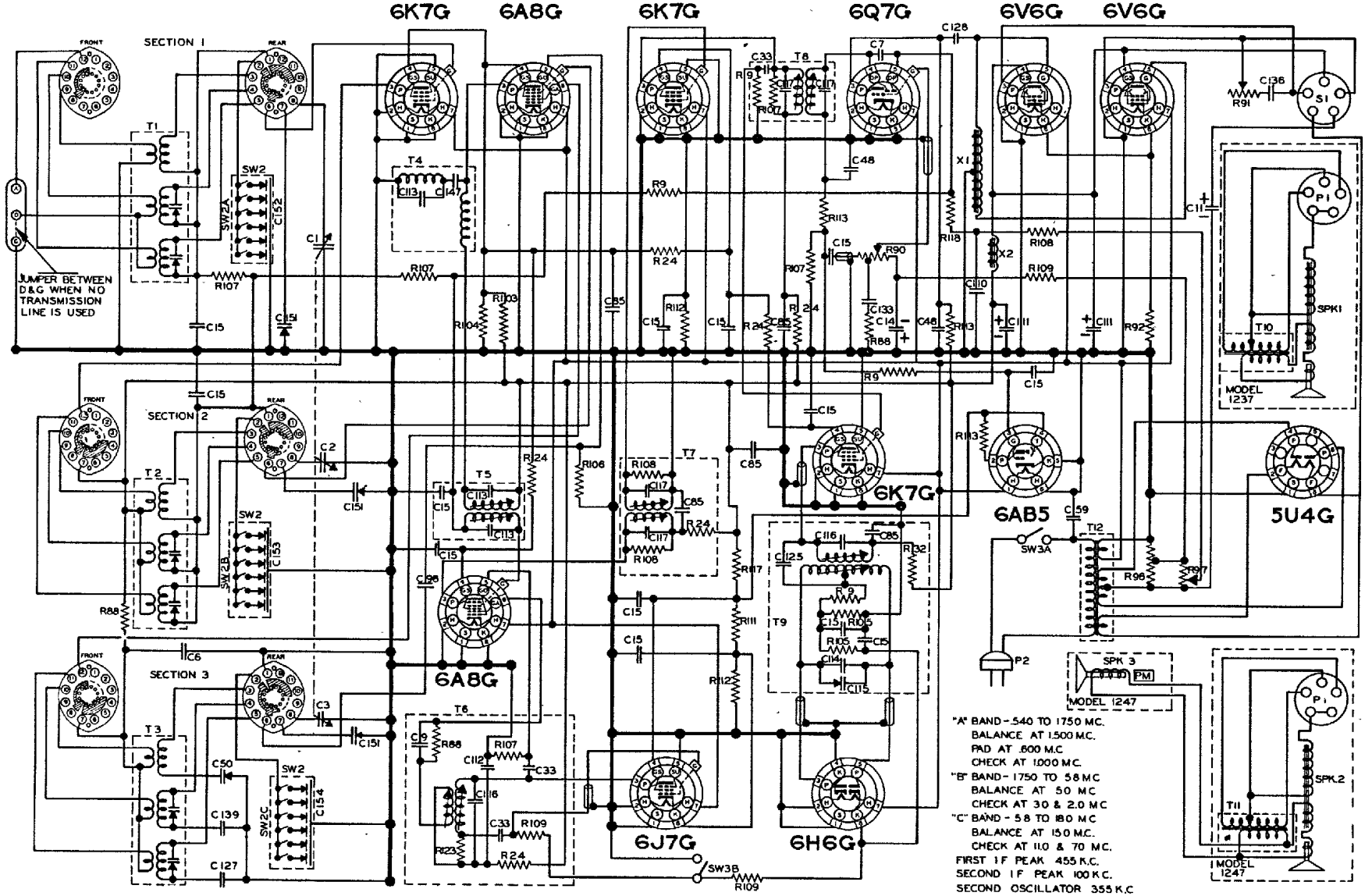

CHASSIS 1237D

ARVIN

HOME RADIO

Tube	Heater	Plate	Screen	Cathode	Suppressor	‡ Grid	Anode Grid	Osc. Grid	Target
6K7G	6.3	250	95	0	0	3.6	....	....	....
6A8G	6.3	250	95	0	.....	3.6	150	—17	....
6A8G	6.3	250	90	0	.....	3.4	165	— 4	.....
6K7G	6.3	250	90	4.2	0	6.1	.....	....	.....
6J7G	6.3	250	90	4.5	0	5.5	.....	....	.....
6K7G	6.3	215	90	0	0	.7	....	.....	.....
6Q7G	6.3	130	.....	0	....	.....	.....	.....	....
6H6G	6.3	.....	.....	‡.5	....	....	.....	.....	....
6V6G	6.3	245	250	....	....	0	....	.....	....
6V6G	6.3	245	250	....	.....	6.8	.....	.....	.....
6AB5	6.3	*250	.....	.....	....	....	.....	....	250
5U4G	5.0	330		325	....	....	....	.....	.....

* Taken through 1,000,000 Ω resistor.
‡ Measured with a vacuum tube voltmeter.
§ No signal, measured with vacuum tube voltmeter

MODELS 1237, 1237D, 1247, 1247D

Coils Listed Below Contain Other Circuit Parts Not Shown on Chassis Plan Views.

T4—455 K. C. Band Pass Filter *(Contains the Following Parts)*

1-C113	.0002 mfd. 600 V.	17-14143
1-C147	.0005 mfd. 600 V.	17-14215

T5—455 K. C. I. F. Trans. 00-13779 *(Contains the Following Parts)*

2-C113	.0002 mfd. 600 V.	17-14143
2-C115	.05 mfd. 200 V.	17-14036

T6—355 K. C. Osc. Coil 00-13782 *(Contains the Following Parts)*

1-R24	1,000 Ω ½ w.	17-2065
1-R123	100 Ω ½ w.	17-14188
1-R109	500,000 Ω ½ w.	17-14174
2-C34	.00005 mfd. 600 V.	17-14047
1-C116	.0005 mfd. 600 V.	17-14151
1-C112	.05 mfd. 400 V.	17-14139
1-R107	100,000 Ω ½ w.	17-14172
1-C9	.001 mfd. 600 V.	17-4292
1-R88	18,000 Ω ½ w.	17-14135

T7—100 K. C. Input Trans. 00-13780 *(Contains the Following Parts)*

2-R108	2,000,000 Ω ½ w.	17-14173
2-C117	.0004 mfd. 600 V.	17-14142
1-C85	.1 mfd. 400 V.	17-14101
1-R24	1,000 Ω ½ w.	17-2065

T8—100 K. C. I. F. Output Trans. 00-13781 *(Contains the Following Parts)*

2-C117	.0004 mfd. 600 V.	17-14142
1-R9	1,000,000 Ω ½ w.	17-2080
1-R107	100,000 Ω ½ w.	17-14172

T9—100 K. C. Discriminator Coil 00-13783 *(Contains the Following Parts)*

1-C115	.00007 mfd. 600 V.	17-14149
1-C114	.0003 mfd. 600 V.	17-14148
2-R105	50,000 Ω ½ w.	17-14169
2-C15	.05 mfd. 200 V.	17-14036
1-R9	1,000,000 Ω ½ w.	17-2080
1-C85	.1 mfd. 400 V.	17-14101
1-C125	.00001 mfd. 600 V.	17-14166
1-C116	.0005 mfd. 600 V.	17-14151
1-R32	3,000 Ω ½ w.	17-2090

CONDENSERS

C	CAPACITY	VOLT	PART NO
1	THREE GANG		17-15780
2			
3	VARIABLE		
4	.002	600	17-2083
5	.0001	600	17-2084
9	.001	600	17-4292
11	.16	475	7-14002
14	.12	25	7-14005
15	.05	200	7-14036
33	.00005	600	17-14047
46	.00025	600	7-4217
52	PADDER	600	17-14070
58	.01	400	17-14115
65	.1	400	17-14101
86	.02	600	17-14105
88	.000075	600	17-4122
110	.1	200	17-14137
111	.16	400	17-14138
112	.05	400	17-14139
113	.0002	600	17-14143
114	.0003	600	17-14148
115	.00007	600	17-14149
116	.0005	600	17-14151
117	.0004	600	17-14142
118	.0005	600	17-14151
119	.0002	600	17-14142
120	.04	600	17-14198
139	.00155	600	17-14208
147	.0008	600	17-14215
151	15-38 MMF	PADDER	17-14216
152	STRIP OF SIX PADDERS		17-14212
153	STRIP OF SIX PADDERS		17-14213
154	STRIP OF SIX PADDERS		17-14214

RESISTORS

R	OHM	W	PART NO
8	1M	½	17-2060
13	75K	½	17-2087
24	1K	½	17-2063
32	3K	½	17-2090
88	15K	½	17-14155
90	500K	VC	17-13795
91	100K	TC	17-13798
92	150	2	17-14141
96	35	1	17-14156
97	800	VAR	17-14157
103	8K	10	17-14184
104	10K	2	17-14185
105	50K	½	7-14189
106	90K	½	17-14171
107	100K	½	17-14172
108	200K	½	17-14173
109	500K	½	17-14174
111	20K	½	17-14178
112	500	½	17-14177
113	250K	½	17-4178
117	20K	½	17-14182
118	500K	½	17-14183
123	100	½	17-14168

CHOKES

K	TYPE	PART NO
1	AUDIO INPUT	00-13086
2	*B FILTER	00-13775

TRANSFORMERS

T	TYPE	PART NO
1	ALLWAVE ANT COIL	00-13727
2	ALLWAVE R F COIL	00-13728
3	ALLWAVE OSC COIL	00-13729
4	455 K C BAND PASS	00-13853
5	455 K C I F COIL	00-13779
6	355 K C OSC COIL	00-13782
7	100 K C I F INPUT	00-13780
8	100 K C I F OUTPUT	00-13781
9	100 K C DISCRIMINATOR	00-13783
10	OUTPUT TRANS 1237	17-13723
11	OUTPUT TRANS 1247	17-13790
12	POWER TRANS	00-13774

MISCELLANEOUS UNITS

SYMBOL	DESCRIPTION	PART NO
SW1	BAND SWITCH ASSEMBLY	17-13552
SW2ABC	PUSH BUTTON SWITCH LESS PADDERS	17-13560
SW 2	PUSH BUTTON SWITCH ASSY WITH PADDERS	28-13551
SW 3	AC & AFC "ON-OFF" SWITCH	17-15797
S1	SPEAKER SOCKET	17-4153
P1	SPEAKER PLUG	
P2	PLUG & LINE CORD ASSEMBLY	17-13791
SPK1	DYNAMIC SPEAKER - MODEL 1237	17-13723
SPK 2	DYNAMIC SPEAKER - MODEL 1247	17-13789
SPK 3	P M DYNAMIC SPEAKER MODEL 1247	17-13791

ARVIN

MODELS 1237, 1237D, 1247, 1247D

1247D SOCKET VOLTAGES

COIL, TRANSFORMER AND SPEAKER RESISTANCES

T1—Antenna Coil

B. C. Primary	190 Ω
B. C. Secondary	3.6 Ω
Mid-Band Pri.	.6 Ω
Mid-Band Sec.	.17 Ω
S. W. Primary	.5 Ω
S. W. Secondary	.02 Ω

T2—R. F. Coil

B. C. Primary	2.7 Ω
B. C. Secondary	3.6 Ω
Mid-Band Pri.	.4 Ω
Mid-Band Sec.	.2 Ω
S. W. Primary	1.0 Ω
S. W. Secondary	.04 Ω

T3—Oscillator Coil

B. C. Primary	1.9 Ω
B. C. Secondary	.4 Ω
Mid-Band Pri.	.17 Ω
Mid-Band Sec.	.03 Ω
S. W. Primary	.03 Ω
S. W. Secondary	.015 Ω

T4—455 K. C. Band Pass Filter

Shunt Coil	4.5 Ω
Plate Coil	1.0 Ω

T5—455 K. C. I. F. Trans.

Primary	6.4 Ω
Secondary	6.4 Ω

T6—355 K. C. Osc. Coil

Primary	20,000 Ω
Secondary	1,100 Ω

T7—100 K. C. 1st I. F. Trans.

Primary	1,000 Ω
Secondary	31.5 Ω

T8—100 K. C. 2nd I. F. Trans.

Primary	31.5 Ω
Secondary	31.5 Ω

T9—100 K. C. Discriminator Coil

Primary	3,000 Ω
Secondary (Tapped)	36.5 Ω

T10—Output Transformer

1237 Primary	340-0-340 Ω
Secondary	1.5 Ω
1247 Primary	340-0-340 Ω
Secondary	.09 Ω

T11—Power Transformer

Primary	2.7 Ω
Hi-Volt Secondary	704-704 Ω
5 Volt Secondary	.04 Ω
6 Volt Secondary	.04 Ω

T12—

X-2 B Filter Choke	2,300-0-2,700 Ω
SPK. 1 Speaker Field	350 Ω
SPK. 2 Speaker Field	350 Ω
Speaker Voice Coil	3 Ω