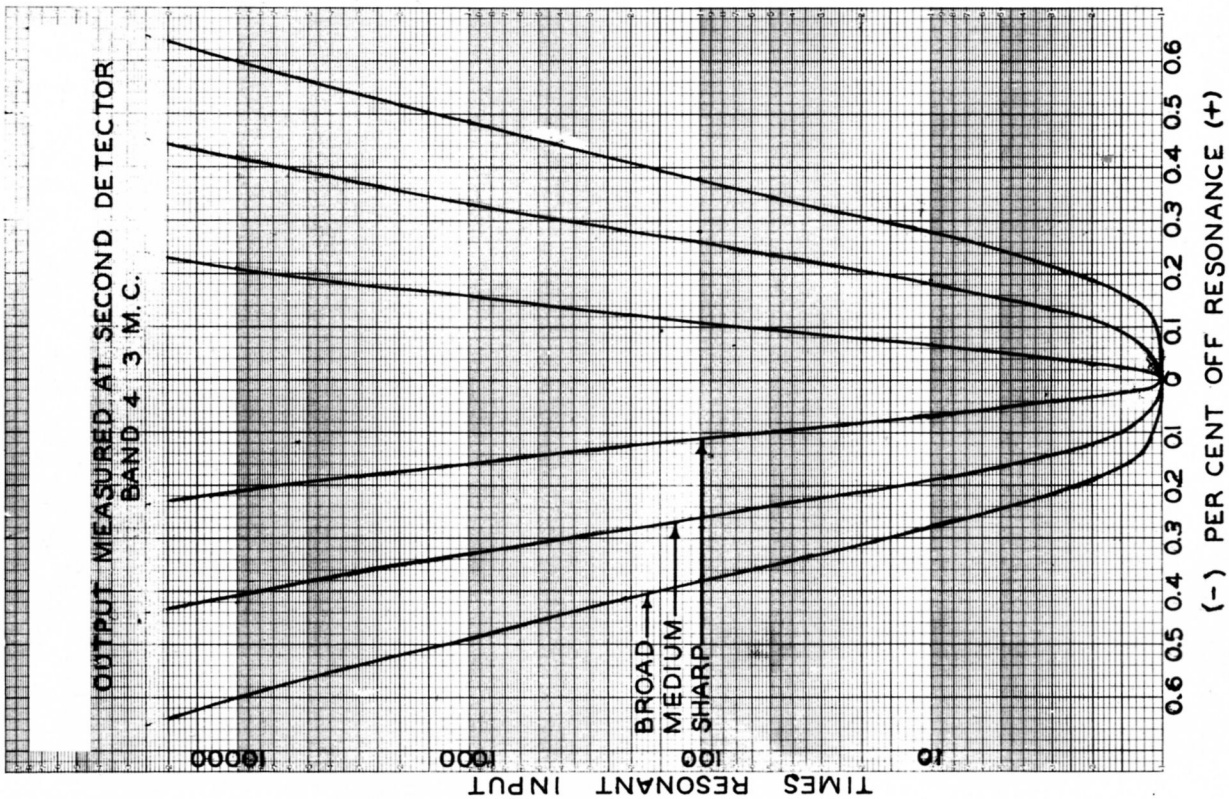


Figure 7-41 — Model RBB Radio Receiver, Overall Selectivity, Band 4 (Average Curves, S-880028)

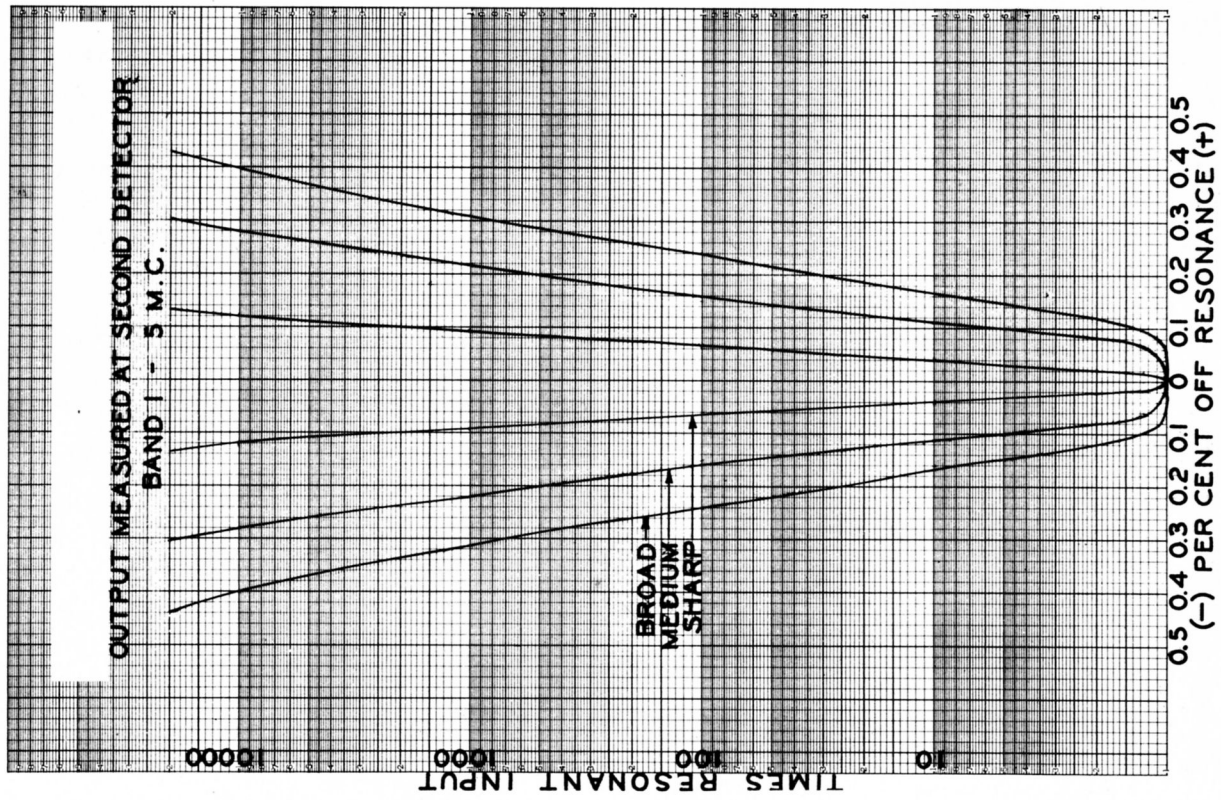


Figure 7-42 — Model RBC Radio Receiver, Overall Selectivity, Band 1 (Average Curves, S-880029)

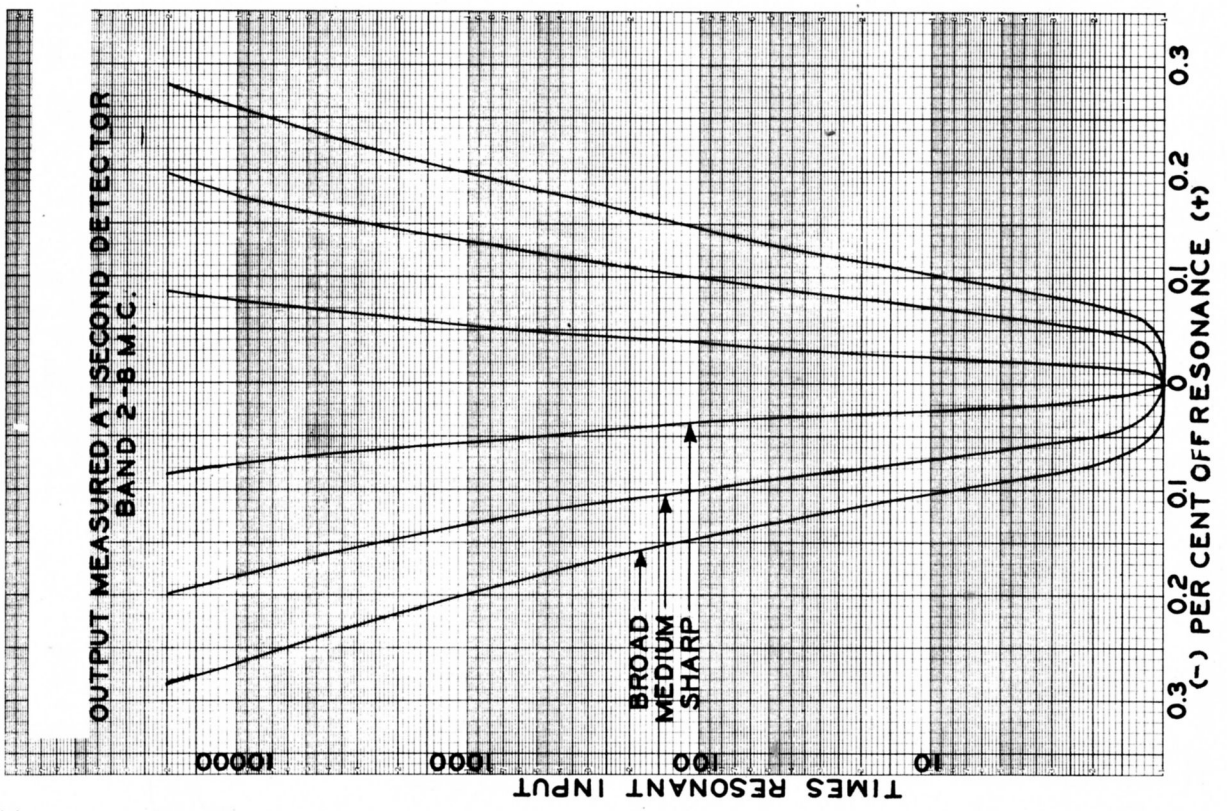


Figure 7-43 — Model RBC Radio Receiver, Overall Selectivity, Band 2 (Average Curves, S-880030)

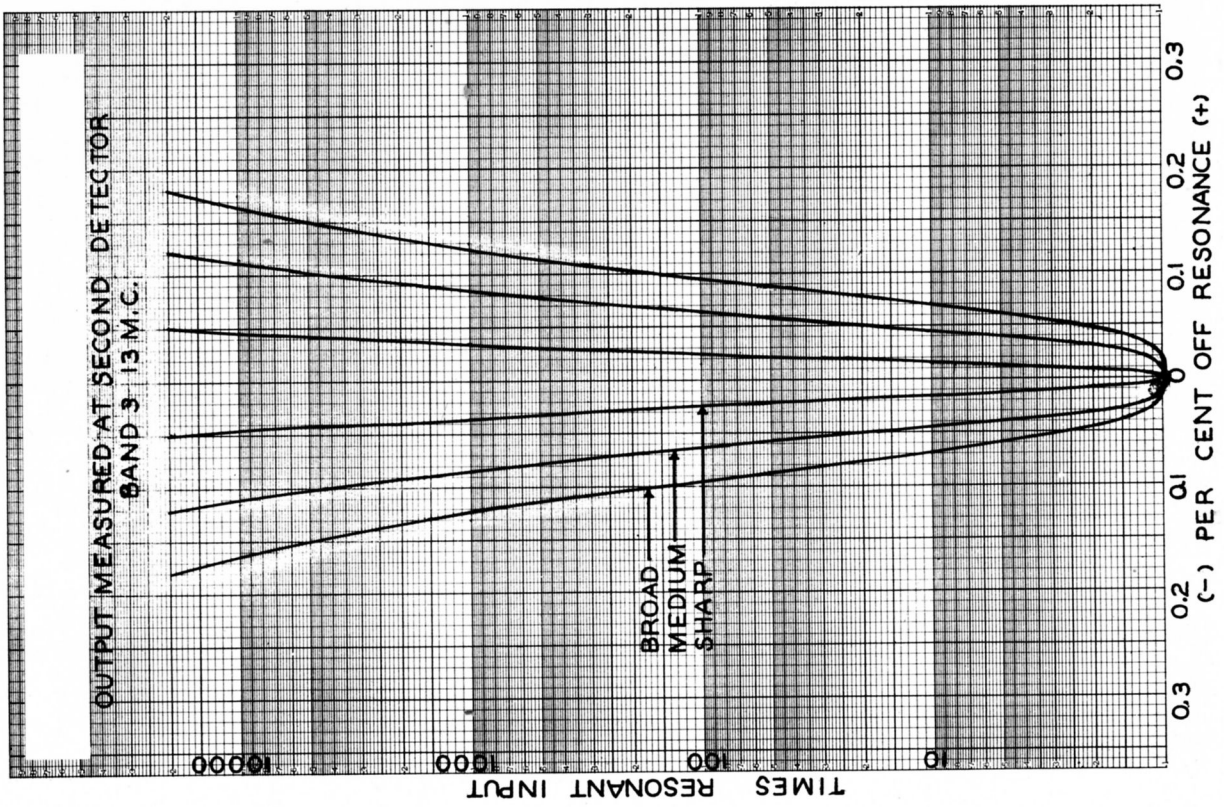


Figure 7-44 — Model RBC Radio Receiver, Overall Selectivity, Band 3 (Average Curves, S-880031)

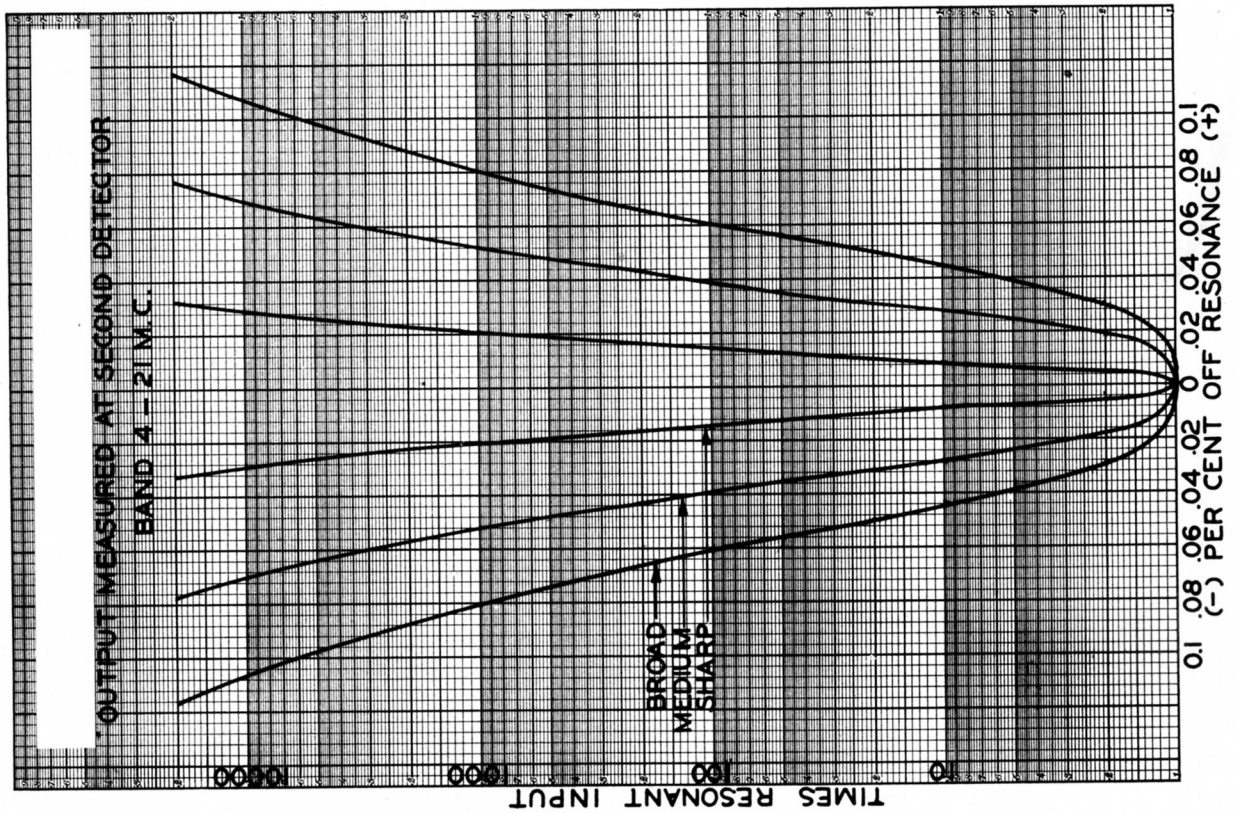


Figure 7-45 — Model RBC Radio Receiver, Overall Selectivity, Band 4 (Average Curves, S-880032)

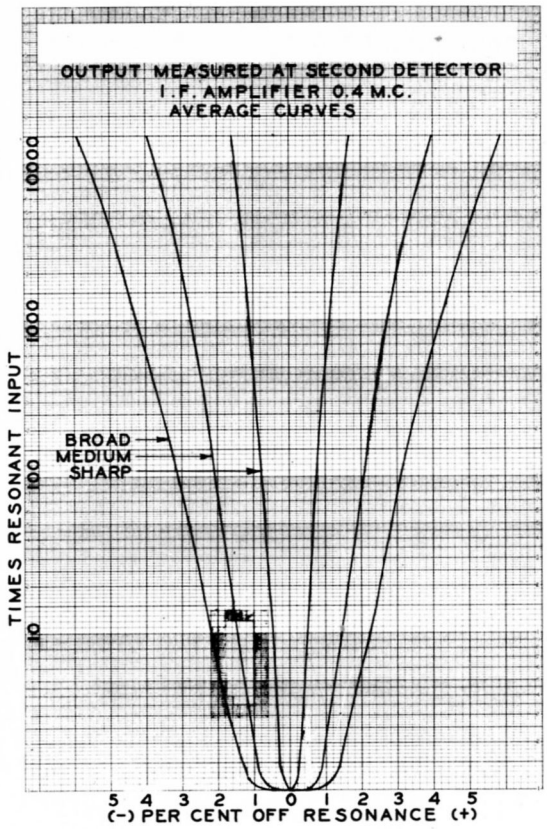


Figure 7-46 — Models RBB/RBC Radio Receivers, I-F Selectivity (Average Curves, S-880033)

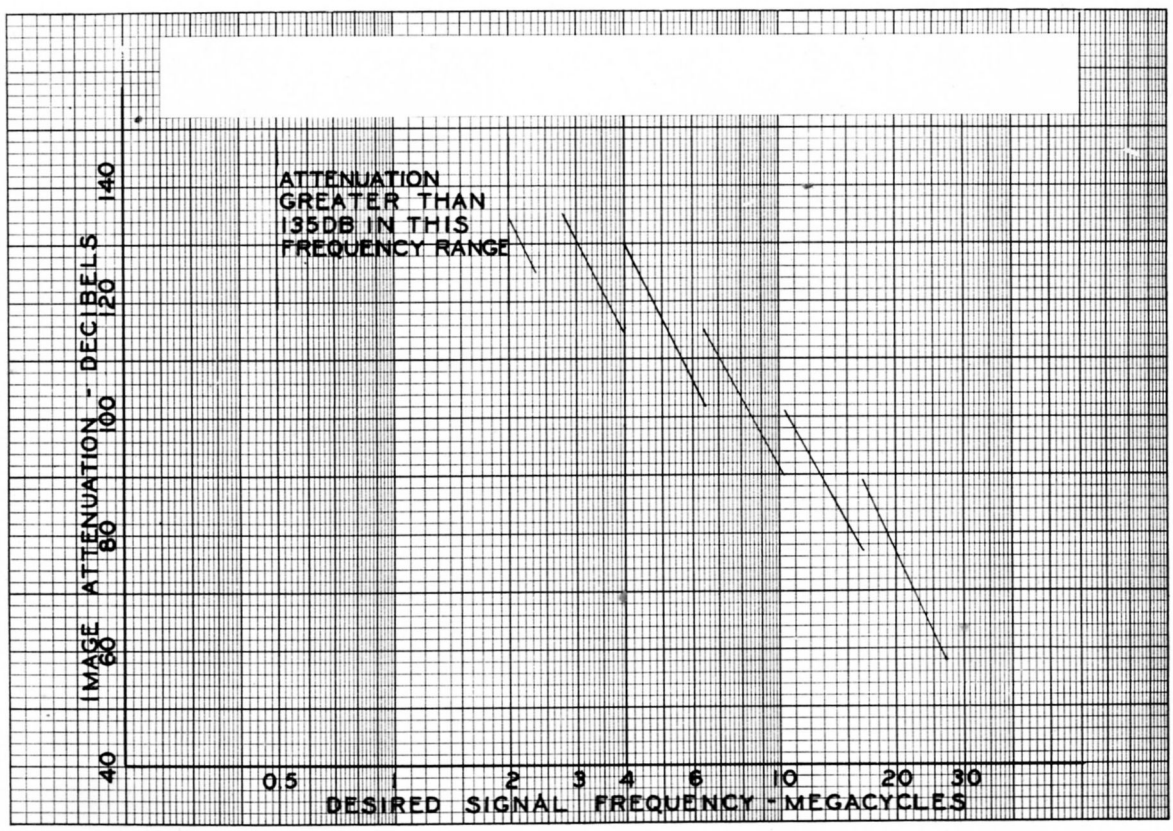


Figure 7-47 — Models RBB/RBC Radio Receivers, Image Selectivity (Average Curves, S-880034)

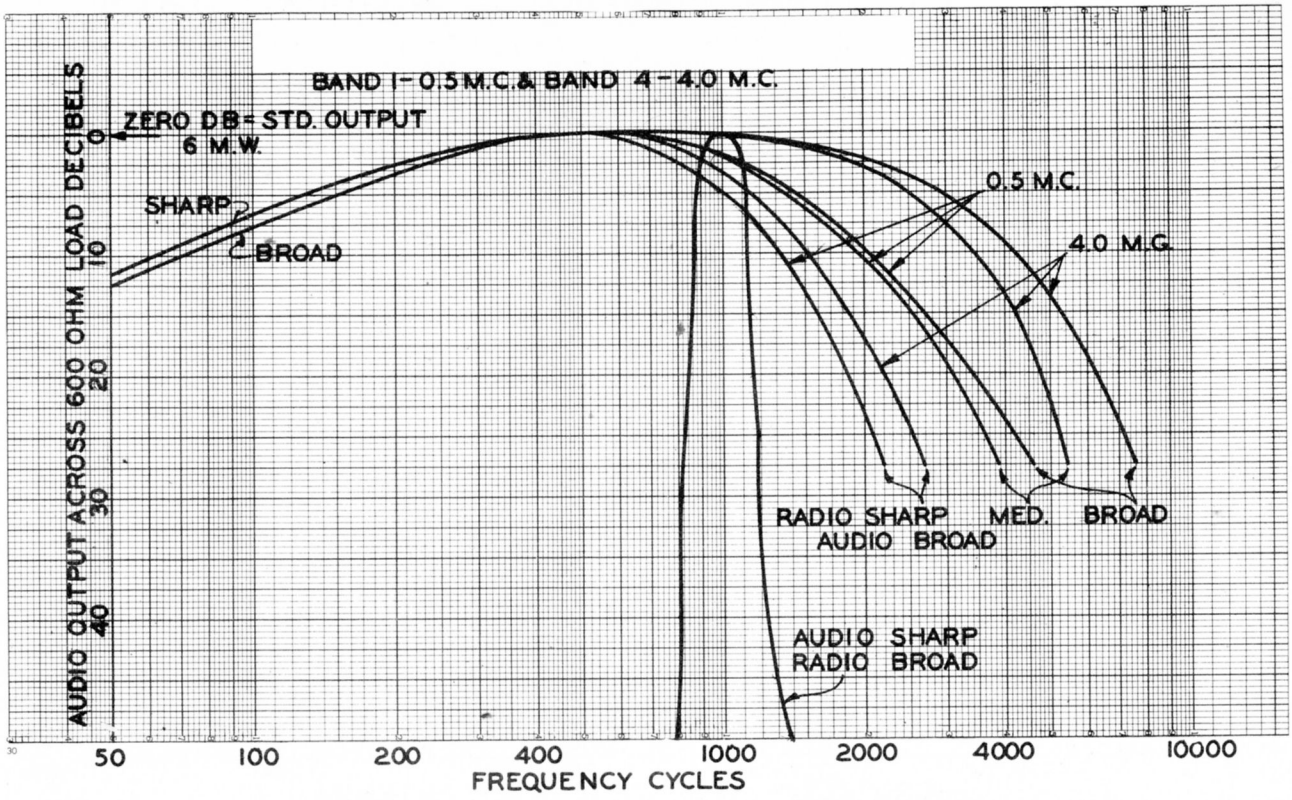


Figure 7-48 — Model RBB Radio Receiver, Overall Audio Fidelity (Average Curves, S-880035)

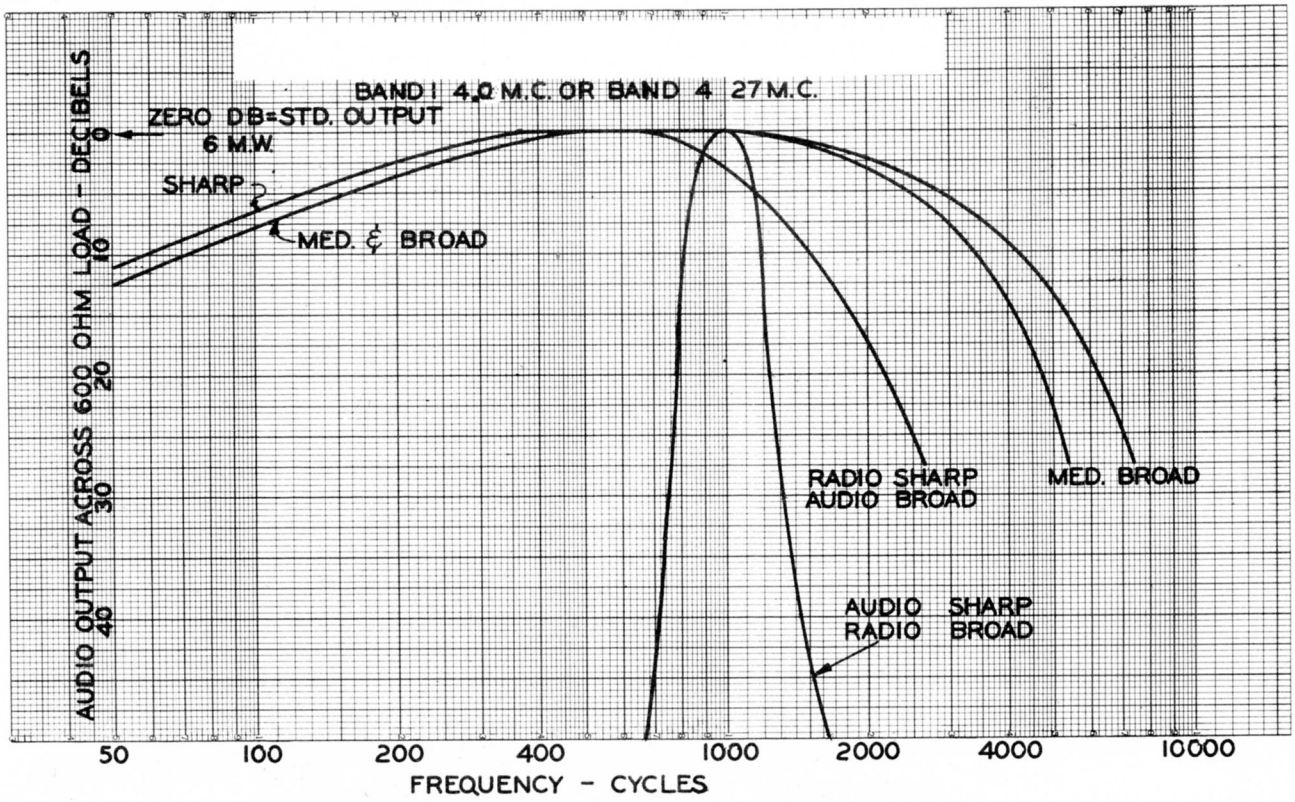


Figure 7-49 — Model RBC Radio Receiver, Overall Audio Fidelity (Average Curves, S-880036)

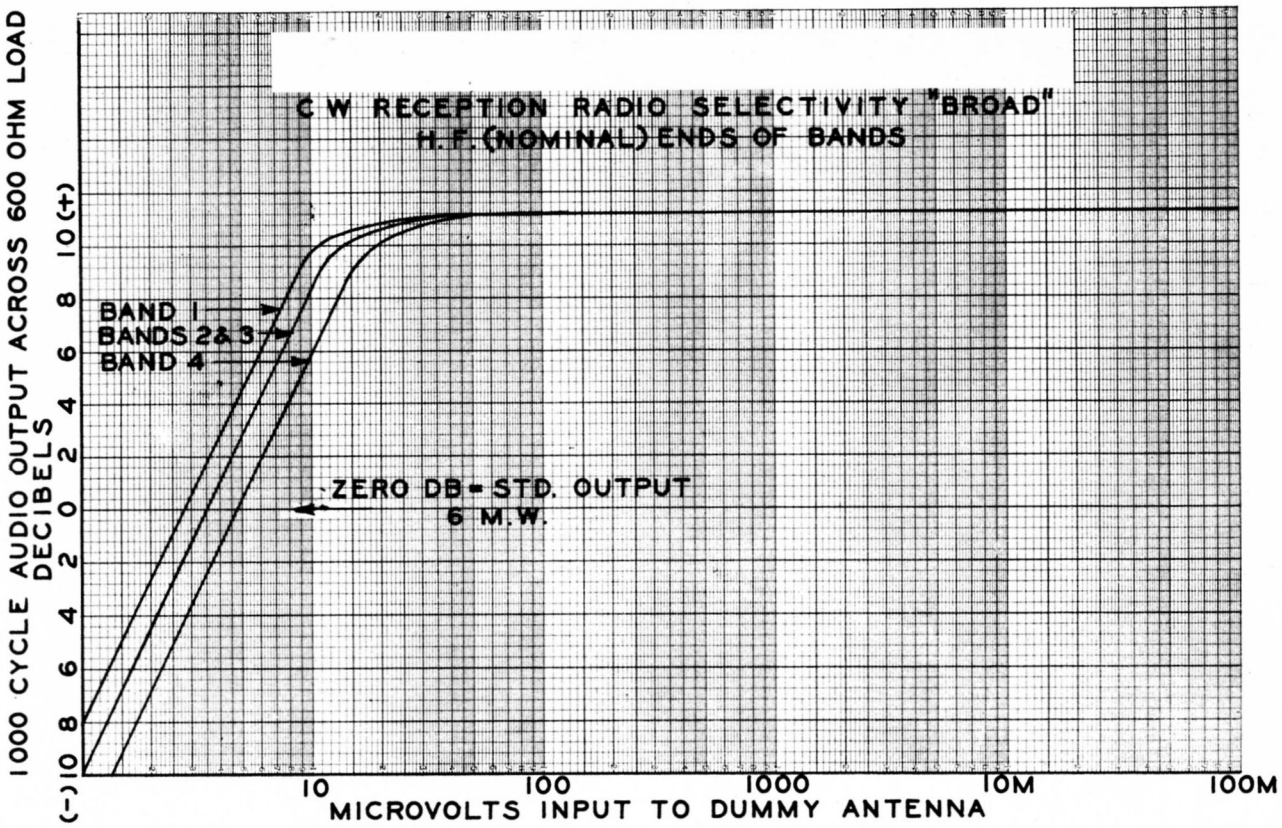


Figure 7-50 — Model RBB Radio Receiver, Resonant Overload
(Average Curves, S-880037)

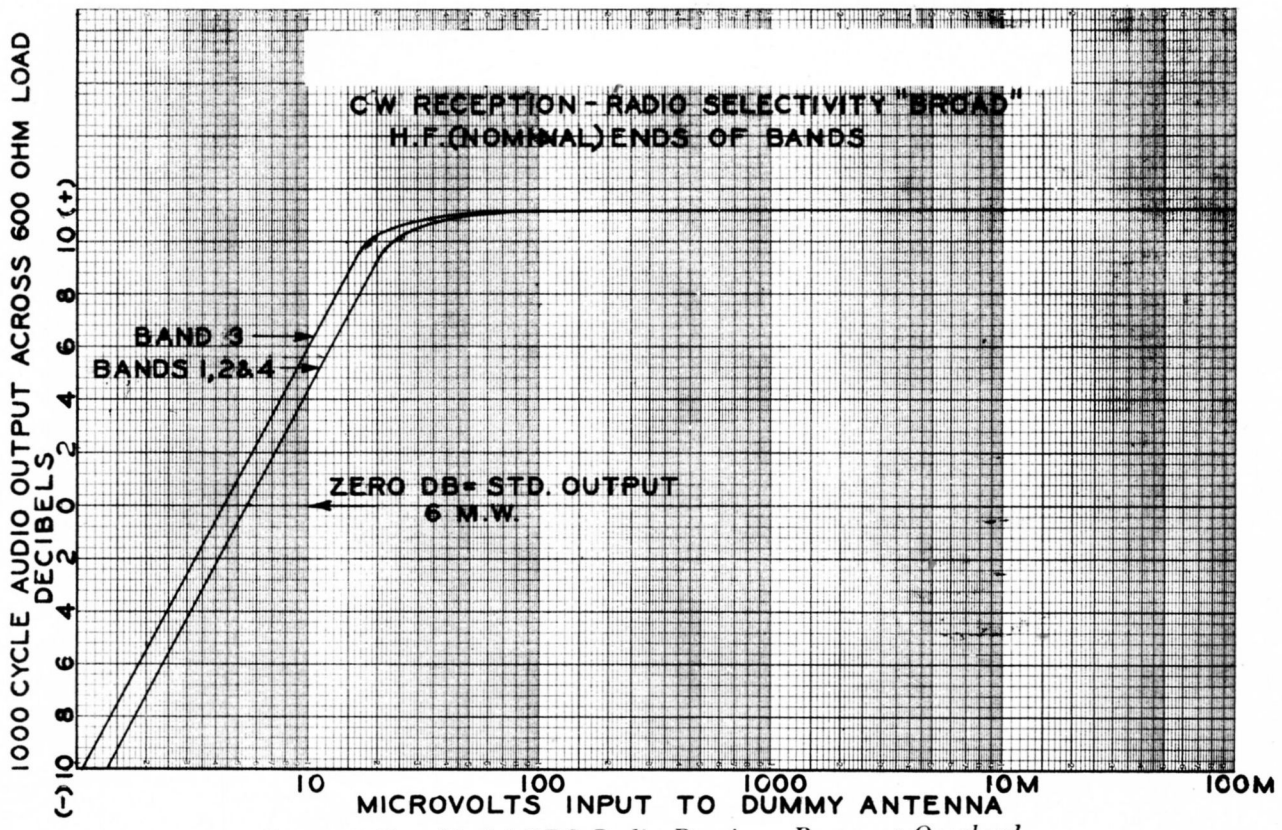


Figure 7-51 — Model RBC Radio Receiver, Resonant Overload
(Average Curves, S-880038)

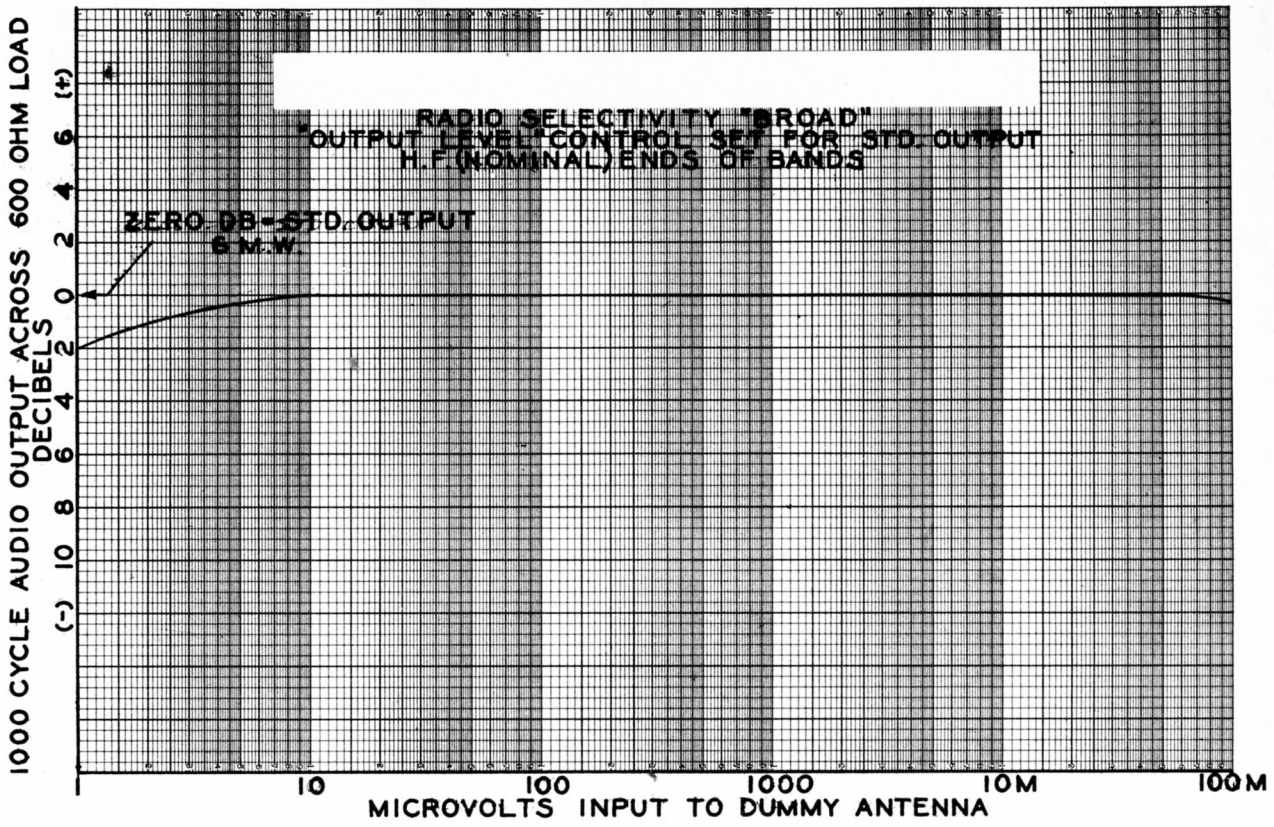


Figure 7-52 — Model RBB Radio Receiver, Automatic Volume Control (Average Curves, S-880039)

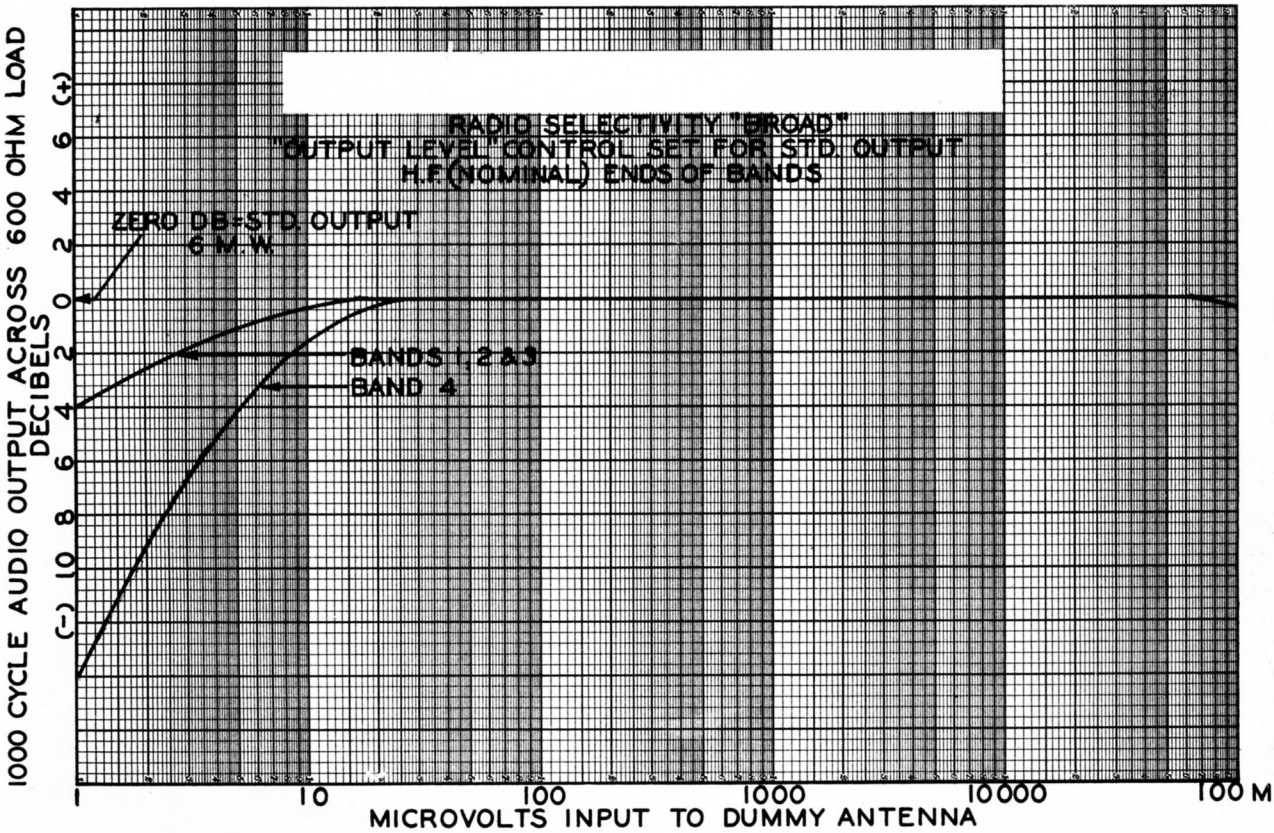


Figure 7-53 — Model RBC Radio Receiver, Automatic Volume Control (Average Curves, S-880040)

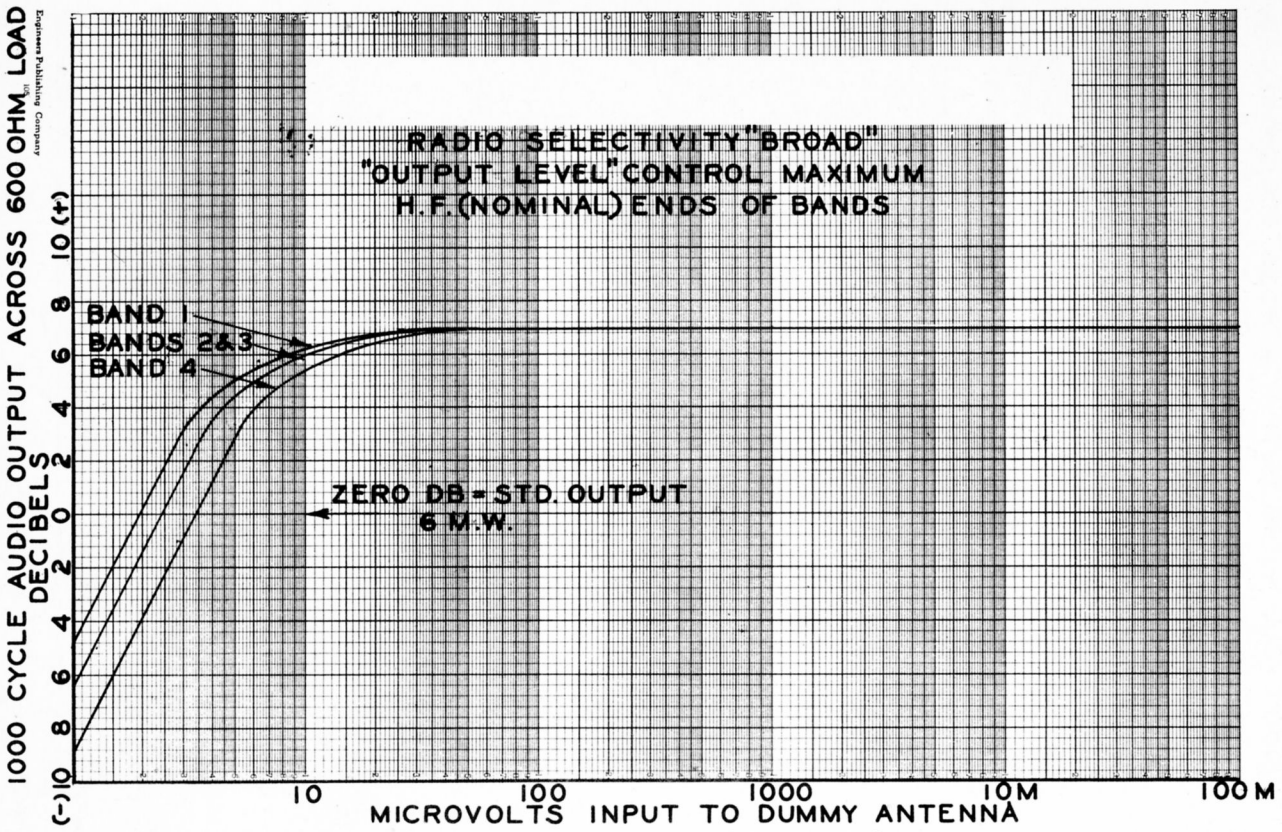


Figure 7-54 — Model RBB Radio Receiver, Output Limiter (Average Curves, S-880041)

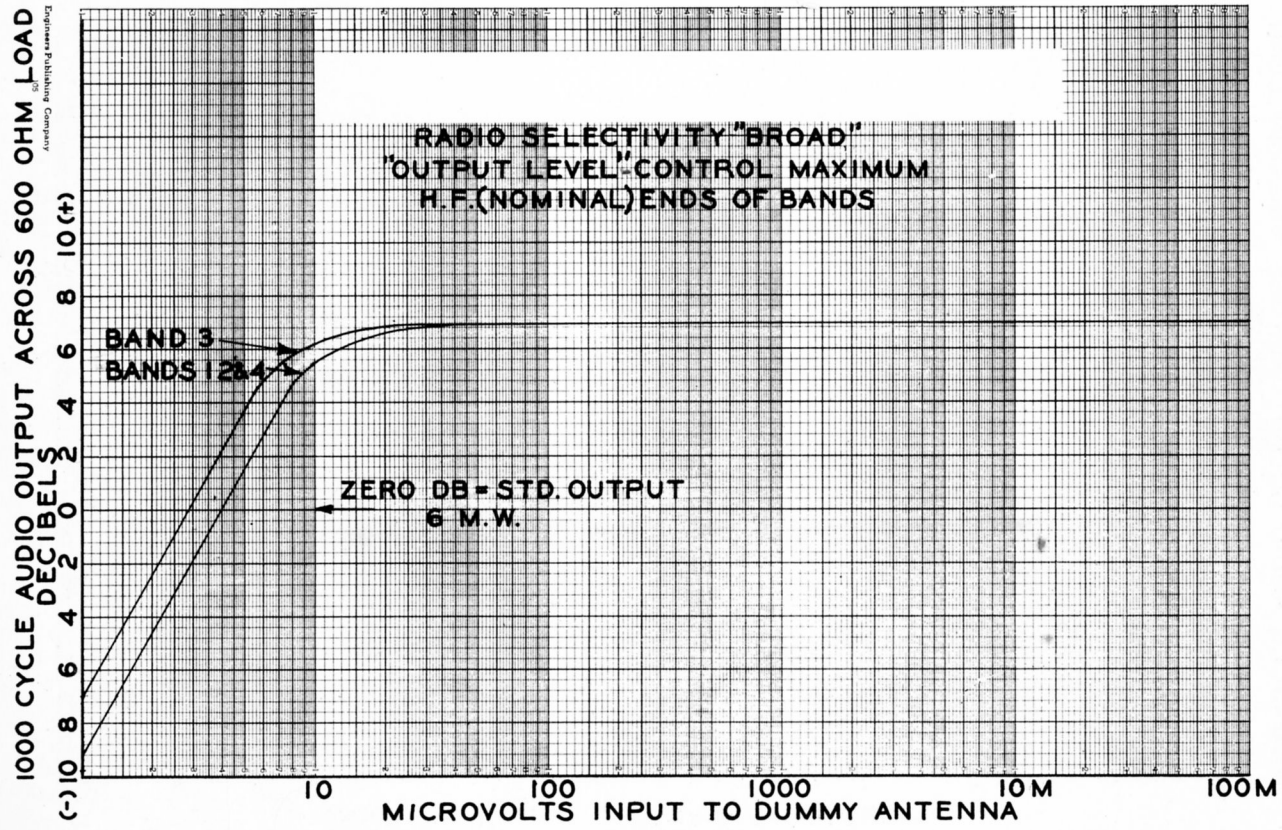


Figure 7-55 — Model RBC Radio Receiver, Output Limiter (Average Curves, S-880042)