

NOTE RANGE SWITCH SHOWN IN SHORT WAVE POSITION.

SOCKET VOLTAGES

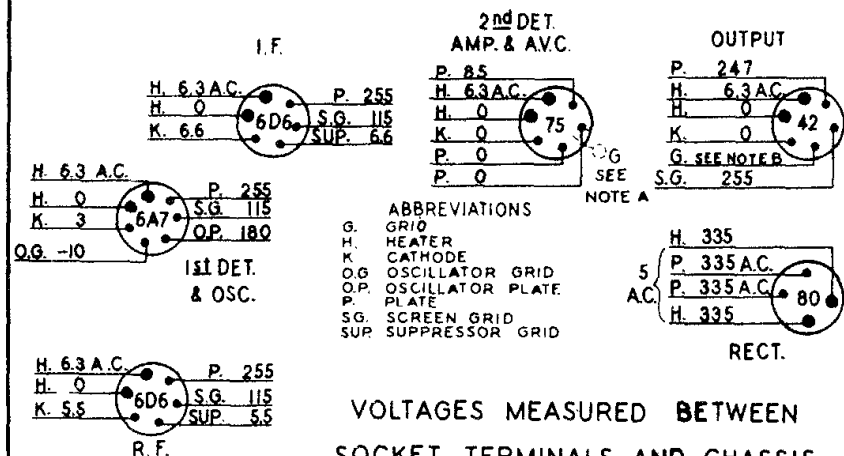
LINE VOLTAGE 115 VOLTS VOLUME CONTROL ON FULL ANTENNA GROUNDED
RANGE SWITCH SET ON BROADCAST POSITION DIAL TUNED TO 540 KC.

REAR OF CHASSIS - BOTTOM VIEW

1F	2nd DET. AMP. & AVC	OUTPUT
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	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
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312

LINE VOLTAGE 115 VOLTS VOLUME CONTROL ON FULL ANTENNA GROUNDED
RANGE SWITCH SET ON BROADCAST POSITION DIAL TUNED TO 540 KC.

I.F. FREQUENCY
456 KC.



VOLTAGES MEASURED BETWEEN
SOCKET TERMINALS AND CHASSIS

NOTE B: The grid bias on the 42 output tube is —16 volts, measured across the resistors 21A and 21B.

Diag. No.	Part No.	DESCRIPTION	Diag. No.	Part No.	DESCRIPTION
1	81630	.1 mfd. 175 volt paper condenser.....	22A }	85073	{Volume Control (250,000 ohm) }
2	83011	.004 mfd. 600 volt paper condenser.....	22B }		{Line Switch }
3	83072	510,00 ohm 1/4 watt carbon resistor.....	23	85074	Tone Control (500,000 ohm).....
4	83080	51,000 ohm 1/4 watt carbon resistor.....	24	85075	Dual .01 mfd. 750 volt paper condenser.....
5	83082	260,000 ohm 1/4 watt carbon resistor.....	25	85116	25,000 ohm 1/2 watt carbon resistor.....
6	83219	.01 mfd. 600 volt paper condenser.....	26	85117	1,000 ohm 1/2 watt carbon resistor.....
7	83440	.1 mfd. 400 volt paper condenser.....	27	85285	Padding trimmer.....
8	83539	260 mmfd. mica condenser.....	28	85428	Power transformer, 115 volt 60 cycle.....
9	83706	.006 mfd. 600 volt paper condenser.....	29	35441	420 mmfd. mica condenser.....
10	84198	110,000 ohm 1/4 watt carbon resistor.....	30	85442	21,000 ohm 1/2 watt carbon resistor.....
11	84235	1.1 megohm 1/4 watt carbon resistor.....	31	85454	11 mmfd. mica condenser.....
12	84312	Output transformer (on R-227-A Spkr.).....	32	85788	1st I.F. transformer.....
13	84506	Diaphragm and shell assembly for (R-227-A Spkr.).....	33	85789	2nd I.F. transformer.....
14	84507	Field coil and housing for (R-227-A Spkr.).....	34 A to C	85790	Three gang condenser.....
15	84759	Pilot lamp, 6-8 volt.....	35 A to C	85791	Range switch.....
16	84888	300 ohm 1/2 watt W.W. resistor.....	36	85792	16 mfd. 475 volt electrolytic condenser.....
17	85053	.05 mfd. 100 volt paper condenser.....	37	85793	16 mfd. 475 volt electrolytic condenser.....
18	85059	.05 mfd. 300 volt paper condenser.....	38	85829	Antenna coil and shield assembly.....
19	85061	51 mmfd. mica condenser.....	39	85830	R.F. coil and shield assembly.....
20	85063	15,000 ohm 2 watt carbon resistor.....	40	85831	Oscillator coil and shield assembly.....
21A }	85067	{ 20 ohm	41	85837	.00194 mfd. mica condenser.....
21B }		{ 220 ohm			
		Bias resistor (wire wound).....			