

WIRING DIAGRAMS AND PARTS LISTS

PHILCO

REG. U.S. PAT. OFF.

BALANCED UNIT RADIO RECEIVERS

Models are arranged numerically. The first is Model 3; the last is Model 511. Models that have similar chassis, as Models 89 and 19, are placed under a single number insofar as sequence is concerned.

Thus arranged are:

Model 22, see Model 71

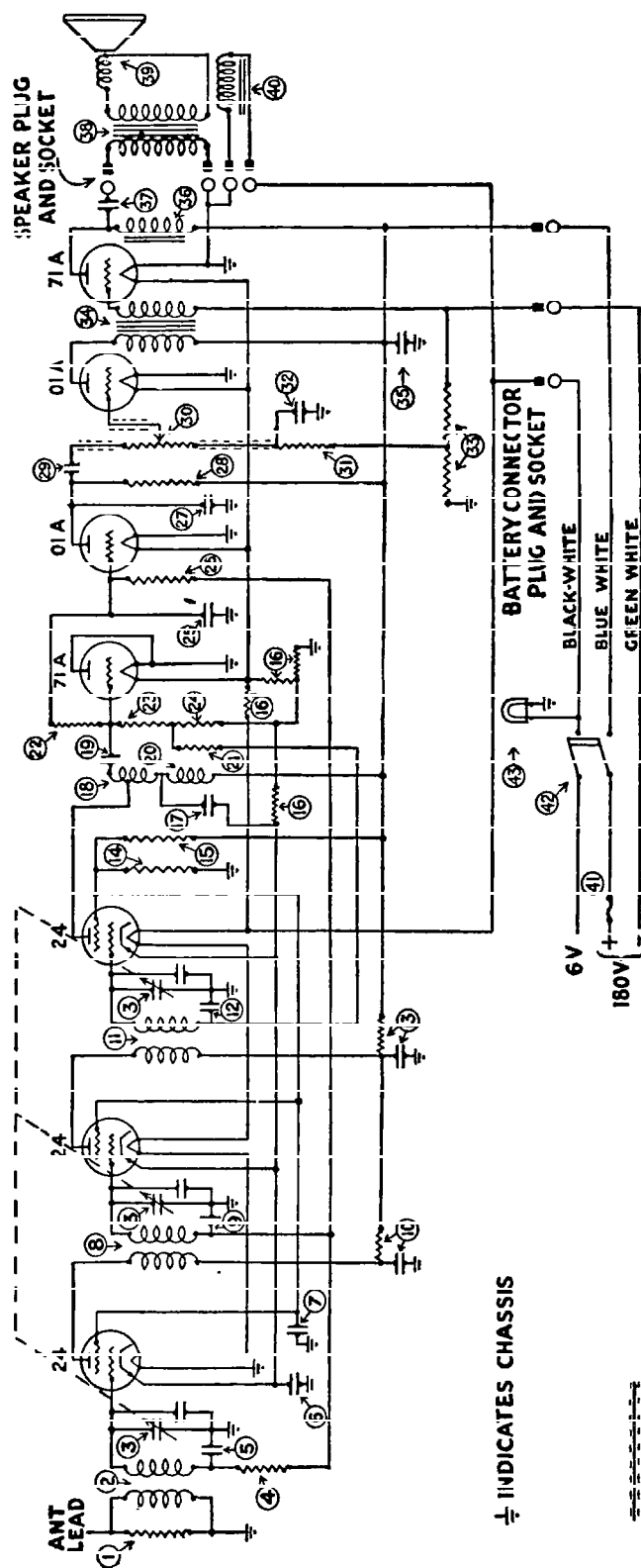
Model 89, see Model 19

" 23, " " 14

" 91, " " 14

" 25, " " 43

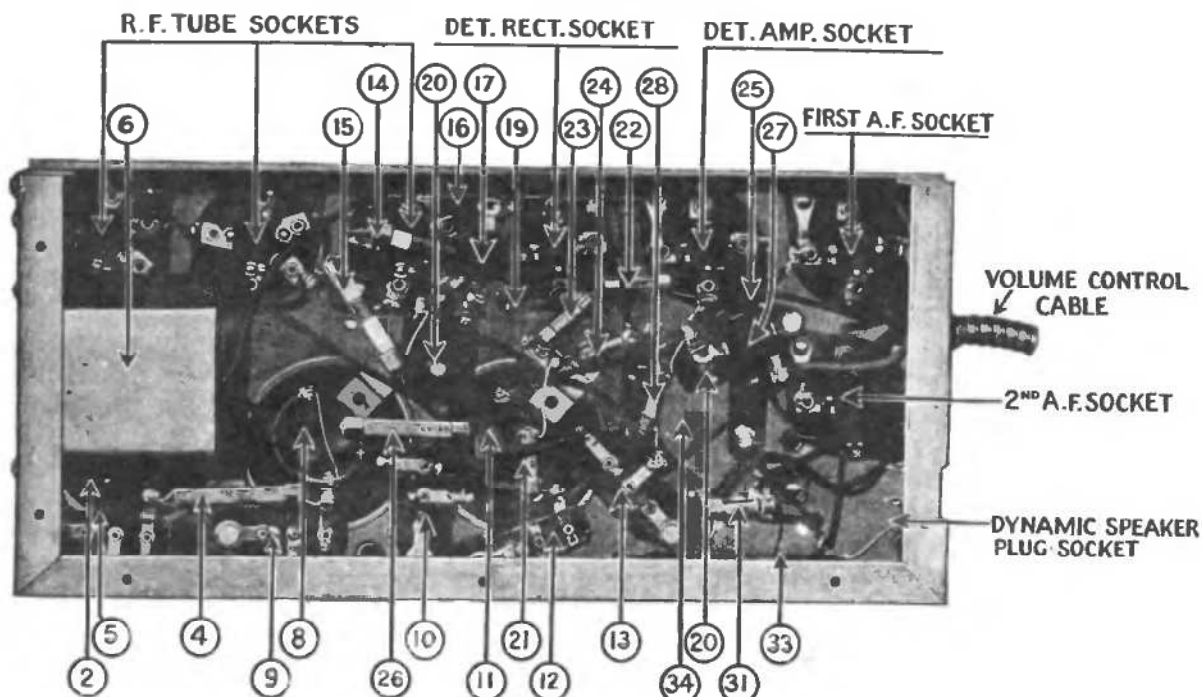
Model 3



⊥ INDICATES CHASSIS

----- INDICATES GROUNDED SHIELDING

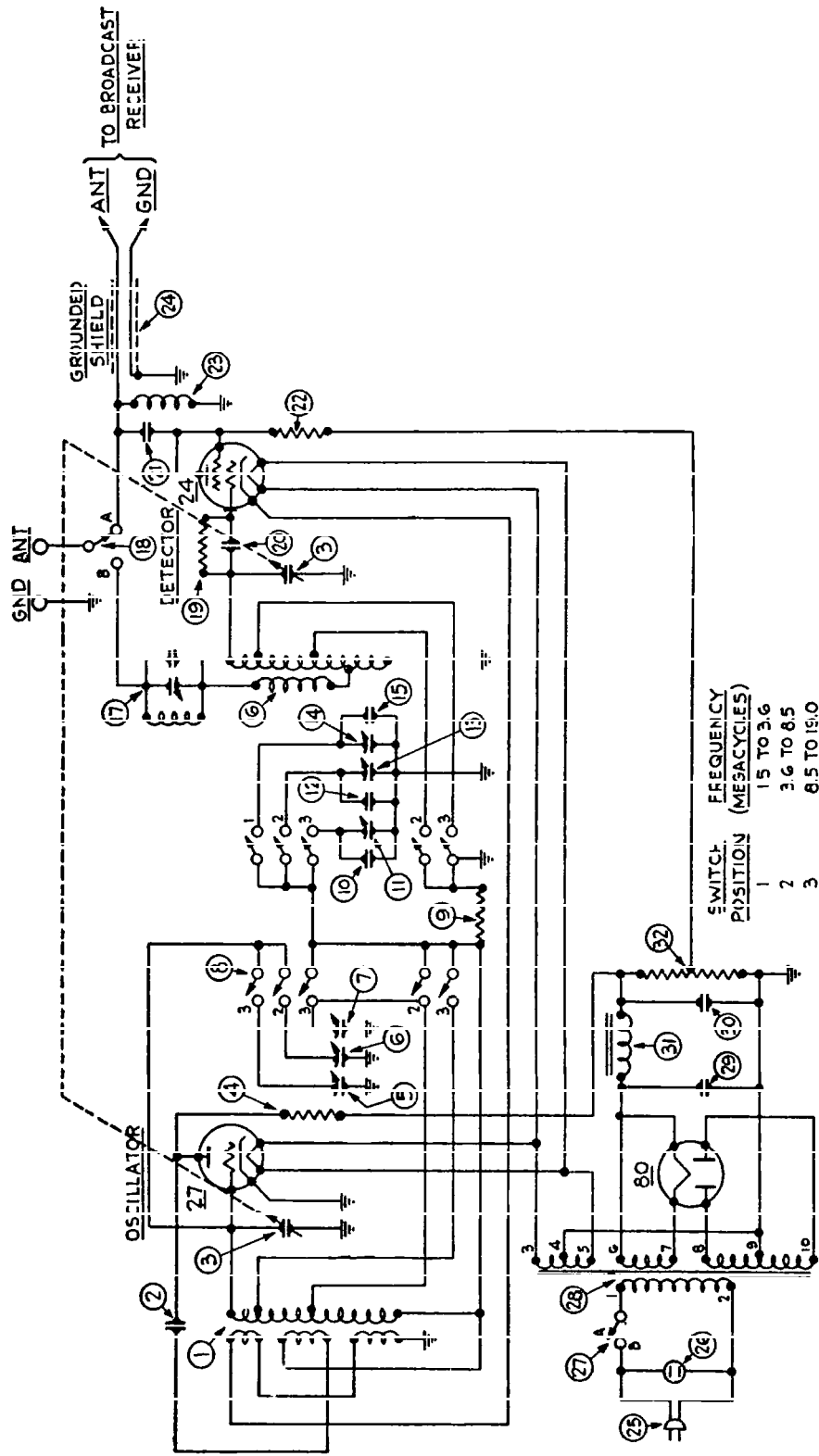
Model 3



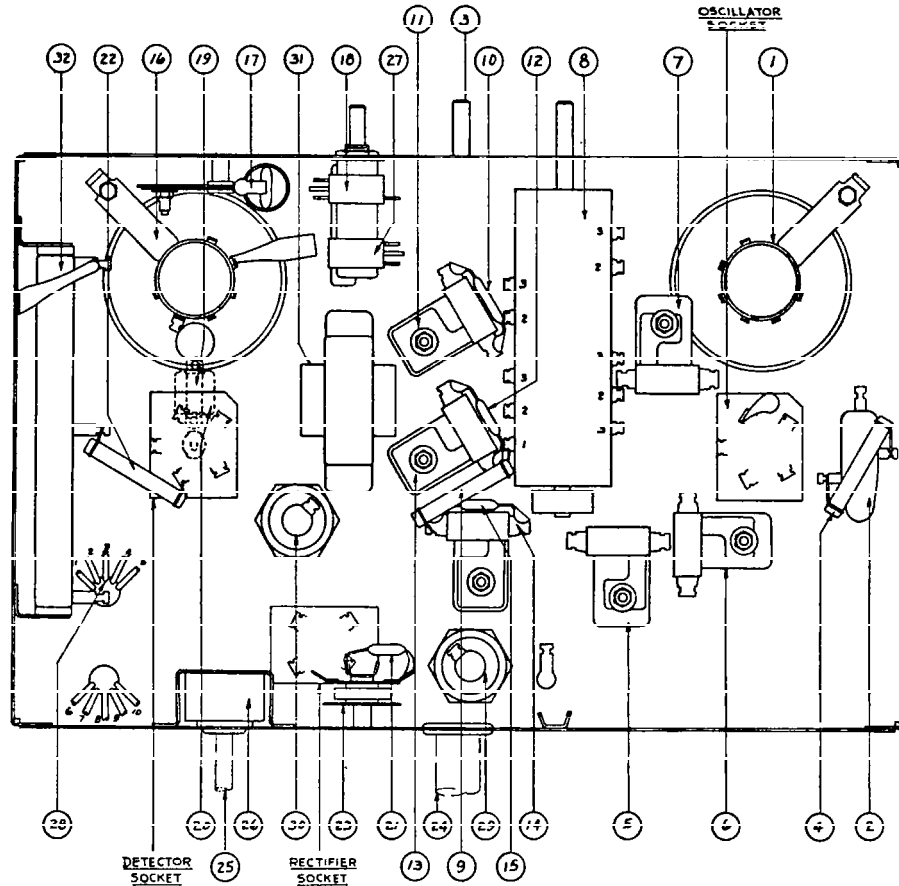
REPLACEMENT PARTS—MODEL 3 TRANSITONE RECEIVERS

No. on Figs. 1 and 2	Description	Part No.	Net Price	Description	Part No.	Net Price
①	Resistor (10,000 ohms— $\frac{1}{2}$ watt)	4412	.12	Speaker Plug and Cable	L-1163-A	.30
②	First R. F. Transformer	4401-A	.48	Battery Connector Plug	2802	.03
③	Tuning Condenser	4372-A	3.30	Battery Plug Receptacle	4406	.05
④	Resistor (100,000 ohms—1 watt)	3767	.12	224 Socket	4416	.12
⑤	Condenser (.05 mfd)	3615-N	.12	171-A Socket	4415	.10
⑥	Condenser (1.0 mfd)	4413	.24	201-A Socket	4415	.10
⑦	Condenser (.25 mfd)	4487	.24	"B" Battery Compartment	4465	1.95
⑧	Second R. F. Transformer	4401-B	.36	Battery Box Lid	4467	.33
⑨	Condenser (.05 mfd)	3615-N	.12	Screws (Housing)	W-274-A	per C .18
⑩	Condenser and Resistor (.05 mfd with 250 ohms)	3615-P	.18	Lock Washers	W-291	per C .18
⑪	Third R. F. Transformer	4401-B	.36	Knobs	4523	.09
⑫	Condenser (.05 mfd)	3615-N	.12	Flexible Condenser Drive Shaft	4505	.78
⑬	Condenser and Resistor (.05 mfd with 250 ohms)	3615-C	.18	Dial Insulator for Volume Con- trol	4461	.21
⑭	Resistor (50,000 ohms—1 watt)	4237	.12	Distributor Resistor	4516	.30
⑮	Resistor (25,000 ohms—1 watt)	3656	.12	Spark Plug Resistor	4531	.30
⑯	Resistor (4-section)	4407	.27	Volume Control Housing	4541	.09
⑰	Condenser (.00025 mfd)	3082	.12	Bezel Plate	4443	.15
⑱	Fourth R. F. Transformer	3775-B	.42	Dial	4461	.21
⑲	Condenser (.00005 mfd)	3774	.15	Fuse Holder	4593	.18
⑳	R. F. Choke	3256-A	.15	Gear Wheel	4385	.15
㉑	Resistor (1,000,000 ohms— $\frac{1}{2}$ watt)	4409	.12	Set Screws	W-520	.02
㉒	Resistor (250,000 ohms— $\frac{1}{2}$ watt)	4410	.12	Drive Shaft Coupling	4434	.09
㉓	Resistor (100,000 ohms— $\frac{1}{2}$ watt)	4411	.12	Cover Plate (Comp. Cond.)	4427	.03
㉔	Condenser (.00025 mfd)	3082	.12	Cover Plate (Front)	4374	.33
㉕	Resistor (1,000,000 ohms—1 watt)	4414	.12	Dial Pinion Shaft	4387	.08
㉖	Condenser (.00025 mfd)	3082	.12	Dial Drive Pinion	4386	.18
㉗	Resistor (100,000 ohms— $\frac{1}{2}$ watt)	4411	.12	Worm	4370	.02
㉘	Volume Control	4463	.75	Worm Shaft	4383	.06
㉙	Resistor (250,000 ohms— $\frac{1}{2}$ watt)	4410	.12	Ball (Worm Adj.)	4475	.01
㉚	Condenser (.25 mfd)	4487	.24	Side Gasket	4472	.02
㉛	Resistor (2-section)	4408	.18	Bottom Gasket	4473	.02
㉜	Audio Transformer	3241	1.65	Side Gasket	4477	.02
㉝	Condenser (2.0 mfd)	4418	.90	Condenser Shaft Gasket	4478	.02
㉞	Audio Choke	4485	.90	Sub-Base Gasket	4479	.02
㉟	Output Condenser (1.0 mfd)	4420	.36	Top Gasket	4480	.02
㊱	Output Transformer	2706	1.20	Parting Gasket	4481	.03
㊲	Voice Coil and Cone	2769-B	.45	Shield Gasket	4483	.02
㊳	Field Coil	2707	2.40	Cover Gasket	4484	.02
㊴	Fuse	4540	.03	Tube-Side Gasket	4488	.02
㊵	Lock Switch (With Keys)	4462	.36	Interference Condenser	4522	.60
㊶	Pilot Lamp	4567	.11	Nuts (Control Panel)	W-434	per C .75
				Front Cover	4470	.75
				B Cable	L-1160-A	.60
				A Cable	L-1169-A	.90
				Battery Box Coupling	4524	.10
				Battery Cable and Plug	L-1164-A	.60
				Volume Control Cable Housing	4541	.09
				Rubber Sleeving	4537	.02
				Pilot Lamp Assembly	4391-A	.18
				Fibre Wrench	3164	.09

MODEL 4 AND 4 C



MODEL 4 AND 4C



REPLACEMENT PARTS

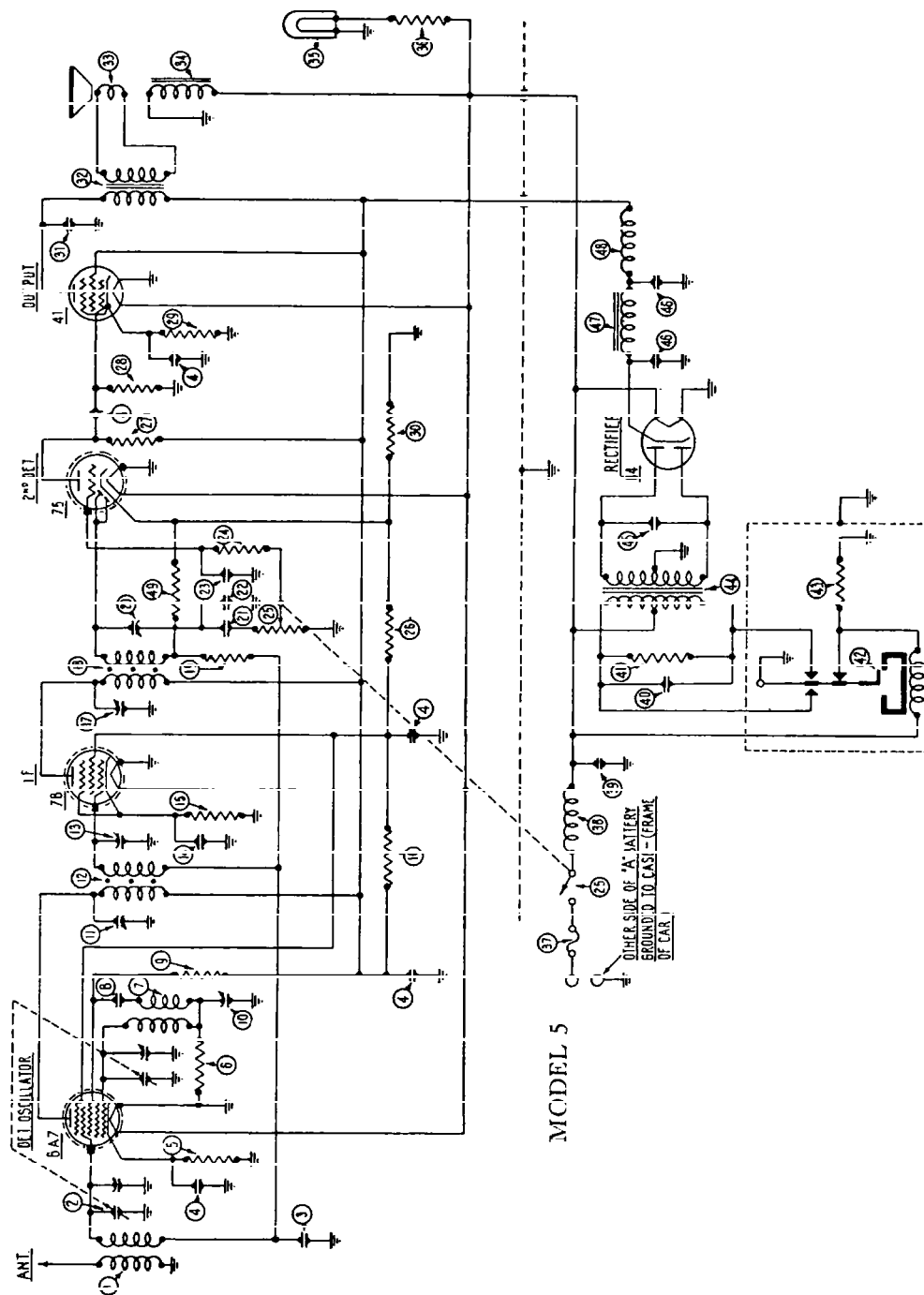
MODELS 4 AND 4C

No. on Figs. 1 and 2	Description	Part No.	DEALER NET PRICE
①	Oscillator Coil	03734*	.99
②	By-pass condenser (.05 mfd.)	3615-M	.11
②	Gang condenser	03692	1.95
④	Resistor (13,000 ohms)	3766	.12
⑥	Compensating condenser (19 MC end of top scale)	04000-E	.06
⑥	Compensating condenser (8.5 MC end of center scale)	04000-E	.06
⑥	Compensating condenser (3.6 MC end of bottom scale)	04000-E	.06
⑥	Frequency control switch	03751	1.80
⑥	Resistor (240,000 ohms)	3768	.12
⑩	Condenser (1800 mmf.)	6018	.18
⑩	Condenser (800 mmf.)	5078	.12
⑬	Compensating condenser (3.6 MC end of center scale)	04000-F	.10
⑭	Compensating condenser (1.5 MC end of bottom scale)	04000-F	.10
⑮	Condenser (250 mmf.)	3082	.12
⑮	Detector transformer	03734*	.99
⑲	Frequency filter	03662	.33

No. on Figs. 1 and 2	Description	Part No.	DEALER NET PRICE
⑳	Antenna switch (assembled with 27)	5796	.75
㉑	Resistor (2 Megohms) assembled with (20)	03879	.30
㉒	Condenser (110 mmf.) assembled with (19)	03879	.30
㉒	Condenser (200 mmf.)	5052	.12
㉒	Resistor (99,000 ohms)	3767	.12
㉓	R. F. choke	03893	.18
㉔	Shielded cable	L-1278	.60
㉕	Power cord and plug	L-943-A	.30
㉖	Outlet receptacle	5439	.24
㉗	"On-Off" switch (assembled with 18)	5796	.75
㉘	Power transformer—50-40 cycles	5785	2.10
	25-40 cycles	5786	3.45
㉙	Electrolytic condenser (6 mfd.)	4916	1.05
㉙	Electrolytic condenser (6 mfd.)	4916	1.05
㉚	Filter choke (50-60 cycles)	4951	.90
	Filter choke (25-40 cycles)	5930	.84
㉛	B.C. resistor (4750 each side of center), 50-60 cycles	5783	.30
	Resistor (200,000 ohms), 25-40 cycles	5525	.12
	Bezel	5175	.02
	Cabinet	40000	

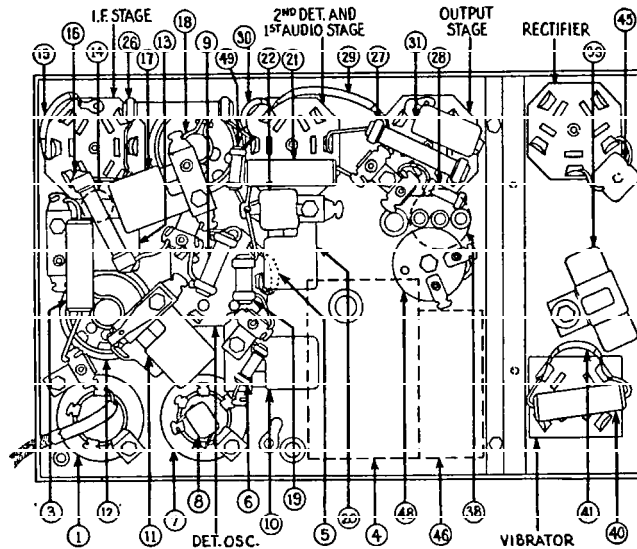
*Includes matched oscillator coil and detector transformer.

MODEL 5



MODEL 5

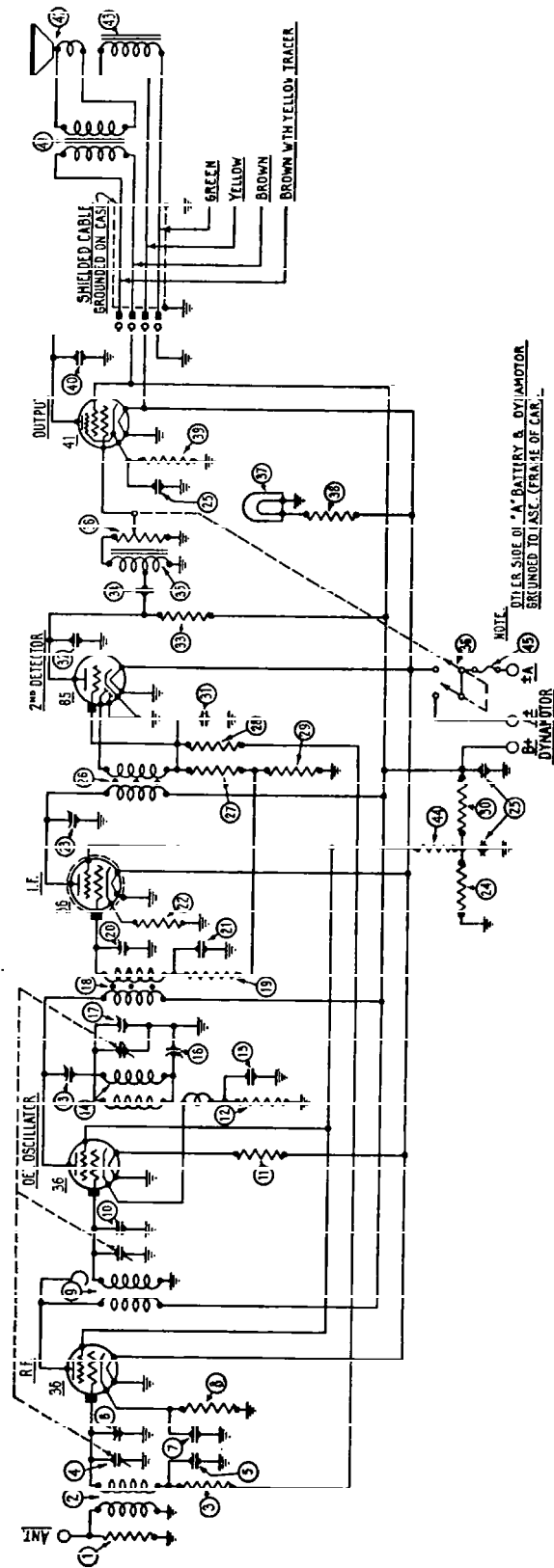
MODEL 5



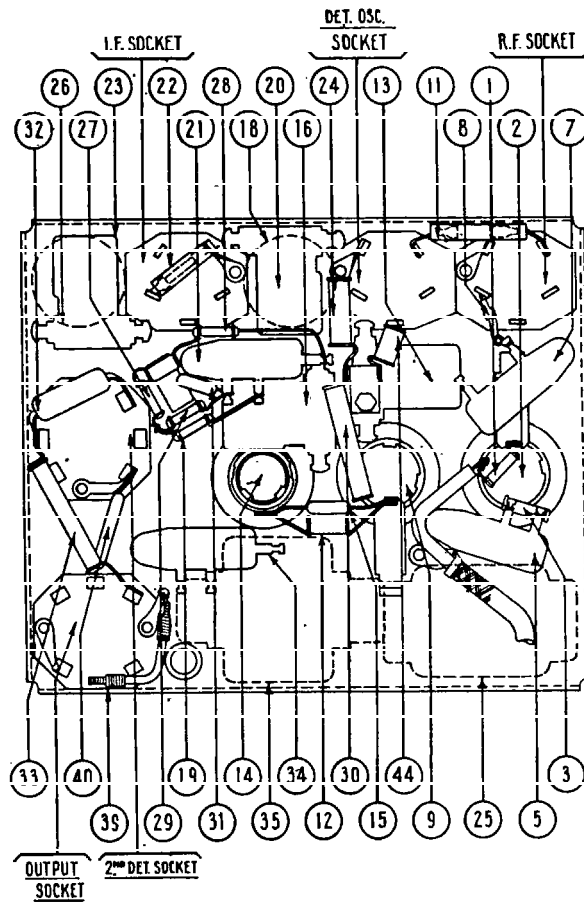
MODEL 5 PARTS LIST

No. on Fig. 1 and 2	Description	Part No.	NET PRICE	No. on Fig. 1 and 2	Description	Part No.	NET PRICE	DEALER NET PRICE
1	Antenna Transformer	32-1084	.24	38	R. F. Choke (Low voltage)	32-1083	.24	
2	Tuning Condenser	31-1019	1.80	39	Condenser (.5 mfd.)	30-4015	.30	
3	Condenser (.05 mfd.)	30-4020	.08	40	Condenser (.05 mfd.)	30-4020	.08	
4	Filter Condenser (.25; .25; .5; 20 mfd.)	30-4017	.90	41	Resistor (200 ohms)	7217	.09	
5	Resistor (200 ohms)	7217	.09	42	Vibrator	38-5036	3.00	
6	Resistor (1300 ohms)	8267	.12	43	Resistor (200 ohms)	7217	.09	
7	Oscillator Coil	32-1085	.21	44	Transformer	52-7050	1.20	
8	Condenser (.00025 mfd.)	3082	.12	45	Condenser (.006 mfd.)	30-1002	.30	
9	Resistor (15,000 ohms)	6208	.12	46	Condenser (4 mfd.; 8 mfd.)	30-4010	.96	
10	Padder	04000-S	.15	47	Filter Choke	32-7026	.51	
11	Padder	04000-J	.12	48	R. F. Choke (High voltage)	32-1078	.10	
12	First I. F. Transformer	32-1086	.33	49	Resistor (250,000 ohms)	4410	.12	
13	Padder	04000-Y	.06		Control Shaft (Tuning)	28-8006	.66	
14	Condenser (.5 mfd.)	30-4018	.30		Control Shaft (Volume)	28-8007	.69	
15	Resistor (1,000 ohms)	33-3017	.06		Tube Kit	34-3006		
16	Resistor (10,000 ohms)	4412	.12		75 Tube	8002		
17	Padder	04000-D	.06		78 Tube	8315		
18	Second I. F. Transformer	32-1087	.33		41 Tube	6446		
19	Resistor (1,000,000 ohms)	4409	.12		84 Tube	34-2001		
20	Padder	04000-M	.10		6A7 Tube	34-2002		
21	Condenser (.05 mfd.)	30-4020	.08		Dial	27-5006	.15	
22	Condenser (.00025 mfd.)	3082	.12		Antenna Lead	L-1594	.24	
23	Condenser (.0005 mfd.)	3910	.12		Battery Cable (Bat. end)	38-5124	.74	
24	Resistor (100,000 ohms)	6099	.12		Battery Cable (Rec. end)	38-5123	.48	
25	Volume Control and Switch	33-5009	.60		Fuse Housing	28-1269	.01	
26	Resistor (32,000 ohms)	3525	.12		Male Cap (Fuse)	28-1270	.01	
27	Resistor (250,000 ohms)	3768	.12		Contact (Fuse)	27-7133	.01	
28	Resistor (500,000 ohms)	6097	.12		Washer	27-7132	per C .21	
29	Resistor (700 ohms)	4413	.10		Spring	28-8009	per C .24	
30	Resistor (400 ohms)	33-3016	.06		Fuse Insulator	27-7131	.01	
31	Condenser (.006 mfd.)	30-1002	.30		Antenna Male Cap	28-1270	.01	
32	Output Transformer	32-7005	.75		Contact (Antenna)	28-7133	.01	
33	Cone	36-3027	.24		Spark Plug Resistors	4531	.22	
34	Field Coil	9013			Dist. Resistors	4546	.30	
35	Pilot Lamp	6608	.09		Screw Type	4851	.30	
36	Resistor (7 ohms)	7155	.12		Interference Condenser (1 mfd.)	4522	.60	
37	Fuse, 15 A.	7227	.06		Interference Condenser (1/2 mfd.)	30-4007	.30	

MODEL 6



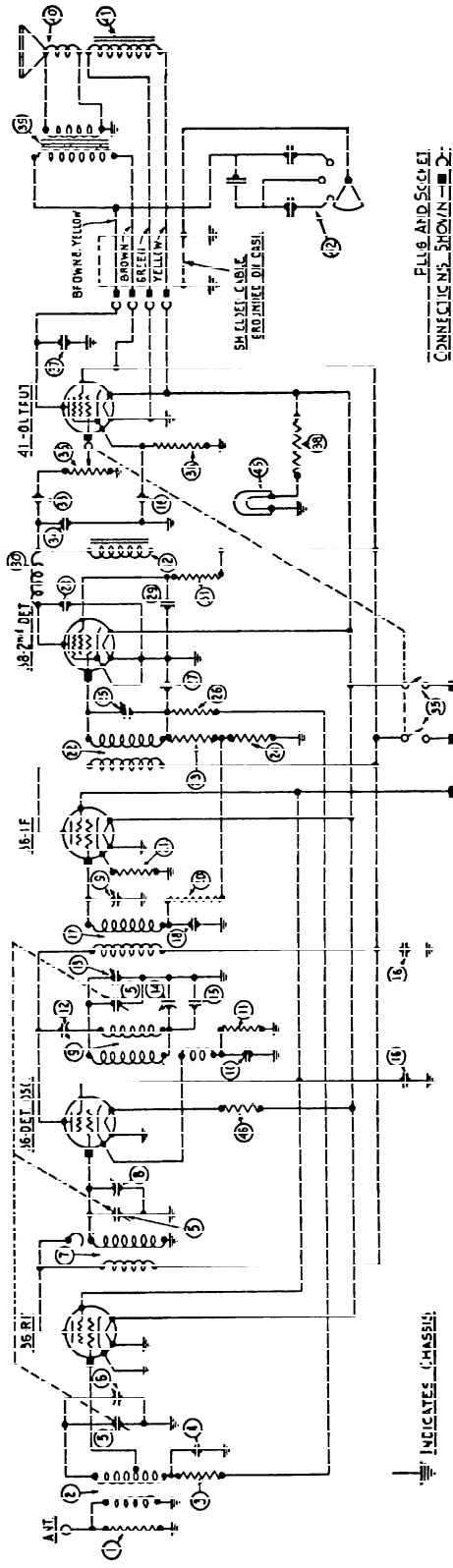
MODEL 6



PARTS LIST

No. in Flgs. 1 and 2	Description	Part No.	NET PRICE	No. in Flgs. 1 and 2	Description	Part No.	NET PRICE
①	Resistor (3,000 ohm)	6099	.12	③④	Volume Control (500- 000 ohm) and switch	7525	.90
②	Antenna Coil	06903	.27	⑤	Pilot Lamp	4567	.11
③	Resistor (100,000 ohm)	6099	.12	⑥	Resistor (2 ohm)	5110	.55
④	Tuning Condenser	04308	2.15	⑦	Resistor (700 ohm)	6443	.10
⑤	By-pass Condenser (.05 mfd.)	8615-AN	.15	⑧	Condenser (.002 mfd.)	6853	.18
⑥	Compensator section on tuning condenser			⑨	Output Transformer	2398	.75
⑦	By-pass Condenser (.05 mfd.)	3615-AT	.12	⑩	Cone and Coil	02823	.27
⑧	Resistor (500 ohm)	6977	.12	⑪	Field Coil	02794	2.40
⑨	Detector Coil	06902	.30	⑫	Resistor (25,000 ohm)	4516	.12
⑩	Compensator section on tuning condenser			⑬	Interstage Shield	05910	.03
⑪	Resistor (2.7 ohm)	6511	.10	⑭	Dynamotor EB	05389	13.17
⑫	Resistor (8,000 ohm)	5838	.12	⑮	Dynamotor EA (for bat- tery replacements)	06888	13.17
⑬	Compensating Cond.	04000A	.08	⑯	Receiver Studs	6122	per C 1.80
⑭	Oscillator Coil	05975	.39	⑰	Shielded Loom (18" high tension shield)	L1357	.15
⑮	Condenser (.007 mfd.)	4520	.12	⑱	Shielded Loom (30" high tension shield)	L1386	.24
⑯	Compensating Cond.	04000S	.15	⑲	Spark Plug Resistor	4531	.30
⑰	Compensator section on tuning condenser			⑳	Distributor Resistor	4640	.30
⑱	First I. F. Trans- former	06970	.48	㉑	Screw Type Resistors	4851	.30
⑲	Resistor (500,000 ohm)	6097	.12	㉒	Interference Condensers	4522	.60
㉑	Compensating Cond.	04000D	.06	㉓	Knobs	5166	.03
㉒	Condenser (.05 mfd.)	3615-AK	.12	㉔	Speaker Extension Cable	02954	.45
㉓	Resistor (800 ohm)	6977	.12	㉕	Dynamotor Filter Choke	6658	.75
㉔	Compensating Cond.	04000E	.06	㉖	Dynamotor Filter Con- denser (large unit)	0538	
㉕	Resistor (20,000 ohm)	6650	.15	㉗	Dynamotor Filter Con- denser (small unit)	05724	.75
㉖	Condenser (.25 mfd., .5 mfd., 8 mfd.)	04354	.66	㉘	Dynamotor RF Choke (small unit only)	05746	.21
㉗	Second I. F. Trans- former	05901	.45	㉙	16" Volume Control Shaft	6351	.60
㉘	Resistor (100,000 ohm)	6099	.12	㉚	18" Tuning Control Shaft	6852	.60
㉙	Resistor (500,000 ohm)	6097	.12	㉛	32" Volume Control Shaft	6125	.90
㉚	Resistor (100,000 ohm)	6099	.12	㉜	32" Tuning Control Shaft	6129	.90
㉛	Resistor (20,000 ohm)	6649	.12	㉝	48" Volume Control Shaft	6293	1.20
㉜	Condenser (.00025 mfd.)	3082	.12	㉞	48" Tuning Control Shaft	6299	1.20
㉝	Condenser (.0002 mfd.)	4059	.18	㉟	120" Volume Control Shaft	6356	2.40
㉞	Resistor (500,000 ohm)	4237	.12	㊱	120" Tuning Control Shaft	6366	2.40
㉟	Condenser (.09 mfd.)	4989-Y	.12	㊲	Philco Oscillator (for ad- justing Models 3, 7, 8, 6)	Model 095	28.50
㊱	Audio Transformer	7535	1.35	㊳	Fibre Wrench	3164	.09

Model 7



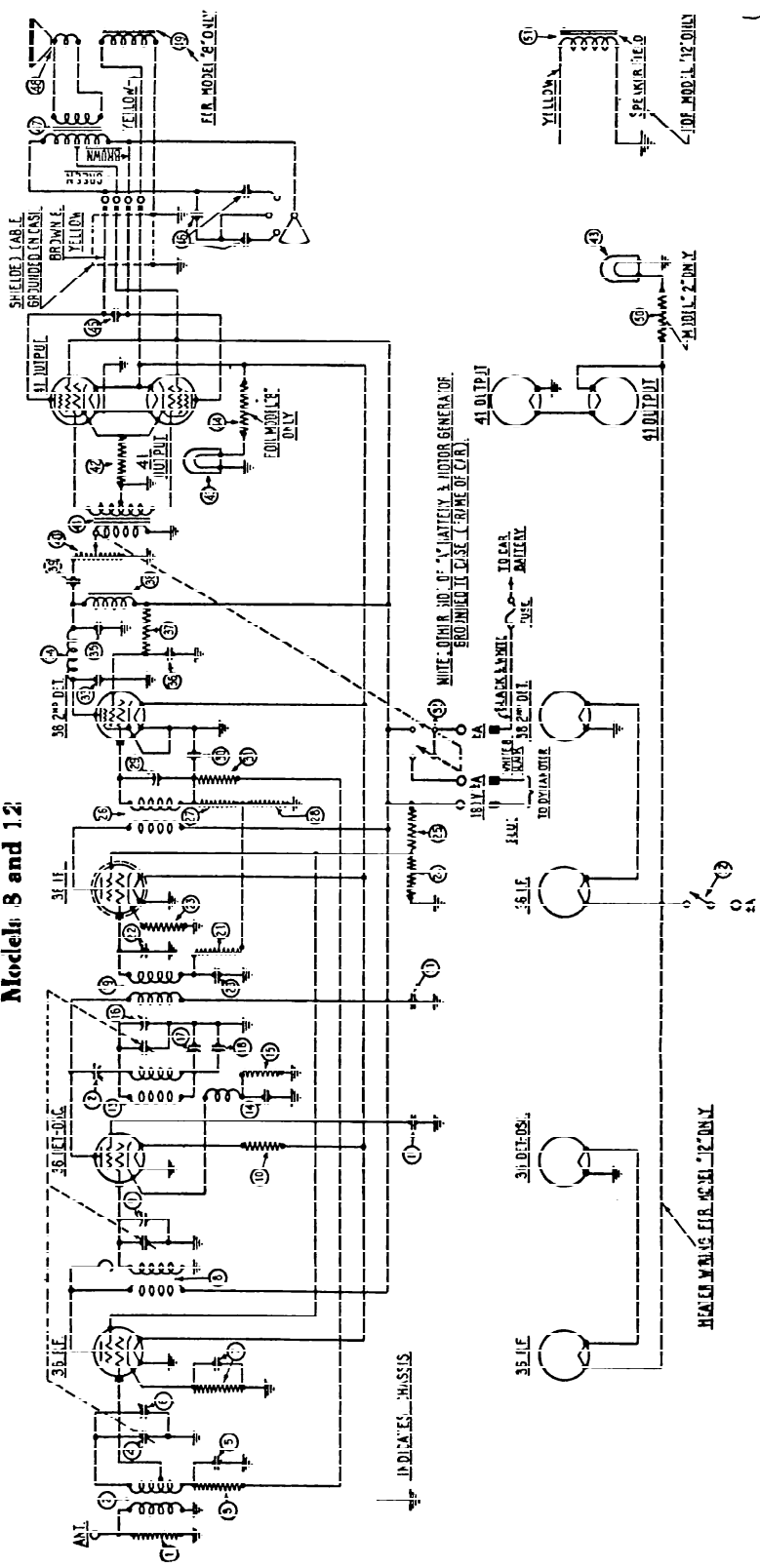
INDICATES CHASSIS

PLUG AND SOCKET CONNECTIONS SHOWN

NOTE: OTHER SIDE OF A BATT. TERMINAL TO CASE (GROUND) OF CHASSIS

3.15 12.5 V
3.15 12.5 V
A: 15 V

Models 8 and 12



INDICATES CHASSIS

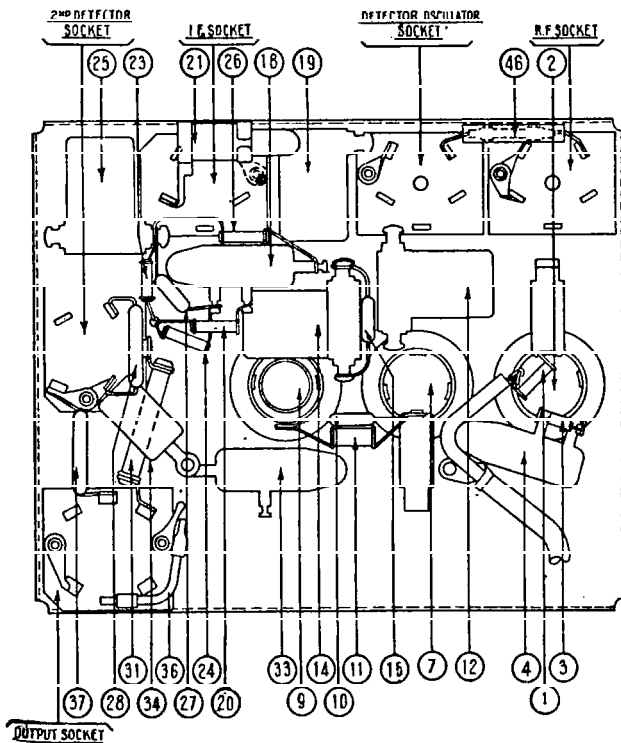
NOTE: OTHER SIDE OF A BATT. TERMINAL TO CASE (GROUND) OF CHASSIS

3.15 12.5 V
3.15 12.5 V
A: 15 V

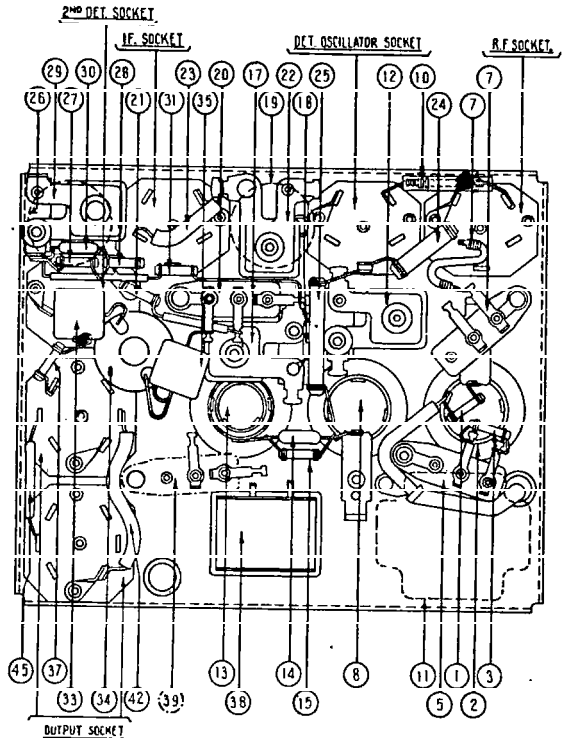
HEAT WELDS FOR MOD. 12 ONLY

MOD. 12 ONLY

Model 7



Models 8 and 12



Replacement Parts Models 7, 8 and 12

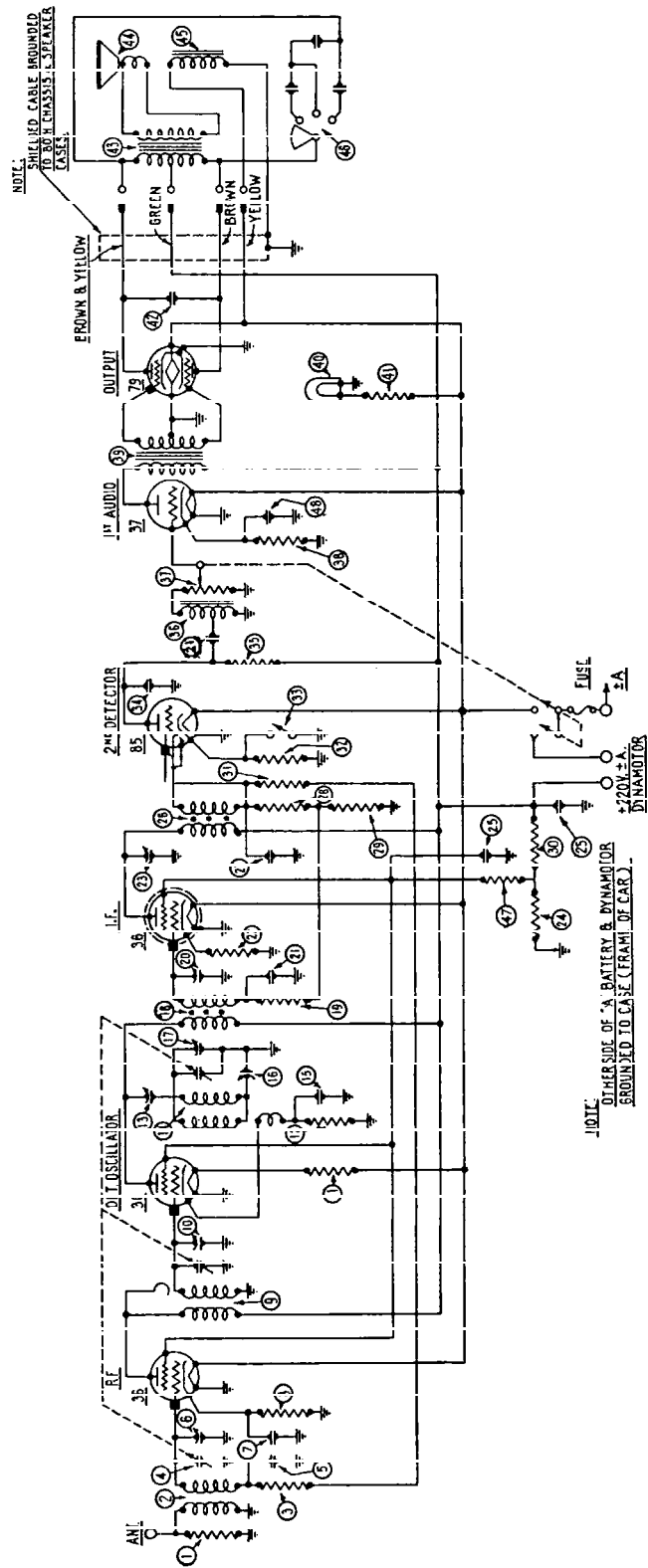
Model 7	Description	Part No.	DEALER NET PRICE
①	Resistor (5,000 Ohms).....	6090	.12
②	Resistor (1 Ohm).....	6090	.40
③	Resistor (99,000 Ohms).....	6049	.12
④	Tuning Condenser Assembly.....	04308	3.15
⑤	Condenser (.05 Mfd.).....	3615-AO	.12
⑥	Condenser (.05 Mfd.).....	3615-AN	.15
⑦	Compensating Cond. (Part of Tuning Condenser).....	3615-AE	.12
⑧	Condenser (.05 Mfd.).....	6077	.12
⑨	Resistor (500 Ohms).....	6077	.12
⑩	Compensating Cond. (Part of Tuning Condenser).....	04000	.12
⑪	Resistor (2.7 Ohms).....	6511	.10
⑫	Condenser (.25, .5 Mfd.).....	04059	.45
⑬	Condenser (.25, .5 Mfd.).....	04059	.50
⑭	Compensating Condenser.....	04059-A	.56
⑮	Oscillator Coil.....	04503	.60
⑯	Condenser (.0007 Mfd.).....	4520	.12
⑰	Resistor (5,000 Ohms).....	6090	.12
⑱	Compensating Cond. (Part of Tuning Condenser).....	04000-R	.21
⑲	Condenser (.0007 Mfd.).....	6090	.14
⑳	First I.F. Transformer.....	04338	.66
㉑	Condenser (.05 Mfd.).....	3615-AK	.12
㉒	Resistor (400,000 Ohms).....	6007	.12
㉓	Compensating Condenser.....	04000-D	.06
㉔	Resistor (500 Ohms).....	6042	.10
㉕	Resistor (225 Ohms).....	6107	.10
㉖	Resistor (20,000 Ohms).....	6650	.15
㉗	Resistor (20,000 Ohms).....	6649	.12
㉘	Second I.F. Transformer.....	04363	.66
㉙	Resistor (99,000 Ohms).....	6099	.12
㉚	Resistor (99,000 Ohms).....	6099	.12
㉛	Compensating Condenser.....	04000-A	.06
㉜	Condenser (.00025 Mfd.).....	3602	.12
㉝	Resistor (400,000 Ohms).....	6007	.12
㉞	Switch (See Note 2).....	04340	.24
㉟	Condenser (.00125 Mfd.).....	5888	.15
㊱	Condenser (.001 Mfd.).....	5215	.12
㊲	R.F. Choke.....	04342	.60
㊳	Condenser (.00125 Mfd.).....	5888	.15
㊴	Condenser (.001 Mfd.).....	5215	.12
㊵	Condenser (.25 Mfd.) See Note 1.....	04340	.24
㊶	Resistor (50,000 Ohms).....	6098	.10
㊷	Resistor (50,000 Ohms).....	4237	.12
㊸	Audio Choke.....	6002	.75
㊹	Audio Choke.....	5890	.84
㊺	Condenser (.01 Mfd.).....	3803-Y	.10
㊻	Volume Control (Tube 2).....	7322	.30
㊼	Volume Control.....	6109	.90
㊽	Input Transformer.....	6592	1.20
㊾	Resistor (700 Ohms).....	6498	.10

Model 8-12	Description	Part No.	DEALER NET PRICE
①	Fluor. Lamp.....	4567	.11
②	Resistor (1 Ohm).....	6110	.40
③	Condenser (.002 Mfd.).....	6583	.18
④	Tone Control.....	05306	.30
⑤	Output Transformer.....	2565	.84
⑥	Output Transformer.....	0500	.75
⑦	Cone and Voice Coil.....	02823	.27
⑧	Field Coil Assembly (8V).....	02794	2.40
⑨	Resistor (30 Ohms).....	7165	.12
⑩	1 Amp. Fuse.....	4540	.03
⑪	15 Amp. Fuse.....	0540	.06
⑫	Field Coil Assembly (12V).....	02858	1.20
⑬	Battery Cable (Model 7).....	04416	1.35
⑭	Battery Cable (Model 8-12).....	05410	2.10
⑮	Plug (Model 7).....	4539	.24
⑯	Cap (Model 7).....	4585	.06
⑰	Plug (Model 8).....	7122	.21
⑱	Cap (Model 8).....	7123	.06
㉑	Control Unit Assembly.....	04343	3.45
㉒	Control Housing Cover.....	6030	.36
㉓	Key (Interchangeable).....	0081	.09
㉔	Speaker Extension Cable.....	02584	.45
㉕	Spark Plug Resistor.....	4531	.30
㉖	Distributor Head Resistor.....	4546	.30
㉗	Special Resistor (Screw Type).....	4581	.06
㉘	Interference Condenser.....	4592	.80
㉙	PAIR 1 P. Oscillator.....	Model 005	29.60
㉚	Type 36 Tube.....	5582	.99
㉛	Type 38 Tube.....	5584	1.06
㉜	Type 41 Tube.....	6446	.60
㉝	Knebs.....	5166	.03
㉞	Receiver Housing.....	0035	.35
㉟	Speaker Housing.....	2710	.60
㊱	Dynamotor Complete—Model EA.....	05388	13.17
㊲	Dynamotor Complete—Model EC.....	05424	15.00
㊳	Dynamotor Only 6V.....	6651	.75
㊴	Dynamotor Only 12V.....	7165	.75
㊵	Dynamotor Filter Choke.....	05358	1.11
㊶	Dynamotor Filter Condenser.....	05358	.65
㊷	Large Battery Box (Complete).....	04585	1.71
㊸	Small Battery Box (Complete).....	04581	1.71
㊹	Receiver Studs.....	6122	per C 1.80
㊺	18" Volume Control Shaft.....	6351	.60
㊻	18" Tuning Control Shaft.....	6352	.60
㊼	32" Volume Control Shaft.....	6123	.90
㊽	32" Tuning Control Shaft.....	6129	.90
㊾	48" Volume Control Shaft.....	6208	1.20
㊿	48" Tuning Control Shaft.....	6209	1.20
1	120" Volume Control Shaft.....	6353	2.40
2	120" Tuning Control Shaft.....	6356	2.40

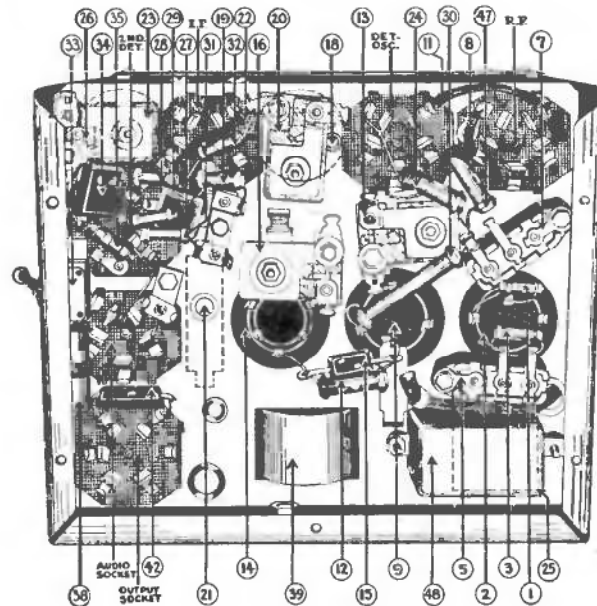
NOTE 1—In some Receivers, 04350 is replaced by 05622. ② is omitted and a .25 Mfd. section of 05622 is used in its place.

NOTE 2—Switch ②, in fig. 4 is integral part of volume control ②, part No. 7322.

MODEL 9



MODEL 9

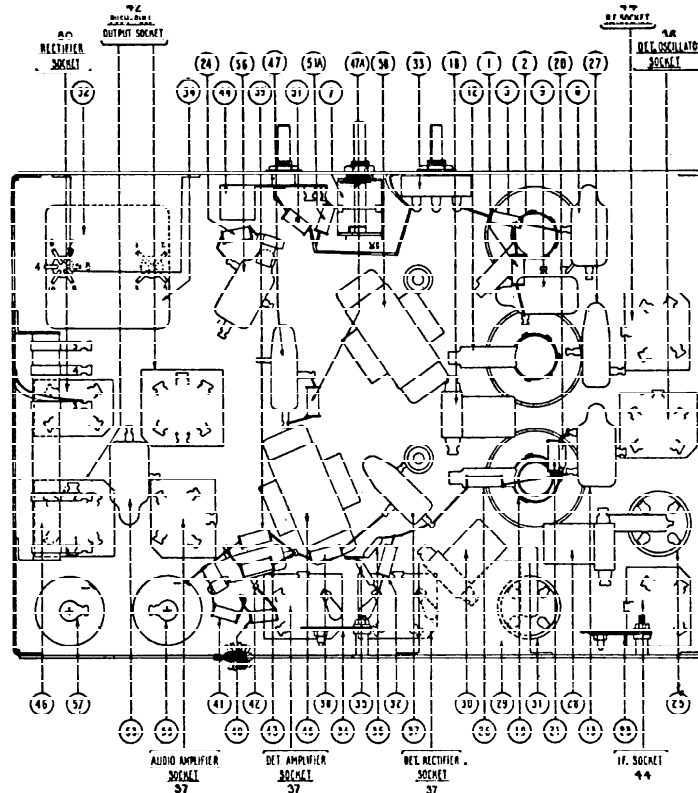


PARTS LIST

No. in Figs. 1 and 2	Description	Part No.	NET PRICE	No. in Figs. 1 and 2	Description	Part No.	NET PRICE
①	Resistor (5,000 ohm) ..	6096	.12	④	Speaker Coil and Cone	02823	.27
②	Antenna Coil	06574	.30	⑤	Speaker Field Pot.	02795	1.36
③	Resistor (100,000 ohm) ..	6099	.12	⑥	Tone Control	05366	.30
④	Tuning Condenser ...	04308	3.15	⑦	Resistor (25,000 ohm) ..	4516	.12
⑤	By-pass Condenser (.05 mfd.)	3615-AN	.15	⑧	Condenser	7774	.45
⑥	Compensator section on tuning condenser...			⑨	Complete Speaker Assembly (Model 6)	A-4	
⑦	By-pass Condenser 3615-AY		.12	⑩	Complete Speaker Assembly (Model 7)	A-4	
⑧	Resistor (500 ohm)	6977	.12	⑪	Complete Speaker Assembly (Model 8)	A-5	
⑨	R. F. Transformer ...	05902	.30	⑫	Complete Speaker Assembly (Model 9)	A-7	
⑩	Compensator section on tuning condenser ..			⑬	Complete Speaker Assembly (Model 12)	A-6	
⑪	Resistor (2.7 ohm)	6511	.10	⑭	Complete Speaker Assembly (Model B-6)	A-8	
⑫	Resistor (6,000 ohm) ..	7352	.10	⑮	Interstage Shield	05910	.03
⑬	Compensator	04000-A	.08	⑯	Dynamotor ED	06084	13.17
⑭	Oscillator Coil	05975	.39	⑰	Dynamotor EA (for bat- tery replacements) ...	05388	13.17
⑮	Condenser (.0007 mfd.) ..	14520	.12	⑱	Receiver Studs	6122	1.80
⑯	Compensating Cond. 04000-S		.15	⑲	Shielded Loom (18" high tension shield)	L-1387	.16
⑰	Compensator section on tuning condenser ..			⑳	Shielded Loom (30" high tension shield)	L-1386	.24
⑱	First I. F. Trans- former	05970	.48	㉑	Spark Plug Resistor	4531	.30
⑲	Resistor (500,000 ohm) ..	6097	.12	㉒	Distributor Resistor	4546	.30
㉑	Compensating Cond. 04000-D		.06	㉓	Screw Type Resistor	4851	.30
㉒	Condenser (.05 mfd.) ..			㉔	Interference Condensers ..	4522	.60
㉓	Resistor (500 ohm)	6977	.12	㉕	Knobs	5166	
㉔	Compensating Cond. 04000-D		.06	㉖	Speaker Extension Cables	02984	.45
㉕	Condenser (.5 mfd.)	06088	.75	㉗	Dynamotor Filter Choke ..	6658	.75
㉖	Second I. F. Trans- former	05901	.45	㉘	Dynamotor Filter Con- denser (large unit) ...	05386	1.11
㉗	Condenser (.00025 mfd.)	3082	.12	㉙	Dynamotor Filter Con- denser (small unit) ...	05724	.75
㉘	Resistor (100,000 ohm) ..	6099	.12	㉚	Dynamotor RF Choke	05723	.09
㉙	Resistor (100,000 ohm) ..	6099	.12	㉛	Battery Cable	65419-D	2.10
㉚	Resistor (20,000 ohm) ..	6649	.12	㉜	18" Volume Control Shaft ..	6351	.60
㉛	Resistor (500,000 ohm) ..	6097	.12	㉝	18" Tuning Control Shaft ..	6352	.60
㉜	Resistor (5,000 ohm)	6096	.12	㉞	32" Volume Control Shaft ..	6125	.90
㉝	Switch	5462	.24	㉟	32" Tuning Control Shaft ..	6129	.90
㉞	Condenser (.00125 mfd.)	5886	.15	㊱	48" Volume Control Shaft ..	6298	1.20
㉟	Resistor (50,000 ohm) ..	4518	.12	㊲	48" Tuning Control Shaft ..	6299	1.20
㊱	Audio Transformer	7552	1.35	㊳	120" Volume Control Shaft ..	6355	2.40
㊲	Volume Control	7525	.90	㊴	120" Tuning Control Shaft ..	6356	2.40
㊳	Resistor (2,500 ohm) ...	7775	.12	㊵	Phileo Oscillator (for ad- justing Models 3, 6, 7, 8, 9) ..	095	28.50
㊴	Input Transformer	7652	.96	㊶	Fibre Wrench	3164	.09
㊵	Pilot Lamp	4567	.11				
㊶	Resistor (7 ohm)	5110	.09				
㊷	Condenser (.06 mfd.) ..	6359	.24				
㊸	Output Transformer ..	2615	.90				

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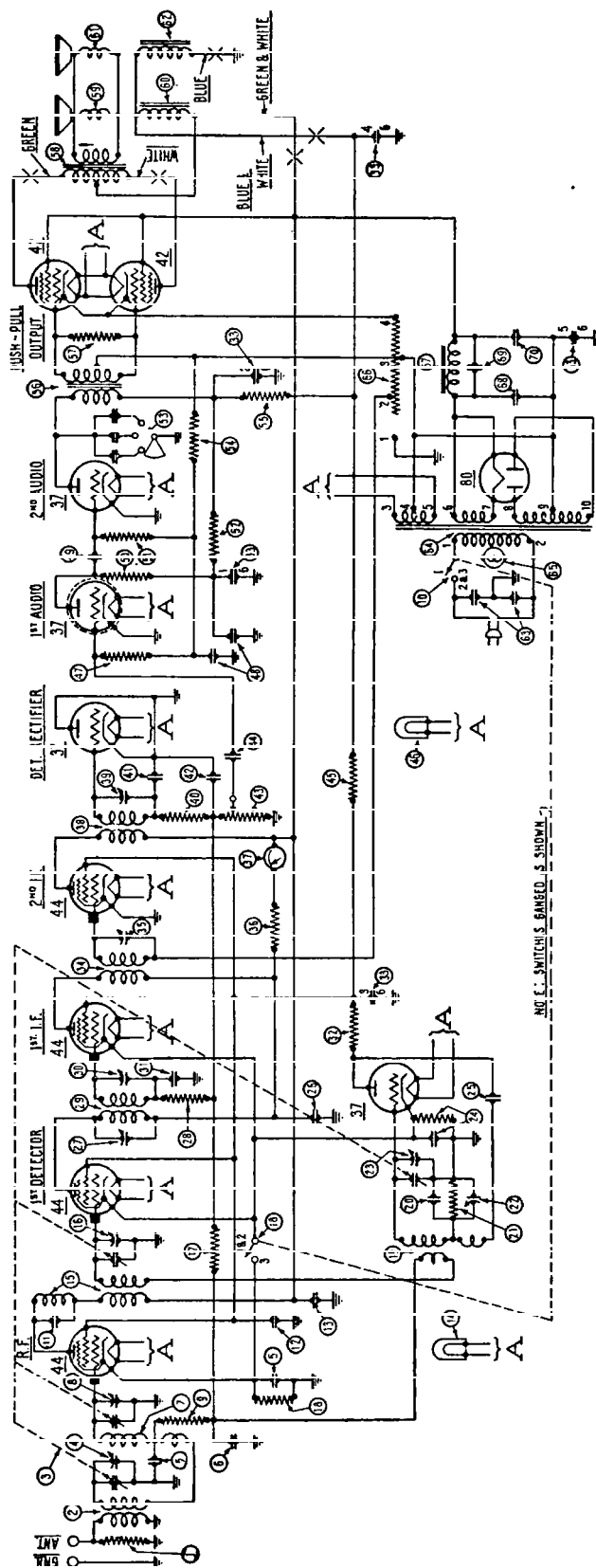
Models 14 and 91



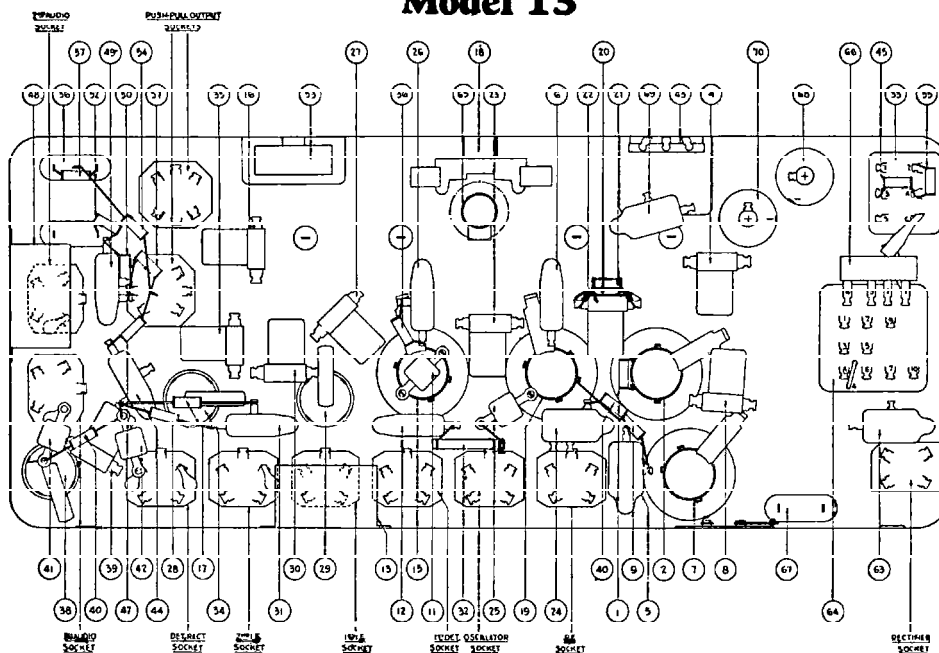
REPLACEMENT PARTS

No. on Figs.	Description	Part No.	NET PRICE	No. on Figs.	Description	Part No.	NET PRICE	DEALER
①	Resistor (Brown-Black-Orange).....	4412	.12	④③	Resistor (Brown-Black-Green).....	4409	.12	
②	R.F. Transformer.....	32-1069	.36	④④	Tone Control.....	06698	.33	
③	Resistor (Red-Black-Green).....	5872	.12	④⑤	Push-Pull Input Transformer.....	0064	1.35	
④	Tuning Condenser Assembly.....	04700	2.55	④⑥	B.C. Resistor (Wire Wound).....	6702	.24	
⑤	Compensating Cond. (R.F.) Part of ④.....			④⑦	B.C. Resistor (Wire Wound) Twin Speaker.....	6808	.11	
⑥	Condenser.....	3615-AM	.12	④⑧	Condenser.....	7625-B	.08	
⑦	"On-Off" and Frequency Switch.....	42-1002	.60	④⑨	Resistor (Red-Green-Orange).....	4516	.12	
⑧	Condenser (and Resistor).....	6287 C	.12	④⑩	Push Pull Output Trans. (Sing. Speaker).....	2585	.21	
⑨	Pilot Lamp (Philco Scale).....	6603	.05	④⑪	Push-Pull Output Trans. (Twin Speaker).....	2555	.64	
⑩	Detector Transformer.....	32-1070	.24	④⑫	Voice Coil and Cone Assembly (K-6 and K-12).....	02823	.27	
⑪	Condenser.....	3615-AJ	.15	④⑬	Voice Coil and Cone Assembly (H-7) Twin Speaker Model.....	02207	.33	
⑫	Resistor (Brown-Black-Red).....	5837	.12	④⑭	Speaker Field Assembled with Pot (K-6 and K-12).....	02803	1.35	
⑬	Compensating Cond. (Detector) Part of ④.....			④⑮	Speaker Field Assembled with Pot (H-7) Twin Speaker Model.....	02203	1.25	
⑭	Tuning Meter.....	0497	1.35	④⑯	Resistor (White-White-Orange).....	4411	.12	
⑮	Pilot Lamp (Tuning Meter).....	6608	.09	④⑰	Resistor (White-White-Orange).....	4411	.12	
⑯	Compensating Cond. (1st I.F. Primary).....	04000-M	.10	④⑱	Condenser Bank.....	06713	.27	
⑰	Oscillator Coil.....	05085	.24	④⑲	Condenser (Double).....	3703-E	.12	
⑱	Condenser (White and Yellow).....	4520	.12	④⑳	Power Trans. (50-60 cycles) Sing. Speaker.....	6554	2.85	
⑲	Resistor (Brown-Black-Orange).....	4412	.12	④㉑	Power Trans. (25-40 cycles) Sing. Speaker.....	6555	4.35	
⑳	Comp. Cond. (High Freq.) Part of ④.....			④㉒	Power Trans. (50-60 cycles) Twin Speaker.....	6804	3.30	
㉑	Compensating Condenser (Low Freq.).....	04000 B	.11	④㉓	Power Trans. (25-40 cycles) Twin Speaker.....	6805	4.50	
㉒	Resistor (Red-Black-Red).....	6934	.12	④㉔	Electrolytic Cond. (6 MFD) Sing. Speaker.....	4916	1.05	
㉓	First I.F. Transformer.....	04319	.40	④㉕	Electrolytic Cond. (8 MFD) Twin Speaker.....	7464	.75	
㉔	Resistor (Red-Black-Green).....	5872	.12	④㉖	Condenser.....	4989-T	.12	
㉕	Condenser.....	3903-AE	.09	④㉗	Electrolytic Cond. (6 MFD) Sing. Speaker.....	4916	1.05	
㉖	Comp. Cond. (1st I.F. Secondary).....	04000-M	.10	④㉘	Electrolytic Cond. (8 MFD) Twin Speaker.....	7464	.75	
㉗	Filter Condenser Bank.....	04530	.45	④㉙	Filter Choke.....	4810	.50	
㉘	Comp. Cond. (2d I.F. Primary).....	04000-M	.10	④㉚	Tube Shields.....	8005	.03	
㉙	Second I.F. Transformer.....	04320	.45	④㉛	Knob (Large).....	03063	.05	
㉚	Resistor (White-White-Orange).....	4411	.12	④㉜	Knob (Medium).....	03064	.04	
㉛	Volume Control.....	6054	.75	④㉝	Knob (Small).....	02437	.02	
㉜	Comp. Cond. (2nd I.F. Secondary).....	04000-M	.10	④㉞	Four Prong Socket.....	5020	.05	
㉝	Condenser (Blue and Golden Yellow).....	4519	.11	④㉟	Five Prong Socket.....	4950	.06	
㉞	Condenser (Blue and Golden Yellow).....	4510	.11	④㊱	Six Prong Socket.....	6417	.06	
㉟	Condenser.....	3903-P	.12	④㊲	Dial, Complete.....	04832	.24	
㊱	Resistor (Brown-Black-Green).....	4409	.12	④㊳	Bezel.....	6418	.12	
㊲	Resistor (Yellow-White-Yellow).....	4517	.12					
㊳	Resistor (Red-Green-Orange).....	4516	.12					
㊴	Resistor (Red-Green-Orange).....	4516	.12					
㊵	Condenser.....	3903-P	.12					

Model 15



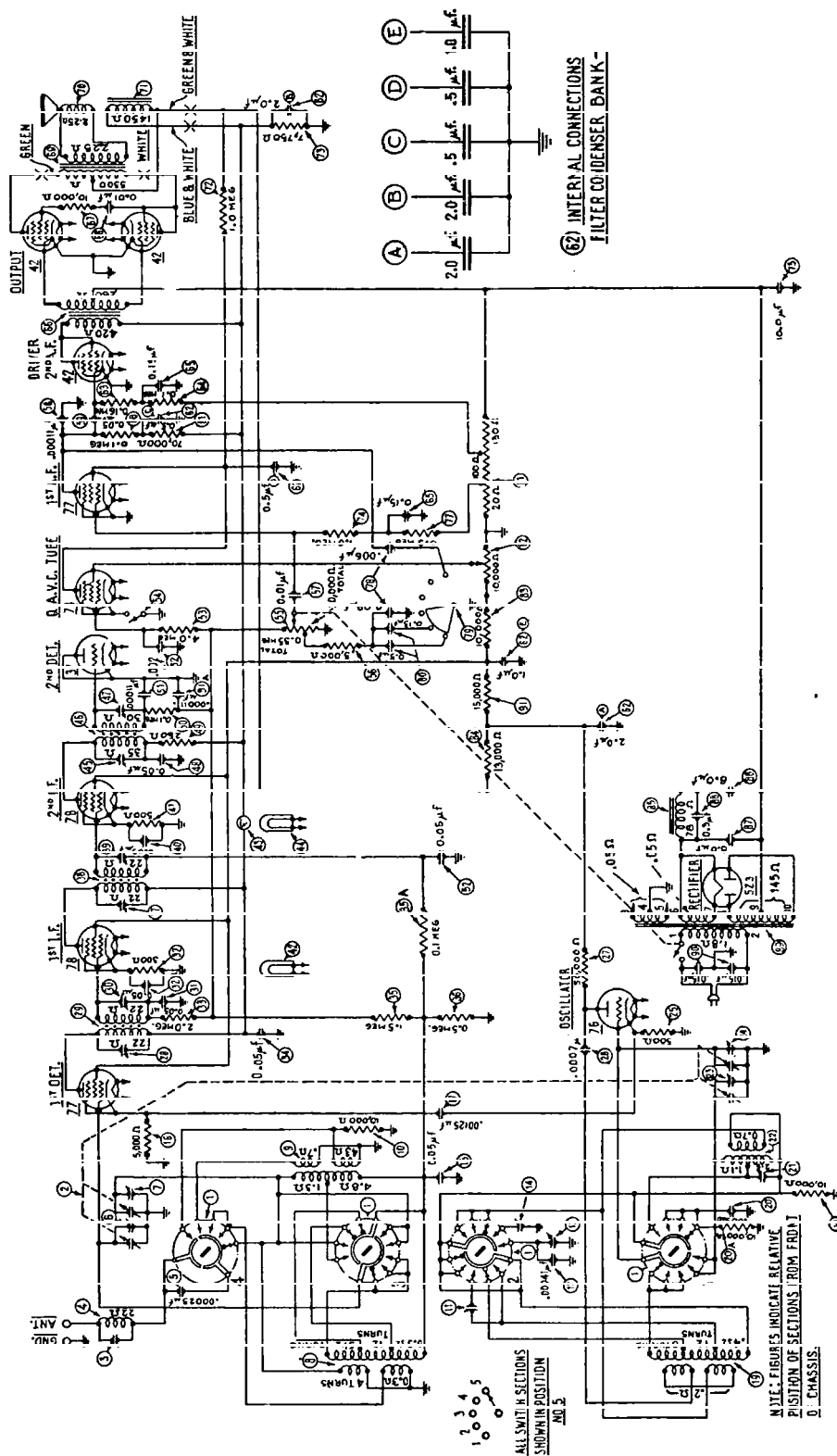
Model 15



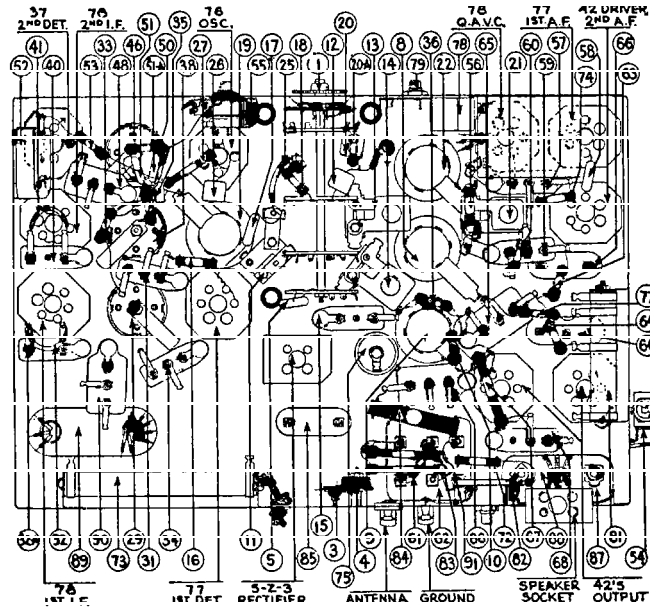
REPLACEMENT PARTS MODEL 15

No. on Figs. 1 and 2	Description	Part No.	Net Price	No. on Figs. 1 and 2	Description	Part No.	Net Price
1	Resistor (10,000 ohms)	4412	.12	46	Condenser (.01 mfd.)	3803-A1	.05
2	First I. F. Coil	04941	.27	47	Resistor (5,000 ohms)	5310	.12
3	Tuning Condenser Assembly	04941	3.30	48	Pilot Light (Shadow Tuning)	6908	.09
4	Compensating Condenser—First Antenna	04000-E	.06	49	Resistor (1,000,000 ohms)	4409	.12
5	Condenser (.05 mfd.) Double	3015-AM	.12	50	Condenser (.01 mfd.)	3903-T	.10
6	Condenser (.05 mfd.)	3015-L	.10	51	Resistor (25,000 ohms)	4516	.12
7	Second I. F. Coil	04942	.18	52	Resistor (1,000,000 ohms)	4403	.12
8	Compensating Condenser—Second Antenna	04000-E	.06	53	Resistor (100,000 ohms)	5331	.12
9	Resistor (450,000 ohms)	4517	.12	54	Condenser (.05 mfd.)	4950	.11
10	Resistor (100,000 ohms)	5331	.12	55	Condenser (.05 mfd.)	4950-D	.12
11	Condenser (.05 mfd.)	4950	.11	56	Condenser (.05 mfd.)	4950	.12
12	Condenser (.05 mfd.)	4950-D	.12	57	Detector Transformer	3851-V	.48
13	Pilot Light	6908	.09	58	Compensating Condenser—Detector	04000-E	.06
14	Detector Transformer	3851-V	.48	59	Resistor (100,000 ohms)	5331	.12
15	Compensating Condenser—Detector	04000-E	.06	60	Distance Switch and Power Switch	6438	.75
16	Resistor (100,000 ohms)	5331	.12	61	Oscillator Coil	04943	.24
17	Distance Switch and Power Switch	6438	.75	62	Condenser (.05 mfd.)	4950	.11
18	Oscillator Coil	04943	.24	63	Resistor (10,000 ohms)	4418	.12
19	Condenser (.05 mfd.)	4950	.11	64	Compensating Condenser—Low Frequency	04000-F	.10
20	Resistor (10,000 ohms)	4418	.12	65	Compensating Condenser—High Frequency	04000-E	.06
21	Compensating Condenser—Low Frequency	04000-F	.10	66	Condenser (.05 mfd. and 200 ohm Resistor)	4950-R	.12
22	Compensating Condenser—High Frequency	04000-E	.06	67	Condenser (.10 mfd.)	4519	.11
23	Condenser (.05 mfd. and 200 ohm Resistor)	4950-R	.12	68	Condenser (.05 mfd.)	3015-J	.11
24	Condenser (.10 mfd.)	4519	.11	69	Compensating Condenser—First I. F. Primary	04000-J	.12
25	Condenser (.05 mfd.)	3015-J	.11	70	Resistor (1,000,000 ohms)	4409	.12
26	Compensating Condenser—First I. F. Secondary	04000-J	.12	71	First I. F. Transformer	03038	.45
27	Resistor (1,000,000 ohms)	4409	.12	72	Compensating Condenser—First I. F. Secondary	04000-J	.12
28	First I. F. Transformer	03038	.45	73	Condenser (.05 mfd.)	3015-J	.11
29	Compensating Condenser—First I. F. Secondary	04000-J	.12	74	Resistor (10,000 ohms)	4418	.12
30	Condenser (.05 mfd.)	3015-J	.11	75	Filter Condenser (.015, 3-5, 1 mfd.)	50-00 cycles	1.05
31	Resistor (10,000 ohms)	4418	.12	76	Second I. F. Transformer	04079	.27
32	Filter Condenser (.015, 3-5, 1 mfd.)	50-00 cycles	1.05	77	Compensating Condenser—Second I. F. Secondary	04000-J	.12
33	Second I. F. Transformer	04079	.27	78	Resistor (1,000 ohms)	5637	.12
34	Compensating Condenser—Second I. F. Secondary	04000-J	.12	79	Shadow Tuning Meter	6497	1.35
35	Resistor (1,000 ohms)	5637	.12	80	Third I. F. Transformer	03345	.45
36	Shadow Tuning Meter	6497	1.35	81	Compensating Condenser—Third I. F. Secondary	04000-J	.12
37	Third I. F. Transformer	03345	.45	82	Resistor (10,000 ohms)	4411	.12
38	Compensating Condenser—Third I. F. Secondary	04000-J	.12	83	Condenser (.05 mfd.)	4519	.11
39	Resistor (10,000 ohms)	4411	.12	84	Condenser (.10 mfd.)	4519	.11
40	Condenser (.05 mfd.)	4519	.11	85	Volume Control	4994	.60
41	Condenser (.10 mfd.)	4519	.11				
42	Volume Control	4994	.60				
43	Condenser (.01 mfd.)	3803-A1	.05				
44	Resistor (5,000 ohms)	5310	.12				
45	Pilot Light (Shadow Tuning)	6908	.09				
46	Resistor (1,000,000 ohms)	4409	.12				
47	Condenser (.01 mfd.)	3903-T	.10				
48	Resistor (25,000 ohms)	4516	.12				
49	Resistor (1,000,000 ohms)	4403	.12				
50	Resistor (100,000 ohms)	5331	.12				
51	Tone Control	04787	.27				
52	Resistor (450,000 ohms)	4517	.12				
53	Resistor (5,000 ohms)	5310	.12				
54	Input Transformer	5662	1.95				
55	Resistor (100,000 ohms) across volume control	4410	.12				
56	Output Transformer	9503	.84				
57	Condenser (.002 Mfd.) Blue—across primary of output transformer—not illustrated	6853	.18				
58	Voice Coil and Cone Assembly (Large) H-7	04947	.39				
59	Voice Coil and Cone Assembly (Small) K-12	04948	.27				
60	Field Coil Assembled with Pot (K-12)	02303	1.35				
61	Condenser (.015 mfd. Double)	3703-E	.12				
62	Power Transformer (50-60 cycles)	6672	4.30				
63	Power Transformer (25-40 cycles)	6673	3.30				
64	Power Transformer (40-60 cycles, 230 volts)	6674	3.60				
65	Cabinet Lamp	6600	.36				
66	Resistor (50 ohms, 50 ohms, 205 ohms)	6700	.14				
67	Filter Choke	3422	1.60				
68	Electrolytic Condenser (5 mfd.)	6707	.90				
69	Condenser (.01 mfd.)	4409	.12				
70	Electrolytic Condenser (10 Mfd.)	6708	.90				
71	Knob (Large)	06063	.08				
72	Knob (Medium)	03094	.04				
73	Knob (Small)	03095	.02				
74	Knob Spring (Large)	4147	.01				
75	Knob Spring (Small)	5202	.21				
76	Tune Shield	04062	.48				
77	Grid Clips	4907	.10				
78	Four Prong Socket	5026	.05				
79	Five Prong Socket	4950	.06				
80	Six Prong Socket	6417	.06				
81	Dial Scale	4276	.12				
82	Bezel	6453	.12				
83	Pilot Bracket Complete	05010	.18				
84	Cabinet Lamp Socket	6584	.18				
85	Cabinet Lamp Socket Insulator	6605	.75				
86	Gone Retaining Ring	3600	.27				

MODEL 16



Model 16



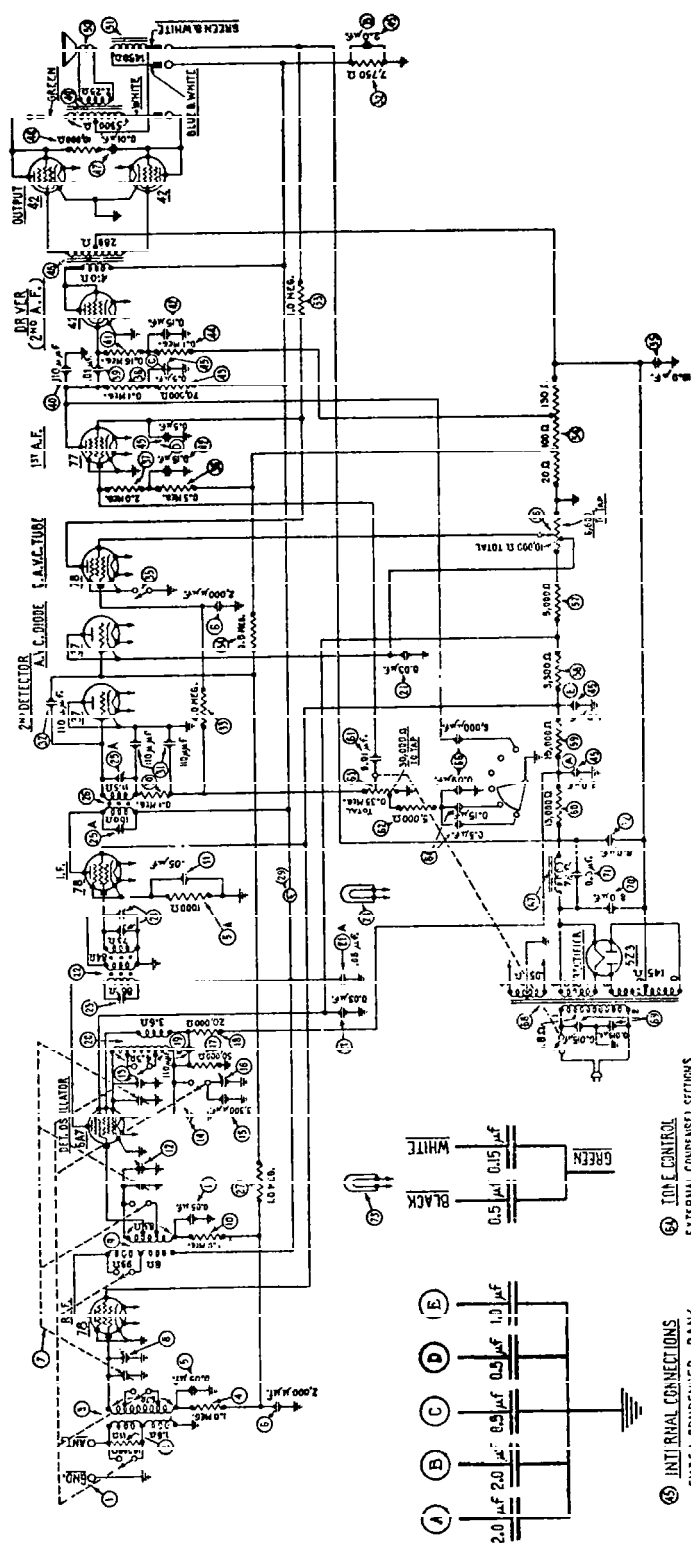
REPLACEMENT PARTS FOR MODEL 16

No. on Figs.	Description	Part No.	NET PRICE	No. on Figs.	Description	Part No.	NET PRICE
①	Wave Band Switch.....	42 1027	1.55	④	Compensating Cond'ns (2d. I. F. Primary).....	31-6002	21
②	Tuning Condenser Assembly.....	31-1039		⑤	3d. I. F. Transformer.....	32-1188	Common
③	Compensating Condenser (Wave-trap) { Wave-trap }.....	38-5190		⑥	Compensating Cond'r (3d. I. F. Secondary).....	Common with ⑤	
④	Inductance (Wave-trap).....	38-5190		⑦	Condenser.....	3615-AB	.16
⑤	Condenser.....	3858	.10	⑧	Resistor (Part of ⑦).....		
⑥	Compensating Condenser (Ant.; H. F.; Part of ⑤).....			⑨	Resistor (White-White-Orange).....	4411	.12
⑦	Compensating Condenser (Ant.; Broadcast and Police; Part of ⑤).....			⑩	Condenser.....	4519	.11
⑧	Antenna Transformer (H. F. Bands).....	32-1183		⑪	Condenser.....	4610	.11
⑨	Antenna Transformer (B'd's & Police B'd's).....	32-1182		⑫	Condenser (Double).....	7296-G	
⑩	Resistor (Brown-Black-Orange).....	4412		⑬	Resistor (Yellow-Black-Green).....	6010	.12
⑪	Compensating Condenser (Range 3).....	04000-V	.12	⑭	Switch (Toggle); Interstation Noise Sup- pression Circuit.....	49 1026	.24
⑫	Condenser.....	80-1000	.12	⑮	Volume Control and "On-Off" Switch.....	33-5013	.60
⑬	Compensating Condenser (Range 2; series).....	04000-R	.21	⑯	Resistor (Green-Black-Red).....	5310	.12
⑭	Compensating Condenser (Range 1; series).....	04000-R	.21	⑰	Condenser.....	3903-J	.12
⑮	Condenser.....	3615-L	.10	⑱	Condenser.....	4510	.11
⑯	Resistor (Green-Black-Red).....	8310	.12	⑲	Condenser.....	3615-AD	.12
⑰	Condenser.....	8888	.15	⑳	Resistor (White-White-Orange).....	4411	.12
⑱	Resistor (Brown-Black-Orange).....	1219	.12	㉑	Resistor (Violet-Black-Orange).....	5388	.12
㉑	Oscillator Coil (H. F.).....	32-1185		㉒	Filter Condenser Bank.....	36L4096	1.80
㉒	Condenser.....	7301	.21	㉓	Resistor (Brown-Blue-Yellow).....	5331	.12
㉓	Resistor (Brown-Black-Orange).....	4412	.12	㉔	Resistor (White-White-Orange).....	4411	.12
㉔	Compensating Condenser (Range 1; Shunt).....	0 4000 A	.06	㉕	Condenser (Double).....	6287-J	
㉕	Oscillator Coil (Broadcast and Police).....	32-1184		㉖	Input Transformer.....	32-7067	1.35
㉖	Compensating Condenser (Osc.; H. F.; Part of ⑤).....			㉗	Resistor (Brown-Black-Orange).....	3524	.12
㉗	Compensating Condenser (H.F.; Police; Part of ⑤).....			㉘	Condenser.....	3903-F	.09
㉘	Resistor (Flexible Wire-wound; Green- Black-Brown).....	6977	.12	㉙	Output Transformer.....	32-7062	.90
㉙	Condenser.....	5882	.12	㉚	Voice Coil and Cass. Assembly.....	36L3061	.46
㉚	Resistor (Green-Brown-Orange).....	4237	.12	㉛	Speaker Field, Assembled with Pol (U-2).....	38-3088	.12
㉛	Compensating Cond'ns (1st. I. F. Primary).....	31-6002		㉜	Resistor (Brown-Black-Green).....	4409	.18
㉜	1st. I. F. Transformer.....	32-1186		㉝	Resistor (Wire-wound).....	33-3020	.12
㉝	Compensating Cond'r (1st. I. F. Secondary).....	Common with ⑤		㉞	Resistor (Brown-Black-Green).....	4409	.12
㉞	Condenser.....	3615-AB	.12	㉟	Condenser (Electrolytic).....	30-2003	.42
㉟	Resistor (Flexible Wire-wound; Orange- Black-Brown).....	22 2010	.05	㊱	Resistor (Yellow-White-Yellow).....	4517	.12
㊱	Condenser.....	3615-AT	.12	㊲	Condenser (Internal to ㉟).....		
㊲	Resistor (Red-Black-Green).....	5872	.12	㊳	Tone Control.....	30-4023	
㊳	Condenser.....	3615-D	.11	㊴	Condensers (External to ㉟).....	06713	.27
㊴	Resistor (Brown-Black-Orange).....	7009	.12	㊵	Voltage Divider Resistor (Wire-wound).....	33-3021	.10
㊵	Resistor (White-White-Orange).....	4411	.12	㊶	Potentiometer (Interstation Noise Suppres- sion Circuit).....	33-5015	.48
㊶	Resistor (Yellow-White-Yellow).....	4517	.12	㊷	Resistor (Brown-Black-Orange).....	3524	.12
㊷	Compensating Cond'ns (2d. I. F. Primary).....	31-6002	.21	㊸	Resistor (Brown-Orange-Orange).....	6450	.21
㊸	2d. I. F. Transformer.....	22 1182		㊹	Filter Choke.....	32-7066	1.11
㊹	Compensating Cond'r (2d. I. F. Secondary).....	Common with ⑤		㊺	Condenser.....	8287-F	.08
㊺	Condenser.....	3615-AT	.12	㊻	Condenser (Electrolytic).....	30-2011	.75
㊻	Resistor (Flexible Wire-wound; Green- Black-Brown).....	6977	.12	㊼	Condenser (Electrolytic).....	36-2011	.75
㊼	Pilot Lamp (Station Selector).....	6608	.09	㊽	Power Transformer (50-60~).....	32-7055	3.00
㊽	Shadow Tuning Meter.....	6497	1.35	㊾	Condenser (Double).....	3703-E	.12
㊾	Pilot Lamp (Shadow Tuning Meter; Part of ㊽).....			㊿	Resistor (Brown-Green-Orange).....	5718	.24

NOTE.—Model 16-121 uses a Type 80 tube in lieu of 5-Z-3. Parts used in the 16-121 chassis that differ from the 16-122 parts are listed here:

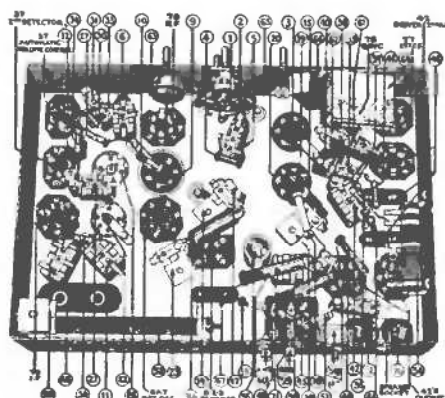
㉑	Power Transformer (50-60~).....	32-7080	2.70	Speaker.....	K-17	
㉒	Condenser (Electrolytic) (5.0 Mfd.).....	6706	.80	Speaker Socket.....	7054	per C .45
㉓	Condenser (Electrolytic) (8.0 Mfd.).....	7464	.75	Speaker Cable.....	1.1932	.12

45. INTERNAL CONNECTIONS
FIVE CAPACITOR BANKS



⑤ TONE CONTROL
EXTERNAL CONDENSED SECTIONS

MODEL 17

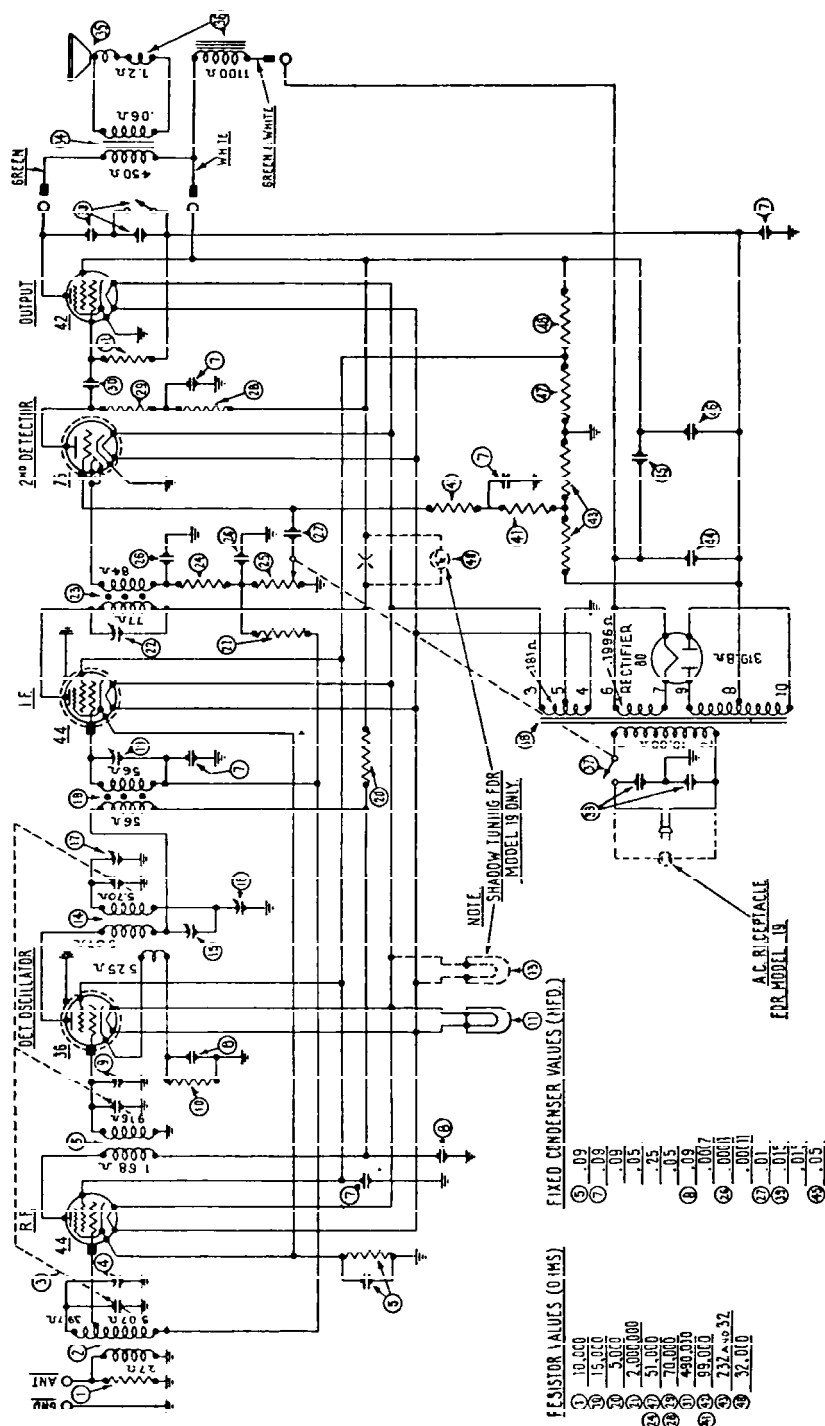


REPLACEMENT PARTS FOR MODEL 17

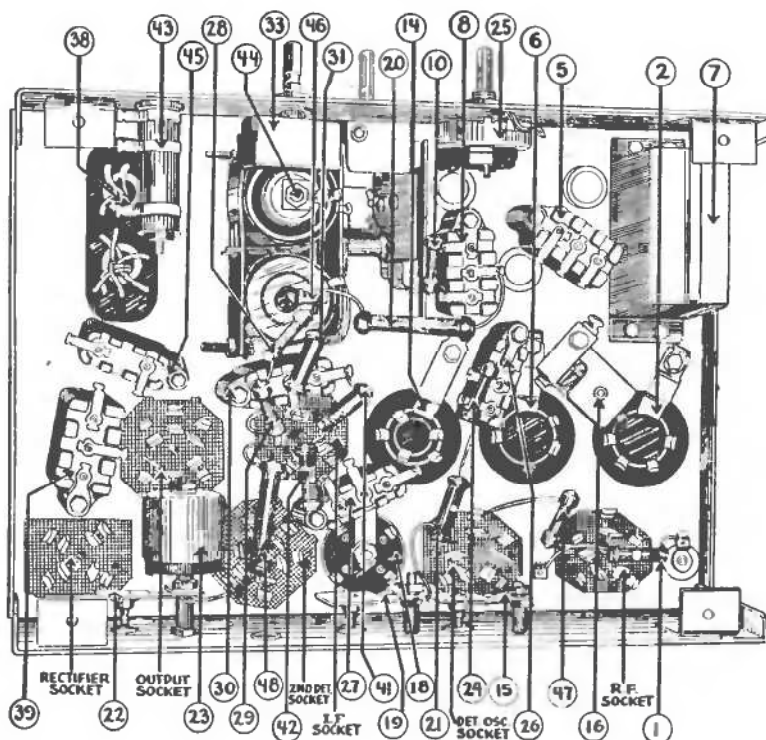
			DEALER					DEALER	
No. on Figs.	Description	Part Number	NET PRICE		No. on Figs.	Description	Part Number	List Price	NET PRICE
①	Wave Band Switch.....	42-1035	.39		③⑧	Resistor (White-White-Orange).....	4411	.20	.12
②	Resistor (Brown-Black-Orange).....	4412	.12		③⑨	Condenser.....	3903-L	.16	.10
③	Antenna Transformer.....	32-1170	.42		④①	Condenser.....	4519	.18	.11
④	Resistor (Brown-Black-Green).....	4409	.12		④②	Resistor (Brown-Blue-Yellow).....	5331	.20	.12
⑤	Condenser.....	3615-BC	.10		④③	Condenser.....	6287-H	.20	.12
⑤a	Resistor (Brown-Black-Red).....	5837	.12		④④	Resistor (Violet-Black-Orange).....	5385	.20	.12
⑥	Condenser (Double).....	7296-E	.10		④⑤	Resistor (White-White-Orange).....	4411	.20	.12
⑦	Tuning Condenser Assembly.....	31-1041	2.25		④⑥	Filter Condenser Bank.....	30-4026	1.80	
⑧	Compensating Condenser (Ant.; Part of ⑦).....				④⑦	Input Transformer.....	32-7057	1.35	
⑨	1st Detector Transformer.....	32-1171	.42		④⑧	Condenser.....	3903-F	.15	.09
⑩	Resistor (Brown-Black-Green).....	4409	.12		④⑨	Resistor (Brown-Black-Orange).....	3524	.20	.12
⑪	Condenser (Double).....	3615-AP	.11		⑤①	Output Transformer.....	32-7052	.90	
⑫	Compensating Condenser (Det.; Part of ⑦).....				⑤②	Voice Coil & Cone Assembly.....	36-3061	.45	
⑬	Compensating Cond. (Osc.; Part of ⑦).....				⑤③	Speaker Field, Assembled with Pot, (U-2).....	36-3088		
⑭	Compensating Condenser (Oscillator).....	04000-R	.21		⑤④	Resistor (Wire-Wound).....	83-3020	.18	
⑮	Condenser.....	7301	.21		⑤⑤	Resistor (Brown-Black-Green).....	4409	.20	.12
⑯	Compensating Cond. (High Freq.).....	04000-R	.21		⑤⑥	Voltage Divider Resistor (Wire-Wound).....	33-3021	.10	
⑰	Resistor (Green-Brown-Orange).....	4518	.12		⑤⑦	Condenser (Electrolytic).....	30-2003	.42	
⑱	Resistor (Red-Black-Orange).....	6649	.12		⑤⑧	Potentiometer (Interstation Noise Supp. Ckt.).....	33-5015	.48	
⑲①	Condenser.....	4519	.11		⑤⑨	Resistor (Green-Black-Red).....	5310	.20	.12
⑲②	Oscillator Transformer.....	32-1172	.45		⑤⑩	Resistor (Orange-Orange-Red).....	7238	.20	.12
⑲③	Condenser (Double).....	8318-C	.11		⑤⑪	Resistor (Brown-Green-Orange).....	5718	.40	.24
⑲④	Condenser.....	30-4012	.09		⑤⑫	Resistor (Brown-Orange-Orange).....	6450	.35	.21
⑲⑤	1st I. F. Transformer.....	32-1173	.45		⑤⑬	Condenser.....	3903-L	.16	.10
⑲⑥	Compensating Cond. (1st. I. F. Pri.).....	04000-M	.10		⑤⑭	Resistor (Green-Black-Red).....	5310	.20	.12
⑲⑦	Compensating Cond. (1st. I. F. Sec.).....	31-6001	.21		⑤⑮	Volume Control & "On-Off" Switch.....	33-5013	.60	
⑲⑧	Compensating Cond. (1st. I. F. Tert.).....	31-6001	.21		⑤⑯	Condenser (External to ⑤⑮).....	06713	.45	.27
⑲⑨	Compensating Cond. (2nd. I. F. Pri.).....	31-6000	.21		⑤⑰	Tone Control.....	30-4028	.27	
⑲⑩	Compensating Cond. (2nd. I. F. Sec.).....	31-6000	.21		⑤⑱	Condensers (Internal to ⑤⑮).....			
⑲⑪	2nd. I. F. Transformer.....	32-1174	.36		⑤⑲	Filter Choke.....	32-7056	1.11	
⑲⑫	Resistor (Brown-Black-Green).....	4409	.12		⑤⑳	Power Transformer (50-60, 1/2).....	32-7058	3.00	
⑲⑬	Pilot Lamp (Shadow Tuning Meter); (Part of ⑲⑫).....				⑤㉑	Condenser (Double).....	3793-R	.25	.15
⑲⑭	Shadow Tuning Meter.....	6497	1.35		⑤㉒	Condenser (Electrolytic).....	30-2011	.75	
⑲⑮	Resistor (White-White-Orange).....	4411	.12		⑤㉓	Condenser.....	6287-F	.12	.08
⑲⑯	Condenser (Double).....	8035-C	.10		⑤㉔	Condenser (Electrolytic).....	30-2011	.75	
⑲⑰	Condenser.....	4519	.11		⑤㉕	Pilot Lamp (Station Selector).....	6608	.12	.08
⑲⑱	Resistor (Yellow-Black-Green).....	6010	.12		⑤㉖	Tube Shield.....	28-1107	.10	.06
⑲㉑	Resistor (Yellow-White-Yellow).....	3769	.12		⑤㉗	Four Prong Socket.....	7545	.08	.05
⑲㉒	Switch (Toggle); (Interstation Noise Supp. Ckt.).....	42-1036	.24		⑤㉘	Five Prong Socket.....	7546	.10	.06
⑲㉓	Resistor (Yellow-White-Yellow).....	4517	.12		⑤㉙	Six Prong Socket.....	7547	.10	.06
⑲㉔	Resistor (Red-Black-Green).....	5872	.12		⑤㉚	Seven Prong Socket.....	27-6005	.10	.06
⑲㉕					⑤㉛	Knob (large).....	03063	.08	.05
⑲㉖					⑤㉜	Knob (small).....	03064	.08	.04

NOTE: Model 17-121 uses a Type 80 tube in lieu of 5Z3; Power Transformer (50-60, 1/2) ⑤⑳ No. 32-7080; Resistors (Brown-Black-Orange) No. 33-1024 in both ⑤⑩ and ⑤⑪; Electrolytic Condensers ⑤⑮ No. 6707 and ⑤⑯ No. 7464; Speaker "K-17"; Speaker Socket No. 7084; Speaker Cable L-1632

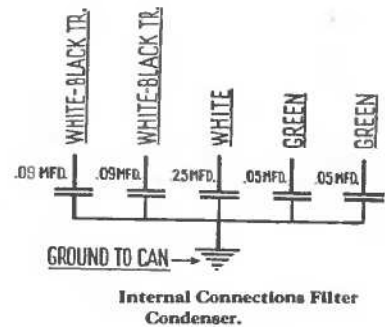
Models 19 and 89



Models 19 and 89



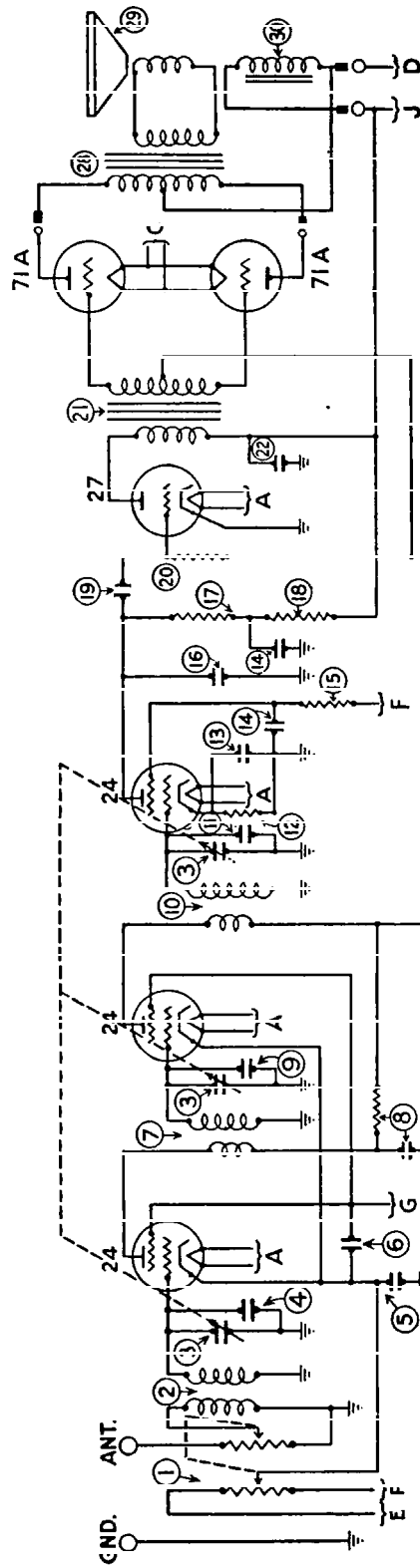
Bottom View of Chassis, Showing Parts



Replacement Parts for Models 19 and 89

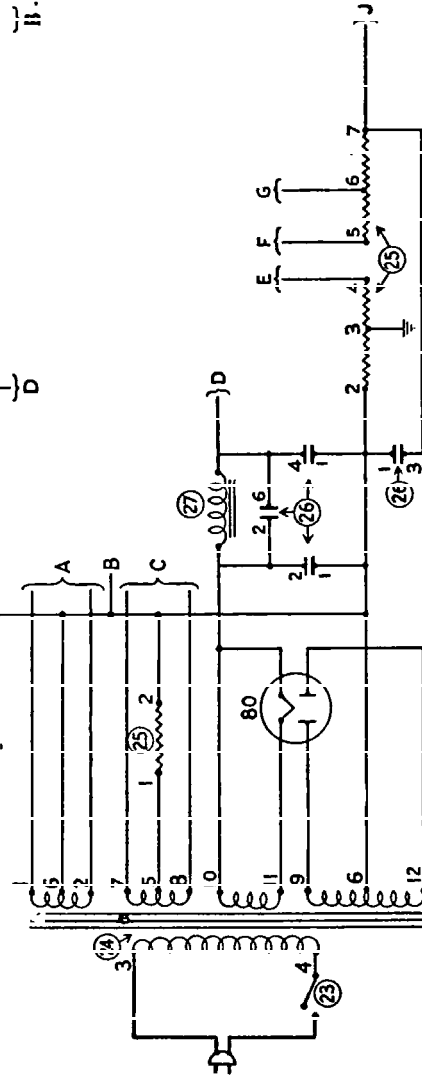
	Part No.	DEALER NET PRICE		Part No.	DEALER NET PRICE
① Resistor (10,000 Ohms) Brown—Black—Orange	4412	.12	②⑨ Resistor (70,000 Ohms) Violet—Black—Orange	5385	.12
② Antenna Transformer	06619	.27	③⑩ Condenser (.01 Mfd.)	3903-T	.10
③ Tuning Condenser Assembly	06577	2.40	④⑪ Resistor (490,000 Ohms) Yellow—White—Yellow	4517	.12
④ Compensating Condenser—(R.F. Part of Tuning Condenser Assembly)			⑤⑫ Bezel	8055	.12
⑤ Condenser and Resistor—(.09 Mfd. and 200Ω)	4989-W	.12	⑥⑬ Tone Control	06704	.24
⑥ Interstage Transformer	06662	.27	⑦⑭ Output Transformer	2580	.76
⑦ Filter Cond. Bank (.09—.09—.05—.05—.25)	06624	.45	⑧⑮ Voice Coil and Cone Assembly	02823	.27
⑧ Condenser (Double—.09 and .0007 Mfd.)	8174-B	.10	⑨⑯ Speaker Field and Bucking Coil Assembled with Pot (K-7)	02761	1.35
⑨ Compensating Condenser—(R.F. Part of Tuning Condenser Assembly)			⑩⑰ Switch (A.C.) Part of Vol. Control Assembly		
⑩ Resistor (15,000 Ohms) Brown—Green—Orange	6208	.12	⑪⑱ Power Transformer (50-60 Cycles, 115 Volts)	8046	1.80
⑪ Pilot Lamp	6608	.09	⑫⑲ Power Transformer (25-40 Cycles—115 Volts)	8047	2.70
⑫ Dial Scale	7882	.08	⑬⑳ Power Transformer (50-60 Cycles—230 Volts)	8048	1.80
⑬ Pilot Lamp—(Shadow Tuning)	6608	.09	⑭㉑ Condenser (Double—.015 and .015 Mfd.)	3793-E	.12
⑭ Oscillator Transformer	06620	.45	⑮㉒ Shadow Tuning	6497-G	1.35
⑮ Compensating Condenser — (1st I.F. Primary)	04000-M	.10	⑯㉓ Resistor (99,000 Ohms) White—White—Orange	4411	.12
⑯ Compensating Condenser — (Low Frequency)	04000-S	.15	⑰㉔ Resistor (1,000,000 Ohms) Brown—Black—Green	4409	.12
⑰ Compensating Condenser—(R.F. Part of Tuning Condenser Assembly)			⑱㉕ B.C. Resistor (235 Ohms and 32 Ohms—Wire Wound)	7998	.09
⑰ First I.F. Transformer	06621	.30	㉑㉖ Electrolytic Condenser—6 Mfd.	8165	.60
⑰ Compensating Condenser (1st I.F. Secondary)	04000-M	.10	㉒㉗ Condenser (.05 Mfd.)	3615-E	.12
⑳ Resistor (5,000 Ohms) Green—Black—Red	3526	.12	㉓㉘ Electrolytic Condenser—6 Mfd.	8166	.60
㉑ Resistor (2,000,000 Ohms) Red—Black—Green	5872	.12	㉔㉙ Resistor (51,000 Ohms) Green—Brown—Orange	4518	.12
㉒ Compensating Cond. (2nd I.F. Primary)	04000-A	.08	㉕㉚ Resistor (32,000 Ohms) Orange—Red—Orange	3525	.12
㉒ Second I.F. Transformer	06622	.60	㉖㉛ Tube Shield	8005	.03
㉒ Resistor (51,000 Ohms) Green—Brown—Orange	6098	.12	㉗㉜ Knob (Large)	03063	.05
㉒ Volume Control and A.C. Switch	8003	.48	㉘㉝ Knob (Small)	03064	.04
㉒ Condenser (Double—.00011 & .00011 Mfd.)	8035-C	.10	㉙㉞ Knob Spring	5262	per C .21
㉒ Condenser (.01 Mfd.)	3903-AB	.09	㉚㉟ Grid Clip	4897	per C .18
㉒ Resistor (70,000 Ohms) Violet—Black—Orange	5385	.12	㉛㊱ Four Prong Socket	7544	.04
			㉜㊱ Five Prong Socket	7546	.05
			㉝㊱ Six Prong Socket	7547	.06
			㉞㊱ Pilot Lamp Shield	5760	per C .24

Models 20, 20-A and 21

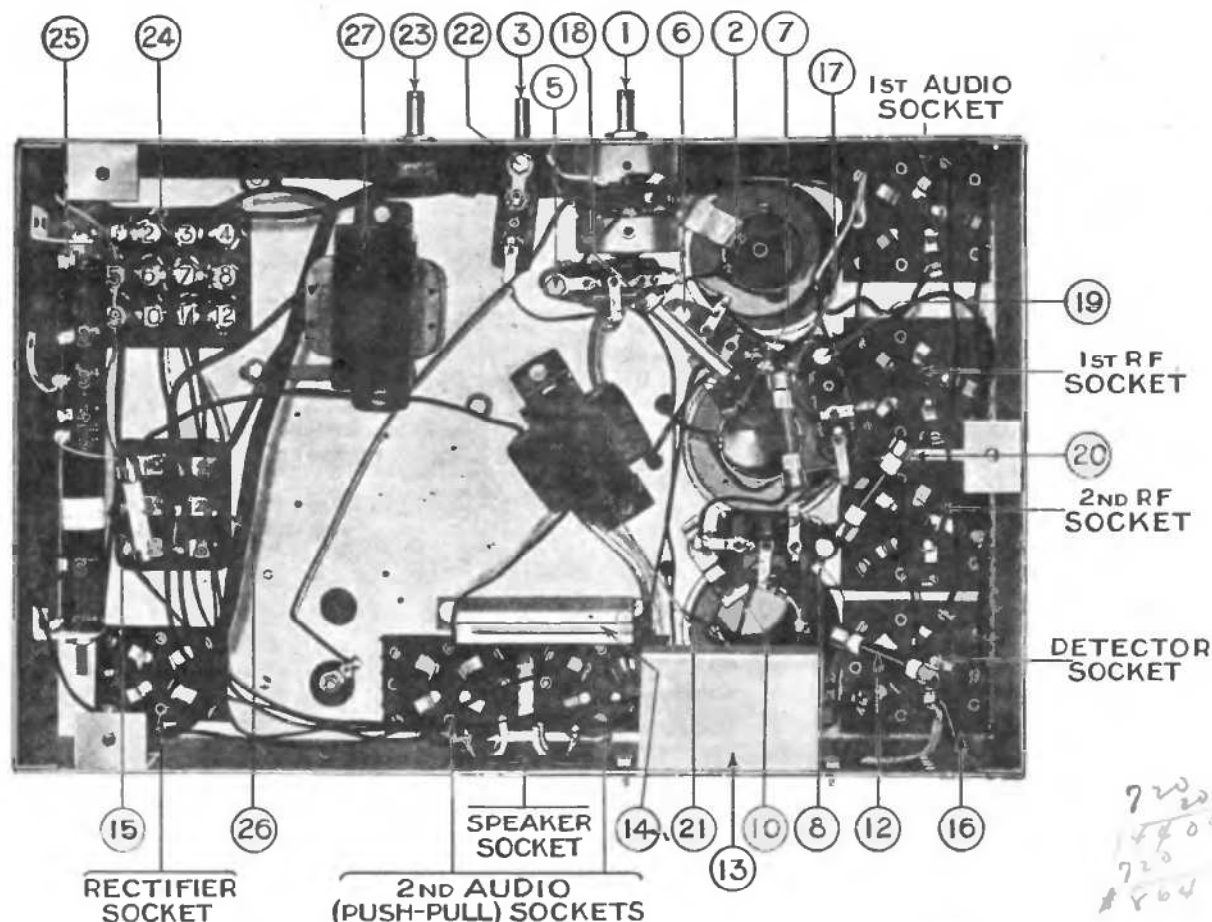


11.

INDICATES CHASSIS
SPEAKER PLUG AND SOCKET
CONNECTIONS SHOWN - O -
TERMINAL 5 OF (26) IS DUMMY TERMINAL



Models 20, 20-A and 21

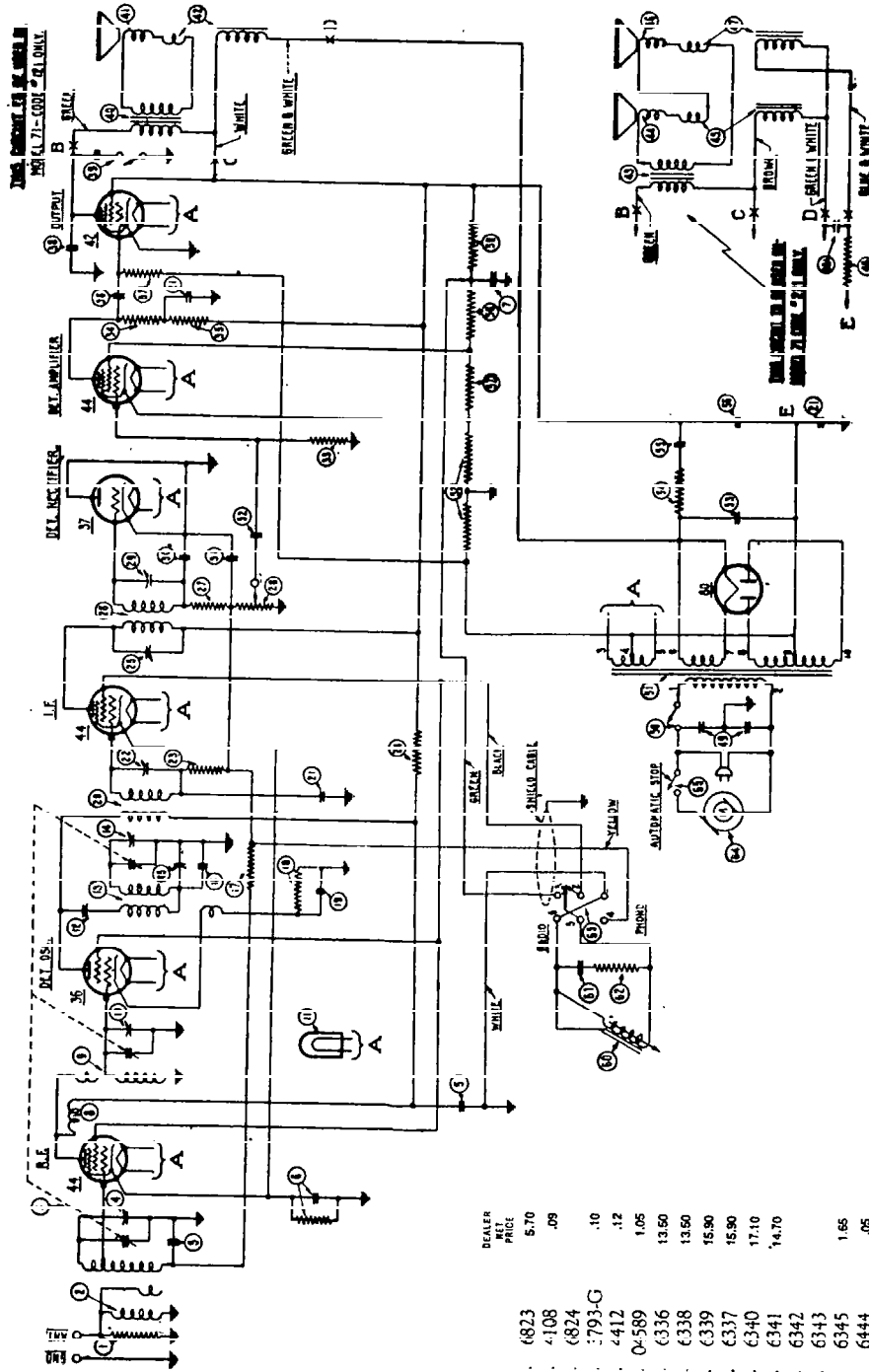


REPLACEMENT PARTS—MODELS 20, 20 A and 21

No.	Description	Part No.	DEALER NET PRICE	No.	Description	Part No.	DEALER NET PRICE
①	Volume Control	4094	.75	②④	Power Transformer (50-60 cycle)	4234	3.60
②	First R. F. Transformer	3884-N	.45	②⑤	Power Transformer (25-60 cycle)	4268	7.20
③	Tuning Condenser	4200-A	2.65	②⑥	B. C. Resistor	4230	.51
④	First Compensating Condenser (Part of Tuning Condenser Assembly)			②⑦	Filter Condenser (50-60 cycle)	4235	2.25
⑤	By-Pass Condenser (.05)	3615-J	.11	②⑧	Filter Condenser (25-60 cycle)	4269	3.30
⑥	By-Pass Condenser (.05)	3615-M	.11	②⑨	Filter Choke	4231	.90
⑦	Second R. F. Transformer	3884-P		③①	Push-Pull Output Transformer	2766	1.20
⑧	By-Pass Condenser (.05) and Resistor	3615-K	.18	③②	Voice Coil and Cone	2769-B	.45
⑨	Second Compensating Con- denser			③③	Field Coil	2768	.75
	(Part of Tuning Condenser Assembly)				Speaker Plug and Cord	L-1124-A	.24
⑩	Third R. F. Transformer	3884-P	.51		Four-Prong Socket Assembly	3977-A	.05
⑪	Third Compensating Condenser (Part of Tuning Condenser Assembly)				Speaker Socket	3977-B	.05
⑫	Resistor (50,000)	4237	.12		Five-Prong Socket Assembly	3979-A	.06
⑬	By-Pass Condenser (.5)	3583	.24		R. F. Tube Shield	4228-A	.24
⑭	By-Pass Condenser (double .25)	3557	.27		Volume Control Insulators	4092	.01
⑮	Resistor (250,000)	3768	.12		Volume Control Insulators	4286	.01
⑯	By-Pass Condenser (.00025)	3082	.12		Tuning Condenser Dial Scale	4261	.12
⑰	Resistor (500,000)	3769	.12		A. C. Cord	L-943-A	.30
⑱	Resistor (100,000)	3767	.12		Knob (Large)	4289-A	.05
⑲	Condenser (.01)	3903-F	.09		Knob (Small)	4290-A	.03
⑳	Resistor (500,000)	3769	.12		Cabinet	34000	
㉑	Push-pull Input Transformer	4232	1.35		Bezel Plate	4252	.12
㉒	By-Pass Condenser (.05)	3615-L	.10		Fahnestock Clip	L-1126	.01
㉓	On-off Switch	4095	.30		Finishing Rosettes	4267	.02
					Speaker Mounting Screws (three used)	W-493	per C .24
					Speaker Mounting Screws (one used)	W-483	per C .21
					Chassis Hold-Down Bolts	W-490	.02
					Feet	W-353	.03

Note:—R. F. Transformers ②, ④ and ⑥ should not be confused with R. F. Transformers ①, ③, ⑤ and ⑦ on Bulletin 28. They are not interchangeable.

Model 22L Radio-Phonograph

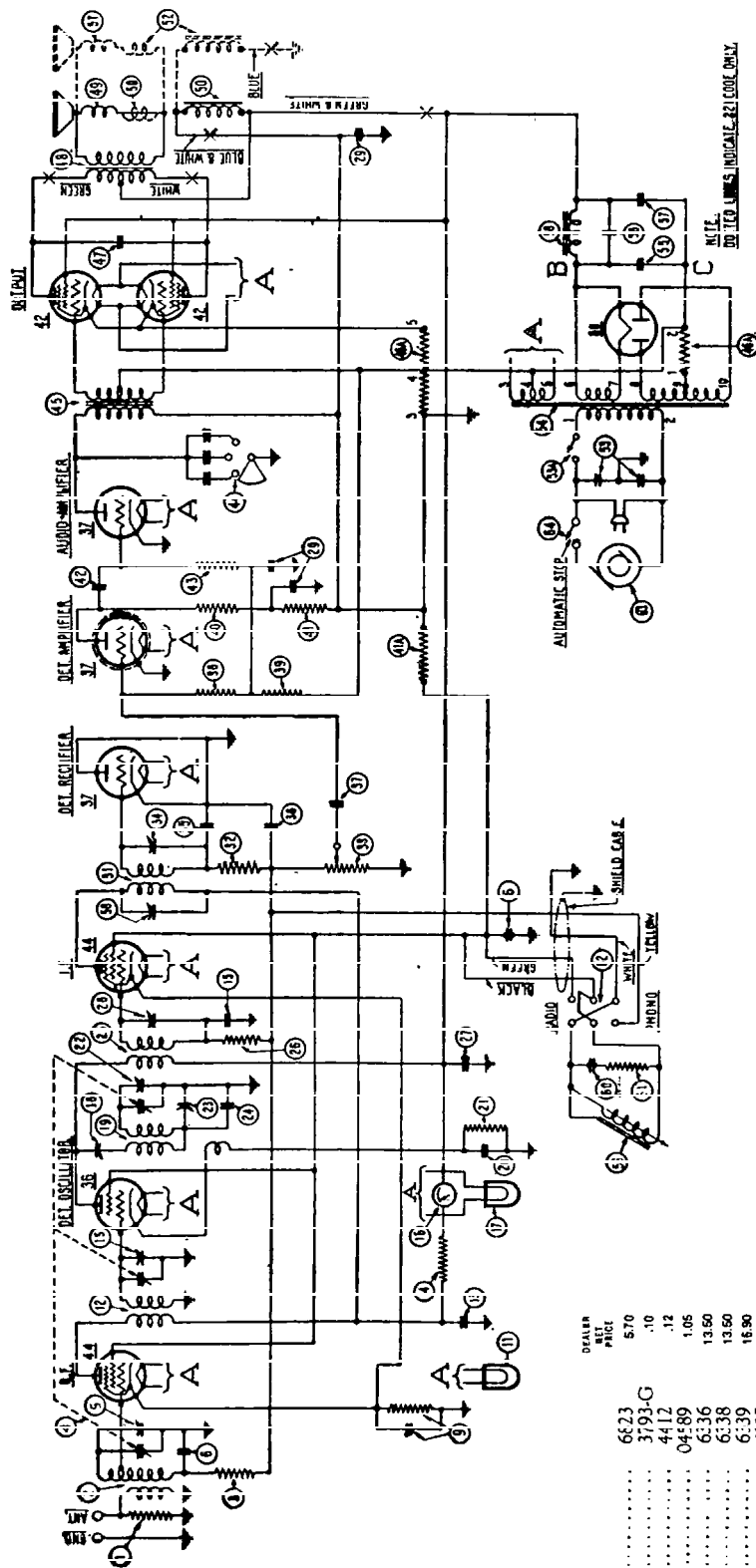


DEALER KIT PRICE		
5.70	.09	
.10	.12	
1.05	1.35	
13.50	15.90	
15.90	17.10	
14.70		
1.65	.05	
.21	.02	
.10	.18	
.05	1.50	
.15		
.35		
(60)	Electric pickup.....	(823
	Needle screw.....	4108
	One Arm comp etc with pickup.....	(824
(61)	Condenser (.015 Mfd.).....	3793-G
(62)	Resistor 10,000 ohms.....	4412
(63)	Radio-phonograph Switch.....	0-589
(64)	Motor (115 volts 60 cycles).....	6336
	Motor (115 volts 50 cycles).....	6338
	Motor (115 volts 40 cycles).....	6339
	Motor (115 volts 25 cycles).....	6337
	Motor (230 volts 60 cycles).....	6340
	Motor (210 volts 50 cycles).....	6341
	Motor (230 volts 40 cycles).....	6342
	Motor (210 volts 25 cycles).....	6343
(65)	Motor Switch.....	6345
	Switch Plate.....	6444
	Switch Indicator.....	4227
	Switch Knob.....	03437
	Needle Cup (2 usd).....	4101
	Used Needle cup.....	4102
	Motor Speed Indicator Plate.....	6147
	Turntable.....	6144
	Card Connector Plug.....	4491
	Card Connector Assembly.....	4-24-A

The Model 22L has the same radio chassis as the model 71-221 except for the additional wiring of the phonograph equipment.

Model 23X

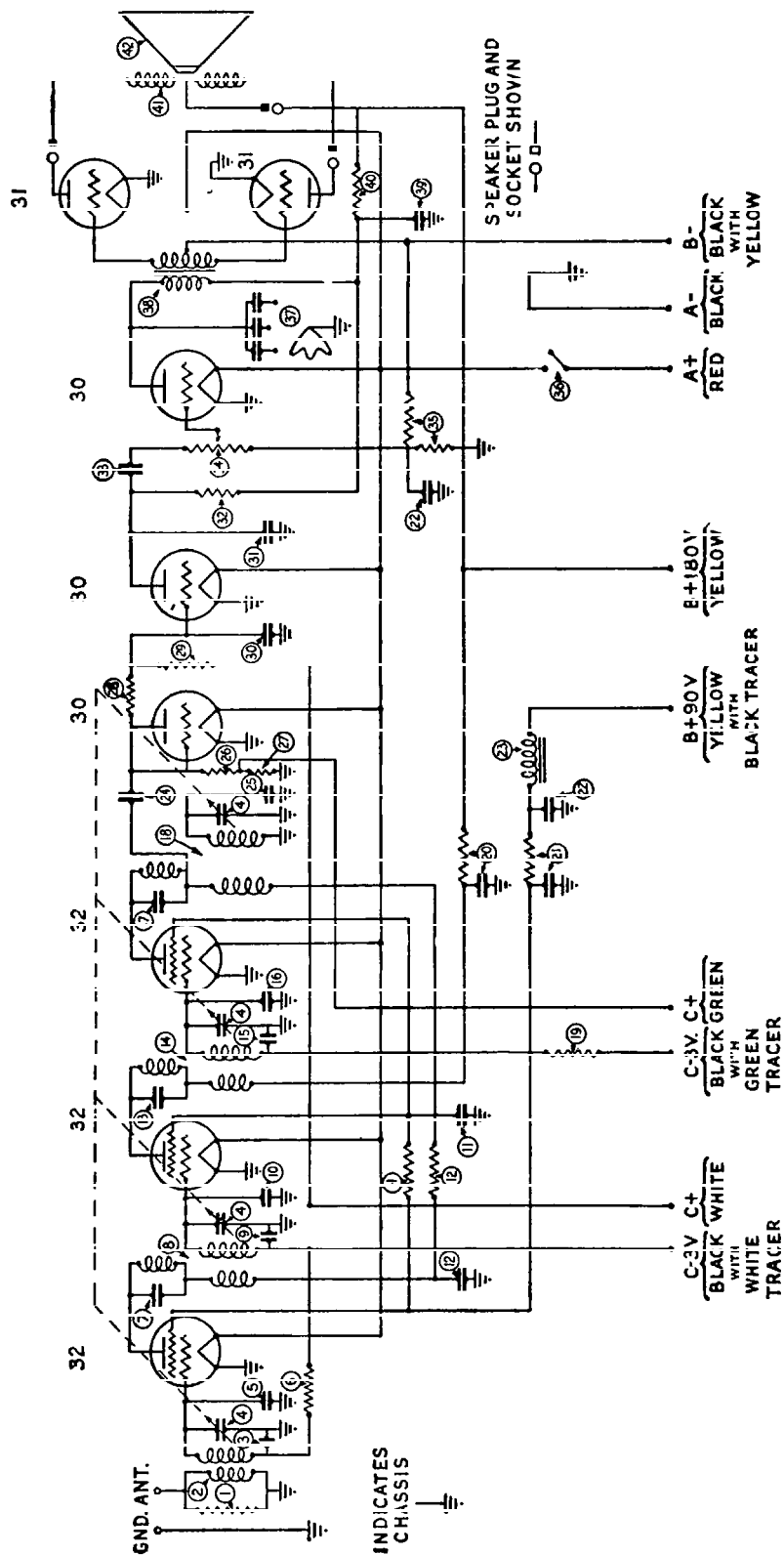
Radio-Phonograph



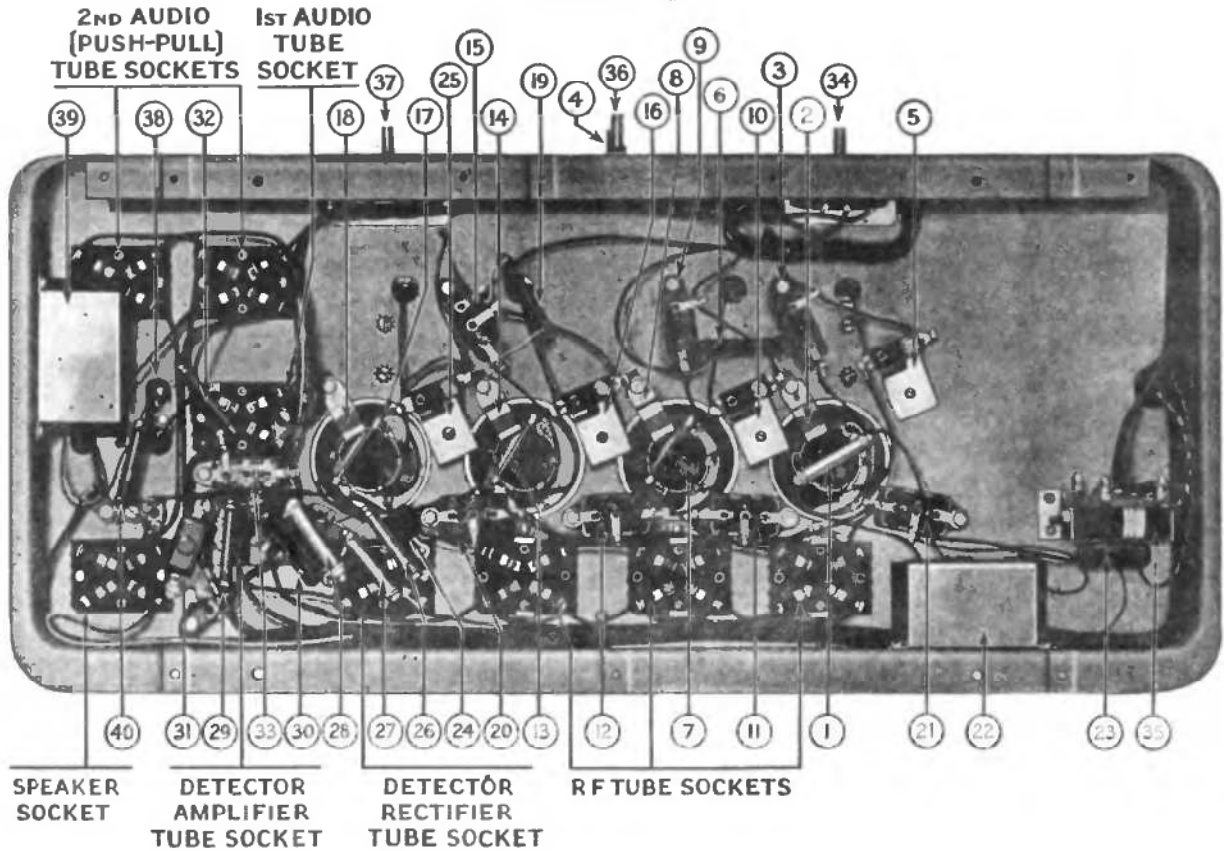
(60) Electric Pickup.....	6823	5.70
(61) Condenser (.015 Mfd.).....	3793-G	.10
(62) Resistor 10,000 ohms.....	4412	.12
(63) Radio-phonograph switch.....	0489	1.05
(64) Motor (115 volts 60 cycles).....	6336	13.50
Motor (115 volts 50 cycles).....	6338	13.50
Motor (115 volts 40 cycles).....	6339	13.50
Motor (115 volts 25 cycles).....	6337	13.50
Motor (230 volts 60 cycles).....	6340	17.10
Motor (230 volts 50 cycles).....	6341	14.70
Motor (230 volts 40 cycles).....	6342	
Motor (230 volts 25 cycles).....	6343	
Motor Switch.....	6345	1.55
Needle Screw.....	4108	.09
Tone Arm complete with pickup.....	6824	.05
Switch plate.....	6444	.21
Switch Indicator.....	4227	.02
Switch knob.....	03437	.10
Needle Cup (2 used).....	4101	.18
Used Needle Cup.....	4102	.05
Motor Speed Indicator Plate.....	6347	1.50
Turntable.....	6344	.15
Cord Connector Plug.....	4091	.36
Cord Connector Assembly.....	4124-A	.03
Rubber Washer (4 used for motor board).....	4C74	

The model 23X has the same radio chassis as the model 91-221 except for the additional wiring of the phonograph equipment.

Model 30



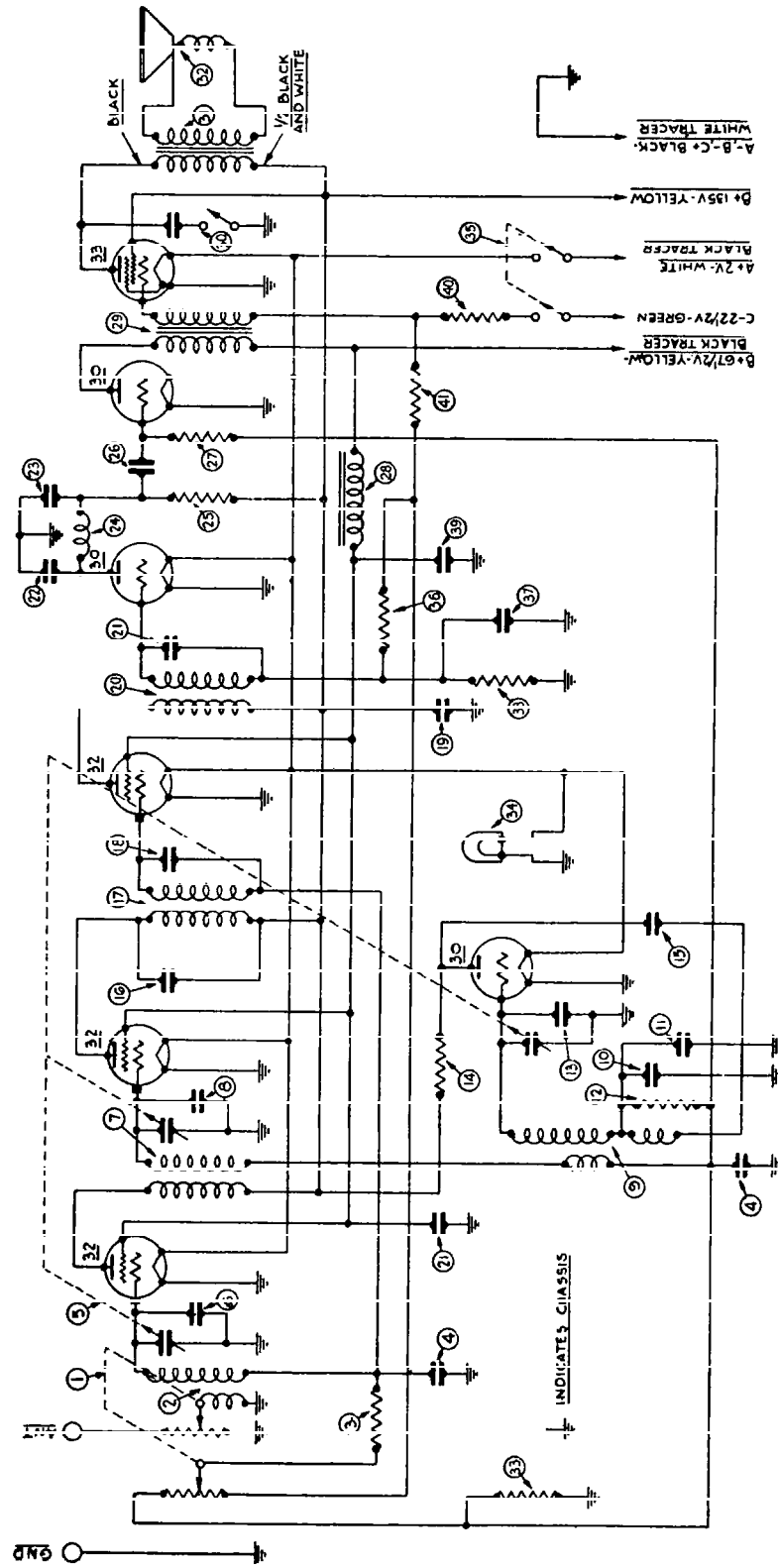
Model 30



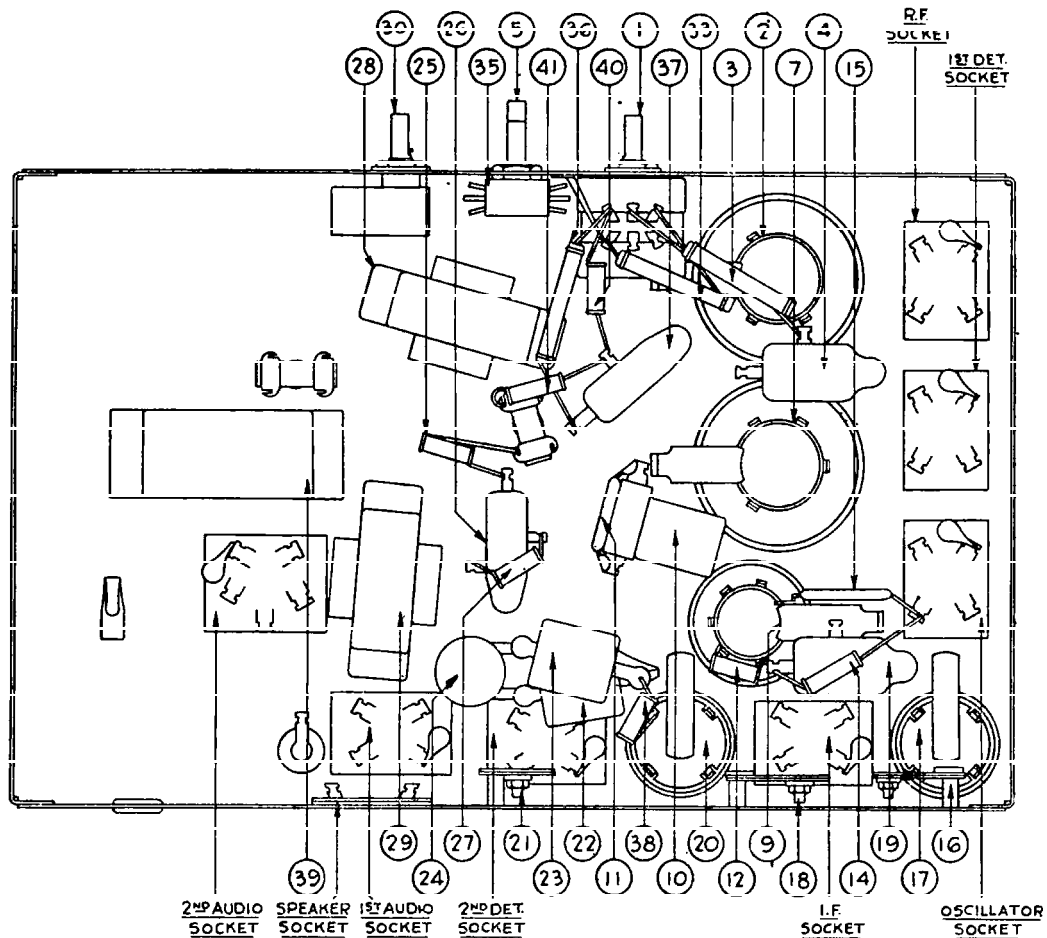
REPLACEMENT PARTS LIST

No. on Figs. 1 and 2	Description	Part No.	NET PRICE	No. on Figs. 1 and 2	Description	Part No.	NET PRICE
①	Resistor (5000)	3526	.12	②	Resistor (100,000)	3767	.12
②	Antenna Coil	4182-A	.36	③	Resistor (250,000)	3768	.12
③	By-Pass Condenser (.05)	3615-E	.12	④	Resistor (500,000)	3769	.12
④	Tuning Condenser	4000-G	6.00	⑤	By-Pass Condenser (.000250)	3082	.12
⑤	Compensating Condenser	3968-A	.12	⑥	By-Pass Condenser (.000250)	3082	.12
⑥	Resistor (70,000)	3542	.12	⑦	Resistor (500,000)	3769	.12
⑦	Coupling Condenser	3892-A	.09	⑧	By-Pass Condenser (.01)	3903-F	.09
⑧	Coil—2d R. F.	4182-B	.60	⑨	Volume Control	4093	.84
⑨	By-Pass (.05)	3615-E	.12	⑩	Resistor	3864	.36
⑩	Compensating Condenser	3968-A	.12	⑪	On-Off Switch	4095	.30
⑪	By-Pass Condenser (.05) and Resistor	3615-B	.18	⑫	Tone Control	4037-A	.39
⑫	By-Pass Condenser (.05) and Resistor	3615-C	.18	⑬	Audio Transformer	3242	1.65
⑬	Coupling Condenser	3892-A	.09	⑭	By-Pass Condenser (Single .25)	4264	.24
⑭	Coil—3d R. F.	4182-B	1.20	⑮	Resistor (25,000)	3656	.12
⑮	By-Pass Condenser (.05)	3615-F	.12	⑯	Speaker Motor	2761	3.60
⑯	Compensating Condenser	3968-A	.12	⑰	Cone Assembly	2764-A	.24
⑰	Coupling Condenser	3892-A	.09		Speaker Cord and Plug	L-1127-A	.39
⑱	Coil—4th R. F.	4182-B	.60		Knob (Large)	3580-A	.07
⑲	Resistor (500,000)	3769	.12		Knob (Small)	3579-A	.04
⑳	By-Pass Condenser (.05) and Resistor	3615-C	.18		Spring (For 3579 and 3580)	3305	.02
㉑	By-Pass Condenser (.05) and Resistor	3615-B	.18		Knob (Switch)	4146-A	.03
㉒	By-Pass Condenser (Double .25)	3557	.27		Spring (For 4146)	4147	.01
㉓	Filter Choke	3518	1.65		Tuning Scale	4139	.16
㉔	Condenser (.00005)	3774	.15		Grid Clip	4060-A	.02
㉕	Compensating Condenser	3772-A	.08		"A" Battery (2-volt) "Philco Dynamic 92-R"		
㉖	Resistor (100,000)	3767	.12		Tube Socket (32 type tube) Assembly	3977-C	.12
					Tube Socket	3977-A	.06
					Speaker Socket	3977-B	.05

Model 35



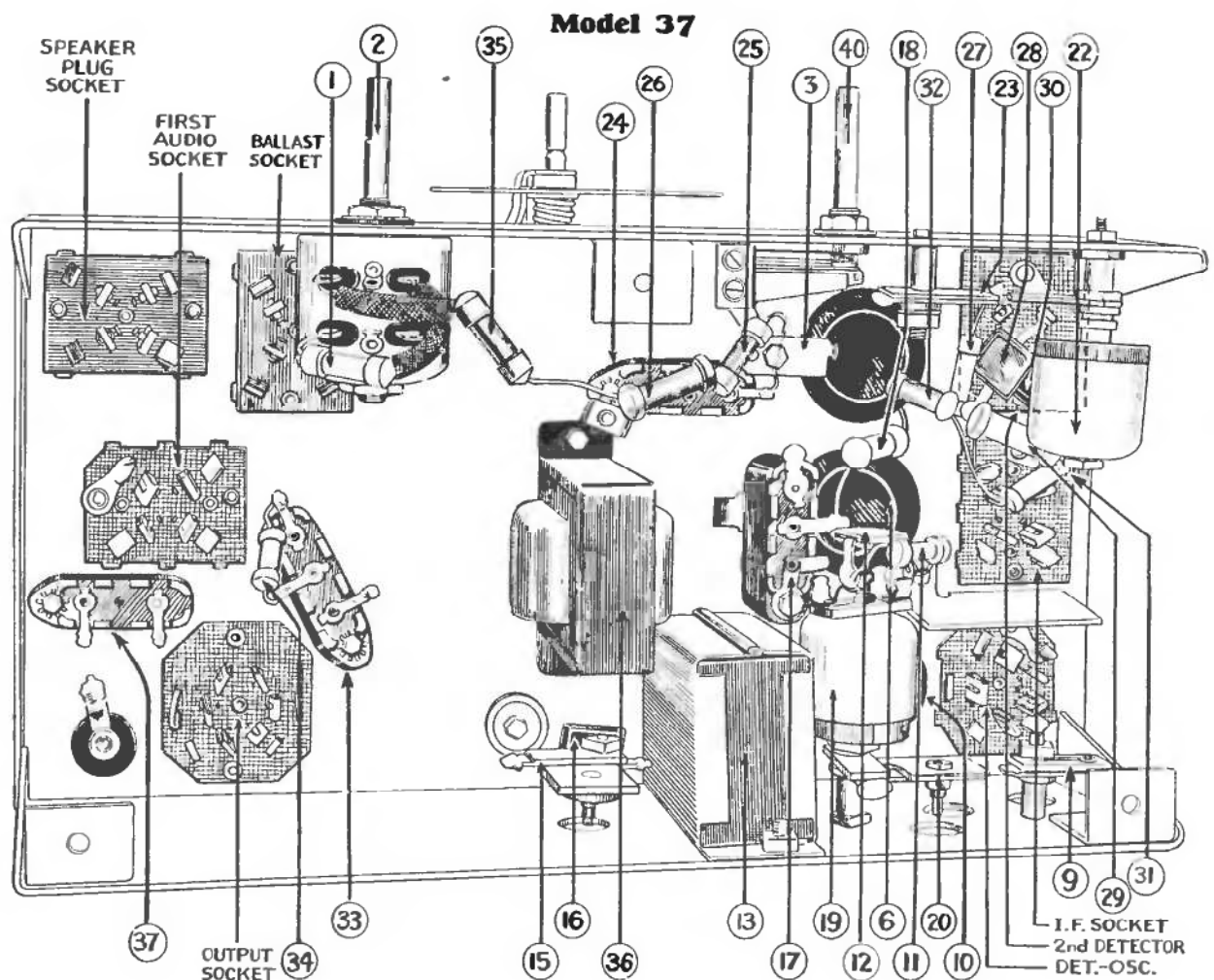
Model 35



REPLACEMENT PARTS LIST

	Part No.	NET PRICE		Part No.	DEALER NET PRICE
① Volume Control	5317	.90	②③ Detector R. F. Choke	03086	.21
② Antenna Coil	03320	.45	②④ Resistor (240,000 Ohms)	4410	.12
③ Resistor (240,000 Ohms)	3708	.15	②⑤ Condenser (.01 mfd.)	3903-1	.12
④ By-pass Condenser (.09 mfd.)	4989-B	.14	②⑥ Resistor (490,000 Ohms)	4517	.12
⑤ Tuning Condenser	03076	3.00	②⑦ Choke	5314	1.05
⑥ Compensating Condenser (part of tuning condenser assembly)			②⑧ Input Transformer	5315	1.35
⑦ First Detector Transformer	03083	.33	②⑨ Tone Control	03140	.24
⑧ Compensating Condenser (part of tuning condenser assembly)			②⑩ Output Transformer	2646	.96
⑨ Oscillator Coil	03321	.30	②⑪ Voice Coil and Cone	02949	.45
⑩ Compensating Condenser, Assembled	03249	.18	②⑫ Resistor (3000 Ohms)	5309	.15
⑪ Condenser (410 mmf.)			②⑬ Pilot Lamp	5216	.10
⑫ Resistor (51,000 Ohms)	4516	.12	②⑭ Switch	5318	.60
⑬ Compensating Condenser (part of tuning condenser assembly)			②⑮ Resistor (32,000 Ohms)	3525	.15
⑭ Resistor (51,000 Ohms)	4518	.12	②⑯ Condenser (.05 mfd.)	4959-F	.11
⑮ Condenser (110 mmf.)	4519	.11	②⑰ Resistor (99,000 Ohms)	1411	.12
⑯ Compensating Condenser, Assembled	03411	.10	②⑱ Condenser (2 mfd.)	03295	.60
⑰ First I. F. Transformer	03090	.51	②⑲ Resistor (5,000 Ohms)	5310	.12
⑱ Compensating Condenser, Assembled	03411	.10	②⑳ Resistor (10,000 Ohms)	4412	.12
⑲ Condenser (.09 mfd.)	4989-B	.14	③ Knob (Large)	03063	.05
⑳ Second I. F. Transformer	03092	.48	③ Knob (Small)	03064	.04
㉑ Compensating Condenser, Assembled	03411	.10	③ Spring (For Switch Knobs)	4147	.01
㉒ Condenser (.002 mfd.)	4059	.18	③ Spring (For Dial Knobs)	5269	per C. .21
㉓ Condenser (.002 mfd.)	4059	.16	③ Tube Shield	03306	.21
			③ Grid Clip	4897	per C. .18
			③ Grammet (R. F. Transformer Shield)	3747	.02
			③ Four Prong Socket Assembly	4955	.05
			③ Five Prong Socket Assembly	4956	.05
			③ Volume Control Insulator	4092	.01
			③ Volume Control Insulator	4286	.01
			③ Dial Assembly Complete	03051	.30
			③ Bezel	5009	.12
			③ Pilot Bracket Complete	03011	.18
			③ Light Shield Screen	4937	.02

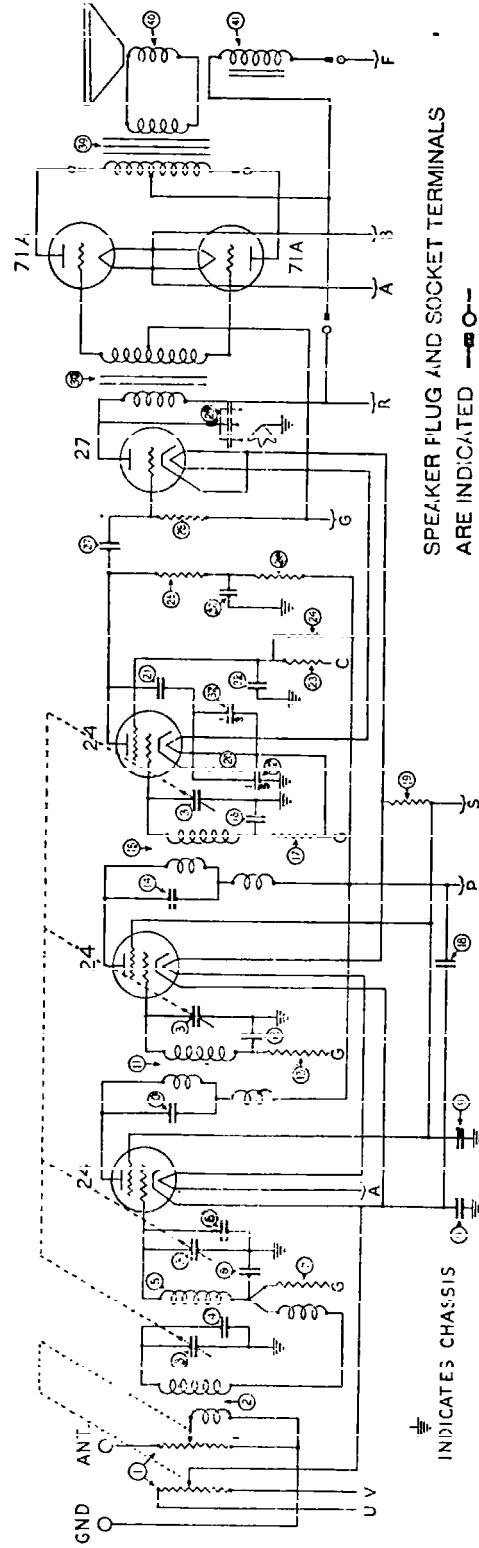
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Replacement Parts for Model 37

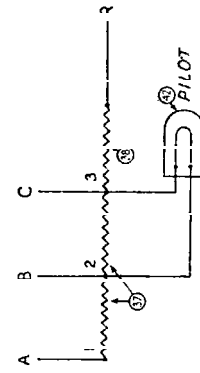
	Part No.	DEALER NET PRICE		Part No.	DEALER NET PRICE
① Resistor (2,900 Ohms)	5309	.12	②④ Second I.F. Transformer	05698	.46
② Volume Control	7239	.90	⑤ Comp. Cond. 2nd. I.F. Secondary 04000-A		.08
③ Antenna Transformer	05726	.33	⑥ Cond. .05 Mfd.	3615-AC	.12
④ Tuning Condenser Assembly	05740	2.65	⑦ Resistor (51,000 Ohms)	4518	.12
⑤ Compensating Cond.—Antenna— Part of Tuning Cond. Assembly			⑧ Resistor (25,000 Ohms)	4516	.12
⑥ Detector Transformer	05727	.27	⑨ Resistor (99,000 Ohms)	4411	.12
⑦ Compensating Cond.—Detector—Part of Tuning Cond. Assembly			⑩ Condenser 250 Mmf. Yellow	3082	.12
⑧ Pilot Light	5316	.18	⑪ Resistor (99,000 Ohms)	4411	.12
⑨ Comp. Cond.—1st. I.F. Primary 04000-A		.08	⑫ Condenser 250 Mmf. Yellow	3082	.12
⑩ Oscillator Coil	05728	.39	⑬ Resistor (490,000 Ohms)	4517	.12
⑪ Resistor (6,000 Ohms)	7352	.10	⑭ Resistor (99,000 Ohms)	4411	.12
⑫ Cond. 710 Mmf. White and Yellow	5863	.11	⑮ Condenser (.01 Mfd.)	3903-X	.12
⑬ Filter Cond. Bank (.1, .15, .25, 2-5 Mfd.)	03915	.66	⑯ Resistor (490,000 Ohms)	4517	.12
⑭ Comp. Cond.—High Frequency —Part of Tuning Cond. Assembly			⑰ Resistor (1,000 Ohms)	5837	.12
⑮ Comp. Cond.—Low Frequency 04000-F		.10	⑱ Input Transformer	7233	.50
⑯ Cond. 710 Mmf. White and Yellow	5863	.11	⑲ Condenser (2,000 Mmf.)	7296-B	.08
⑰ Condenser (.05 Mfd.)	3615-AC	.12	⑳ Output Transformer	2646	.96
⑱ Resistor (1,000 Ohms)	5837	.12	㉑ Voice Coil and Cone Assembly	02887	.39
㉑ First I.F. Transformer	05697	.60	㉒ Battery Switch	7283	.75
㉒ Comp. Condenser — 1st. I.F. Secondary	04000-A	.08	Tube Shield	05720	.18
			Knob	03084	.04
			Knob Spring	4147	.01
			Four Prong Socket	5026	.05
			Five Prong Socket	4956	.06
			Six Prong Socket	6417	.06
			Dial Complete	05811	.18
			Bezel	6413	.09

Model 41

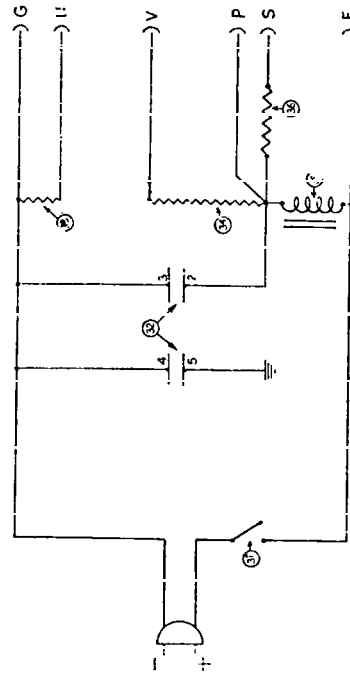


SPEAKER PLUG AND SOCKET TERMINALS
ARE INDICATED —○—

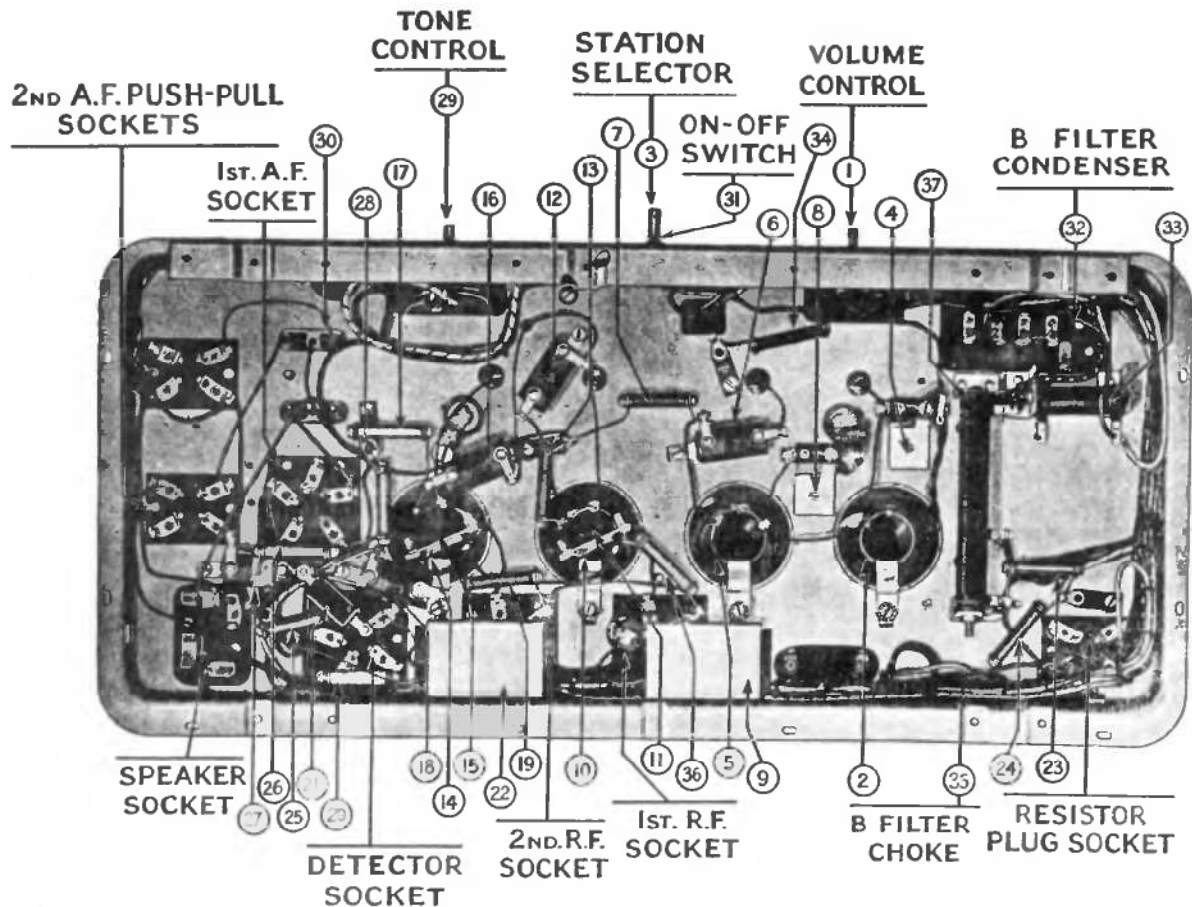
INDICATES CHASSIS



RESISTOR 300 IS MOUNTED AT BOTTOM OF CABINET



Model 41



REPLACEMENT PARTS

		DEALER NET PRICE			DEALER NET PRICE
①	Volume Control	4094 .76	③⑤	Choke	3422 1.50
②	First R. F. Transformer	3884-A .45	③⑥	Resistor	3526 .12
③	Tuning Condenser	4069-E 6.00	③⑦	Resistor	4057 .48
④	Compensating Condenser	3772-A .08	③⑧	Resistor	4058 2.86
⑤	Second R. F. Transformer	3884-B .33	③⑨	Output Transformer	2848 1.20
⑥	By-Pass Condenser	3584-D .15	④①	Voice Coil and Cone	2814-B .90
⑦	Resistor	3525 .12	④②	Field Coil	2799 1.35
⑧	Compensating Condenser	3772-A .08	④③	Pilot Lamp	3463 .09
⑨	By-Pass Condenser	3557-A .36	④④	Resistor Conn. Plug	4071 .12
⑩	Coupling Condenser	3892-A .09	④⑤	Knobs (Large)	3580-A .07
⑪	Third R. F. Transformer	3884-C .48	④⑥	Knobs (Small)	3579-A .04
⑫	By-Pass Condenser	3584-D .15	④⑦	Knobs (Switch)	3676-A .05
⑬	Resistor	3525 .12	④⑧	Spring (Knob)	3305 .02
⑭	Coupling Condenser	3892-A .09	④⑨	Grid Clip	4060 .01
⑮	Fourth R. F. Transformer	3884-C .48	④⑩	Grid Clip Insulator	4061 .02
⑯	By-Pass Condenser	3584-D .15	④⑪	Condenser Shield	4065 .12
⑰	Resistor	3526 .12	④⑫	Tube Shield	3878-A .42
⑱	By-Pass Condenser	3584-D .15	④⑬	Cushion (Condenser Brace)	3914 .02
⑲	Resistor	3656 .12	④⑭	Rubber Washer (Cond. Brace)	3915 .02
⑳	Resistor	3767 .12	④⑮	Rubber Washer (Condenser)	3920 .03
㉑	By-Pass Condenser	3774 .15	④⑯	Speaker Plug and Cable	L-1056-A .90
㉒	By-Pass Condenser	3557-A .36	④⑰	Rubber Washer (Furniture)	3558 .03
㉓	Resistor	3766 .12	④⑱	Pilot Insulator	4054 .02
㉔	Resistor	3542 .12	④㉑	Pilot Guard	4055 .02
㉕	Resistor	3769 .12	④㉒	Condenser Brush	3748 .06
㉖	Resistor	3767 .12	④㉓	R. F. Transformer Shield	3862 .10
㉗	By-Pass Condenser	3897-A .24	④㉔	Bottom Plate	3406 .30
㉘	Resistor	3769 .12	④㉕	Compensating Condenser Nut	3151 .04
㉙	Tone Control	4037-A .39	④㉖	Tuning Scale	3794 .09
㉚	Input Transformer	3872 1.80	④㉗	Condenser Cable	3484 .09
㉛	On-Off Switch	3517 .36	④㉘	Condenser Cable Spring	3012 .03
㉜	Filter Condenser Block	4067 3.30	④㉙	Pilot Lamp	3463 .09
㉝	Resistor	4142 .12	④㉚	4-hole Tube Socket	3423-A .12
㉞	Resistor	3656 .12	④㉛	5-hole Tube Socket	3442-A .15

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NOTE: SWITCH ARMS
SHOWN IN POSITION

NO. 1.

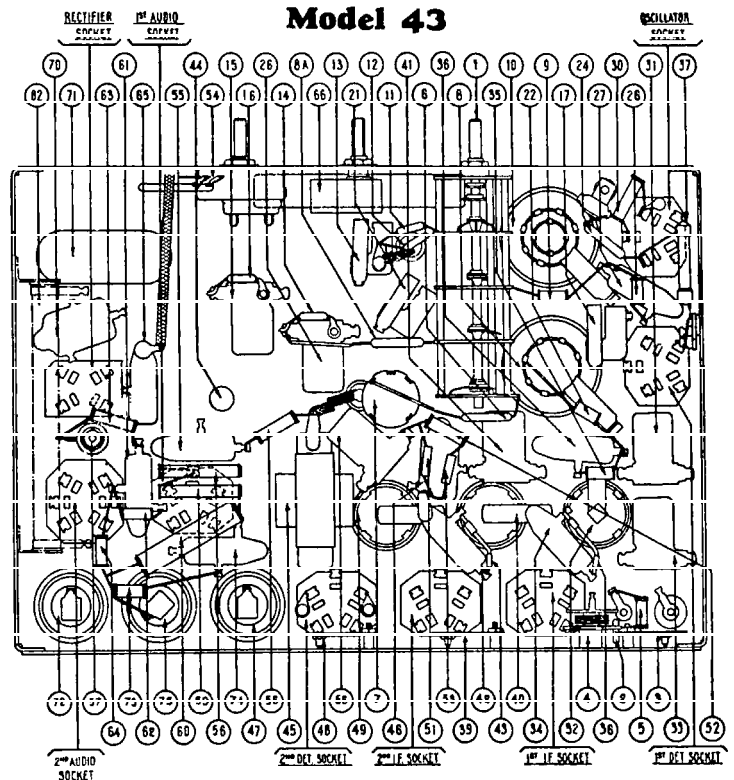
NOTE: FIGURES INDICATE RELATIVE POSITIONS FROM FRONT ID CHASSIS.

Replacement Parts

Model 43

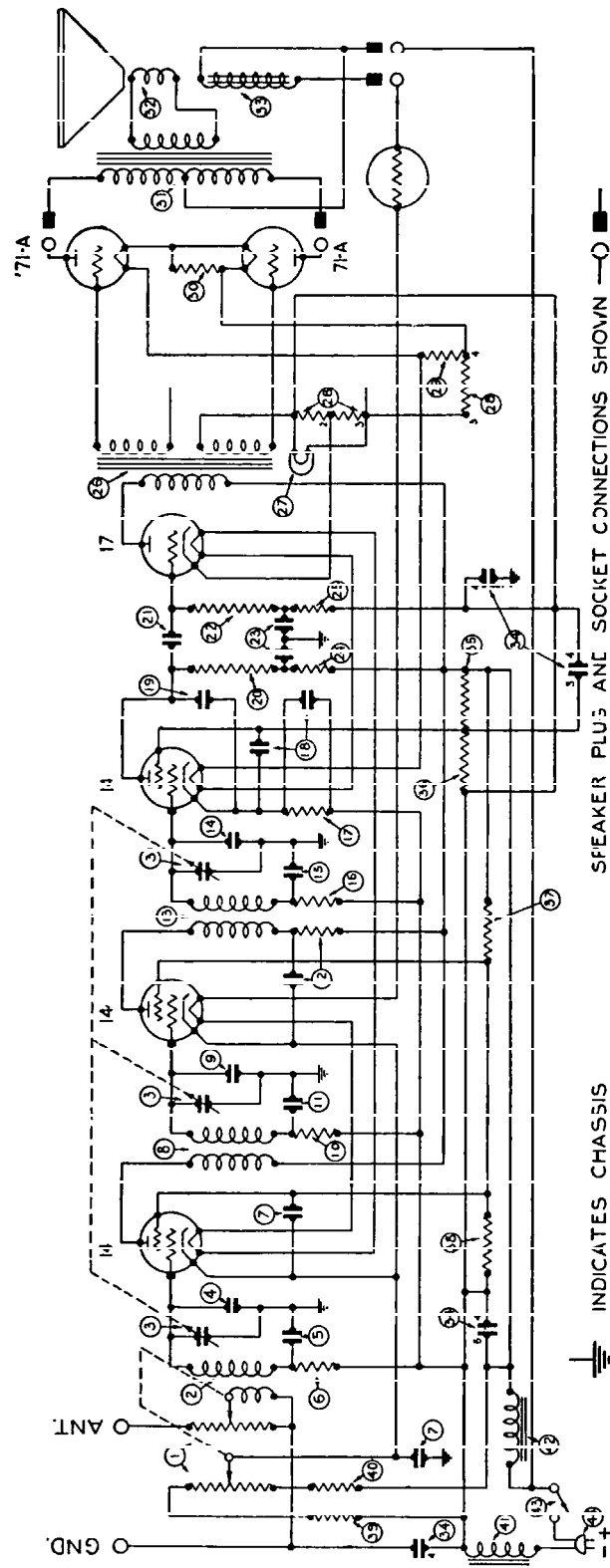
No. on Figs. 2 and 3	Description	Part No.	DEALER NET PRICE
①	Wave Change Switch	05617	2.55
②	Condenser (410 mmf.)	5120	.11
③	Compensating Condenser—450 K. C. Wave Trap	04000B	.11
④	R. F. Choke	05191	.09
⑤	Resistor (2,000 ohms)	6984	.12
⑥	Condenser (1000 mmf.)	5215	.12
⑦	Antenna Coupling Coil	05189	.30
⑧	Antenna Transformer*	06404	.75
⑨	Condenser (3,000 mmf.)	6009	.18
⑩	Resistor (1,000 ohms)	5837	.15
⑪	Oscillator Coil*	05624	1.95
⑫	Condenser (1,650 mmf.)	5877	.18
⑬	Condenser (1,250 mmf.)	5886	.15
⑭	Compensating Condenser—1400 K. C. End of Second Band	04000F	.10
⑮	Condenser (250 mmf.)	3082	.12
⑯	Compensating Condenser—500 K. C. End of First Band	04000F	.10
⑰	Condenser (250 mmf.)	3082	.12
⑱	Compensating Condenser—2 Megacycle End Third Band	04000V	.10
⑲	Tuning Condenser Assembly	05154	2.40
⑳	Grid Coil (Top of Chassis)	05190	.15
㉑	Compensating Condenser (Part of Tuning Cond. Assembly)		
㉒	Compensating Condenser (3.5 Megacycle End of Second Band)	04000V	.10
㉓	Resistor (99,000 ohms)	4411	.12
㉔	Neutralizing Condenser (Top of Chassis)	04000V	.10
㉕	Condenser (1000 mmf.)	5837	.12
㉖	Condenser (50 mmf.) (Top of Chassis)	3774	.15
㉗	Resistor (490,000 ohms)	4517	.12
㉘	Compensating Condenser (1200 K. C. End of First Band)	04000F	.10
㉙	Resistor (25,000 ohms)	4516	.12
㉚	Condenser (.05 mfd.)	3615E	.12
㉛	Resistor (500 ohms)	6977	.12
㉜	Compensating Condenser	04000C	.05
㉝	Compensating Condenser—1st I. F. Primary	04000M	.10
㉞	First I. F. Transformer	05185	.33
㉟	Compensating Condenser—1st I. F. Secondary	04000M	.10
㊱	Condenser (.05 mfd.)	3615W	.10
㊲	Resistor (2,000,000 ohms)	5872	.12
㊳	Condenser (.05 mfd.)	3615J	.11
㊴	Resistor (10,000 ohms)	3524	.12
㊵	Resistor (500 ohms)	6977	.12
㊶	Compensating Condenser—2nd I. F. Primary	04000M	.10
㊷	Second I. F. Transformer	05185	.33
㊸	Compensating Condenser—2nd I. F. Secondary	04000X	.10
㊹	Condenser (.05 mfd.)	3615W	.10
㊺	Resistor (500 ohms)	6977	.12
㊻	Filter Condenser Bank (.25, 2-.5 mfd.)	05239	.60
㊼	Filter Choke	5930	.84
㊽	Condenser (.05 mfd. and Resistor 250 ohms)	3615AS	.15
㊾	Electrolytic Condenser	7556	.75
㊿	Compensating Condenser—3rd I. F. Primary	04000M	.10
1	Third I. F. Transformer	05185	.33
2	Compensating Condenser—3rd I. F. Secondary	04000M	.10
3	Condenser (110 mmf.)	4519	.11
4	Resistor (99,000 ohms)	4411	.12
5	Condenser (110 mmf.)	4519	.11
6	Volume Control and On-Off Switch	6892	.75
7	Condenser (.01 mfd.)	3903F	.09
8	Resistor (1,000,000 ohms)	4409	.12
9	Wire Wound Resistor (185 and 245 ohms)	6452	.10
10	Resistor (5,000 ohms)	3526	.12
11	Resistor (5,000 ohms)	3526	.12
12	Resistor (13,000 ohms)	6450	.21
13	Condenser (.01 mfd.)	3903N	.10
14	Resistor (10,000 ohms)	5355	.12
15	Resistor (490,000 ohms)	4517	.12
16	Resistor (25,000 ohms)	4516	.12
17	Condenser (.01 mfd.)	3903AA	.05
18	Tone Control	05174	.10

*supplied in matched pair—Antenna and oscillator coils.

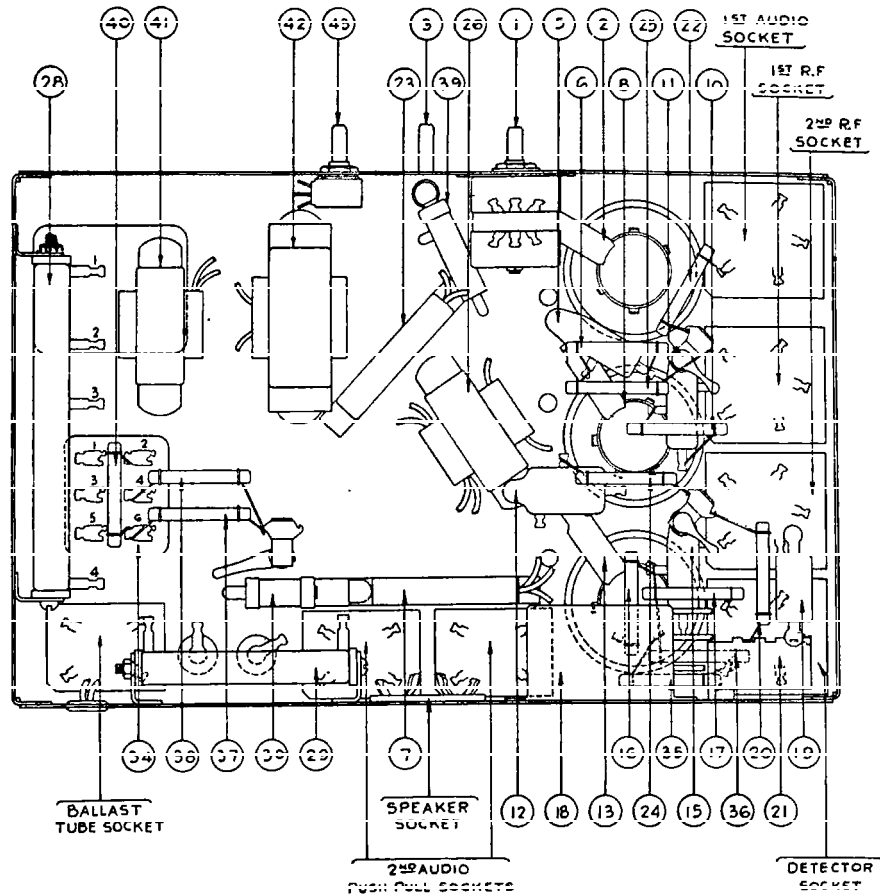


①	Output Transformer	2580	.75
②	Voice Coil and Cone Assembly	02823	.27
③	Speaker Field and Bucking Coil Assembled with Pot (K-7)	02761	1.35
④	Condenser (.015 mfd. Double)	3735K	.12
⑤	Power Transformer—50-60 Cycles, 115 Volts, Single Speaker Models	7074	2.10
⑥	25-40 Cycles, 115 Volts, Single Speaker Models	7075	4.05
⑦	50-60 Cycles, 230 Volts, " " "	7076	2.40
⑧	50-60 Cycles, 115 Volts, Twin Speaker Models	6985	2.70
⑨	50-60 Cycles, 230 Volts, " " "	6986	2.15
⑩	Electrolytic Condenser (6 mfd.) 50-60 Cycles	4916	1.05
⑪	Electrolytic Condenser (8 mfd.) 25-40 Cycles	6707	.90
⑫	Resistor (10,000 ohms)	4412	.12
⑬	Condenser (.05 mfd.)	3615AD	.12
⑭	Electrolytic Condenser (6 mfd.) 50-60 Cycles	4916	1.05
⑮	Electrolytic Condenser (8 mfd.) 25-40 Cycles	6706	.90
⑯	Output Transformer—Twin Speaker	2564	.81
⑰	Voice Coil and Cone Assembly	02823	.27
⑱	Voice Coil and Cone Assembly	02823	.27
⑲	Speaker Field and Bucking Coil Assembled with Pot (K-9)	02762	1.65
㉑	Speaker Field and Bucking Coil Assembled with Pot (K-10)	02767	1.35
㉒	Condenser (.5 mfd.)	05150	.30
㉓	Wire Wound Resistor (5,620 ohms) Twin Speaker	6451	.18
㉔	Tube Shield	5357	.03
㉕	Knob (Large)	03063	.05
㉖	Knob (Medium)	03064	.04
㉗	Knob (Small)	03065	.02
㉘	Knob Spring (Large)	5262	per C .21
㉙	Knob Spring (Small)	4147	.01
㉚	Grid Clip	4207	per C .12
㉛	Four Prong Socket Assembly	5026	.06
㉜	Five Prong Socket Assembly	4956	.06
㉝	Six Prong Socket Assembly	6417	.05
㉞	Dial Complete	05418	.33
㉟	Bezel	6826	.12
㊱	Tuning Condenser Drive Card	04834	.08
㊲	Spring	6508	per C .96
㊳	Chassis Mounting Screw	W-468	per C 2.10
㊴	Mounting Washer	W-315	per C .24
㊵	Rubber Washer	5189	per C 1.80

Model 46



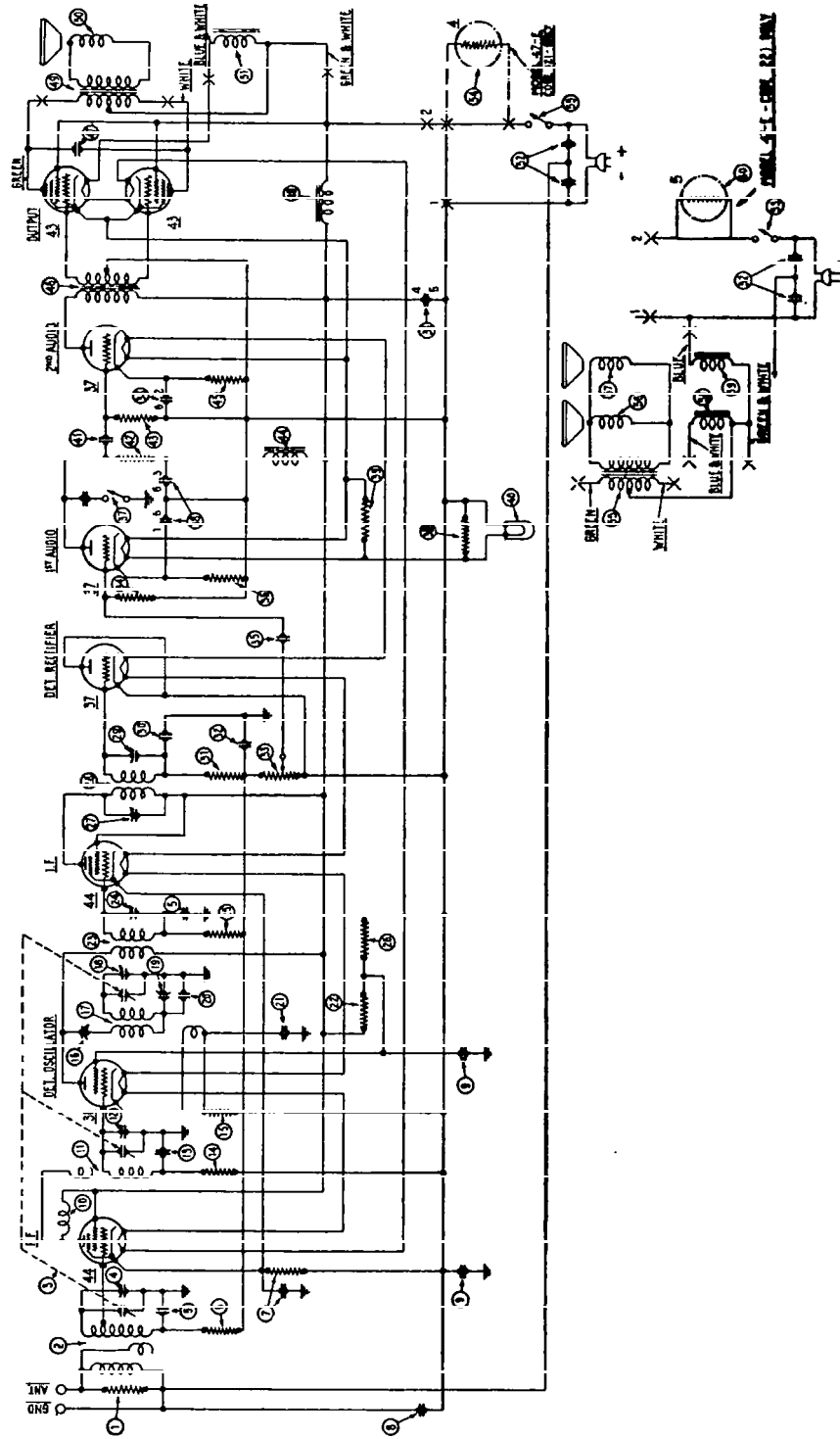
Model 46



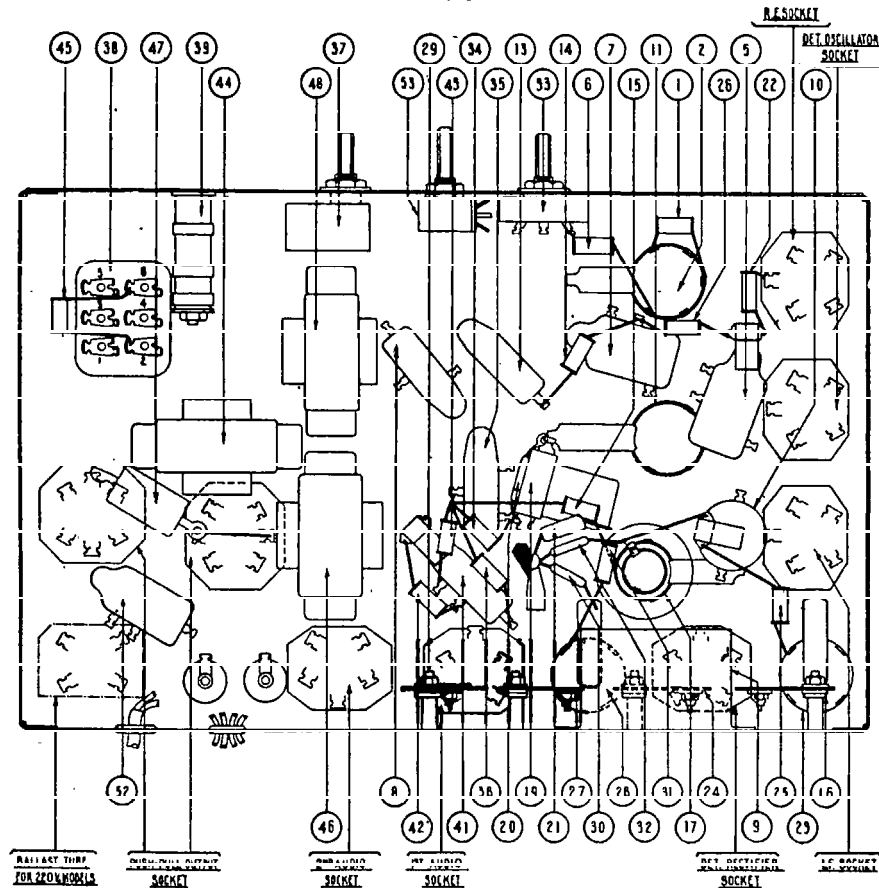
REPLACEMENT PARTS—MODEL 46

		NET	PRICE			PRICE	
①	Volume Control	4141	.90	②⑧	Field Coil	2094	.60
②	First R. F. Transformer	3884-X	.39	②⑨	Filter Condenser	4860	2.55
③	Tuning Condenser	4200-D	2.00	③①	Resistor 70,000 Ohms	3542	.12
④	Compensating Condenser (Part of Tuning Condenser Assembly)			③②	Resistor 32,000 Ohms	3525	.12
⑤	By-Pass Condenser .05	3615-J	.11	③③	Resistor 13,000 Ohms	3766	.12
⑥	Resistor 32,000 Ohms	3525	.12	③④	Resistor 70,000 Ohms	3542	.12
⑦	By-Pass Condenser .25	4864	.27	③⑤	Resistor 250 Ohms	4142	.12
⑧	Second R. F. Transformer	3884-Y	.33	③⑥	Resistor 13,000 Ohms	3766	.12
⑨	Compensating Condenser (Part of Tuning Condenser Assembly)			③⑦	Line Choke (Neg.)	4886	.90
⑩	Resistor 32,000 Ohms	3525	.12	③⑧	Line Choke (Pos.)	4231	.90
⑪	By-Pass Condenser .05	3615-M	.11	③⑨	Set Switch	4095	.30
⑫	Condenser and Resistor .05 and 250 Ohms	3615-K	.18		Line Plug	L-543	.05
⑬	Third R. F. Transformer	3884-Y	.33		Line Cord and Plug	L-943	per ft. .02 1/2
⑭	Compensating Condenser (Part of Tuning Condenser Assembly)				Tube Shield	4992-A	.74
⑮	By-Pass Condenser .05	3615-M	.11		Knob (Dial)	4289-A	.05
⑯	Resistor 5,000 Ohms	3526	.12		Spring (Dial Knob)	3305	.02
⑰	Resistor 32,000 Ohms	3525	.12		Knobs (Switch and Volume Control)	4290-A	.03
⑱	By-Pass Condenser (2-section, .25 each)	4864	.27		Spring (Switch and Volume Control Knob)	4147	.01
⑲	By-Pass Condenser .0005	3910	.12		Grid Clip	4060	.01
㉑	Resistor 490,000 Ohms	3760	.12		Grid Clip Insulator	4061	.02
㉒	Blocking Condenser .01	3903-H	.09		Speaker Plug and Cable	L-1124-A	.24
㉓	Resistor 490,000 Ohms	3769	.12		R. F. Transformer Shield	3862	.10
㉔	By-Pass Condenser (2-section, .25 each)	4864	.27		Grommet for R. F. Transformer Shield	3747	.02
㉕	Resistor 99,000 Ohms	3767	.12		Pilot Lamp Bracket	4871	.03
㉖	Resistor 240,000 Ohms	3768	.12		Four Prong Socket Assembly	3977-A	.05
㉗	Push-Pull Input Transformer	4862	1.50		Five Prong Socket Assembly	3979-A	.05
㉘	Pilot Bulb	3463	.09		Speaker Socket	3977-B	.05
㉙	Resistor (3-section)	4858-A	.45		Volume Control Insulators	4092	.01
㉚	Resistor 200 Ohms	4859-A	.36		Volume Control Insulators	4222	.01
㉛	Resistor 210 Ohms	4861	.12		Cabinet		
㉜	Push-Pull Output Transformer	2766	1.20		Fahnestock Clip	L-1126	.01
㉝	Voice Coil and Cone	2769-B	.45		Finishing Rosettes	4267	.02
					Speaker Mounting Screws (3 used)	W-493	per C. .24
					Speaker Mounting Screws (1 used)	W-492	per C. .04
					Tuning Condenser Dial Scale	4261	.12
					Mica for Compensating Con- densers	4318	.02

MODEL. 4'7 SERIES



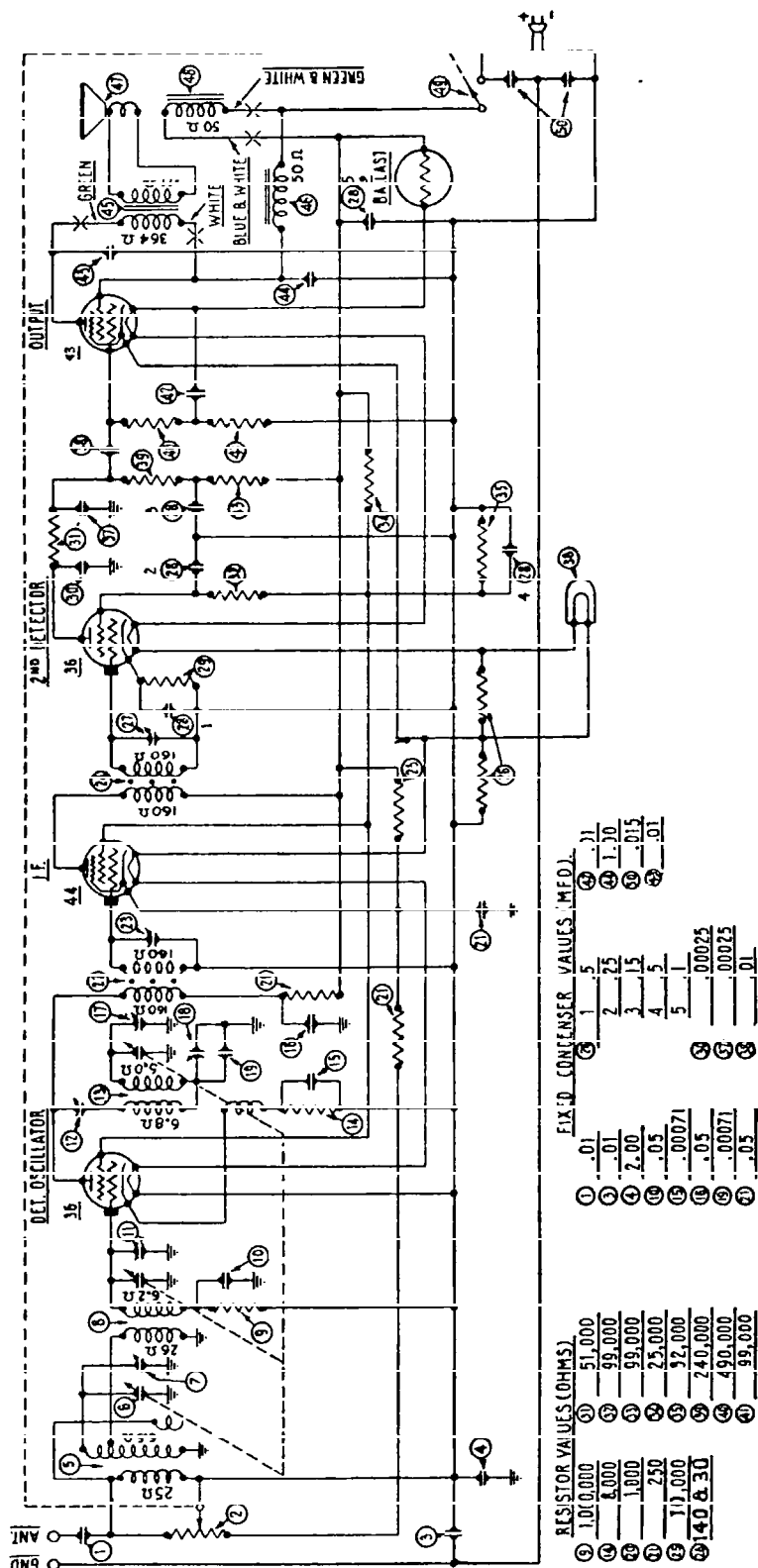
MODEL 47 SERIES



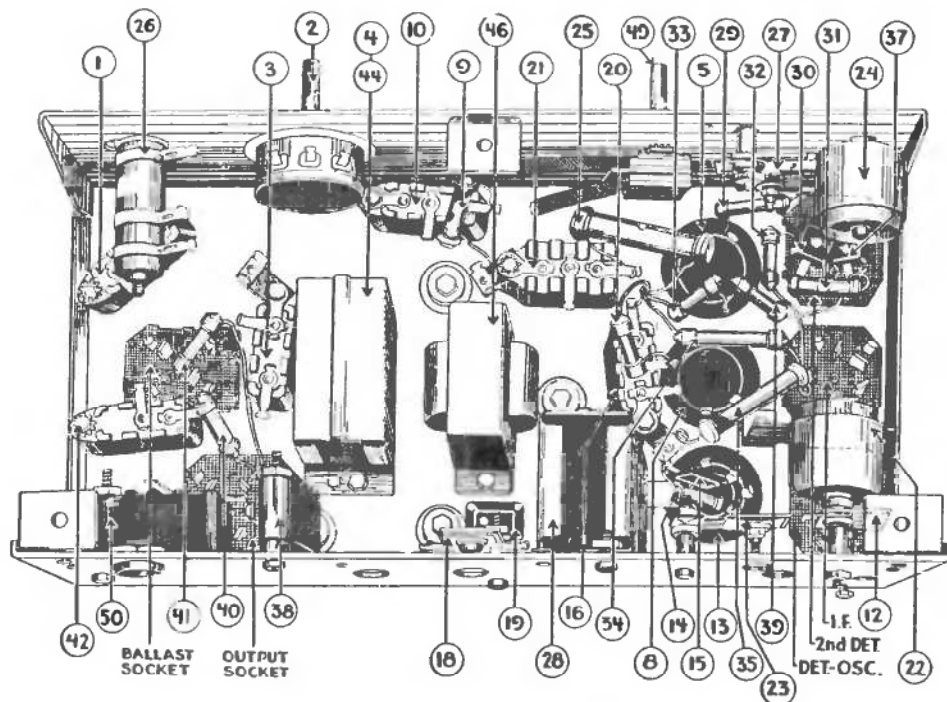
REPLACEMENT PARTS MODEL 47

		QTY	PRICE			QTY	PRICE
① Resistor (10,000 ohms)	4412	.12		⑤ Resistor (10,000 ohms)	4412	.12	
② R. F. Transformer	04339	.45		⑥ Tone Control	04757	.21	
③ Tuning Condenser Assembly	05098	2.55		⑦ Filter Condenser Bank	05003	2.10	
④ Compensating Condenser—R. F. —Part of Tuning Condenser Assembly				⑧ Resistor—Wire wound (70 ohms and 16 ohms)	6716	.11	
⑤ Condenser (.05 Mfd. Double)	3615-AF	.15		⑨ Pilot Light	0608	.09	
⑥ Resistor (1,000,000 ohms)	4400	.12		⑩ Condenser (.01 Mfd.)	3093-T	.12	
⑦ Condenser (.18 Mfd. & 200 ohm resistor)	4989-S	.10		⑪ Resistor (25,000 ohms)	4516	.12	
⑧ Condenser (.05 Mfd.)	3615-II	.12		⑫ Resistor (1,000,000)	4409	.12	
⑨ Condenser (.25 Mfd. Double)	05109	.24		⑬ Filter Choke (High Resistance)	5314	1.06	
⑩ R. F. Choke	03103	.02		⑭ Resistor (5,000 ohms)	5310	.12	
⑪ Detector Transformer	05093	.21		⑮ Input Transformer	0604	1.36	
⑫ Compensating Condenser—Detector—Part of Tuning Condenser Assembly				⑯ Condenser (.002 Mfd.) Blue	4059	.18	
⑬ Condenser (.05 Mfd.)	3615-L	.10		⑰ Filter Choke	6712	.75	
⑭ Resistor (1,000,000 ohms)	4409	.12		⑱ Output Transformer—Single Speaker (K-13)	2550	.84	
⑮ Resistor (8,000 ohms)	5838	.12		⑲ Voice Coil and Cone Assembly	02023	.21	
⑯ Compensating Condenser—1st I. F. Primary	04000-M	.10		⑳ Speaker Field Assembled with Pot (K-13)	02745	2.25	
⑰ Oscillator Coil	64186	.60		㉑ Condenser (.015 Mfd. Double)	3793-M	.15	
⑱ Compensating Condenser—High Frequency—Part of Tuning Condenser Assembly				㉒ Surge Switch	02023	.24	
㉑ Compensating Condenser—Low Frequency	04000-F	.10		㉓ Ballast Lamp No. 4—Single Speaker	6739		
㉒ Condenser (410 Mmf.) Yellow and Orange	5120	.11		㉔ Output Transformer—Twin Speaker (K-14, K-15)	2544	.50	
㉓ Condenser (700 Mmf.) White and Yellow	5863	.11		㉕ Voice Coil and Cone Assembly	02823	.27	
㉔ Resistor (25,000 ohms)	4516	.12		㉖ Voice Coil and Cone Assembly	02823	.27	
㉕ First I. F. Transformer	05094	.30		㉗ Speaker Field Assembled with Pot (K-14)	02745	2.25	
㉖ Compensating Condenser—1st I. F. Secondary	04000-A	.08		㉘ Speaker Field Assembled with Pot (K-15)	02744	1.35	
㉗ Resistor (1,000,000 ohms)	4409	.12		㉙ Ballast Lamp No. 5—Twin Speaker	6740		
㉘ Resistor (10,000 ohms)	5385	.12		Tube Shield	05058	.24	
㉙ Compensating Condenser—2nd I. F. Primary	04000-A	.08		Knob (large)	03083	.06	
㉚ Second I. F. Transformer	05095	.30		Knob (medium)	03094	.04	
㉛ Compensating Condenser—2nd I. F. Secondary	04000-A	.08		Knob (small)	03094	.02	
㉜ Condenser (110 Mmf.) Blue and Golden Yellow	4519	.11		Knob Spring (large)	5262	per C .21	
㉝ Resistor (20,000 ohms)	4411	.12		Knob Spring (small)	4147	.01	
㉞ Condenser (110 Mmf.) Blue and Golden Yellow	4519	.11		Grid Clip	4897	per C .18	
㉟ Volume Control	6499	.48		Four Prong Socket Assembly	05720	.06	
㊱ Resistor (1,000,000 ohms)	4400	.12		Five Prong Socket Assembly	4950	.06	
㊲ Condenser (.01 Mfd.)	3903-G	.10		Six Prong Socket Assembly	6117	.06	
				Dial Complete	04832	.24	
				Panel	6125	.06	
				Chassis Mounting Screw	W-468	per C 2.10	
				Mounting Washer	W-315	per C .24	
				Rubber Washer	5189	per C 1.80	
				Mounting Clamp	6440	.01	
				Cone Retaining Ring	2000	per C .27	

Model 48



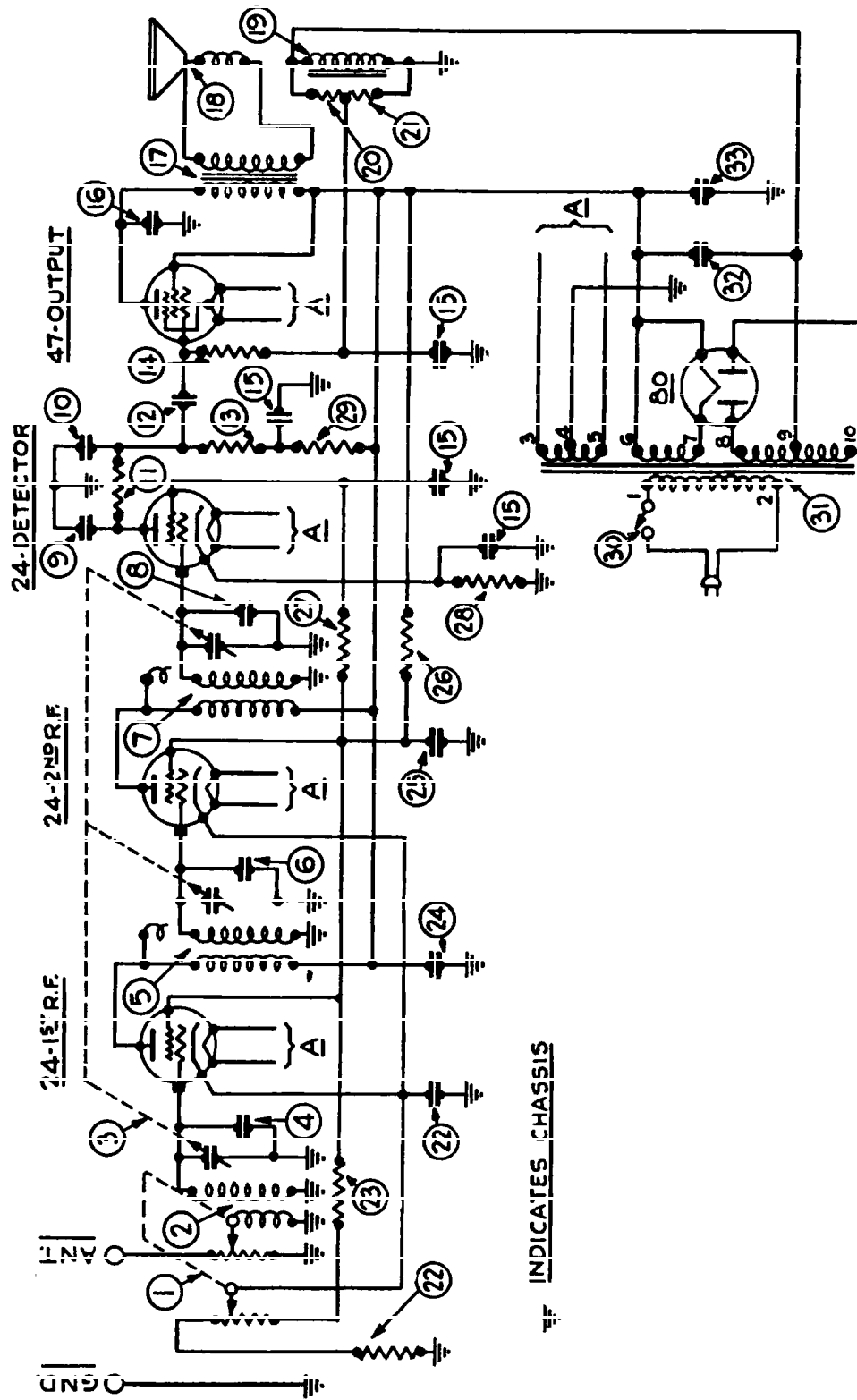
Model 48



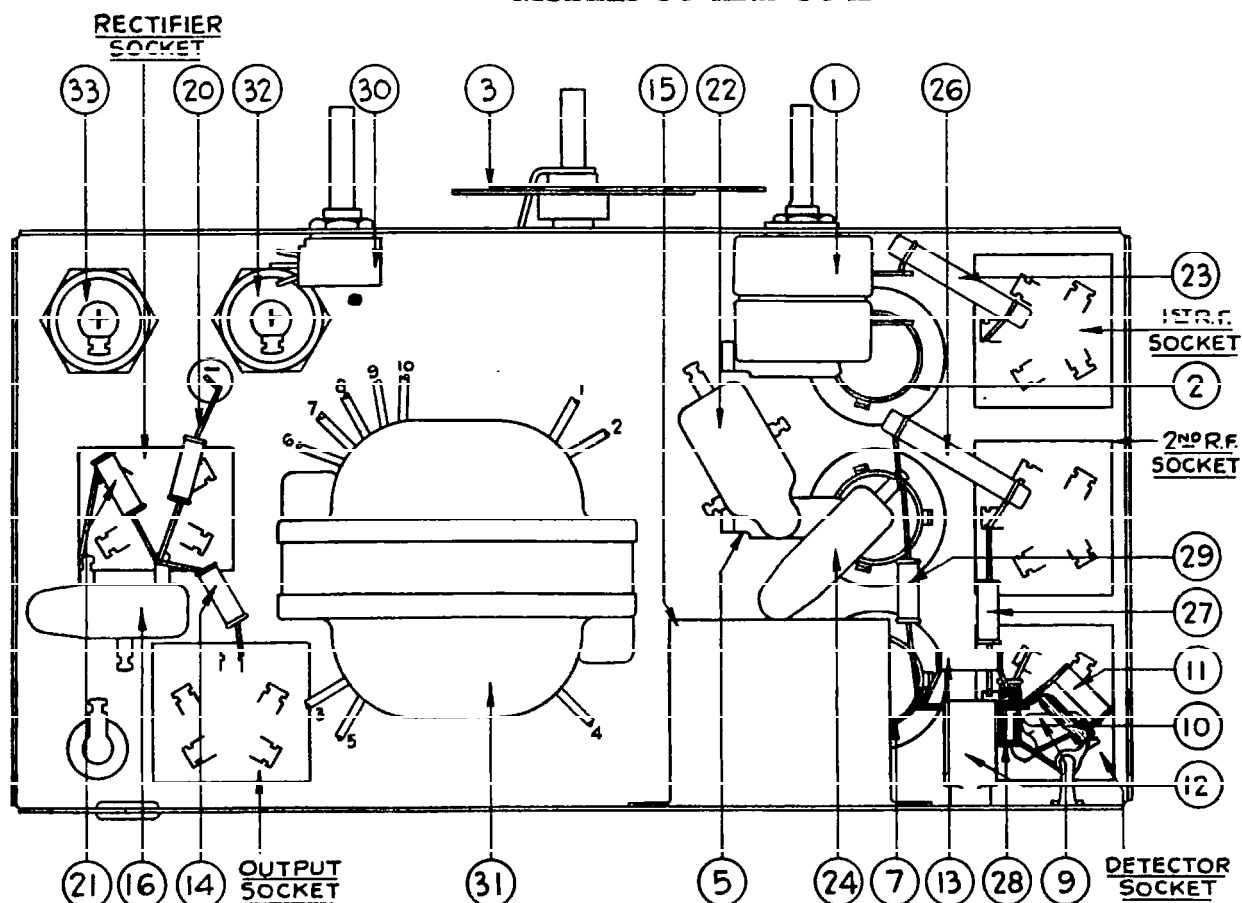
Replacement Parts for Model 48

			DEALER NET PRICE	DEALER NET PRICE
①	Condenser (.01 Mfd.)	3903-T	.10	
②	Volume Control (5,000 Ohms)	5839	.45	
③	Condenser (.01 Mfd.)	3903-AK	.12	
④	Condenser (2 Mfd.)	05518		
⑤	Antenna Transformer	05848	.33	
⑥	Tuning Condenser Assembly	05885	2.40	
⑦	Compensating Cond.—Antenna—Part of Tuning Condenser Assembly			
⑧	Detector Transformer	05849	.27	
⑨	Resistor (1,000,000 Ohms)	4409	.12	
⑩	Condenser (.05 Mfd.)	3615-J	.11	
⑪	Compensating Cond.—Detector, Part of Tuning Condenser Assembly			
⑫	Comp. Cond. First I.F. Primary	04000-A	.08	
⑬	Oscillator Coil			
⑭	Resistor (6,000 Ohms)			
⑮	Condenser (710 Mmf.)	5863	.11	
⑯	Condenser (.05 Mfd.)	3615-AC	.12	
⑰	Compensating Cond.—High Frequency —Part of Tuning Condenser Assembly			
⑱	Comp. Condenser Low Frequency	04000-F	.10	
⑳	Condenser (710 Mmf.)	5863	.11	
㉑	Resistor (1000 Ohms)	5837	.12	
㉒	Condenser (.05 Mfd. and Resistor 250 Ohms)	3615-C	.18	
㉓	First I.F. Transformer	04887		
㉔	Comp. Cond. First I.F. Secondary	04000-A	.08	
㉕	Second I.F. Transformer	03887	.75	
㉖	Resistor (10,000 Ohms)	4237	.12	
㉗	Resistor—Wire Wound —(140 Ohms and 30 Ohms)	06200	.12	
㉘	Compensating Condenser, Second I.F. Secondary	04000-A	.08	
㉙	Filter Condenser Bank (.1, .15, .25, 2-5 Mfd.)	05569	.60	
㉚	Resistor (51,000 Ohms)	4518	.12	
㉛	Condenser (250 Mmf.)	3082	.12	
㉜	Resistor (51,000 Ohms)	4518	.12	
㉝	Resistor (99,000 Ohms)	4411	.12	
㉞	Resistor (99,000 Ohms)	4411	.12	
㉟	Resistor (25,000 Ohms)	3656	.12	
㊱	Resistor (32,000 Ohms)	3525	.12	
㊲	Pilot Light	6608	.09	
㊳	Condenser (250 Mmf.)	3082	.12	
㊴	Condenser (.01 Mfd.)	3903-F	.09	
㊵	Resistor (240,000 Ohms)	4410	.12	
㊶	Resistor (490,000 Ohms)	4517	.12	
㊷	Resistor (99,000 Ohms)	4411	.12	
㊸	Condenser (.01 Mfd.)	3903-F	.09	
㊹	Condenser .01 Mmf. (assembled with ㉛)	3903AK	.12	
㊺	Condenser (1 Mfd.)	05518		
㊻	Output Transformer	2660	.75	
㊼	Choke	4951	.90	
㊽	Voice Coil and Cone Assembly	02861	.36	
㊾	Speaker Field Assembly with Pot	02671	1.20	
㊿	On-Off Switch Assembly with Volume Control	5839	.45	
1	Condenser (.015 Mfd. Twin)	3793-P	.12	
2	Tube Shield	03169	.12	
3	Knob	03064	.04	
4	Knob Spring	5262	per C .21	
5	Grid Clip	4897	per C .18	
6	Four Prong Socket	5026	.05	
7	Five Prong Socket	4956	.06	
8	Six Prong Socket	6417	.06	
9	Pilot Light Bracket Complete	05603	.05	
10	Dial Complete	05811	.18	
11	Bezel	6413	.09	

MODELS 50 AND 50-A



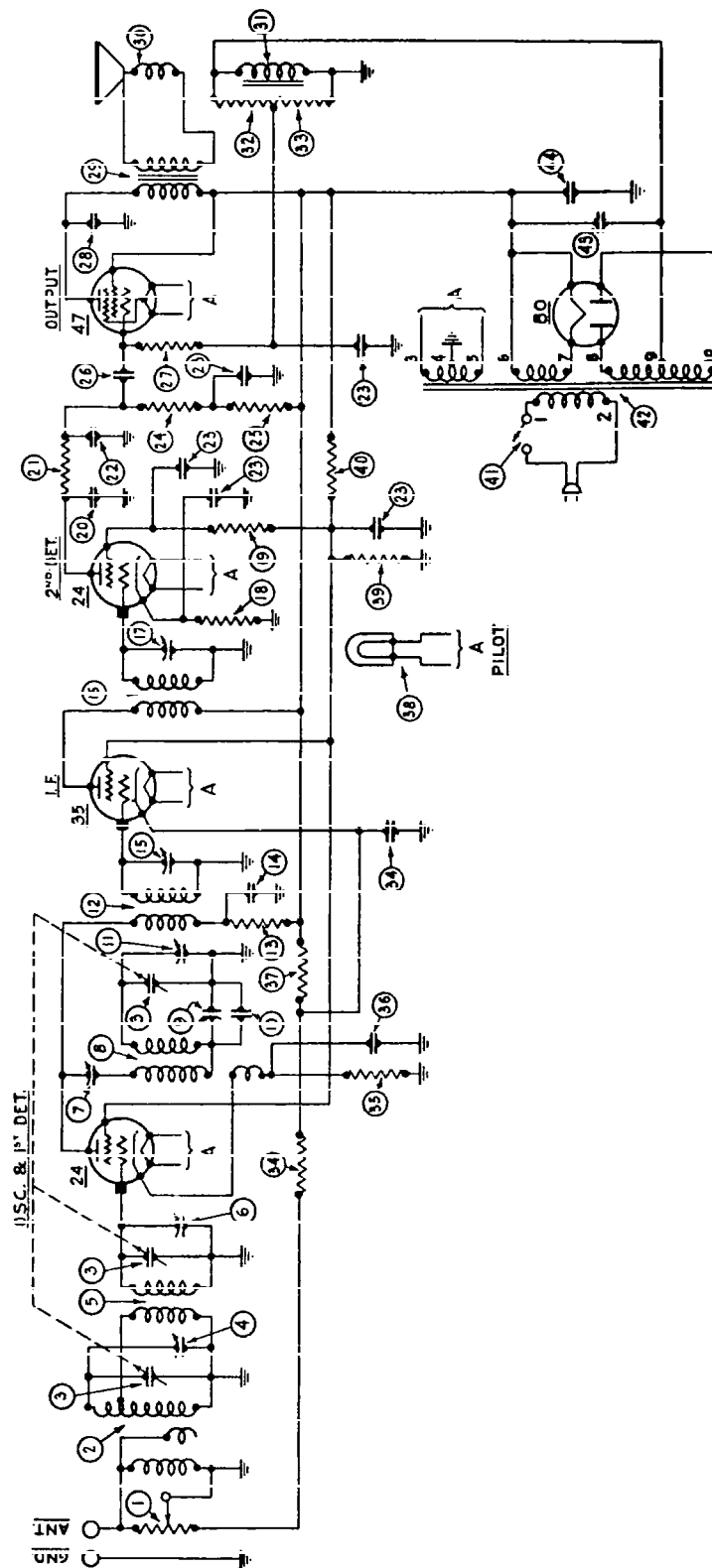
MODELS 50 AND 50-A



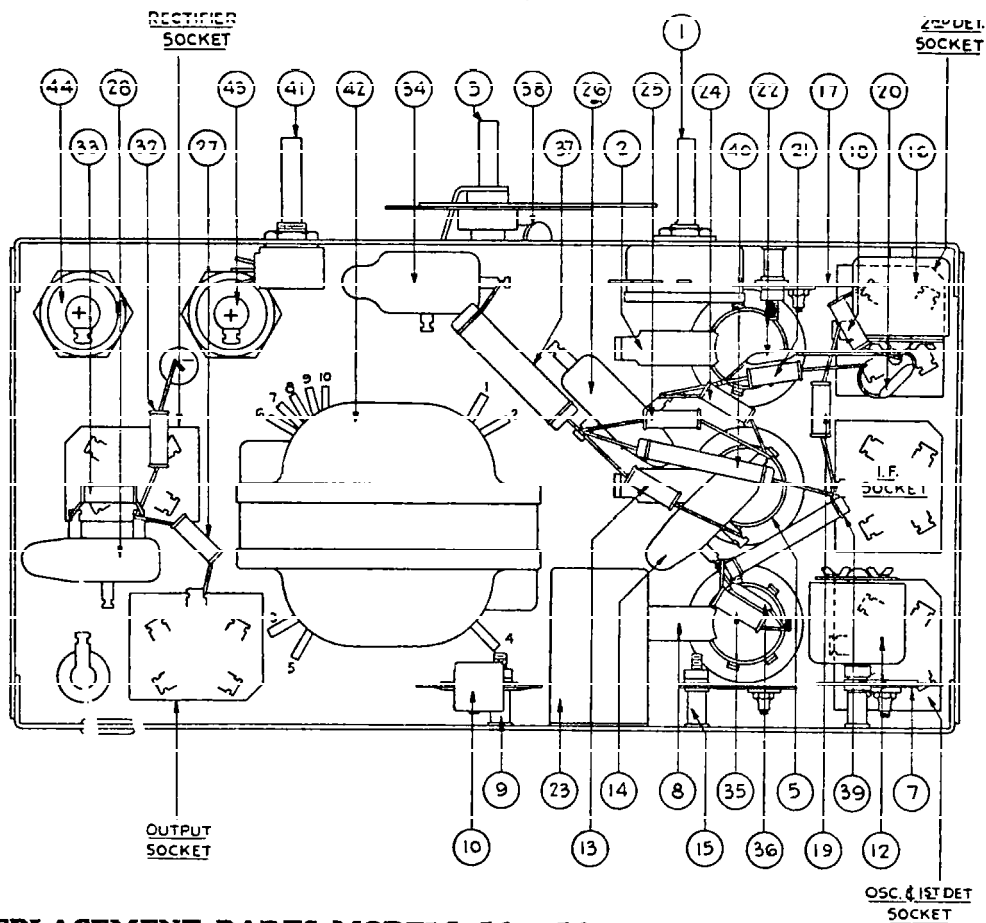
REPLACEMENT PARTS MODELS 50 AND 50-A

		NET PRICE			DEALER NET PRICE
①	Volume Control	5232	②⑤	Resistor—15,000 Ohms	5278 .12
②	First R. F. Transformer	03283 .45	②⑥	Bypass Condenser—.05 Mfd.	3615-L .10
③	Gang Condenser	03293 2.70	②⑦	Bypass Condenser—.05 Mfd.	
④	Compensating Condenser (Part of Gang Condenser Assembly)			(combined with ②⑥)	
⑤	Second R. F. Transformer	03284 .45	②⑧	Resistor—25,000 Ohms	3656 .12
⑥	Compensating Condenser (Part of Gang Condenser Assembly)		②⑨	Resistor—99,000 Ohms	4411 .12
⑦	Third R. F. Transformer	03284 .45	③①	Resistor—32,000 Ohms	5279 .12
⑧	Compensating Condenser (Part of Gang Condenser Assembly)		③②	Resistor—99,000 Ohms	4411 .12
⑨	Condenser—250 Mmf.	3082 .12	③③	On-Off Switch	5382 .24
⑩	Condenser—250 Mmf.	3082 .12	③④	Power Transformer—50-60 cycles	5266 2.55
⑪	Resistor—10,000 Ohms	4412 .12		Power Transformer 25-40 cycles	5267 4.00
⑫	Condenser—.01 Mfd.	3903-L .10		Power Transformer—50-60 cycles	
⑬	Resistor—240,000 Ohms	4410 .12		210-240 volts	5268 3.00
⑭	Resistor—490,000 Ohms	4517 .12	③⑤	Electrolytic Condenser—6 Mfd.—	
⑮	Bypass Condenser (.15 Mfd., .25 Mfd., 2-5 Mfd., .1 Mfd.) 50-60 cycles	03459 .75		50-60 cycles	4916 1.05
⑯	Bypass Condenser—.01 Mfd.	03455 .75		Electrolytic Condenser—10 Mfd.	
⑰	Output Transformer	2660 .75		25-40 cycles	5142 1.20
⑱	Voice Coil and Cone Assembly	02970 .36	③⑥	Electrolytic Condenser—6 Mfd.—	
⑲	Speaker Field (Assembled with Pot and Frame)	02942 1.05		25-40 cycles and 50-60 cycles	4916 1.05
⑳	Resistor—490,000 Ohms.	4517 .12		Tube Shield	03390 .15
㉑	Resistor—160,000 Ohms	5331 .12		Knob (Large)	03064 .04
㉒	Resistor—150 Ohms and Con- denser—.05 Mfd.	3615-X .18		Knob (Small)	03427 .02
				Spring (For Dial Knobs) Small	4147 .01
				Spring (For Dial Knobs) Large	5262 .21
				Grid Clip	4897 per C .18
				Five Prong Socket Assembly	4956 .06
				Four Prong Socket Assembly	5026 .05
				Dial Complete	03322 .24
				Bezel	5383 .03

PHILCO MODELS 51 , 51-A AND 51-2



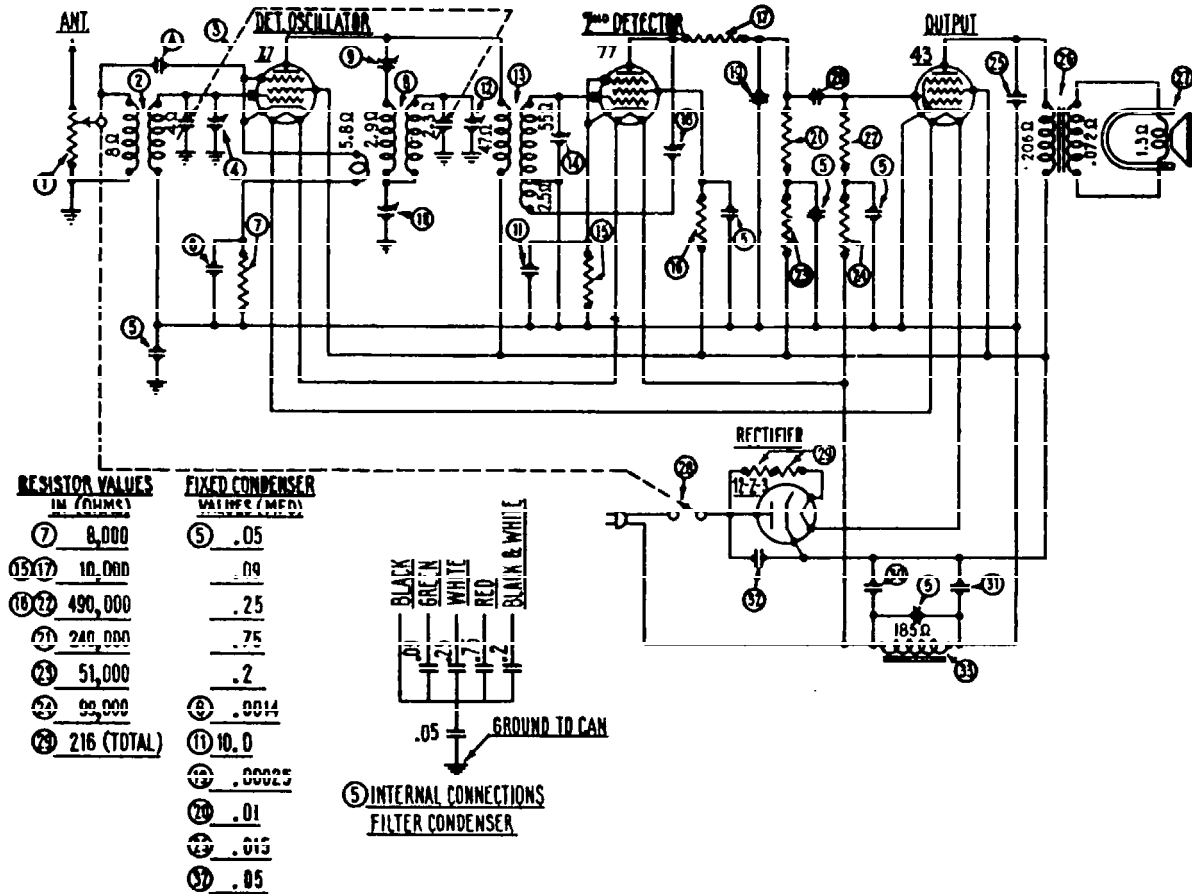
PHILCO MODELS 51, 51-A AND 52



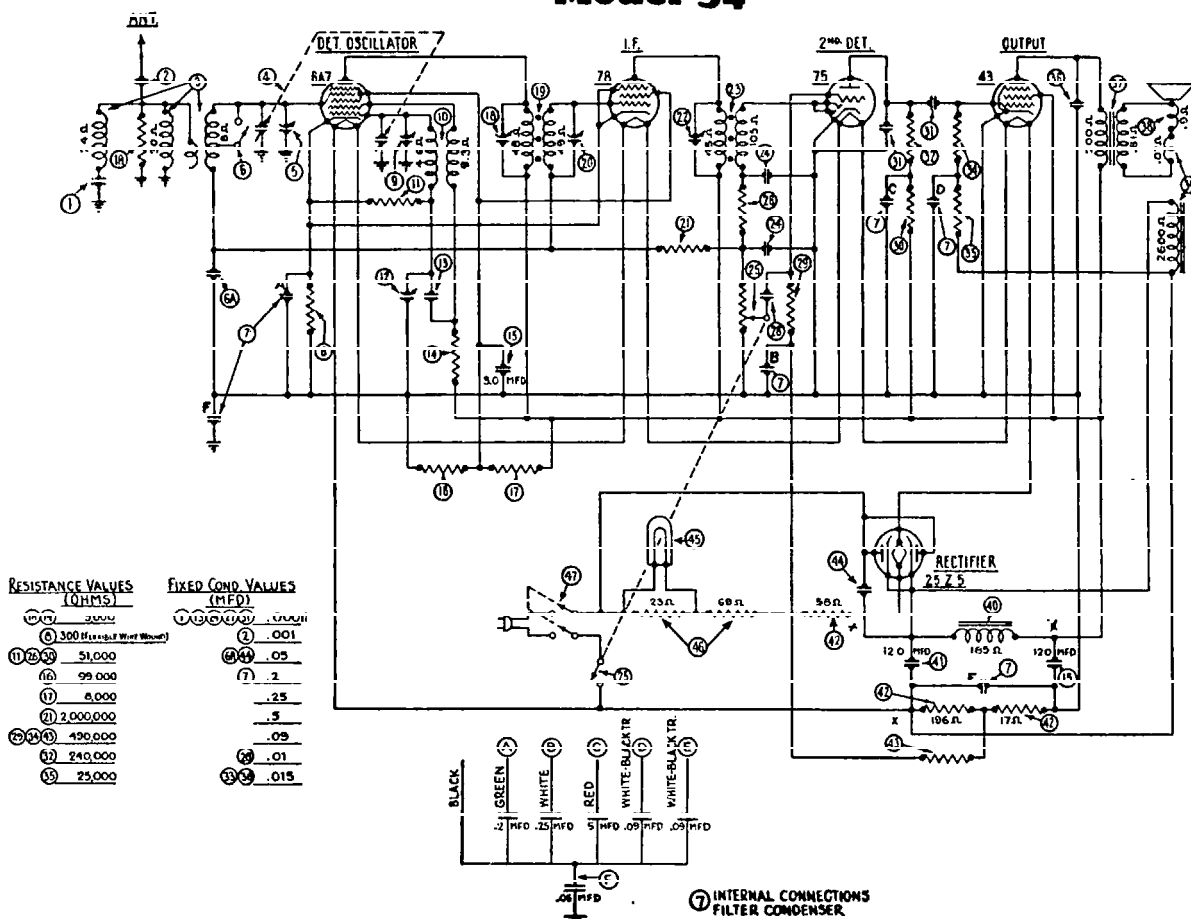
REPLACEMENT PARTS MODELS 51, 51-A and 52

No. on Figs. 1 and 2	Description	Part No.	NET PRICE	No. on Figs. 1 and 2	Description	Part No.	NET PRICE
①	Volume Control	5839	.45	⑩	Field Coil and Pot Assembly	02942	1.05
②	Antenna Coil	03880	.45	⑪	Resistor (490,000 ohms)	4517	.12
③	Gang Condenser	03809	2.70	⑫	Resistor (160,000 ohms)	5331	.12
④	Compensating Condenser (Part of gang condenser assembly)			⑬	Resistor (250 ohms and .05 mfd.)	3615-C	.10
⑤	First R.F. Transformer	03881	.45	⑭	Resistor (8,000 ohms)	5838	.12
⑥	Compensating Condenser (part of gang condenser assembly)			⑮	Condenser (710 mmf.)	5863	.11
⑦	Compensating Condenser	04000-A	.08	⑯	Resistor (51,000 ohms)	5868	.21
⑧	Oscillator Coil	03882	.51	⑰	Pilot Light	3463	.09
⑨	Compensating Condenser	04000-F	.10	⑱	Resistor (25,000 ohms)	3656	.12
⑩	Condenser (710 mmf.)	5863	.11	⑲	Resistor (32,000 ohms)	3525	.12
⑪	Compensating Condenser (part of gang condenser assembly)			⑳	On-off Switch	5382	.24
⑫	First I. F. Transformer	03887	.75	㉑	Power Transformer, 50-60 cycles Power Transformer, 25-40 cycles Power Transformer, 50-60 cycles, 230 volts	5266 5267 5268	2.55 4.05 3.00
⑬	Resistor (1,000 ohms)	5837	.12	㉒	Electrolytic Condenser (6 mfd.) 50-60 cycles	4016	1.05
⑭	By-pass Condenser (.05 mfd.)	3615-AC	.12	㉓	Electrolytic Condenser (10 mfd.) 25-40 cycles	5142	1.20
⑮	Compensating Condenser	04000-D	.50	㉔	Electrolytic Condenser (6 mfd.) By-pass Condenser (across power line) .01 mfd. double, Colonial Clock only	4916 3903-S	1.05 .12
⑯	Second I.F. Transformer	03886	.60	㉕	Clock Unit (60 cycles) Model 551 Clock Glass	5950 5942	3.15 .18
⑰	Compensating Condenser	04000-D	.06	㉖	Tube Shield	04011	.15
⑱	Resistor (33,000 ohms)	5279	.12	㉗	Knob (Large)	02064	.24
⑲	Resistor (99,000 ohms)	4411	.12	㉘	Knob (Small)	03437	.02
⑳	Condenser (250 mmf.)	5858	.10	㉙	Grid Clip	4897	per C
㉑	Resistor (10,000 ohms)	4412	.12	㉚	Five Prong Socket Assembly	4956	.06
㉒	Condenser (250 mmf.)	5858	.10	㉛	Four Prong Socket Assembly	5026	.05
㉓	Condenser (.1, .15, .25, 2-5) 50-60 cycles	03915	.66	㉜	Pilot Light Bracket Complete	03814	.05
㉔	Condenser (.2, .15, .20, 2-5) 25-40 cycles	03945	.66	㉝	Dial Complete	04031	.21
㉕	Resistor (490,000 ohms)	4517	.12	㉞	Bezel	3879	.12
㉖	Resistor (33,000 ohms)	4411	.12	㉟	Spring (Large)	5262	per C
㉗	Condenser (.01 mfd.)	3903-N	.10	㊱	Spring (Small)	4147	.01
㉘	Resistor (490,000 ohms)	4517	.12	㊲	Scrill (Model 551)	44607	.50
㉙	Condenser (.01 mfd.)	3903-K	.10	㊳	Turnings (3 used) Model 551	44607	.11
㉚	Output Transformer	2660	.75				
㉛	Voice Coil and Cone Assembly TYPE "S" (Large)	02067	.30				
㉜	TYPE "P" (Small)	02861	.36				

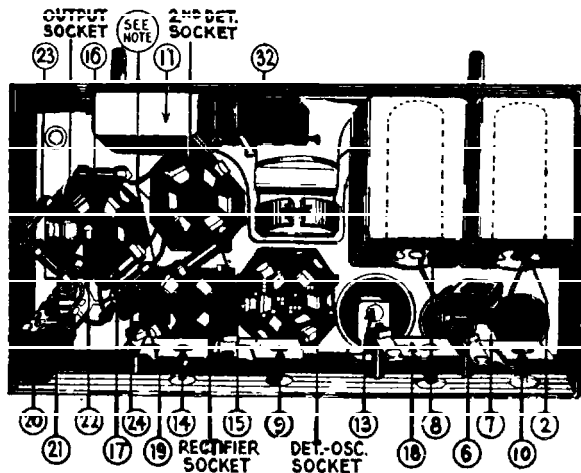
Model 53



Model 54



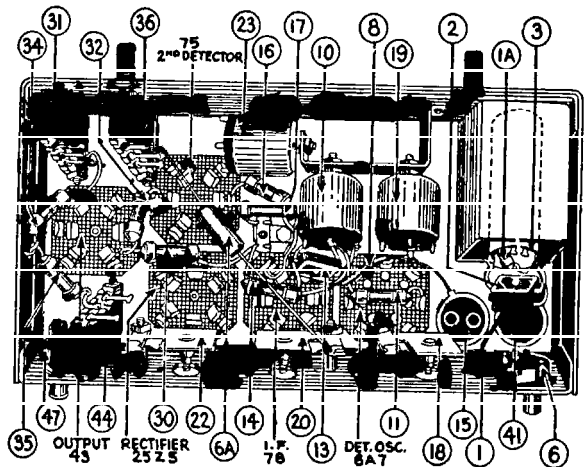
Model 53



Replacement Parts for Model 53

No. on Figs. 2, 3 and 4	Description	Part No.	NET PRICE
①	Volume Control	33-5001	.51
②	Antenna Transformer	32-1000	.24
③	Tuning Condenser Assembly	31-1000	1.05
④	Compensating Condenser (Part of Tuning Condenser Assembly)		
⑤	Filter Condenser Block (.05-.09-.25-.75-.2 Mfd.)	30-4000	.60
⑥	Condenser (.0014 Mfd.)	7007	.15
⑦	Resistor (8,000 ohms) Gray-Black-Red	5838	.12
⑧	Oscillator Transformer	32-1001	.39
⑨	Compensating Condenser (I.F. Primary)	04000-A	.08
⑩	Compensating Cond. (Low Frequency)	04000-S	.15
⑪	Condenser (.00025 Mfd.)	7440	.45
⑫	Compensating Condenser (Part of Tuning Condenser Assembly)		
⑬	I.F. Transformer	32-1002	.39
⑭	Compensating Cond. (I.F. Secondary)	04000-A	.08
⑮	Resistor (10,000 ohms) Brown-Black-Orange	4412	.12
⑯	Resistor (490,000 ohms) Yellow-White-Yellow	4517	.12
⑰	Resistor (10,000 ohms) Brown-Black-Orange	4412	.12
⑱	Compensating Condenser (Regeneration)	04000	.10
⑲	Condenser (.00025 Mfd.)	2092	.12
⑳	Condenser (.01 Mfd.)	3903-AM	.12
㉑	Resistor (240,000 ohms) Red-Yellow-Yellow	4410	.12
㉒	Resistor (490,000 ohms) Yellow-White-Yellow	4517	.12
㉓	Resistor (51,000 ohms) Green-Brown-Orange	4518	.12
㉔	Resistor (99,000 ohms) White-White-Orange	4411	.12
㉕	Condenser (.016 Mfd.)	3793-S	.10
㉖	Output Transformer	32-7000	.45
㉗	Voice Coil and Cone Assembly	36-3000	.21
㉘	A. C. Switch (Part of Volume Control Assembly)	33-5001	.51
㉙	Resistors (2 Wire Wound-108 ohms each)	33-3000	.15
㉚	Electrolytic Condenser (8 Mfd.)	30-2000	.60
㉛	Electrolytic Condenser (8 Mfd.)	30-2000	.60
㉜	Condenser (.05 Mfd.)	3615-E	.12
㉝	Filter Choke	32-7001	.39
㉞	Tube Shield	7172	.08
㉟	Knobs (Both Controls)	03064	.04
㊱	Four Prong Socket	7544	.04
㊲	Six Prong Socket	7547	.06
㊳	Pointer for Station Selector	28-1019	.02
㊴	Dial	28-1021	.03

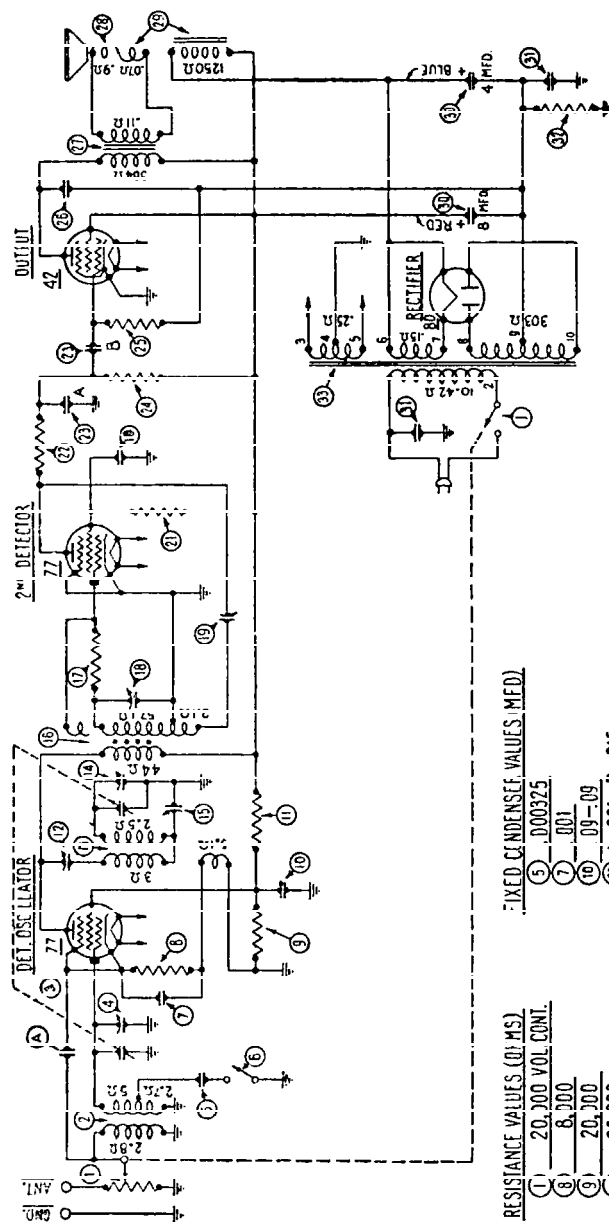
Model 54



Replacement Parts for Model 54

No. on Figs.	Description	Part No.	NET PRICE
①	Condenser	30-1005	.10
①a	Resistor (Green-Black-Red)	6096	.12
②	Condenser	5215	.12
③	Antenna Transformer Assembly	32-1117	.75
④	Tuning Condenser Assembly	31-1027	1.05
⑤	Compensating Condenser (Part of ④)		
⑥	Wave Band Switch	42-1027	.30
⑥a	Condenser	30-4020	.08
⑦	Filter Condenser (Block)	30-4023	.60
⑧	Resistor (Flexible)	33-3010	.09
⑨	Compensating Condenser (High Frequency 1400) Part of ④		
⑩	Oscillator Coil	32-1115	.60
⑪	Resistor (Green-Brown-Orange)	4518	.12
⑫	Compensating Condenser (Low Freq.)	04000-B	.11
⑬	Condenser	4519	.11
⑭	Resistor (Green-Black-Red)	5310	.12
⑮	Electrolytic Condenser (Double)	30-2002	.60
⑯	Resistor (White-White-Orange)	4411	.12
⑰	Resistor (Gray-Black-Red)	5838	.12
⑱	Compensating Cond. (1st I. F. Primary)	04000-A	.08
⑲	1st I. F. Transformer	32-1115	.39
㉑	Compensating Condenser (1st I. F. Secondary)	04000-A	.08
㉒	Resistor (Red-Black-Green)	5872	.12
㉓	Compensating Cond. (2nd I. F. Primary)	04000-A	.06
㉔	2nd I. F. Transformer	32-1116	.45
㉕	Condenser (Double)	8035-G	.12
㉖	Volume Control and "On-Off" Switch	33-5010	.60
㉗	Resistor (Green-Brown-Orange)	4518	.12
㉘	Condenser	3903-AM	.12
㉙	Resistor (Yellow-White-Yellow)	6097	.12
㉚	Resistor (Green-Brown-Orange)	4518	.12
㉛	Condenser (Double)	8035-F	.11
㉜	Resistor (Red-Yellow-Yellow)	4410	.12
㉝	Resistor (Yellow-White-Yellow)	4517	.12
㉞	Resistor (Red-Green-Orange)	4516	.12
㉟	Condenser	3793-Y	.10
㊱	Output Transformer	32-7020	.48
㊲	Voice Coil and Cone Assembly	36-3020	.36
㊳	Field Coil and Pot Assembly	36-3040	.96
㊴	Filter Choke	32-7036	.45
㊵	Electrolytic Condenser	30-2001	.75
㊶	Resistor (Wire Wound)	33-3012	.15
㊷	Resistor (Yellow-White-Yellow)	6097	.12
㊸	Condenser	3615-B	.18
㊹	Pilot Lamp	4567	.11
㊺	Resistor (Wire Wound)	33-3011	.15
㊻	Safety Switch	42-1026	.60
㊼	Tube Shield	28-1130	.06
㊽	Six Prong Socket	7547	.06
㊾	Seven Prong Socket	27-6005	.06
㊿	Tuning Scale	27-5008	.08
	Volume Control Scale	27-5010	.08

MODEL 57



RESISTANCE VALUES (Ω) MS

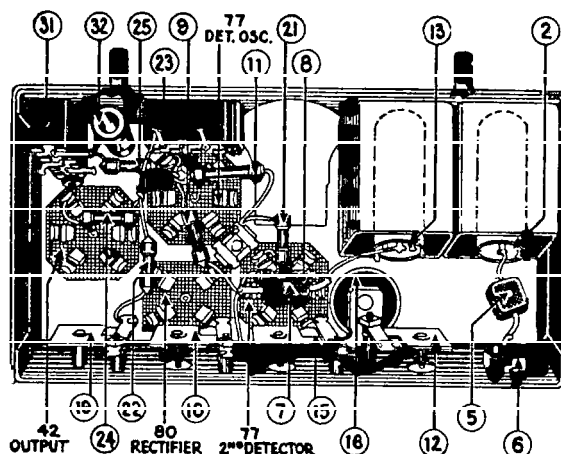
(1)	20,000 VOL CONT.
(2)	8,000
(3)	20,000
(4)	25,000
(5)	4000,000
(6)	1,000,000
(7)	10,000
(8)	240,000
(9)	490,000
(10)	325 (WIR. WOUND)

FIXED CAPACITANCE VALUES (MED)

(11)	.000325
(12)	.001
(13)	.09-.09
(14)	.001-.015
(15)	.005
(16)	.015-.015

Note: (A) - This capacity obtained by pair twisted wires

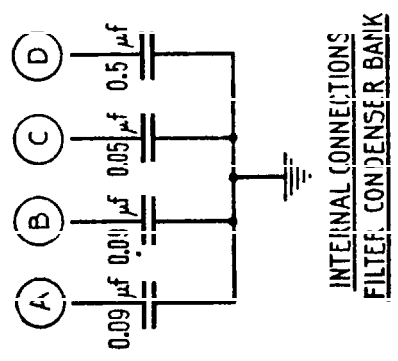
Model 57



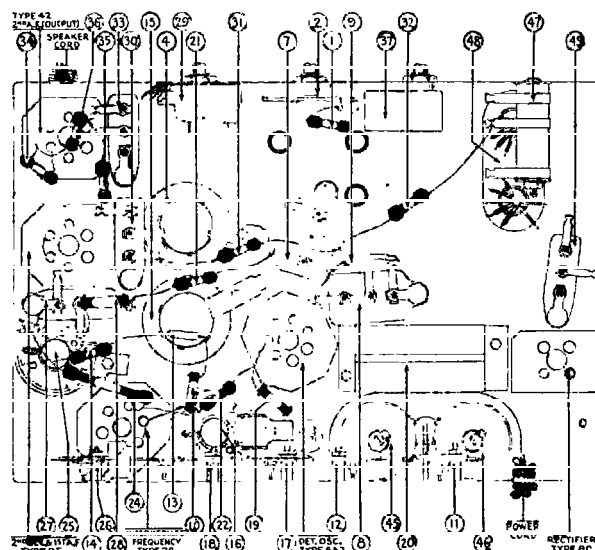
REPLACEMENT PARTS MODEL 57

No. on Page.	Description	Part No.	DEALER NET PRICE	No. on Page.	Description	Part No.	DEALER NET PRICE
①	Volume Control and "On-Off" Switch.	33-5011	.48	⑮	Compensating Cond. (I. F. Secondary) . . .	04000-D	.06
②	Antenna Transformer.	32-1153	.30	⑯	Compensating Condenser.	04000	.10
③	Tuning Condenser Assembly.	31-1035	1.05	⑰	Resistor (Brown-Black-Green).	4409	.12
④	Compensating Condenser (Antenna; Part of ③).			⑱	Resistor (Brown-Black-Orange).	4412	.12
⑤	Condenser.	30-1004	.10	⑳	Condenser (Double).	7702-B	.12
⑥	Wave Band Switch.	42-1027	.30	㉑	Resistor (Red-Yellow-Yellow).	4410	.12
⑦	Condenser.	5215	.12	㉒	Resistor (Yellow-White-Yellow).	3789	.12
⑧	Resistor (Gray-Black-Red).	5838	.12	㉓	Condenser.	7625-E	.08
⑨	Resistor (Red-Black-Orange).	6650	.15	㉔	Output Transformer.	32-7041	.48
⑩	Condenser (Double).	4989-C	.15	㉕	Voice Coil and Cone Assembly.	30-3029	.36
⑪	Resistor (Red-Green-Orange).	3656	.12	㉖	Field Coil and Pot Assembly.	30-3031	.90
⑫	Compensating Condenser (I. F. Primary).	04000-A	.08	㉗	Electrolytic Condenser (Double).	30-2004	.96
⑬	Oscillator Coil.	32-1023	.51	㉘	Condenser (Double).	3703-K	.15
⑭	Compensating Cond. (High Frequency— 1400 kilocycles) (Part of ③).			㉙	Resistor (Wire Wound).	7465	.08
⑮	Compensating Cond. (Low Frequency).	04000-S	.15	㉚	Power Transformer.	32-7046	1.95
⑯	I. F. Transformer.	32-1155	.50	㉛	Tube Shield.	28-1107	.06
⑰	Resistor (Yellow-Black-Green).	6010	.12	㉜	Four Prong Socket.	7544	.04
				㉝	Six Prong Socket.	7547	.06

Model 60



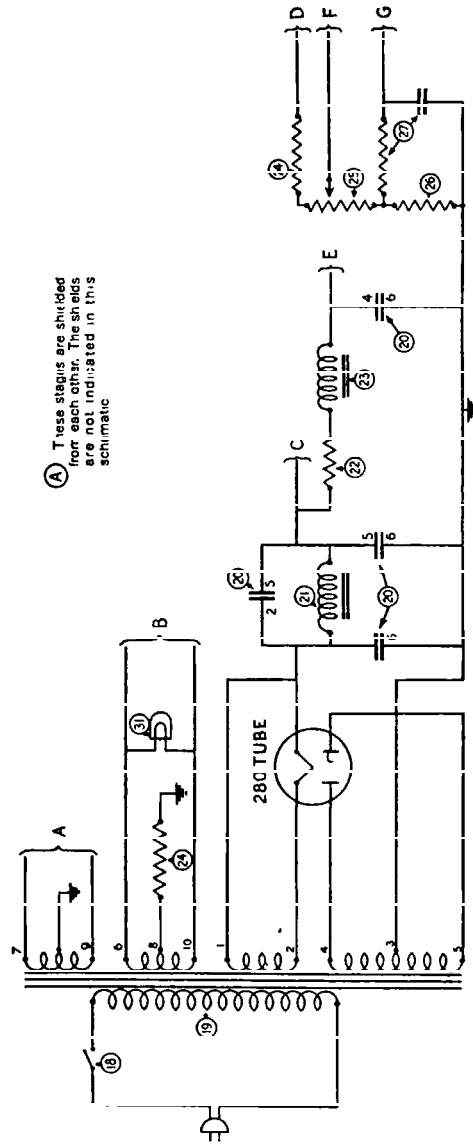
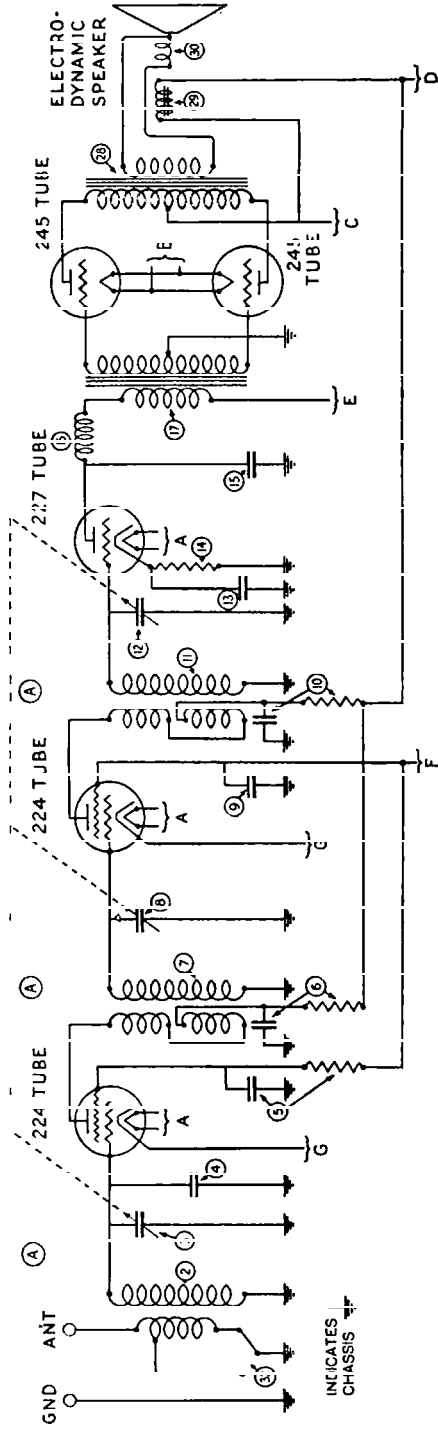
MODEL 60



REPLACEMENT PARTS FOR MODEL 60

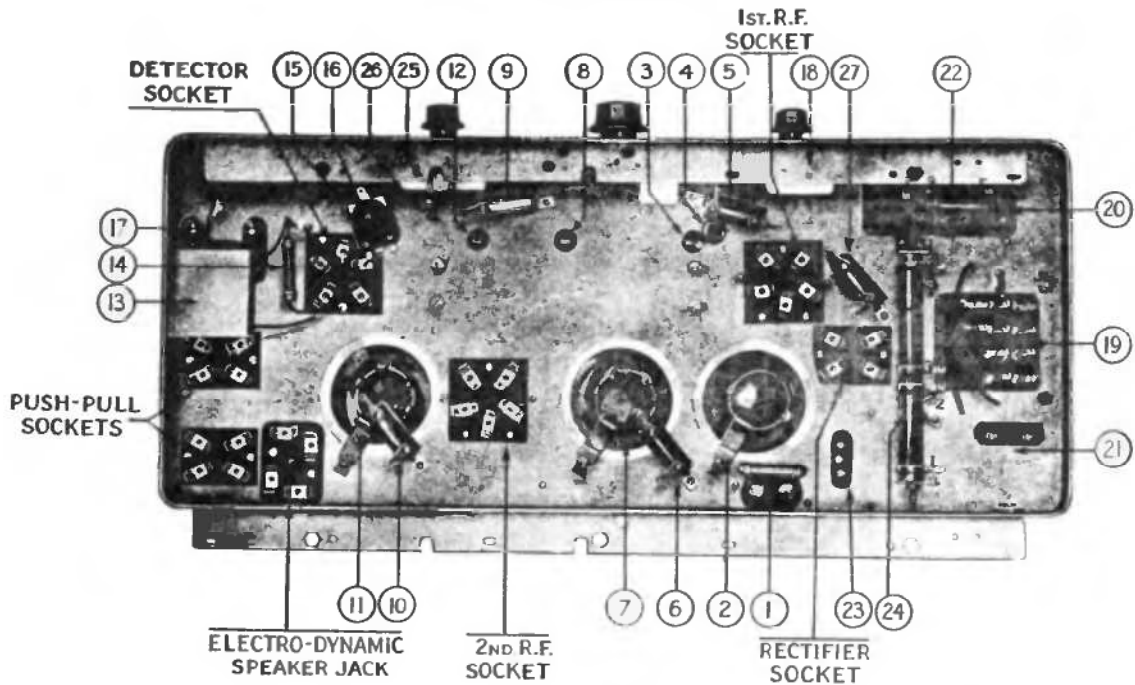
No. on Figs.	Description	Part No.	NET PRICE	No. on Figs.	Description	Part No.	NET PRICE
①	Resistor (10,000) (Brown-Black-Orange)	4412	.12	②	Resistor (25,000) (Red Green Orange)	2556	.12
②	Wave-Band Switch	42-1001		③	Second I. F. Transformer	32-1050	
③	Tuning Condenser Assembly	31-1006		④	Compensating Cond. (2nd. I. F. Primary)	04000-M	.10
④	Antenna Transformer	32-1047		⑤	Condenser (Double) (.00011-.00011)	8035-R	.10
⑤	Compensating Condenser (Ant.; H. F.; Part of ③)			⑥	Resistor (51,000) (Green-Brown-Orange)	4518	.12
⑥	Compensating Condenser (Osc.; H. F.; Part of ③)			⑦	Volume Control and "On-Off" Switch	33-5006	
⑦	Condenser (Double) (.05-.05)	3615-AJ	.15	⑧	Condenser (.01)	3903-AP	
⑧	Condenser (.18)	4989-Z		⑨	Resistor (1.0 meg.) (Brown-Black-Green)	4409	.12
⑨	Resistor (10,000) (Brown-Black-Orange) (200) (Red-Black-Brown)	7217	.09	⑩	Resistor (.1 meg.) (White-White-Orange)	4411	.12
⑩	Resistor (51,000) (Green-Brown-Orange)	4518	.12	⑪	Condenser (Double) (.00011-.015)	8035-D	
⑪	Compensating Condenser (Osc.; L. F.; Police Band)	04000-S	.15	⑫	Resistor (70,000) (Violet-Black-Orange)	5355	.12
⑫	Compensating Condenser (Osc.; L. F.; Broadcast Band)	04000-S	.15	⑬	Resistor (.5 meg.) (Yellow-White-Yellow)	4517	.12
⑬	Condenser (.00011)	4519	.11	⑭	Resistor (70,000) (Violet-Black-Orange)	5355	.12
⑭	Resistor (32,000) (Orange-Red-Orange)	5279	.12	⑮	Tone Control	30-4008	
⑮	Oscillator Transformer	32-1048		⑯	Condenser (Part of ⑮) — (.015)		
⑯	First I. F. Transformer	32-1049		⑰	Condenser (Part of ⑮) — (.01)		
⑰	Compensating Cond. (1st I. F. Primary)	04000-M	.10	⑱	Output Transformer	32-7019	.75
⑱	Compensating Cond. (1st I. F. Secondary)	04000-A	.08	⑲	Voice Coil and Cone Assembly	36-3014	.30
⑲	Resistor (51,000) (Green-Brown-Orange)	4518	.12	⑳	Speaker Field, assembled with Pot (S-7)	36-3037	
㉑	Filter Condenser Bank	30-4013	.39	㉑	Condenser (Electrolytic) (8.0)	7558	.75
㉒	Resistor (2 meg.) (Red-Black-Green)	5872	.12	㉒	Condenser (Electrolytic) (8.0)	7558	.75
㉓	Resistor (10,000) (Brown-Black-Orange)	4412	.12	㉓	Resistor (Wire-Wound)	7998	.09
㉔	Pilot Lamp (Station Selector)	6008	.09	㉔	Power Transformer (50-60 —)	8046	1.80
				㉕	Condenser (.015)	3733-W	.10
				㉖	Tube Shield	28-1107	.06
				㉗	Four-Prong Tube Socket	7544	.04
				㉘	Six-Prong Tube Socket	7547	.05
				㉙	Seven-Prong Tube Socket	27-6005	.06

Philco Model 6.5



(A) These stages are shielded from each other. The shields are not indicated in this schematic

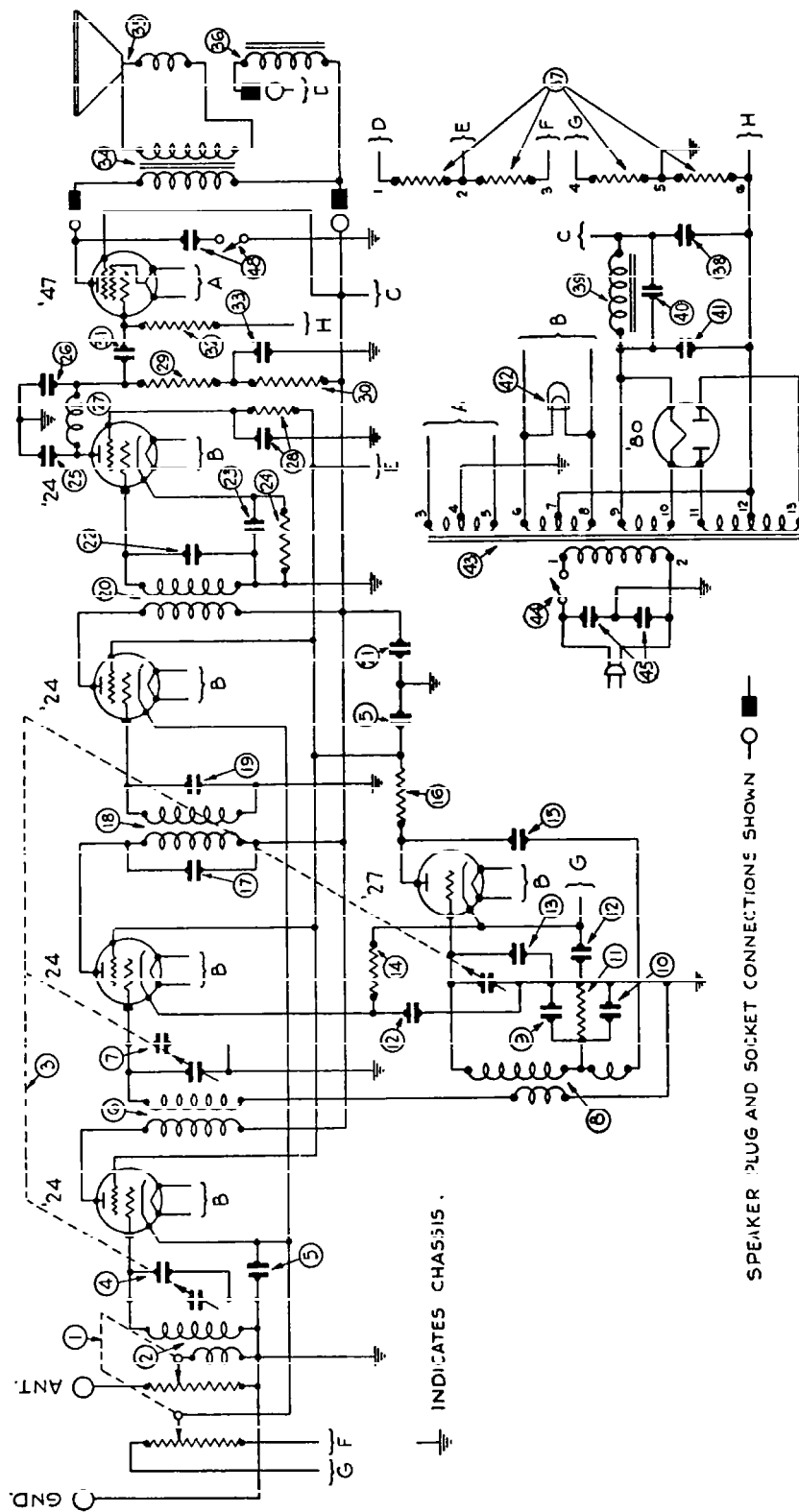
Philco Model 65



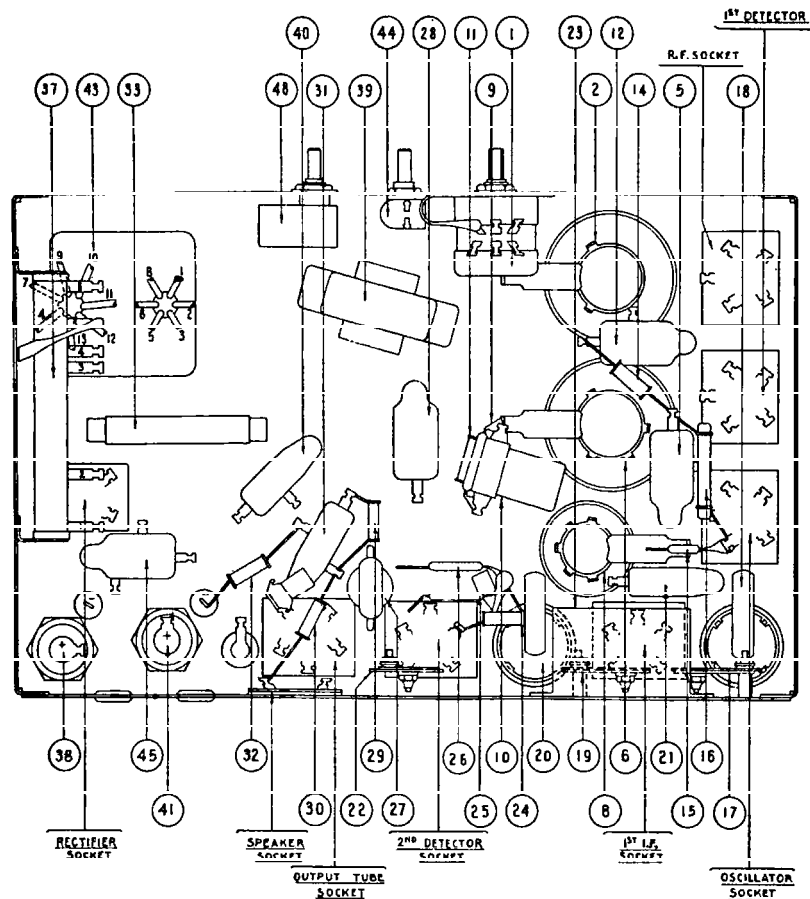
Replacement Parts for Model 65

NUMBER	DESCRIPTION	PART NO.	DEALER NET PRICE	DEALER NET PRICE
①	Antenna Resistor	3524	.12	
②	R. F. Transformer (Antenna Coil)	3506-B	.54	
③ - ⑤ - ⑥	Tuning Condenser	3480-B	5.40	
④	Fixed Compensator	3617-A		
⑤	Screen Grid By-Pass Condenser and Resistance	3292-A	.30	
⑥ - ⑩	Plate By-Pass Condenser and Resistance	3584-A	.27	
⑦ - ⑪	R. F. Transformer	3506-A	.75	
⑧	Screen Grid By-Pass Condenser	3292-P	.21	
⑨	Detector Cathode By-Pass Condenser	3583	.24	
⑫	Detector Cathode Resistor	3525	.12	
⑬	.001 Detector Plate By-Pass Condenser	3081	.15	
⑭	R. F. Choke	3256-A	.15	
⑮	Push-Pull Input Transformer	3537	2.10	
⑯	Set Power Switch	3517	.36	
⑰	Power Transformer	3516	4.20	
⑱	B Filter Condenser Block	3515	5.65	
⑲	First Filter Choke	3422	1.50	
⑳	Detector Plate Resistor	3526	.12	
㉑	Second Filter Choke	3518	1.65	
㉒	BC Resistor	3512	.75	
㉓	Volume Control	3528		.60
㉔	Six-Ohm Resistor	3628		.09
㉕	Cathode By-Pass Condenser and Resistance	3292-B		.30
㉖	Push-Pull Output Transformer	2848		1.20
㉗	Speaker Field Winding	2550		1.95
㉘	Voice Coil and Cone	2844-A		.75
㉙	Pilot Lamp	3463		.09
㉚	Knob (Small)	3579		
	Knob (Large)	3580		
	Knob Spring	3305		.02
	Four Hole Socket Assembly	3423-A		.12
	Five Hole Socket Assembly	3442-A		.15
	Speaker Plug Socket Assembly	3464-A		.21
	Pilot Lamp Socket Assembly	3556-A		.12
	A.C. Attachment Cord and Plug	1-543-A		.60
	Speaker Plug and Cable	1-1056-A		.90
	Rubber Washer	3558		.03
	Rubber Foot (Set)	3194		.15
	Rubber Foot (Speaker)	2967		.04
	Socket Wrench for Speaker Mounting Bolts	3312		1.20

MODELS 70 AND 70-A



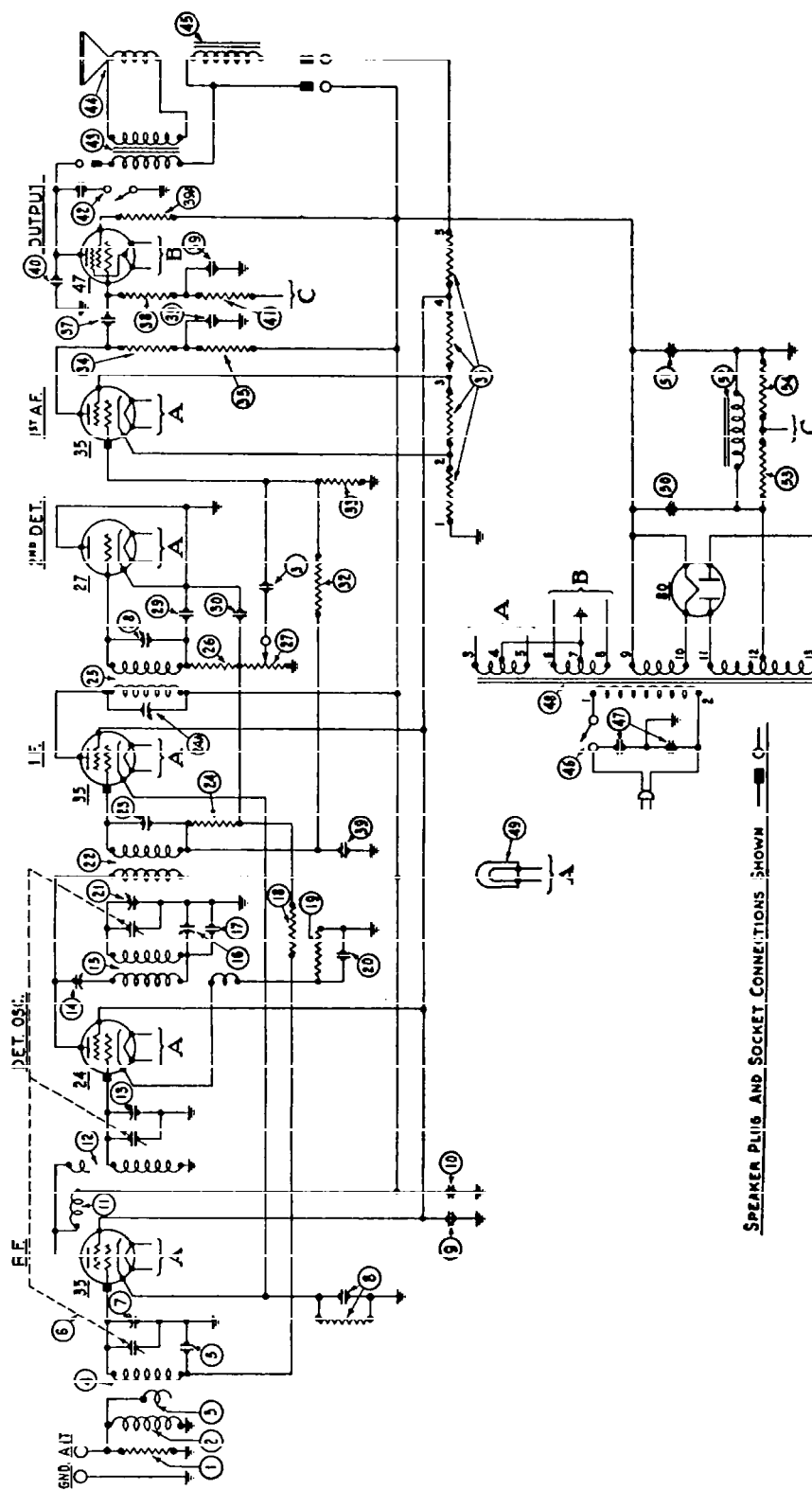
MODELS 70 AND 70-A



REPLACEMENT PARTS—MODELS 70 AND 70-A

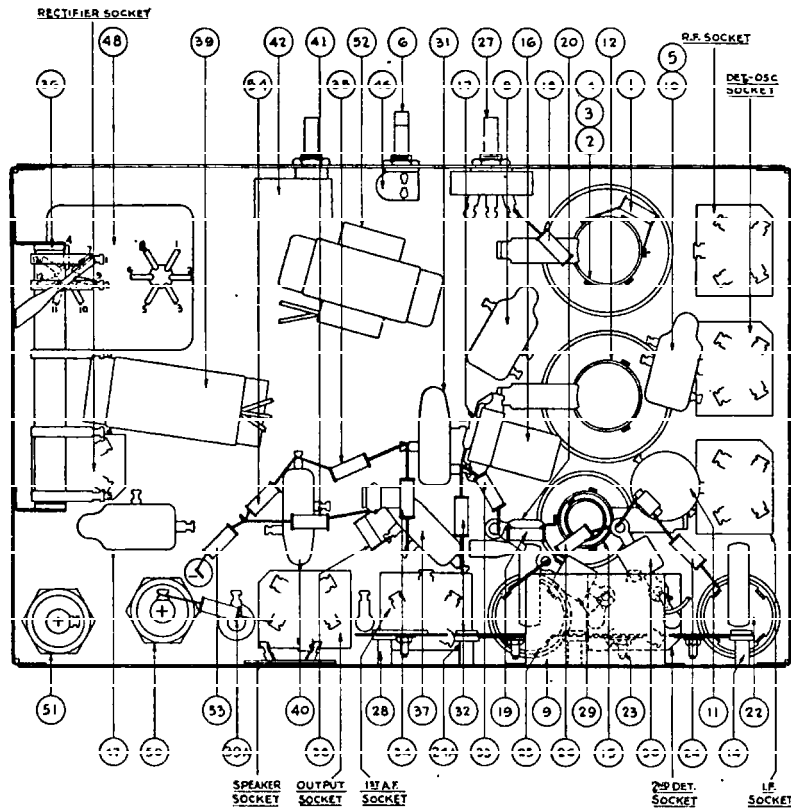
No. on Figs. 3 and 4	Description	Part No.	NET PRICE	No. on Figs. 3 and 4	Description	Part No.	NET PRICE
①	Volume Control	5039	.90	②⑤	Condenser (.01 mfd.)	3903-L	.10
②	R. F. Transformer	03082	.36	②⑥	Resistor (240,000 ohms)	4410	.12
③	Tuning Condenser (50-60 cycles)	03076	3.00	②⑦	Condenser (.25 mfd.)	4264	.24
④	Tuning Condenser (25-40 cycles)	03077	3.00	②⑧	Output Transformer	2673	1.20
⑤	Compensating Condenser— Antenna—(Part of Gang Con- denser Assembly)			②⑨	Voice Coil and Cone Assembly	02996	.45
⑥	Condenser (.09 mfd. Double)	4989-C	.15	③①	Field Coil (Assembled with Pot)	02966	1.25
⑦	Detector Transformer	03083	.33	③②	B. C. Resistor	03079	.30
⑧	Compensating Condenser— Detector—(Part of Gang Con- denser Assembly)			③③	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916	1.05
⑨	Oscillator Coil	03084	.30		Electrolytic Condenser (10 mfd.) 25-40 cycles	5142	1.20
⑩	Condenser (410 mmf.)	5120	.11	③④	Choke	4819	.90
⑪	Compensating Condenser—Low Frequency	04000-F	.10	③⑤	Condenser (.09 mfd.) 30-60 cycles	4989-J	.10
⑫	Resistor (51,000 ohms)	4518	.12		Condenser (.18 mfd.) 25-40 cycles	4080-K	.15
⑬	Condenser (.09 mfd. Double)	4089-C	.15	③⑥	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916	1.05
⑭	Compensating Condenser—High Frequency—(Part of Gang Condenser Assembly)				Electrolytic Condenser (10 mfd.) 25-40 cycles	5142	1.20
⑮	Resistor (5,000 ohms)	5310	.12	③⑦	Pilot Light	3463	.09
⑯	Condenser (110 mmf.)	4519	.11	③⑧	Power Transformer (50-60 cycles)	5117	3.90
⑰	Resistor (13,000 ohms)	3766	.12		Power Transformer (25-40 cycles)	5118	5.25
⑱	Compensating Condenser—1st I. F. Primary	04000-J	.12		Power Transformer (50-60 cycles, 230 volts)	5119	4.05
⑲	First I. F. Transformer	03091	.45	③⑨	"On-Off" Switch	4095	.30
⑳	Compensating Condenser—1st I. F. Secondary	04000-H	.11	④①	Condenser (.015 mfd. Double)	3755-K	.12
㉑	Second I. F. Transformer	03092	.48		Tube Shield	03987	.21
㉒	Condenser (.05 mfd.)	3615-L	.10		Bezel	5312	.03
㉓	Compensating Condenser—2nd I. F. Secondary	04000-K	.12		Knob (Large)	03064	.04
㉔	Condenser (.5 mfd.)	3583	.24		Knob (Small)	03437	.02
㉕	Resistor (51,000 ohms)	4518	.12		Spring (Small)	4147	.01
㉖	Condenser (500 mmf.)	3910	.12		Spring (Large)	5262	per C. .41
㉗	Condenser (250 mmf.)	3082	.12		Grid Clip	4897	per C. .18
㉘	R. F. Choke	03086	.21		Five Prong Socket Assembly	4956	.06
㉙	Condenser (.09 Combined with 250 ohm Resistor)	4989-E	.21		Four Prong Socket Assembly	4955	.05
㉚	Resistor (240,000 ohms)	4410	.12		Dial Complete	03031	.36
㉛	Resistor (45,000 ohms) 50-60 cycles	5256	.12				
㉜	Resistor (99,000 ohms) 25-40 cycles	4411	.12				

MODELS 70 AND 70-A



SPEAKER PLUG AND SOCKET CONNECTIONS SHOWN

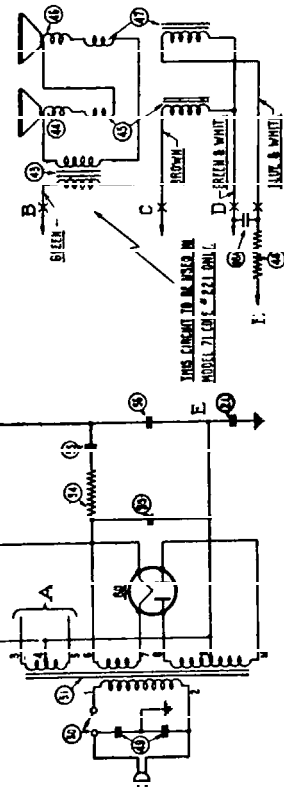
MODELS 70 AND 70-A



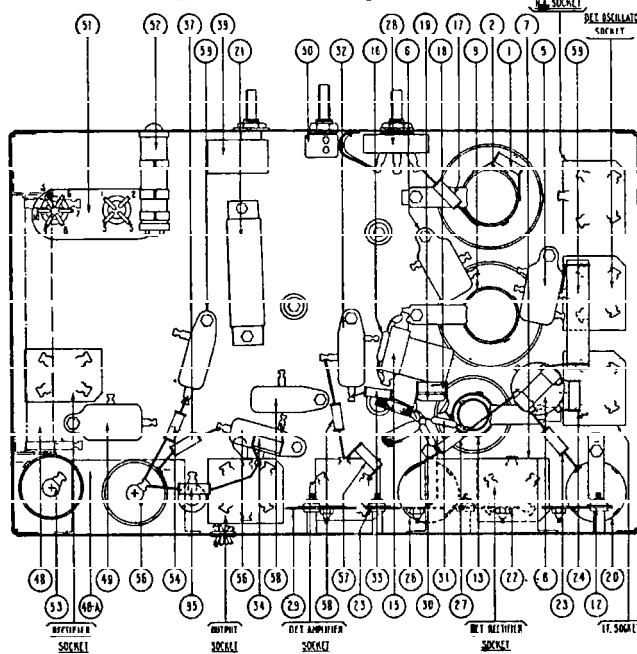
REPLACEMENT PARTS MODELS 70 AND 70-A

(Above Serial No. D 22,000)

No. on Figs. 3 and 4	Description	Part No.	NET PRICE	No. on Figs. 3 and 4	Description	Part No.	NET PRICE
1	Resistor (10,000 ohms)	4112	.12	29	B. C. Resistor	04190	.50
2	Antenna Coil	04339	.45	30	Condenser (.01 mfd.)	3903-T	.10
3	Condenser (.05 mfd.) double	3615-AF	.15	31	Resistor (490,000 ohms)	4517	.12
4	Tuning Condenser Assembly 50-60 cycles	04104	3.00	32	Filter Condenser Block (.05, .25, 1.5 mfd.)	04194	.66
5	Tuning Condenser Assembly 25-40 cycles	04105	3.00	33	Resistor (3,000 ohms)	5309	.12
6	Compensating Condenser—Antenna— (Part of Tuning Condenser Assembly)			34	Condenser (.01 mfd.)	3903-U	.12
7	Condenser (.09 mfd. and 200 ohm Resistor)	4989-L	.15	35	Resistor (330,000 ohms) 50-60 cycles	6046	.12
8	Condenser (.5 mfd.)	3583	.24	36	Resistor (400,000 ohms) 25-40 cycles	4517	.12
9	Combined with 8			37	Tone Control	03637	.18
10	R. F. Choke	04198	.24	38	Output Transformer	2673	1.20
11	Interstage Coil	04185	.30	39	Voice Coil & Cone Assembly	02996	.45
12	Compensating Condenser—Detector— (Part of Tuning Condenser Assembly)			40	Field Coil Assembled with Pot	02996	1.35
13	Compensating Condenser—Coupling	04000-M	.10	41	On-Off Switch	4095	.30
14	Oscillator Coil	04186	.60	42	Condenser (.015 mfd. Double)	3793-II	.12
15	Compensating Condenser—Low Fre- quency	04000-F	.10	43	Power Transformer (50-60 cycles)	5117	3.00
16	Condenser (410 mmf.)	5120	.11	44	Power Transformer (25-40 cycles)	5118	5.25
17	Resistor (2,000,000 ohms)	5872	.12	45	Power Transformer (50-60 cycles, 280 volts)	5119	4.05
18	Resistor (10,000 ohms)	4112	.12	46	Photo Light	2100	.00
19	Condenser (700 mmf.)	4520	.12	47	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916	1.05
20	Compensating Condenser—High Fre- quency—(part of Tuning Condenser Assembly)			48	Electrolytic Condenser (14 mfd.) 25-40 cycles	5120	1.55
21	First I. F. Transformer	04190	.60	49	Electrolytic Condenser (5 mfd.) 50-60 cycles	4916	1.05
22	Compensating Condenser—First I. F.	04000-M	.10	50	Electrolytic Condenser (10 mfd.) 25-10 cycles	5142	1.20
23	Resistor (2,000,000 ohms)	5872	.12	51	Filter Choke	4819	.90
24	Compensating Condenser—2nd I. F. Primary	04000-M	.10	52	Resistor (51,000 ohms)	4518	.12
25	Second I. F. Transformer	03085	.45	53	Resistor (400,000 ohms)	4517	.12
26	Resistor (99,000 ohms)	4411	.12	54	Tube Shield	04168	.04
27	Volume Control	6015	.45	55	Knob (Large)	03064	.02
28	Compensating Condenser—Second I. F.	04000-M	.10	56	Knob (Small)	03437	.01
29	Condenser (110 mmf.)	4519	.11	57	Knob (Small)	2127	.01
30	Condenser (110 mmf.)	4519	.11	58	Grid Clip	4897	per C .18
31	Condenser (.01 mfd.)	3903-C	.10	59	Five Prong Socket Assembly	4896	.05
32	Resistor (4,000,000 ohms)	6010	.12	60	Four Prong Socket Assembly	4855	.05
33	Resistor (1,000,000 ohms)	4409	.12	61	Dial Complete	00021	.36
34	Resistor (70,000 ohms)	5325	.12	62	Bozel	5312	.03
35	Resistor (25,000 ohms)	4516	.12	63	Chassis Mounting Screw	W-468	per C 2.10
				64	Mounting Washer	W-315	per C .24
				65	Mounting Washer	6100	per C .00



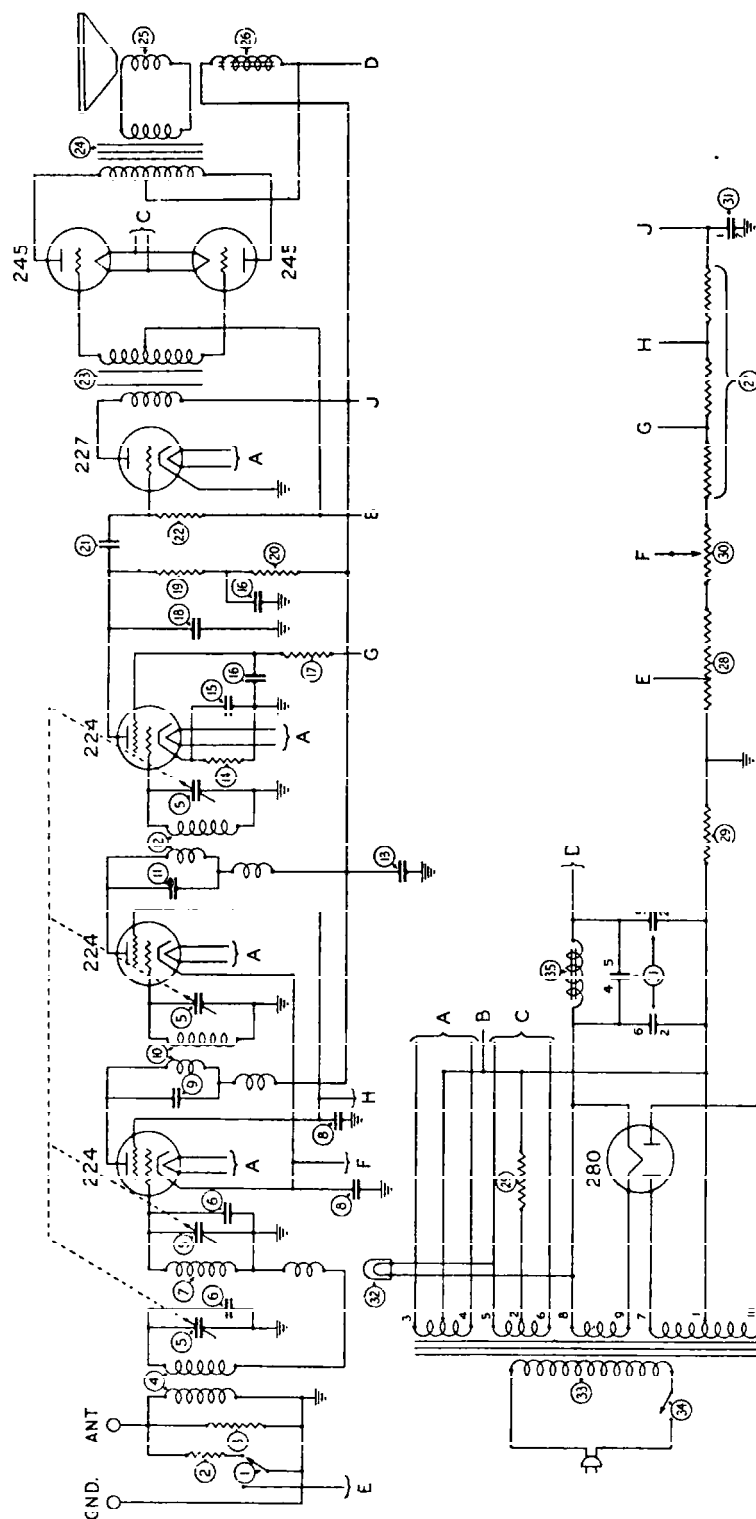
Philco Model 71 Series



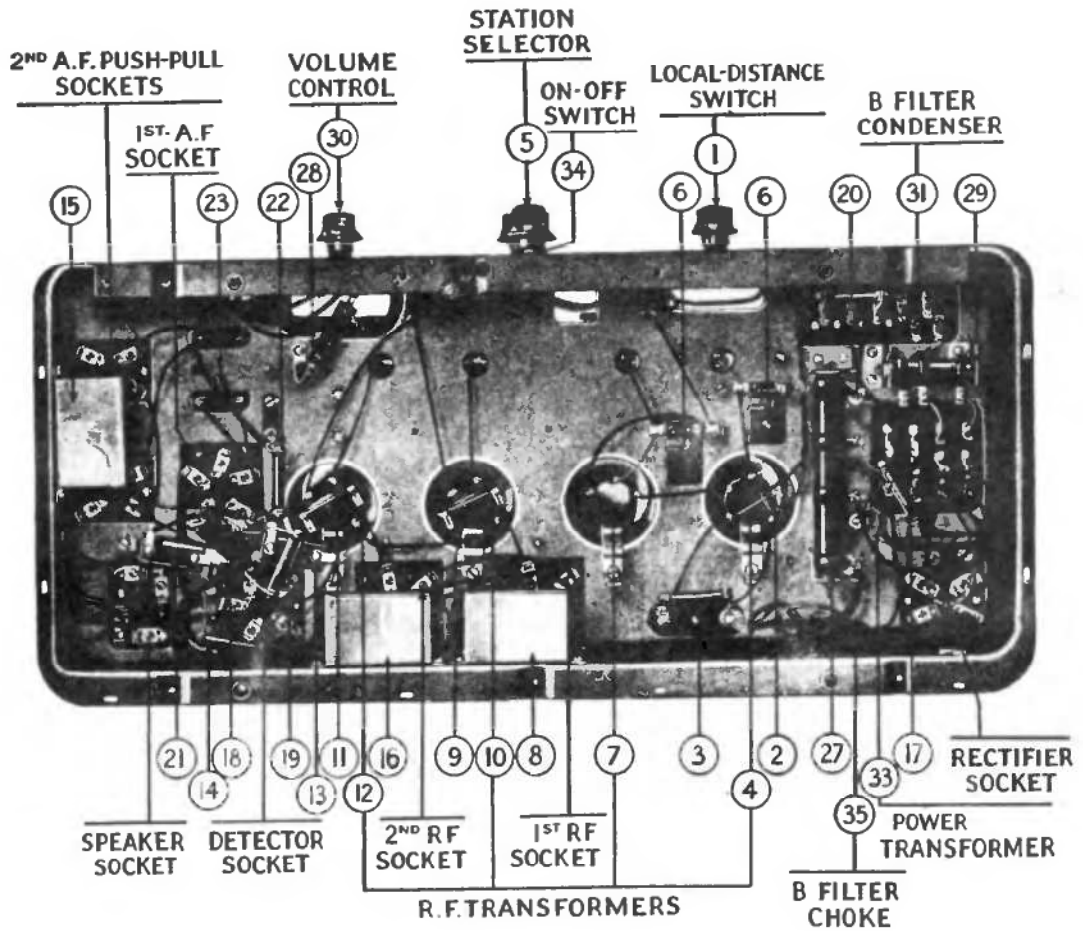
Replacement Parts for Model 71 Series

		NET PRICE			NET PRICE
① Resistor (10,000 ohms)	4412	.12	④ Speaker Field and Bucking Coil assembled with pot—(K-7) single speaker models	02761	1.35
② R. F. Transformer	04339	.45	⑤ Output Transformer—Twin speaker models	2564	.81
③ Tuning Condenser (50-60 cycles)	04733	2.55	⑥ Voice Coil and cone assembly	02823	.27
④ Tuning Condenser (25-40 cycles)	04734	6.00	⑦ Speaker Field and Bucking Coil assembled with pot—(K-10) Twin speaker models	02767	1.36
⑤ Condenser (.05 Mfd. double)	3615-AF	.15	⑧ Voice coil and cone assembly	02823	.27
⑥ Condenser (.09 Mfd. and 200 ohm resistor)	4989-I	.15	⑨ Speaker field assembled with pot—(K-9) Twin speaker models	02762	1.65
⑦ Condenser (.5 Mfd.)	3683	.24	⑩ Resistor (5620 ohms) wire wound—Twin speaker models	6451	.18
⑧ R. F. Choke	04198	.24	⑪ Condenser (.25 Mfd.) Twin Speaker Models	04997	.21
⑨ Detector Transformer	04185	.30	⑫ Condenser (.015 Mfd. Double)	3793-H	.12
⑩ Compensating Condenser—Detector—Part of tuning condenser assembly			⑬ On-off Switch	6408	.24
⑪ Pilot Light	6608	.09	⑭ Power Transformer—50-60 cycles—single speaker	6454	2.25
⑫ Compensating Condenser—1st I. F. primary	04000-M	.10	⑮ Power Transformer—25-40 cycles—single speaker	6455	3.90
⑬ Oscillator Coil	04186	.60	⑯ Power Transformer—50-60 cycles—230 volts—single speaker	6456	2.55
⑭ Compensating Condenser—High frequency—Part of tuning condenser assembly			⑰ Power Transformer—50-60 cycles—twin speaker	6457	2.55
⑮ Compensating condenser—Low frequency	04000-F	.10	⑱ Power Transformer—25-40 cycles—twin speaker	6458	4.05
⑯ Condenser (410 Mmf.) (Yellow and Orange)	5120	.11	⑲ Power Transformer—50-60 cycles—230 volts—twin speaker	6459	3.00
⑰ Resistor (1,000,000 ohms)	4409	.12	⑳ Resistor—wire wound (245 ohms and 185 ohms)	6452	.10
⑱ Resistor (15,000 ohms)	6208	.12	㉑ Electrolytic Condenser (5 Mfd.) (50-60 cycles) single speaker	6453	.93
⑲ Condenser (700 Mmf.) (White and Yellow)	4520	.12	㉒ 8 Mfd. Twin speaker	6707	.90
㉑ First I. F. Transformer	04100	.20	㉓ Resistor (10,000 ohms)	4412	.12
㉒ Filter Condenser Bank (2—.05, .25 Mfd.)	04731	.24	㉔ Condenser (.05 Mfd.)	3615-G	.10
㉓ Compensating Condenser—1st I. F. secondary	04000-M	.10	㉕ Electrolytic Condenser (6 Mfd.) (50-60 cycles) single speaker	4916	1.05
㉔ Resistor (1,000,000 ohms)	4409	.12	㉖ 8 Mfd. Twin speaker	6707	.90
㉕ Resistor (1,000 ohms)	5837	.12	㉗ Resistor (5,000 ohms)	5310	.12
㉖ Compensating Condenser—2nd I. F. primary	04000-M	.10	㉘ Resistor (5,000 ohms)	5310	.12
㉗ Second I. F. Transformer	04319	.45	㉙ Resistor (13,000 ohms)	6450	.21
㉘ Resistor (99,000 ohms)	4411	.12	㉚ Tube Shield (small)	5387	.03
㉙ Volume Control	6400	.40	㉛ Tube Shield (large)	04735	.24
㉚ Compensating Condenser—2nd I. F. secondary	04000-M	.10	㉜ Knob (large)	03063	.05
㉛ Condenser (110 Mmf.) (Blue and Golden Yellow)	4519	.11	㉝ Knob (medium)	03064	.04
㉜ Condenser (110 Mmf.) (Blue and Golden Yellow)	4519	.11	㉞ Knob (small)	03437	.02
㉝ Condenser (.01 Mfd.)	3903-I	.10	㉟ Knob Spring (large)	5262	per C .21
㉞ Resistor (1,000,000 ohms)	4409	.12	㊱ Knob Spring (small)	4147	.01
㉟ Resistor (70,000 ohms)	5385	.12	㊲ Grid Cup	4507	per C .10
㊱ Resistor (25,000 ohms) Single Speaker	4510	.14	㊳ Four Prong Socket Assembly	5026	.05
㊲ Resistor (51,000 ohms) Twin Speaker Models	4518	.12	㊴ Five Prong Socket Assembly	4956	.05
㊳ Condenser (.01 Mfd.)	3903-N	.10	㊵ Six Prong Socket Assembly	6417	.06
㊴ Resistor (490,000 ohms)	4517	.12	㊶ Dial Complete	03031	.36
㊵ Condenser (.01 Mfd.)	3903-AA	.09	㊷ Bezel	6435	.09
㊶ Tone Control	04757	.21	㊸ Chassis Mounting Screw	W-468	per C 2.10
㊷ Output Transformer—single speaker models	2580	.75	㊹ Mounting Washer	W-315	per C .24
㊸ Voice Coil and Cone assembly	02823	.27	㊺ Rubber Washer	5189	per C 1.80
			㊻ Mounting Clamp	6440	.03
			㊼ Cone Retaining Ring	2600	per C .27

Philco Model 76



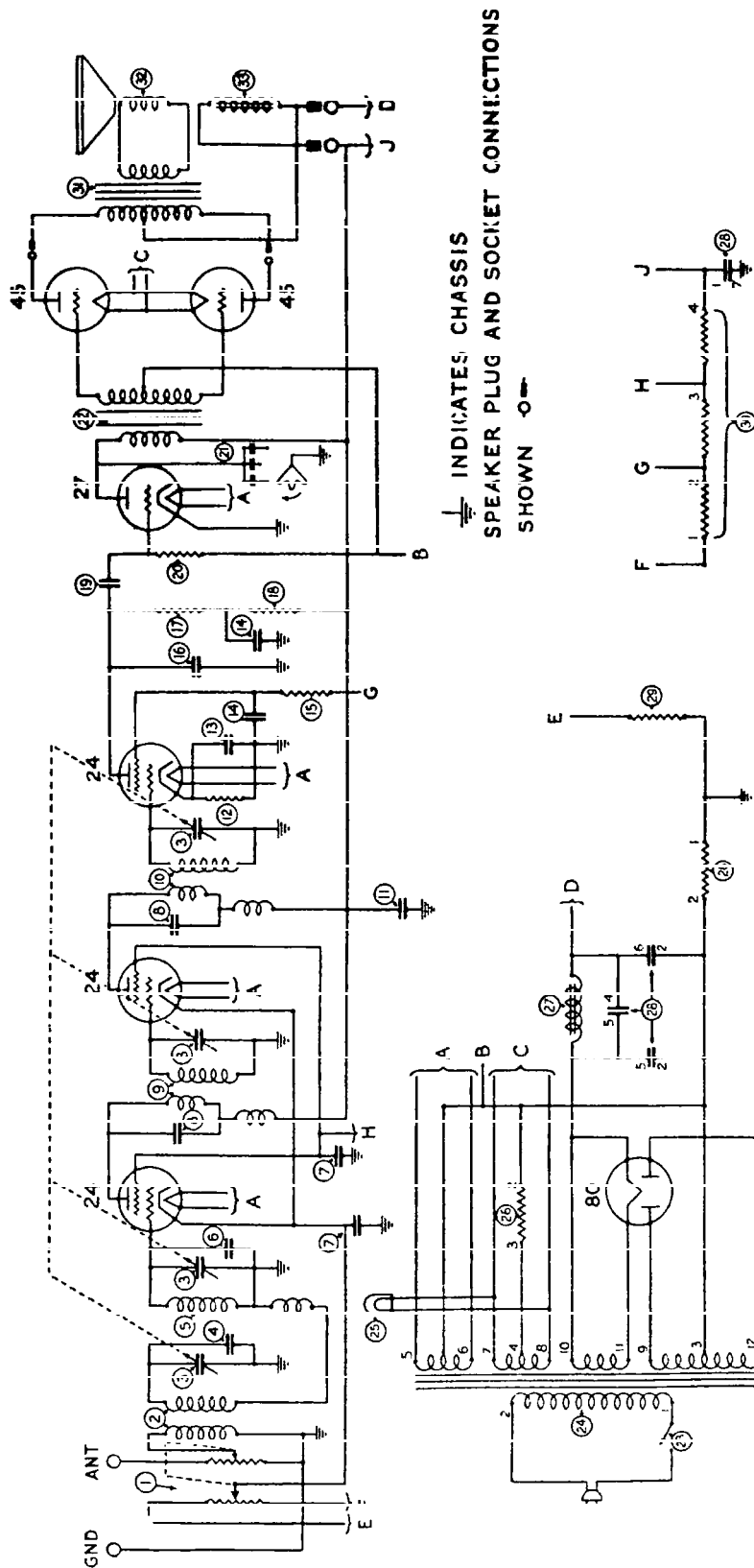
Philco Model 76



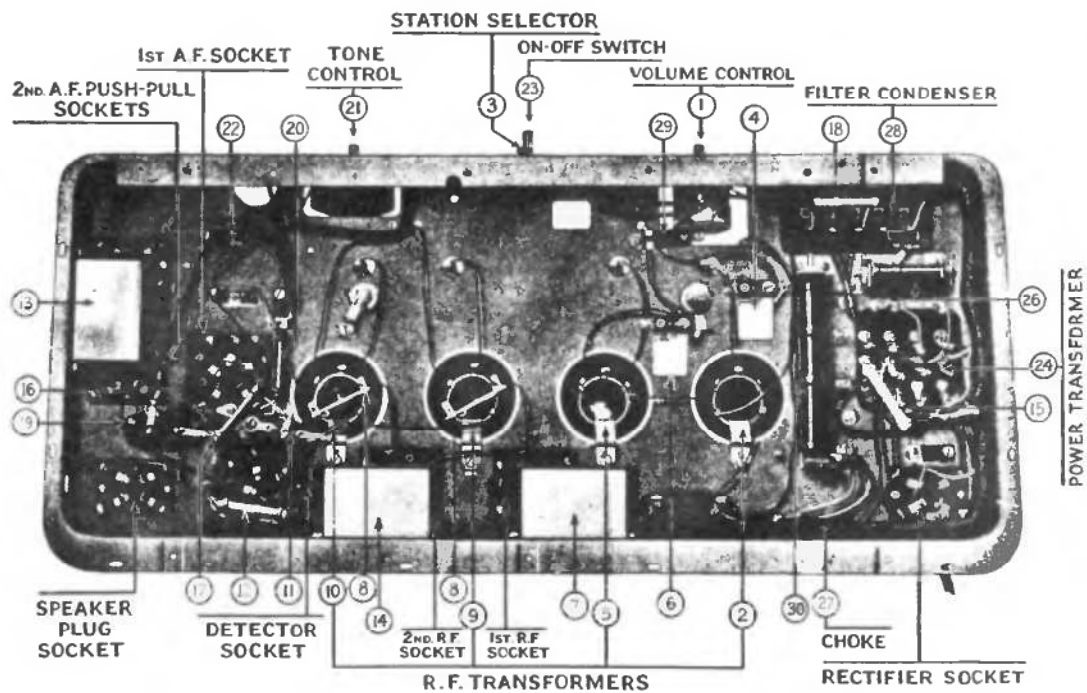
Replacement Parts for Model 76

			DEALER NET PRICE				DEALER NET PRICE
			PART No.				PART No.
①	Local-Distance Switch	3675	.33	②①	Resistor	3767	.12
②	Resistor	3777	.10	②②	Condenser	3897-A	.24
③	Resistor	3526	.12	②③	Resistor	3769	.12
④	1st R. F. Transformer	3884-A	.45	②④	Push-Pull Input Transformer	3872	1.80
⑤	Tuning Condenser	3376-E	6.00	②⑤	Push-Pull Output Transformer	2848	1.20
⑥	Compensating Condenser	3772-A	.08	②⑥	Speaker Cone and Voice Coil	2814-B	.90
⑦	2d R. F. Transformer	3884-B	.33	②⑦	Speaker Field Coil	2850	1.95
⑧	Condenser	3557	.27	②⑧	Resistor	3865	.60
⑨	Condenser	3892-A	.09	②⑨	Resistor	3867	.12
⑩	3d R. F. Transformer	3884-C	.48	③①	Resistor	3864	.36
⑪	Condenser	3892-A	.09	③②	Volume Control	3879	.39
⑫	4th R. F. Transformer	3884-C	.48	③③	B Filter Condenser	3870	3.75
⑬	Condenser	3584-B	.15	③④	Pilot Lamp	3463	.09
⑭	Resistor	3767	.12	③⑤	Power Transformer	3868	4.20
⑮	Condenser	3583	.24	③⑥	On-Off Switch	3517	.36
⑯	Condenser	3557	.27	③⑦	B Filter Choke	3422	1.50
⑰	Resistor	3768	.12		Oscillator Kit	3540	3.00
⑱	Condenser	3082	.12		Cabinet Touch-up Kit	3809	10.00
⑲	Resistor	3769	.12				

Philco Model 7-7



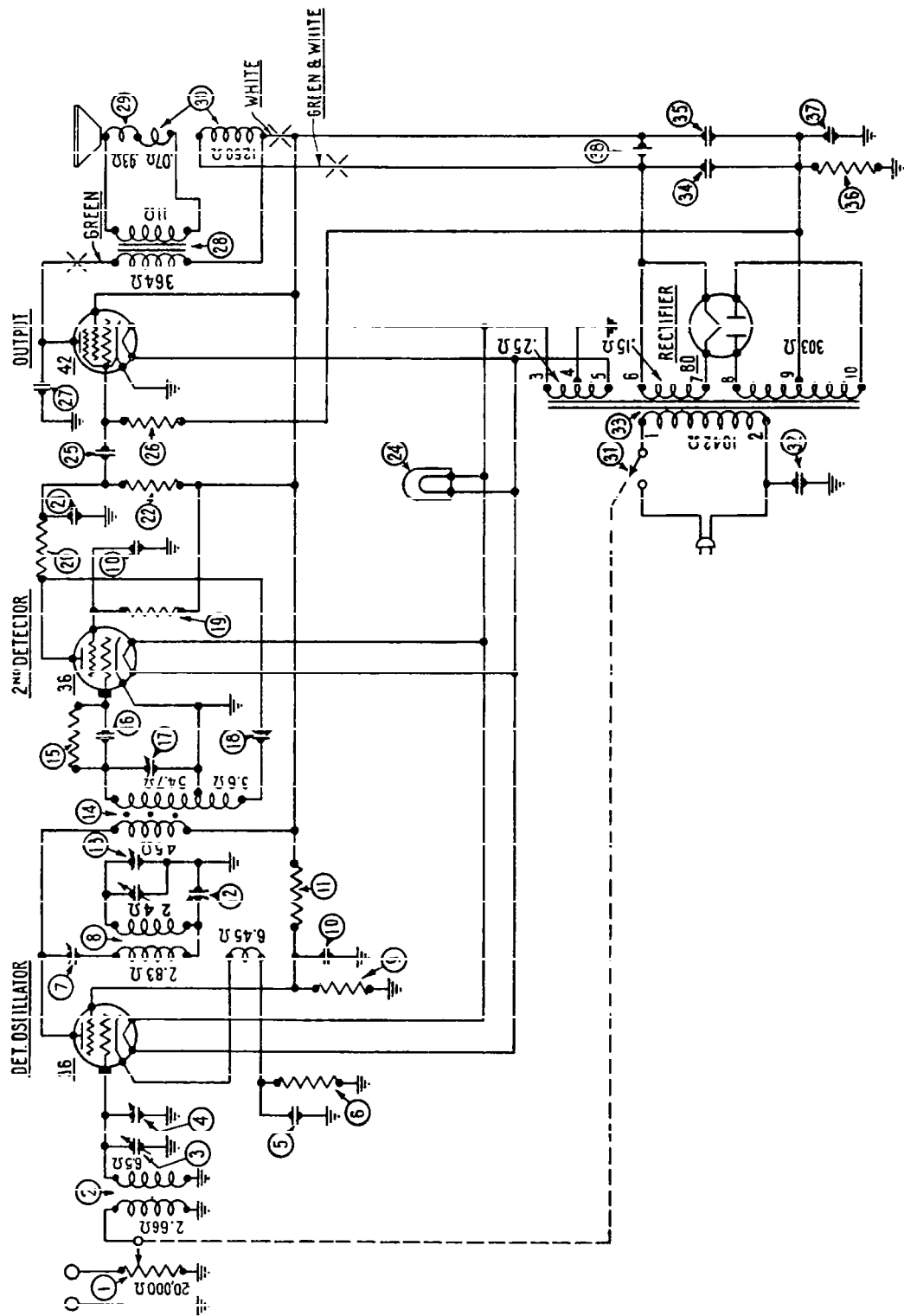
Philco Model 77



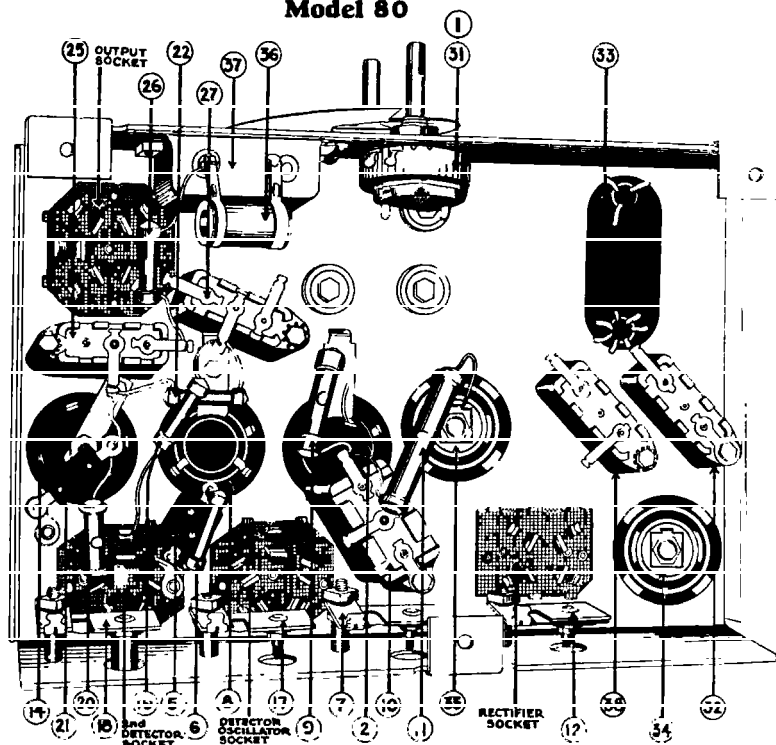
Replacement Parts for Model 77

No.	Description	Part No.	DEALER NET PRICE	No.	Description	Part No.	DEALER NET PRICE
①	Volume Control	4094	.75	②③	Input Transformer	3872	1.80
②	First RF Transformer	3884-A	.45	③②	On-Off Switch	4095	.30
③	Tuning Condenser	4000-B	6.00	②④	Power Transformer (60 Cycles)	3868	4.20
④	First Compensating Condenser	3968-A	.12		Power Transformer (25 Cycles)	3869	8.70
⑤	Second RF Transformer	3884-B	.33	②⑤	Pilot Lamp	3463	.09
⑥	Second Compensating Condenser	3772-A	.08	②⑥	BC Resistor	3864	.36
⑦	By-Pass Condenser	3557	.27	②⑦	Choke	3422	1.50
⑧	Coupling Condenser	3892-A	.09	②⑧	Filter Condenser (60 Cycles)	3870	3.75
⑨	Third RF Transformer	3884-C	.48		Filter Condenser (25 Cycles)	3871	6.90
⑩	Fourth RF Transformer	3884-C	.48	②⑨	C Resistor	4121	.80
⑪	By-Pass Condenser	3615-D	.11	②⑩	BC Resistor	3865	.60
⑫	Resistor	3767	.12	③①	Output Transformer	2848	1.20
⑬	By-Pass Condenser	3583	.24	③②	Voice Coil and Cone	2794-B	.60
⑭	By-Pass Condenser	3557	.27	③③	Field Coil	2850	1.95
⑮	Resistor	3768	.12		Knob (Volume Control)	3579-A	.04
⑯	By-Pass Condenser	3082	.12		Knob (Tuning Condenser)	3580-A	.07
⑰	Resistor	3769	.12		Knob (On-Off Switch)	3676-A	.05
⑱	Resistor	3767	.12		Dial Indicator	4006	.05
⑲	Condenser	3903-F	.09		Scale	4118	.18
⑳	Resistor	3769	.12		Speaker Plug and Cable (Short)	L-1101-A	.36
㉑	Tone Control	4037-A	.39		Speaker Plug and Cable (Long)	L-1102-A	.72

Model 80



Model 80

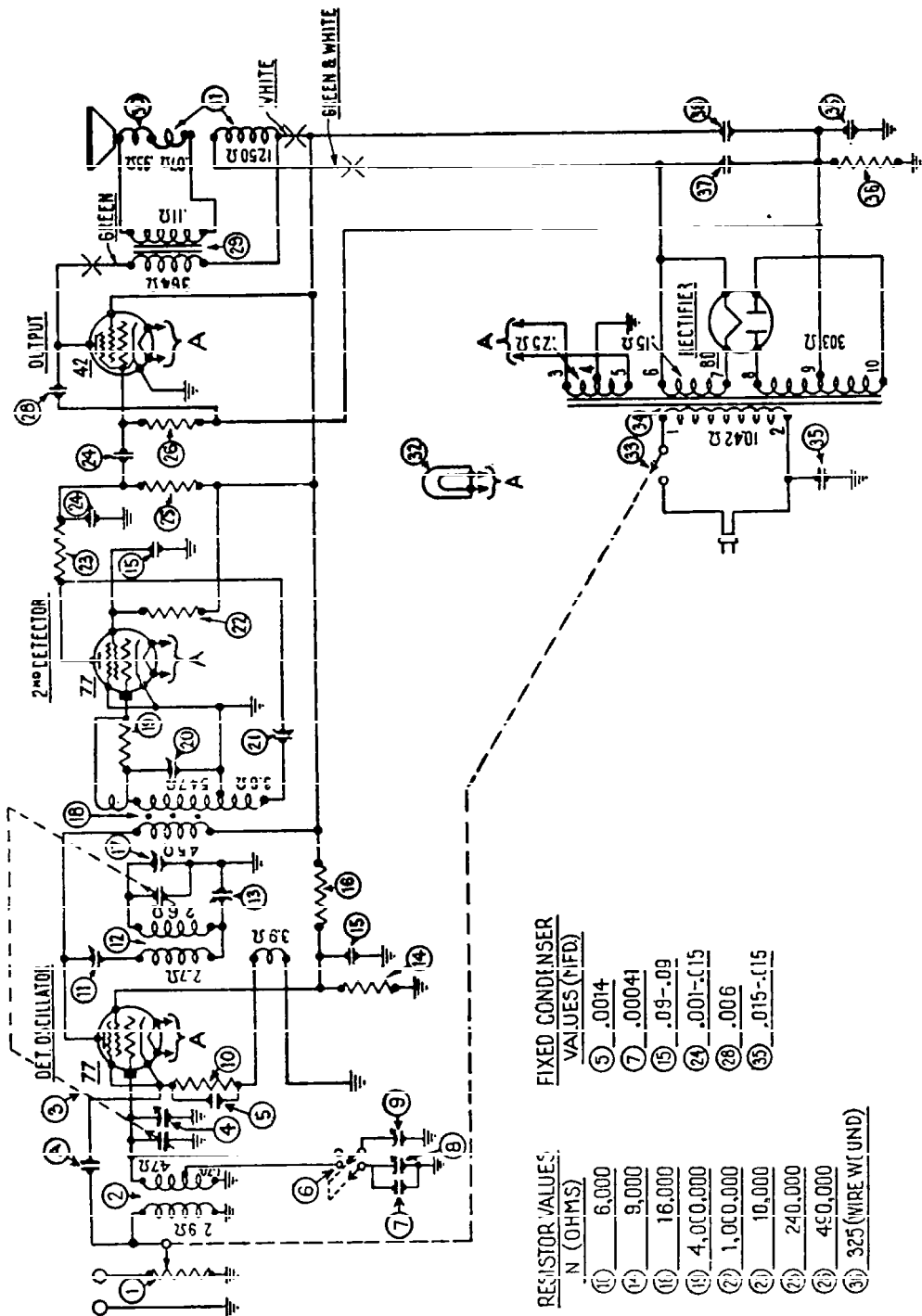


REPLACEMENT PARTS MODEL 80

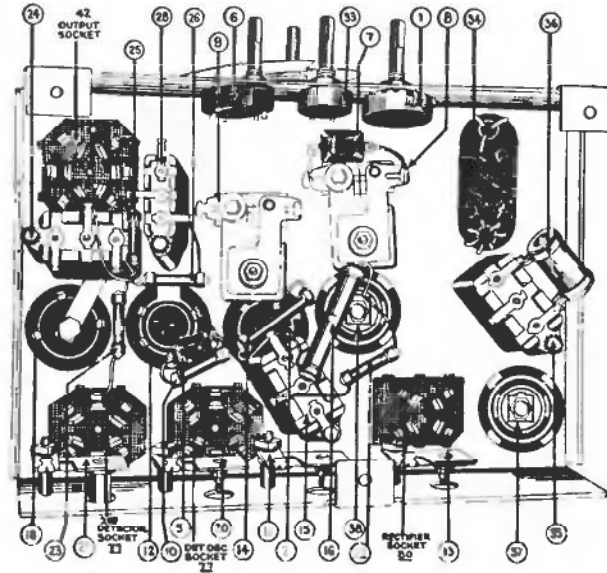
No. on Figs. 2 and 3	Description	Part No.	NET PRICE	No. on Figs. 2 and 3	Description	Part No.	NET PRICE	DEALER NET PRICE
(1)	Volume Control—Combined with On-Off Switch	7439	.51	(25)	Condenser (.015 Mfd.)	3793-B	.10	
(2)	Antenna Transformer	05831	.24	(26)	Resistor (490,000 Ohms)	4517*	.12	
(3)	Tuning Condenser Assembly	05794	1.50	(27)	Condenser (.006 Mfd.)	7625-B*	.08	
(4)	Compensating Condenser—Antenna—Part of Tuning Con. Assembly			(28)	Output Transformer	2660	.76	
(6)	Condenser (710 Mmf.) White and Yellow	4520	.12	(29)	Voice Coil and Cone Assembly	02861	.36	
(7)	Resistor (10,000 Ohms)	4412	.12	(30)	Speaker Field and Bucking Coil Assembled with Pot	02677*	1.05	
(8)	Compensating Condenser—I.F. Primary	04000-A	.08	(31)	On-Off Switch Combined with Volume Control	7439	.51	
(9)	Oscillator Coil	05832	.39	(32)	Condenser (.01 Mfd.)	3903-AH*	.09	
(10)	Resistor (0,000 Ohms)	7501	.12	(33)	Power Transformer 50-60 Cycles	7421	1.65	
(11)	Condenser (.09 Twin)	4989-B	.14	(34)	Power Transformer 25-40 Cycles	7422	2.40	
(12)	Resistor (16,000 Ohms)	7500	.24	(35)	Power Transformer 50-60 Cycles, 230 Volts	7423	1.65	
(13)	Compensating Condenser Low Frequency	04000-S	.15	(36)	Electrolytic Condenser (8.0 Mfd.)	6707	.90	
(14)	Compensating Condenser—High Frequency—Part of Tuning Con. Assembly			(37)	Electrolytic Condenser (4.0 Mfd.)	7467	.75	
(15)	I.F. Transformer	05834	.75	(38)	Resistor (325 Ohms) Wire Wound	7465*	.08	
(16)	Resistor (4,000,000 Ohms) Mounted on I.F. Transformer	6010	.12	(39)	Electrolytic Condenser—Dry—(10 Mfd.)	7440*	.45	
(17)	Condenser (50 Mmf.) White—Mounted on I.F. Transformer	3774	.12	(40)	Condenser (.01 Mfd.)	3903-AJ*	.09	
(18)	Compensating Condenser—I.F. Secondary	04000-D	.06	(41)	Bezel	7417	.05	
(19)	Compensating Condenser	04000	.10	(42)	Dial Complete	05828	.12	
(20)	Resistor (1,000,000 Ohms)	4409*	.12	(43)	Tube Shield	7172	.06	
(21)	Resistor (10,000 Ohms)	4412	.12	(44)	Knob (Large)	03063	.05	
(22)	Condenser (1,000 Mmf.) Green and White	5215	.12	(45)	Knob (Small)	03064	.04	
(23)	Resistor (240,000 Ohms)	4410	.12	(46)	Knob Spring	5262	.21	per C
(24)	Pilot Light	6608	.09	(47)	Grid Clip	4897	.18	per C
				(48)	Four Prong Socket Assembly	5026	.05	
				(49)	Five Prong Socket Assembly	4956	.06	
				(50)	Six Prong Socket Assembly	6417	.06	
				(51)	Chassis Mounting Screw	W-567	1.44	per C
				(52)	Chassis Mounting Washer	W-315	.24	per C
				(53)	Rubber Washer	5189	1.80	per C
				(54)	Pilot Lamp Shield	5760	.24	per C

* A number of circuit changes were made on chassis of run No. 5 and above. This run number is rubber stamped in a star on the back of the chassis. Referring to Figs. 2 and 3, the condenser (27) connects to the B- end of resistor (26) instead of to ground. The bucking coil - that section of (30) in series with the voice coil - is shorted out. The 10 mfd. dry electrolytic condenser (37) is eliminated, and replaced with a substitute .015 section combined with (32), part 3793R. The .01 mfd. condenser (39) is eliminated. The positions of (19) (26) and (36) are changed in the chassis from that shown in Fig. 3.

Model 81



MODEL 81

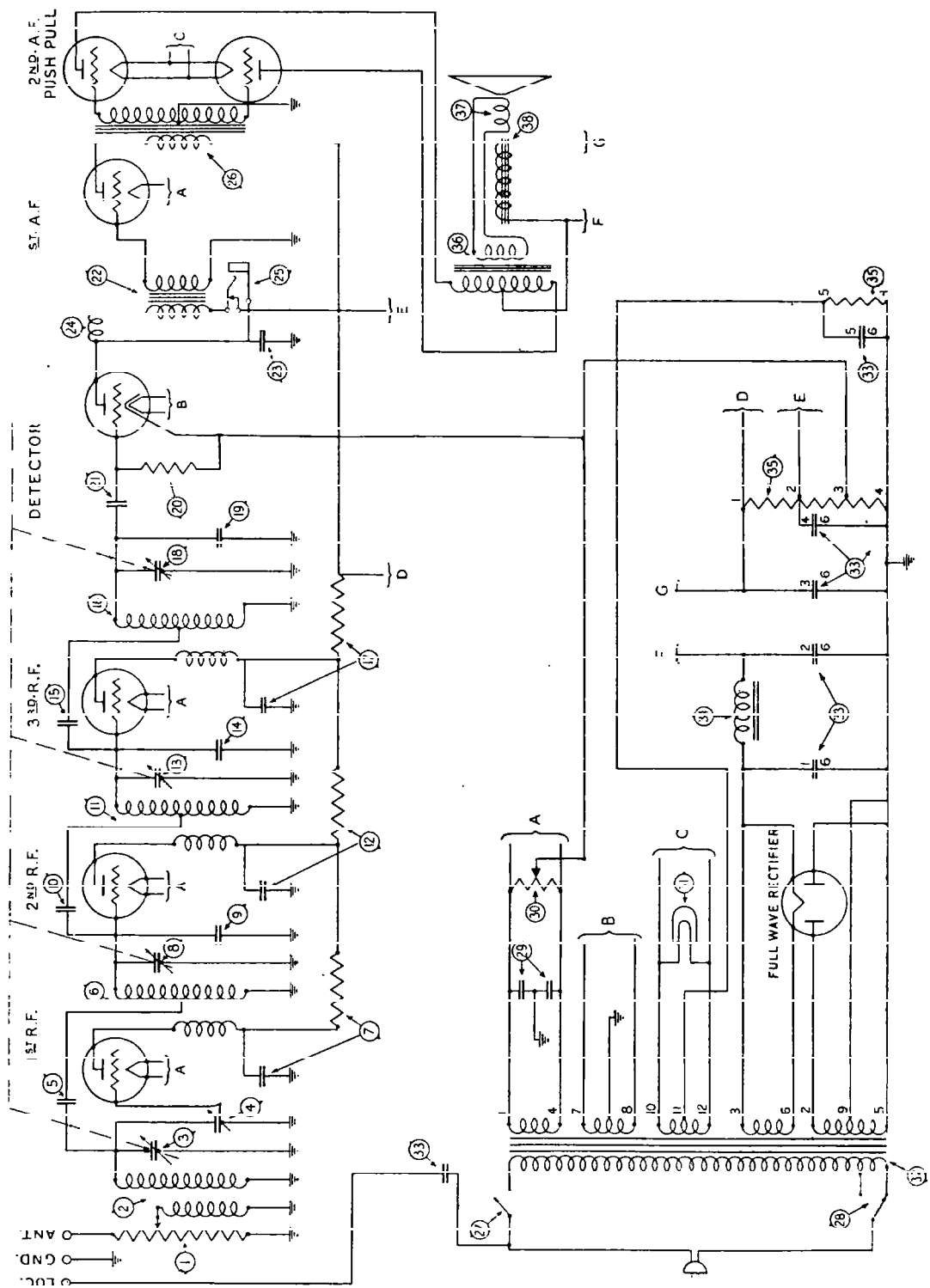


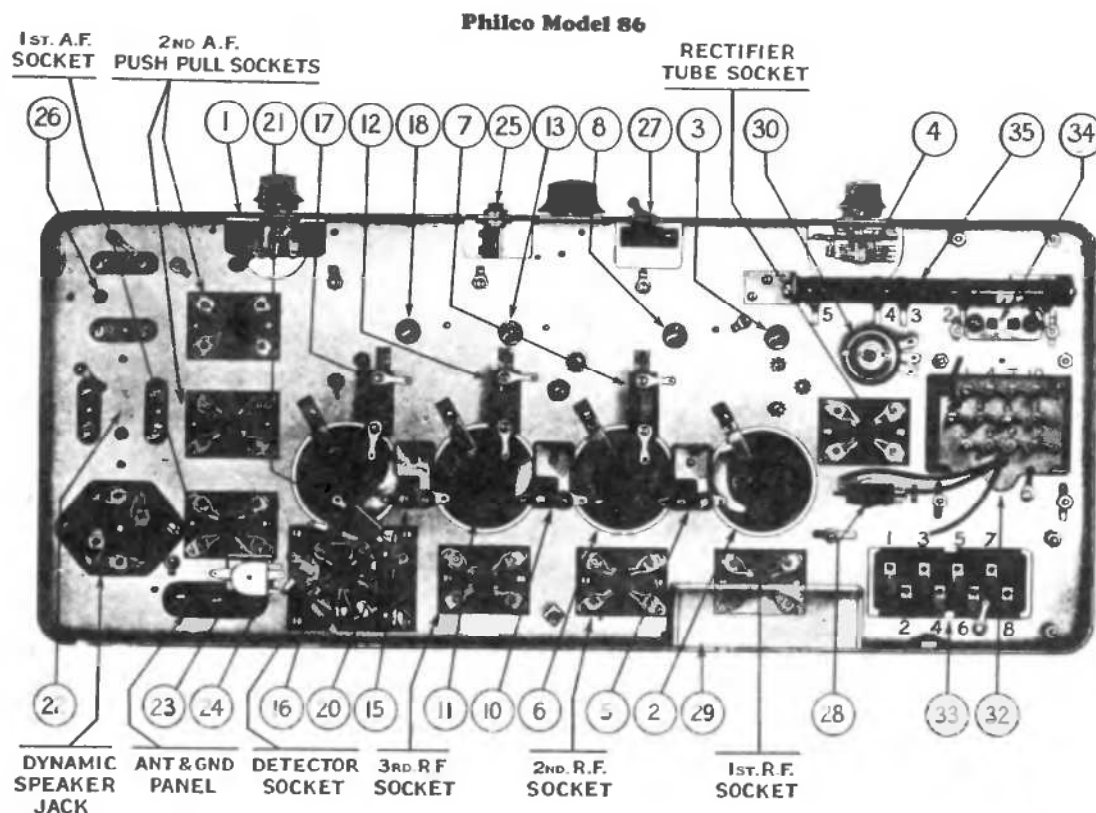
REPLACEMENT PARTS MODEL 81

No. on Figs.	Description	Part No.	NET PRICE	No. on Figs.	Description	Part No.	DEALER NET PRICE
①	Volume Control*	33-5002	.45	②⑥	Resistor (Yellow-White-Yellow)	4517	.12
②	Antenna Transformer	32-1030	.30	②⑧	Condenser	7625-B	.08
③	Tuning Cond. Assembly	31-1006		②⑨	Output Transformer	2660	.75
④	Compensating Condenser (Part of ③)			③⑥	Voice Coil and Cone Assembly	02861	.36
⑤	Cond. (Red and Black)	7007	.15	③①	Speaker Field and Bucking Coil (with Pot)	02667	1.20
⑥	Frequency Switch	42-1000	.39	③②	Pilot Light	6608	.09
⑦	Cond. (Orange and Yellow)	30-1000	.12	③③	"On-Off" Switch*	6416-W	.24
⑧	Compensating Condenser	04000-S	.15	③④	Power Transformer—50-60 Cycles	7421	1.65
⑨	Compensating Condenser	04000-X	.10		Power Transformer—25-40 Cycles	7422	2.40
⑩	Resistor (Blue-Black-Red)	7352	.10		Power Transformer—50-60 Cycles, 250 Volts	7423	1.65
⑪	Compensating Condenser (I.F. Primary)	04000-A	.08	③⑤	Condenser (Double)	3793-R	.15
⑫	Oscillator Coil	32-1031	.45	③⑥	Resistor (Wire Wound)	7465	.08
⑬	Compensating Condenser (Low Frequency)	04000-S	.15	③⑦	Electrolytic Condenser (8 Mfd.)	7558	.75
⑭	Resistor (White-Black-Red)	7501	.12	③⑧	Electrolytic Condenser (4 Mfd.)	7467	.75
⑮	Condenser	4989-B	.14		Bezel	7417	.05
⑯	Resistor (Brown-Blue-Orange)	7500	.24		Tube Shield	7172	.05
⑰	Compensating Condenser (Part of ⑮)				Knob (Large)	03063	.04
⑱	I.F. Transformer	06100	.75		Knob (Small)	03064	.04
⑲	Resistor (Mounted on I.F. Transformer)	6010	.12		Knob Spring	5262	per C .21
⑳	Compensating Condenser (I.F. Secondary)	04000-D	.06		Grid Clip	4897	per C .18
㉑	Compensating Condenser	04000	.10		Four Prong Socket Assembly	5026	.06
㉒	Resistor (Brown-Black-Green)	4409	.12		Six Prong Socket Assembly	6417	.06
㉓	Resistor (Brown-Black-Orange)	4412	.12		Chassis Mounting Screw	W-567	per C 1.44
㉔	Condenser (Double)	7762-B	.12		Chassis Mounting Washer	W-315	per C .24
㉕	Resistor (Red-Yellow-Yellow)	4410	.12		Pilot Lamp Shield	5760	

*On later production (run No. 3 and above, rubber stamped in a star on back of chassis) volume control ① and on-off switch ③③ was combined. This new volume control and on-off switch is Part Number 7439.

Philco Model 86

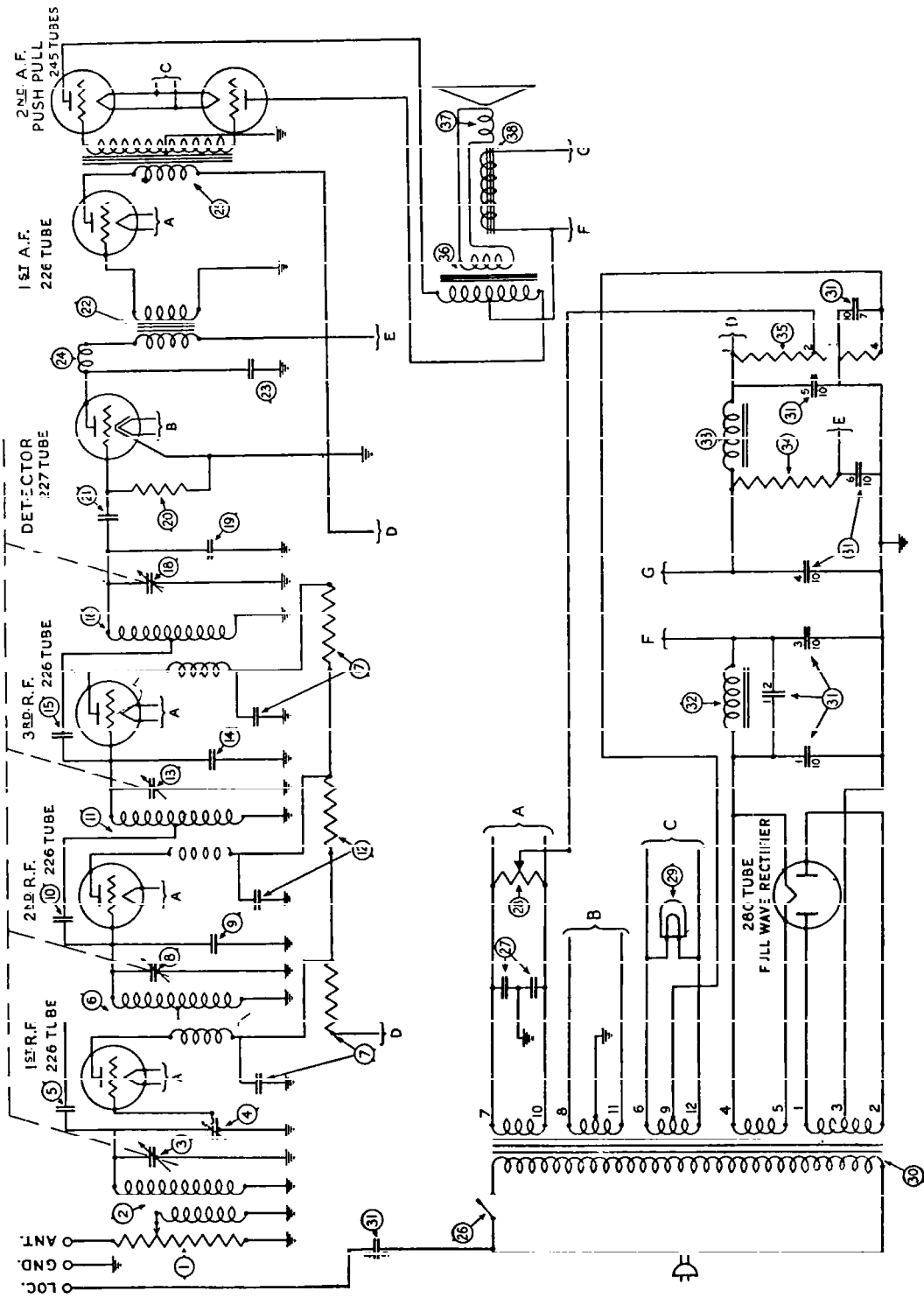




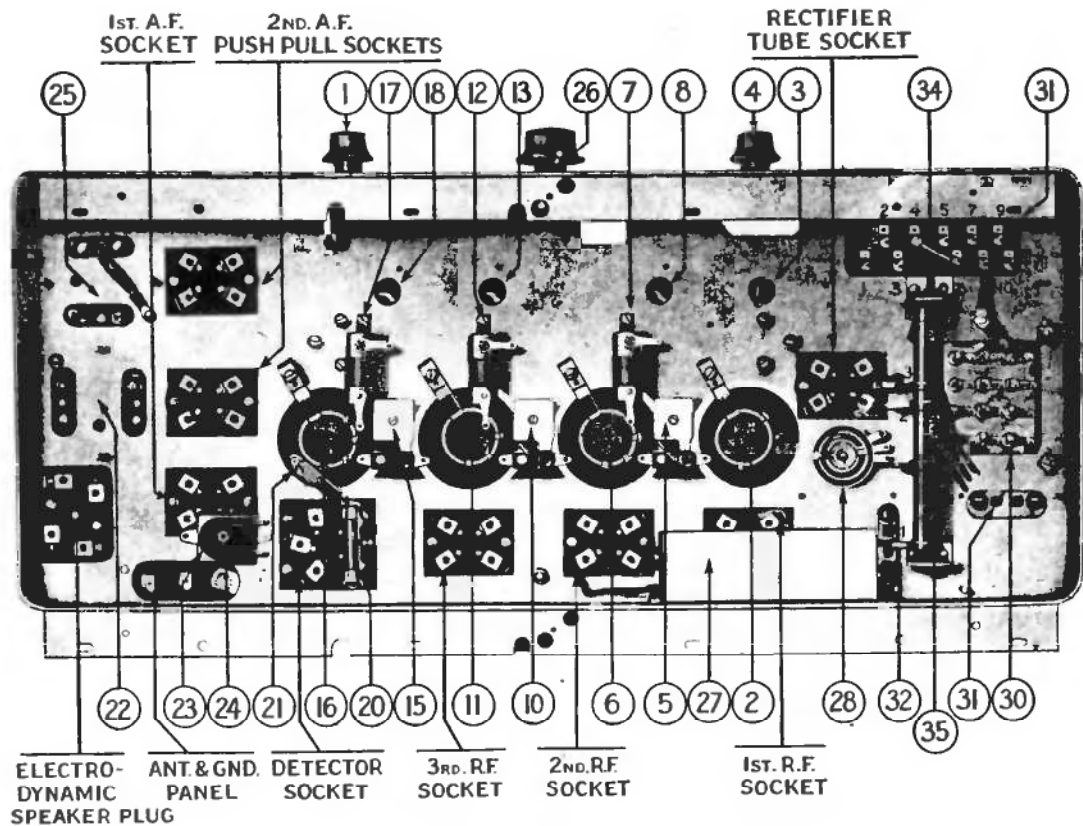
Replacement Parts for Model 86

PART NAME		DEALER	DEALER	
		PART NO.	NET PRICE	NET PRICE
1	Volume Control	3076	.84	2871-A .60
2	R. F. Transformer (Antenna Tuning)	3075-B	.60	2898 .33
3	Tuning Condenser (complete with drum and scale)	3001-B	8.10	2896 6.00
4	Range Control	3133		3012 .03
5	Neutralizing Condenser	3025-A	.18	3035-A .12
6	R. F. Transformer	3075-A	.60	3036-A .09
7	By-Pass Condenser (.1 mfd. with Plate Resistor Winding)	3292-A	.30	3051-A .18
8	Compensating Condensers	3282-A	.12	3054-A .24
9	Grid Leak	3083	.15	3103 .02
10	Grid Condenser	3082	.12	3164 .09
11	Audio Transformer	3241	1.65	3169-A .18
12	By-Pass Condenser (.001 mfd.)	3081	.15	3170-A .18
13	Detector R. F. Choke	3256-A	.15	3202-A .27
14	Phonograph Pick-Up Jack	3087	.24	3231 .06
15	Push-Pull Input Transformer	3242	1.65	3236-A .60
16	Power-Toggle Switch	3253	.24	3247-A .21
17	Primary Tap Switch	3116	.30	3263-A .75
18	Filament By-Pass Condenser (2 sections .5 mfd.)	3080	.27	3272 .04
19	6-Ohm Hum Adjuster	3096	.90	L-943-A .30
20	Pilot Lamp	3105	.18	L-1037 .30
21	Power Transformer (60 cycle)	3271	4.20	L-1039 .30
22	Filter Condenser Block (60 cycle)	3246	9.00	3312 1.20
23	Filter Choke Coil	3269	2.25	
24	R-C Section Resistor	3232	.96	
25	Push-Pull Output Transformer	2897	2.25	
26	Speaker Plug			2871-A .60
27	Speaker Cone and Voice Coil			2898 .33
28	Speaker Field Coil			2896 6.00
29	Cable Spring			3012 .03
30	Control Knob Tuning Condenser			3035-A .12
31	Control Knob (Volume and Range Control)			3036-A .09
32	226 Tube Socket			3051-A .18
33	Condenser Drive Cable			3054-A .24
34	Knob Spring			3103 .02
35	Fibre Adjusting Wrench			3164 .09
	280 Tube Socket			3169-A .18
	171 Tube Socket			3170-A .18
	Pilot Lamp Socket Assembly			3202-A .27
	Jack Insulator Nut			3231 .06
	Terminal Panel Assembly			3236-A .60
	Speaker Socket			3247-A .21
	227 Tube Socket, Spring Type			3263-A .75
	Jack Insulator			3272 .04
	A.C. Attachment Cord and Plug			L-943-A .30
	Wiring Cable			L-1037 .30
	Speaker Cable			L-1039 .30
	Socket Wrench for Speaker Mounting Bolts			3312 1.20
	Note:—When ordering replacements for 25-cycle Receivers (Model 83) use the following part numbers instead of those given above. All other part numbers remain the same.			
	Power Transformer (25 cycle)	3278	12.00	
	Filter Condenser Block (25 cycle)	3279	9.30	

Philco Model 87



Philco Model 87

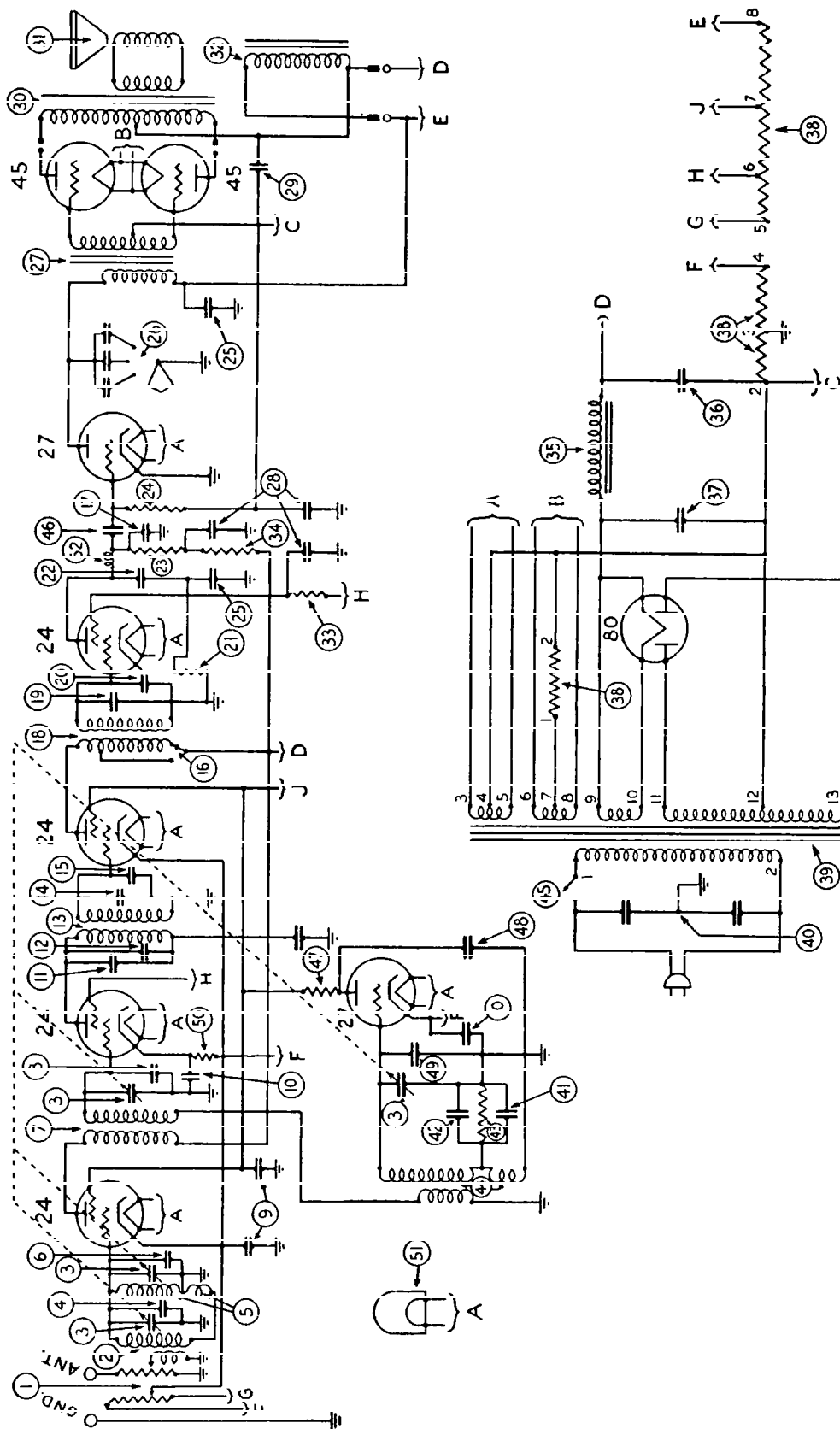


Replacement Parts for Model 87

PART NAME		PART NO.	DEALER NET PRICE	DEALER NET PRICE			
①	Volume Control	3076	.84	②① Detector Resistor	3542	.12	
②	R. F. Transformer (Antenna Tuning)	3075-B	.60	②② B-C Resistor	3399	.75	
③ - ⑤ - ⑬ - ⑭	Tuning Condenser (Complete with Drum and Scale)	3001-B	8.10	②③ Push-Pull Output Transformer	2848	1.20	
④	Range Control	3133		②④ Speaker Cone and Voice Coil	2844-A	.75	
⑤ - ⑥ - ⑩	Neutralizing Condenser	3441-A	.24	②⑤ Speaker Field Coil	2850	1.96	
⑥ - ⑬ - ⑭	R. F. Transformer	3075-A	.60		Speaker Plug	2871-A	.60
⑦ - ⑬ - ⑭	By-Pass Condenser (.1 mfd. with Plate Resistor Winding)	3292-A	.30		Cable Spring	3012	.03
⑧ - ⑬ - ⑭	Compensating Condensers	3435-A	.12		Control Knob Tuning Condenser	3301	.08
⑨	Grid Leak	3083	.15		Control Knob (Volume and Range Control)	3300	.05
⑪	Grid Condenser	3082	.12		Condenser Drive Cable	3484	per ft. .08 1/2
⑫	Audio Transformer	3241	1.65		Knob Spring	3305	.02
⑬	By-Pass Condenser (.001 mfd.)	3081	.15		Fibre Adjusting Wrench	3164	.09
⑭	Detector R. F. Choke	3256-A	.15		4-Hole Tube Socket	3423-A	.12
⑮	Push-Pull Input Transformer	3242	1.65		Pilot Lamp Socket Assembly	3202-A	.27
⑯	Power Toggle Switch	3501	.33		Terminal Panel Assembly	3236-A	.60
⑰	Filament By-Pass Condenser (2 Sections 5 mfd.)	3080	.90		Speaker Socket	3464-A	.21
⑱	6-Ohm Hum Adjustor	3096	.27		5-Hole Tube Socket	3442-A	.15
⑲	Pilot Lamp	3463	.09		A.C. Attachment Cord and Plug	L-943-A	.30
⑳	Power Transformer	3400	4.20		Speaker Cable	L-1056-A	.90
㉑	Filter Condenser Block	3401	7.60		Socket Wrench for Speaker Mounting Bolts	3312	1.20
㉒	Filter Choke Coil (First)	3422	1.50		Tuning Scale	3398	.06
㉓	Filter Choke Coil (Second)	3472	2.25		Oscillator Kit	3540	3.00
					Wood Switch Plug	3627	.09

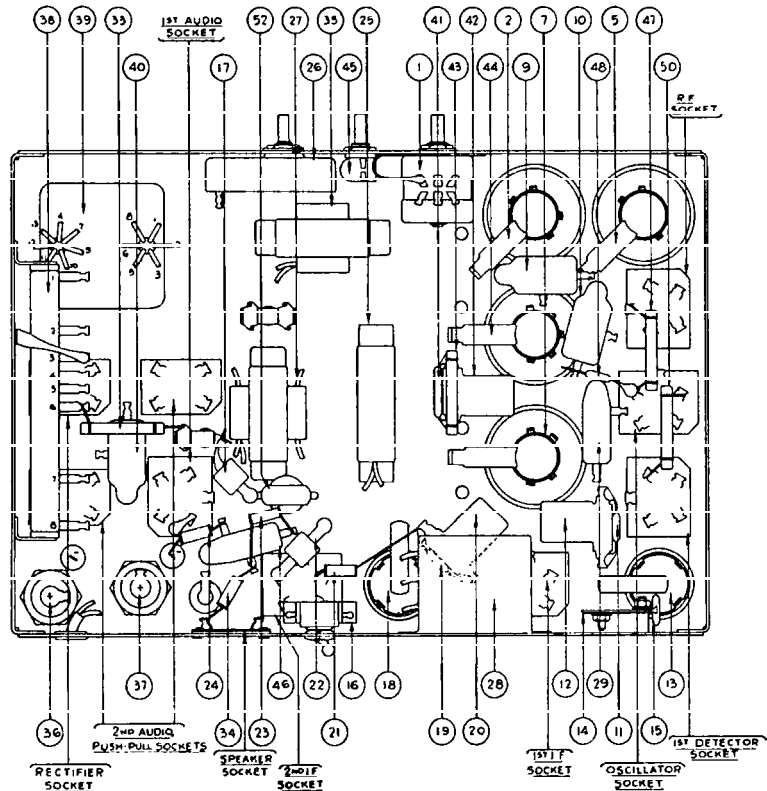
Models 90 and 90-A

WITH 2- TYPE 45 TUBES



Models 90 and 90-A

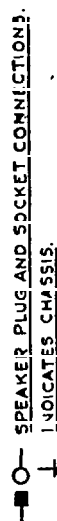
WITH 2- TYPE 45 TUBES



REPLACEMENT PARTS—MODELS 90 and 90-A RECEIVERS

No. on Fig. 3	Description	Part No.	Net Price	No. on Fig. 3	Description	Part No.	Net Price	Dealer Net Price
1	Volume Control	5039	.90	40	Condenser .015 M. F. (Double)	3793-E	.12	
2	1st I. F. Transformer	03013	.36	41	Condenser .0007 M. F. Assembled	03050	.21	
3	Gang Condenser—50 to 60 cycles	03001	3.75	42	Compensating Condenser	4007	.12	
4	Gang Condenser—25 to 40 cycles	03075	2.90	43	Resistor—50,000 Ohms	4007	.12	
5	Compensating Condenser (Part of Tuning Condenser Assembly)			44	Oscillator Coil	03016	.30	
6	2nd I. F. Transformer	03014	.24	45	On-Off Switch	4095	.30	
7	Compensating Condenser (Part of Tuning Condenser Assembly)			46	Condenser .001 M. F.	5215	.12	
8	1st Det. Transformer	03015	.30	47	Resistor—13,000 Ohms	3766	.12	
9	Compensating Condenser (Part of Tuning Condenser Assembly)			48	Condenser .00011 M. F.	4519	.11	
10	Compensating Condenser (Part of Tuning Condenser Assembly)			49	Compensating Condenser (Part of Tuning Condenser Assembly)			
11	Condenser .00 M. F. (Double)	4090-C	.15	50	Resistor—5,000 Ohms	3526	.12	
12	Condenser .09 M. F. (Double)	4989-B	.14	51	Pilot Bulb	3162	.09	
13	Fixed Condenser .00011 Assembled	3772-C	.15	52	R. F. Choke	03080	.21	
14	Compensating Condenser			53	Line Cord and Plug	L-943	per ft. .02 1/2	
15	1st I. F. Transformer	03009	.51	54	Tube Shield	03002	.16	
16	Compensating Condenser	03051	.15	55	Knob (large) Dial Control	4958-A	.04	
17	Fixed Condenser .00011 Assembled	03051	.15	56	Spring (L-1126)	4114	.01	
18	Normal Maximum Switch	3116	.30	57	Knobs (small) Tone and Volume Control	4959-A	.03	
19	Condenser (.000035 mf)	4990	.11	58	Knob (switch)	4290-A	.03	
20	2nd I. F. Transformer	03143	.60	59	Grid Clip	4897	per C .18	
21	Fixed Condenser .00011 Assembled	03051	.15	60	Speaker Plug and Cable	L-1124-A	.24	
22	Resistor—50,000 Ohms	4518	.12	61	Grommet for R. F. Transformer Shield	3747	.02	
23	Condenser .00035	4990	.11	62	Rectifier Tube Socket	5026	.06	
24	Resistor—250,000 Ohms	4410	.12	63	Four Prong Socket Assembly	4955	.06	
25	Resistor—1,000,000 Ohms	4409	.12	64	Pipe Prong Socket Assembly	4956	.06	
26	Condenser .5 M. F. (Double)	03024	.39	65	Speaker Bracket	4007	.25	
27	Tone Control	4037-A	.39	66	Volume Control Insulator	4092	.01	
28	1st Audio Transformer	4952	1.65	67	Volume Control Insulator	4286	.01	
29	Condensers 2—.25 M. F. and 1—.5 M. F.	03029	.60	68	Pushrod Clip	L-1126	.01	
30	Condenser .05 M. F.	3615-C	.10	69	Finishing Rosettes	4267	.02	
31	Output Transformer			70	Speaker Mounting Screws (3 used)	W-493	per C .21	
32	H ₁ (For Large Cone Assembly)	2848	1.20	71	Speaker Mounting Screws (1 used)	W-493	per C .22	
33	K ₁ (For Small Cone Assembly)	2746	1.20	72	Dial	5021	.22	
34	Voice Coil Assembly and Cone:			73	Mica for Gang Condenser Compensating	2472	.02	
35	H ₂ (Large Cone)	02997	.60	74	Insulating Washer for Compensating			
36	K ₂ (Small Cone)	02996	.45	75	Condenser	3500	.01	
37	Speaker Field—Assembled with Pot and Frame			76	Tuning Condenser Mounting Washer	3914	.02	
38	Resistor—250,000 Ohms	3708	.12	77	Tuning Condenser Mounting Washer	3915	.02	
39	Resistor—250,000 Ohms	4410	.12	78	Tuning Condenser Mounting Sleeve	3916	.01	
40	Filter Choke	4951	.90	79	Spring for Tuning Condenser	4255	.02	
41	Condenser .5 M. F. Electrolytic Type (50-60 cycles)	4918	1.06	80	Bezel	5009	.12	
42	Condenser 10 M. F. Electrolytic Type (25-40 cycles)	5142	1.20	81	Complete Pilot Bracket	03081-A	.20	
43	Condenser 6 M. F. Electrolytic Type (25-40) and (60-90) cycles	4910	1.05	82	Dial Disc	4920	.05	
44	B. C. Resistor	4953	.33	83	Light Shield Screen	4937	.02	
45	Power Transformer (50 to 60 cycles)	4938	4.20	84	Friction Drive Bracket	4930	.01	
46	Power Transformer (25 to 40 cycles)	4939	6.60	85	Brass Collar for Friction Drive	4935	.03	
47				86	Shaft	4951	.05	

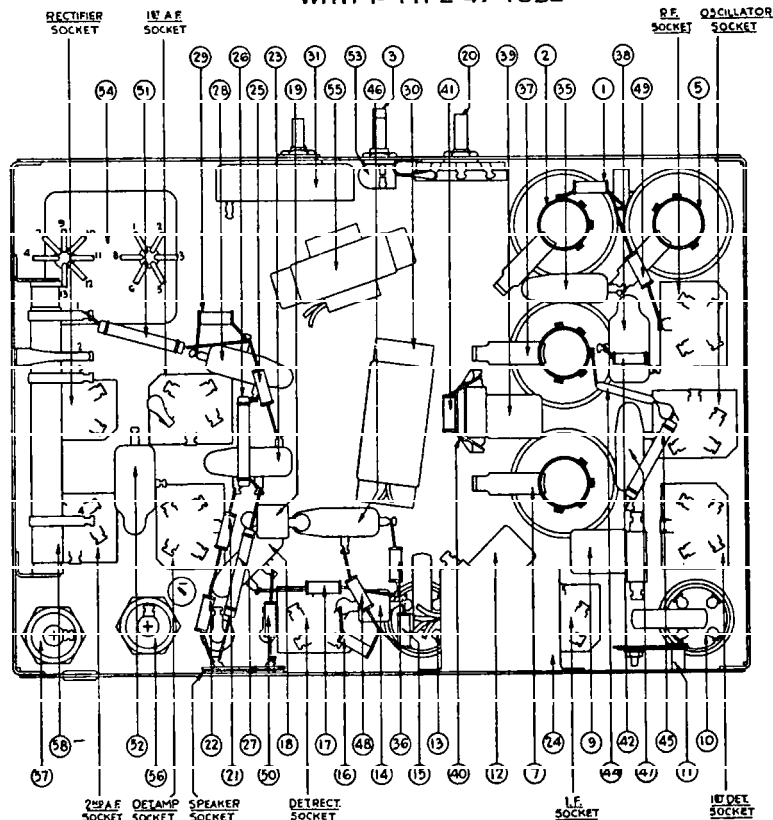
ABOVE: SERIAL NO. 237,001
WITH I-TYPE 47 TUBE



Models 90 and 90-A

ABOVE SERIAL NO. 237,001

WITH 1- TYPE 47 TUBE



REPLACEMENT PARTS—MODELS 90 and 90-A RECEIVERS

(Above Serial No. 237,001)

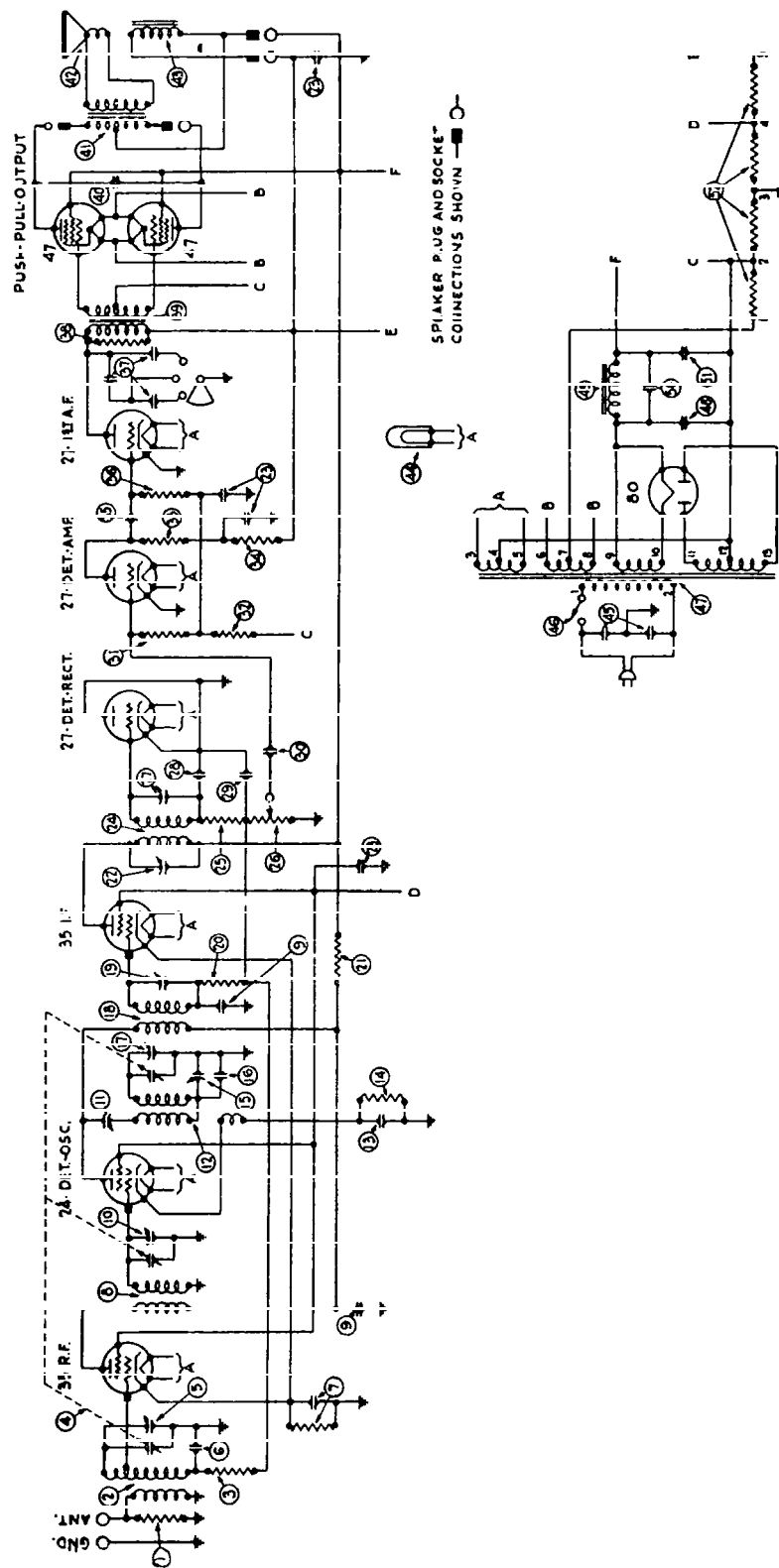
No. on Figs. 3 and 4	Description	Part No.	NET PRICE	No. on Figs. 3 and 4	Description	Part No.	DEALER NET PRICE
①	Resistor (10,000 ohms)	4412	.12	③	By-Pass Condenser (.09 mfd.) double	4989-G	.15
②	First I. F. Transformer	03360	.24	④	Compensating Condenser (Assembled)	03050	.21
③	Gang Condenser (50-60 cycles)	03001	3.75	⑤	Condenser (.0007 mfd.)	4518	.12
④	Gang Condenser (25-40 cycles)	03078	3.90	⑥	Resistor (51,000 ohms)	5310	.12
⑤	Compensating Condenser (part of gang condenser assembly)			⑦	Resistor (5,000 ohms)	5310	.12
⑥	Second R. F. Transformer	03014	.24	⑧	Compensating Condenser (part of tuning condenser assembly)		
⑦	Compensating Condenser (part of gang condenser assembly)			⑨	Condenser (110 mmf.)	4519	.11
⑧	First Detector Transformer	03015	.30	⑩	Resistor (51,000 ohms)	4237	.12
⑨	Compensating Condenser (part of gang condenser assembly)			⑪	By-Pass Condenser (.05 mfd.)	3615-H	.10
⑩	Compensating Condenser (First I. F. Primary)	03315	.12	⑫	By-Pass Condenser (.05 mfd.)	3615-E	.12
⑪	First I. F. Transformer	03009	.51	⑬	Resistor (490,000 ohms)	4517	.12
⑫	Compensating Condenser (First I. F. Secondary)	03315	.12	⑭	Resistor (70,000 ohms)	5385	.12
⑬	Compensating Condenser (Second I. F. Primary)	03317	.12	⑮	Resistor (70,000 ohms)	5385	.12
⑭	Second I. F. Transformer	03345	.46	⑯	Resistor (240,000 ohms)	3768	.12
⑮	Condenser (110 mmf.)	4519	.11	⑰	Condenser (.015 mfd.) double	3793-E	.12
⑯	Resistor (51,000 ohms)	4518	.12	⑱	On-Off Switch	4095	.30
⑰	Resistor (51,000 ohms)	4518	.12	⑲	Power Transformer (50-60 cycles)	5362	2.75
⑱	Resistor (99,000 ohms)	4411	.12	⑳	Power Transformer (25-40 cycles)	5363	6.00
⑲	By-Pass Condenser (.01 mfd.)	3903-M	.10	㉑	Power Transformer (50-60 cycles, 220 volts)	5364	4.20
㉑	Condenser (.0002 mfd.)	03055	.12	㉒	Choke	4501	.60
㉒	Volume Control	5366	.66	㉓	Condenser (6 mfd.) Electrolytic type (50-60 cycles)	4916	1.05
㉓	Resistor (51,000 ohms)	4518	.12	㉔	Condenser (10 mfd.) Electrolytic type (50-60 cycles)	5112	1.20
㉔	Resistor (70,000 ohms)	5385	.12	㉕	Condenser (6 mfd.) Electrolytic type (50-60 cycles)	4915	1.05
㉕	By-Pass Condenser (.01 mfd.)	3903-M	.10	㉖	Condenser (10 mfd.) Electrolytic type (50-60 cycles)	5112	1.20
㉖	Condenser (1-1 mfd., 1-13 mfd., 2-25 mfd.)	03325	.39	㉗	B. C. Resistor	5365	.24
㉗	Resistor (240,000 ohms)	4410	.12	㉘	Line Cord and Plug	L-943	per ft. .021
㉘	Resistor (25,000 ohms)	3656	.12	㉙	Tube Shield (Large)	03373	.22
㉙	Resistor (25,000 ohms)	3656	.12	㉚	Tube Shield (21 type)	03373	.22
㉚	By-Pass Condenser (.01 mfd.)	3903-P	.12	㉛	Pilot Bulb	2463	.09
㉛	Condenser (.25 mfd., 1 mfd.)	03327	.60	㉜	Pilot Bracket Complete	03081-A	.20
㉜	Resistor (240,000 ohms)	4410	.12	㉝	Knob (Large)	4958-A	.04
㉝	Tone Control	4037-A	.39	㉞	Knob (Small)	4958-A	.03
㉞	Output Transformer	2673	1.20	㉟	Knob (Switch)	4290-A	.03
㉟	Voice Coil Assembly and Cone H ₂ (Large Cone)	02997	.60	㊱	Spring (For small knobs)	4147	.01
㊱	K ₂ (Small Cone)	02996	.45	㊲	Spring (For large knobs)	5262	per C .21
㊲	Speaker Field (Assembled with pot and frame)			㊳	Grid Clip	4897	per C .18
㊳	By-Pass Condenser (.05 mfd.)	3615-W	.10	㊴	Five Prong Socket Assembly	4956	.06
㊴	Resistor (490,000 ohms)	4517	.12	㊵	Four Prong Socket Assembly	4955	.06
㊵	Oscillator Coil	03016	.30	㊶	Volume Control Insulator	1052	.01
				㊷	Dial	5021	.22
				㊸	Light Shield Screen	4937	.02
				㊹	Bezel	5009	.12

MODEL 90

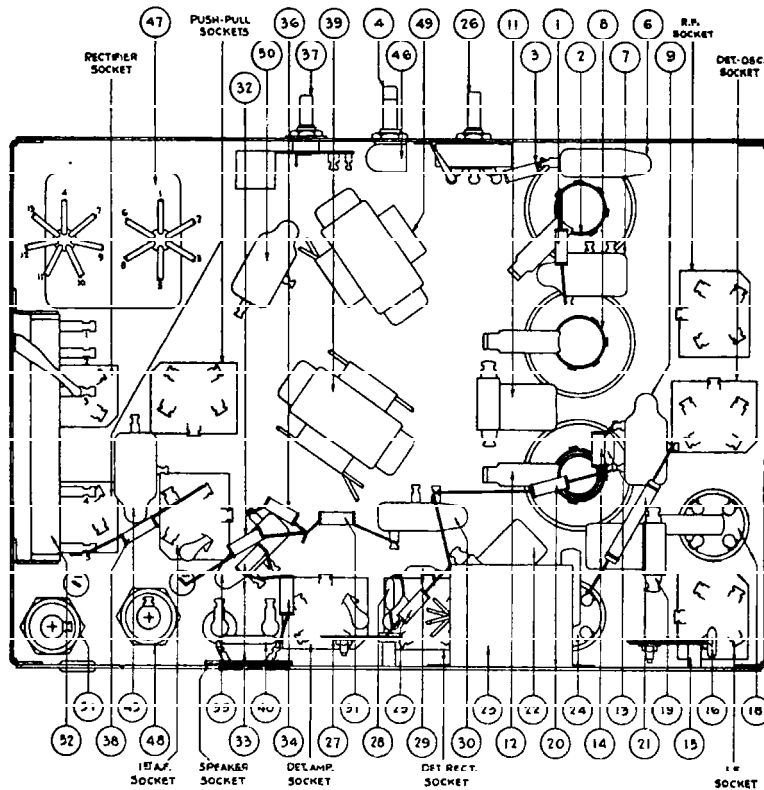
WITH 2- TYPE 47 TUBES

SERIAL NO. 32,001 TO B35,000

AND ABOVE B53,100



MODEL 90
WITH 2- TYPE 47 TUBES
SERIAL No. 32,001 TO 835,000 AND ABOVE B53,100

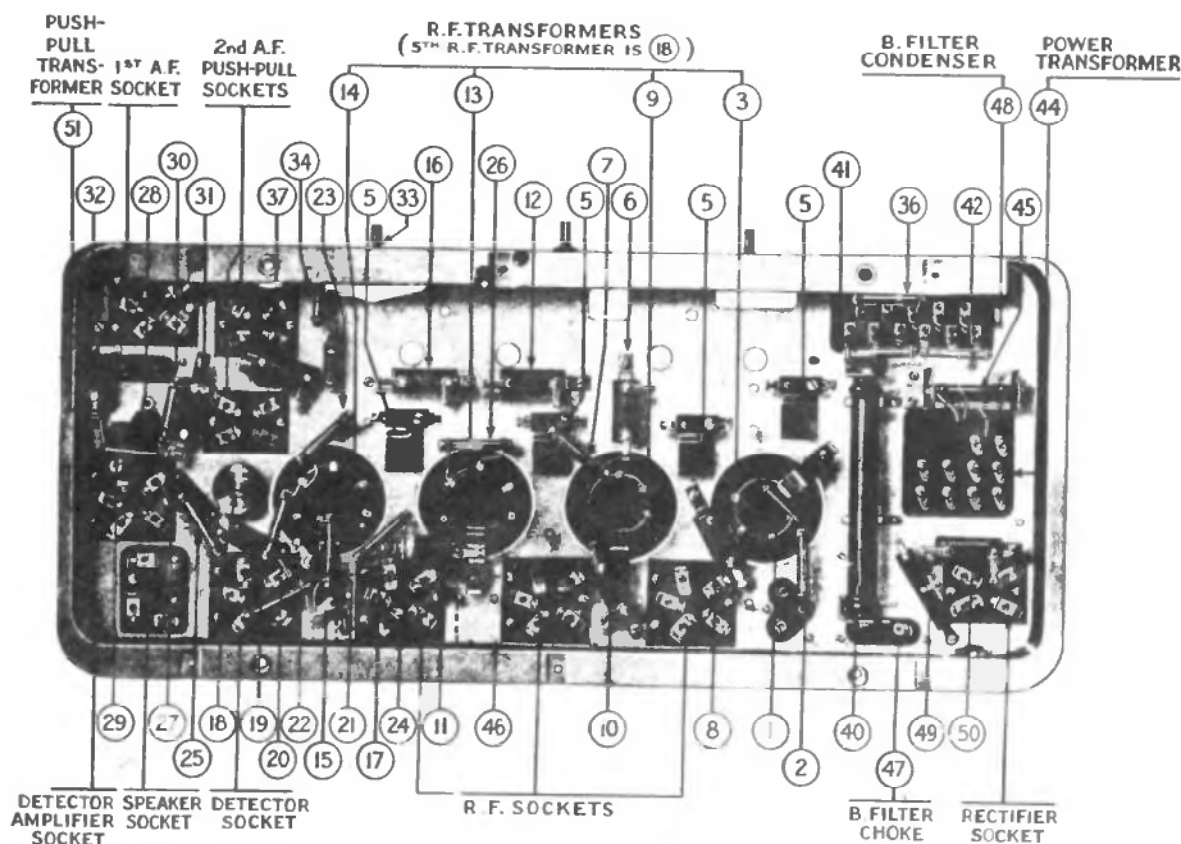


MODEL 90 REPLACEMENT PARTS

No. on Fig. 1 and 2	Description	Part No.	DEALER NET PRICE	No. on Fig. 1 and 2	Description	Part No.	DEALER NET PRICE
①	Resistor (10,000 Ohms)	4412	.12	②③	Resistor (25,000 Ohms)	4409	.12
②	Antenna Transformer	04317	.39	④	Resistor (25,000 Ohms)	4409	.12
③	Resistor (1,000,000 Ohms)	4408	.12	⑤	Condenser (.01 Mfd.)	3903-N	.12
④	Tuning Condenser (50-60 cycles)	04309	3.00	⑥	Resistor (1,000,000 Ohms)	4409	.12
⑤	Tuning Condenser (25-40 cycles)	04310	3.00	⑦	Tone Control	03137	.33
⑥	Compensating Condenser—Antenna— Part of Tuning Condenser Assembly			⑧	Resistor (51,000 Ohms)	4519	.12
⑦	Condenser (.05 Mfd.)	3615-L	.10	⑨	Push-Pull Input Transformer	6064	1.35
⑧	Condenser (.09 Mfd. and 200 Ohm Re- sistor)	4989-L	.15	⑩	Condenser (1,000 Mmf.) *	5215	.12
⑨	Detector Transformer	04408	.60	⑪	Push-Pull Output Transformer	2638	1.20
⑩	Condenser (.09 Mfd.)	3615-AJ	.15	⑫	Voice Coil and Cone Assembly	02874	.39
⑪	Compensating Condenser—Detector— Part of Tuning Condenser Assembly			⑬	Speaker Field Assembled with Pot	02892	3.00
⑫	Compensating Condenser—Coupling	04000-M	.10	⑭	Pilot Light	3463	na
⑬	Oscillator Coil	04409	.39	⑮	Condenser (.015 Mfd. Double)	3793-E	.12
⑭	Condenser (700 Mmf.)	4520	.12	⑯	On-Off Switch	4095	.30
⑮	Resistor (15,000 Ohms)	6208	.12	⑰	Power Transformer (50-60 cycles)	6072	3.00
⑯	Compensating Condenser—Low Frequency	04000-B	.11	⑱	Power Transformer (25-40 cycles)	6078	3.90
⑰	Condenser (410 Mfd.)	5120	.11	⑲	Power Transformer (50-60 cycles, 230 volts)	6074	4.20
⑱	Compensating Condenser—High Fre- quency—Part of Tuning Condenser Assembly			⑳	Electrolytic Condenser (2 Mfd.) 50-60 cycles	4916	1.05
⑲	First I.F. Transformer	04319	.45	㉑	Filter Choke	4819	.90
⑳	Compensating Condenser—First I.F.	04000-M	.10	㉒	Condenser (.15 Mfd.)	6287-B	.12
㉑	Resistor (1,000,000 Ohms)	4409	.12	㉓	Condenser (6 Mfd.)	4916	1.05
㉒	Resistor (1,000 Ohms)	4590	.12	㉔	B. C. Resistor	6071	.24
㉓	Compensating Condenser—Second I.F. Primary	04000-M	.10	㉕	Tube Shield	04311	.24
㉔	Condenser (2-.25, 2-.5 Mfd.)	04407	.60	㉖	Knob (Large)	03063	.05
㉕	Second I.F. Transformer	04320	.45	㉗	Knob (Small)	03064	.04
㉖	Resistor (99,000 Ohms)	4411	.12	㉘	Knob (Switch)	03437	.02
㉗	Volume Control	6015	.45	㉙	Knob Spring (Large)	5202	.21
㉘	Compensating Condenser (Second I.F. Secondary)	04000-M	.10	㉚	Knob Spring (Small)	4147	.01
㉙	Condenser (110 Mmf.)	4519	.11	㉛	Grid Clip	4897	.18
㉚	Condenser (110 Mmf.)	4519	.11	㉜	Two-Prong Socket Assembly	4555	per C .06
㉛	Condenser (.01 Mfd.)	3903-N	.10	㉝	Four-Prong Socket Assembly	5026	per C .05
㉜	Resistor (1,000,000 Ohms)	4517	.20	㉞	Dial Complete	03031	.36
㉝	Resistor (490,000 Ohms)	4516	.20	㉟	Bezel	5211	.03
				㊱	Chassis Mounting Screw (2 Used)	W-664	.02
				㊲	Chassis Mounting Screw (2 Used)	W-567	per C 1.44
				㊳	Mounting Washer	5052	per C .01
				㊴	Rubber Washer	5189	per C 1.80

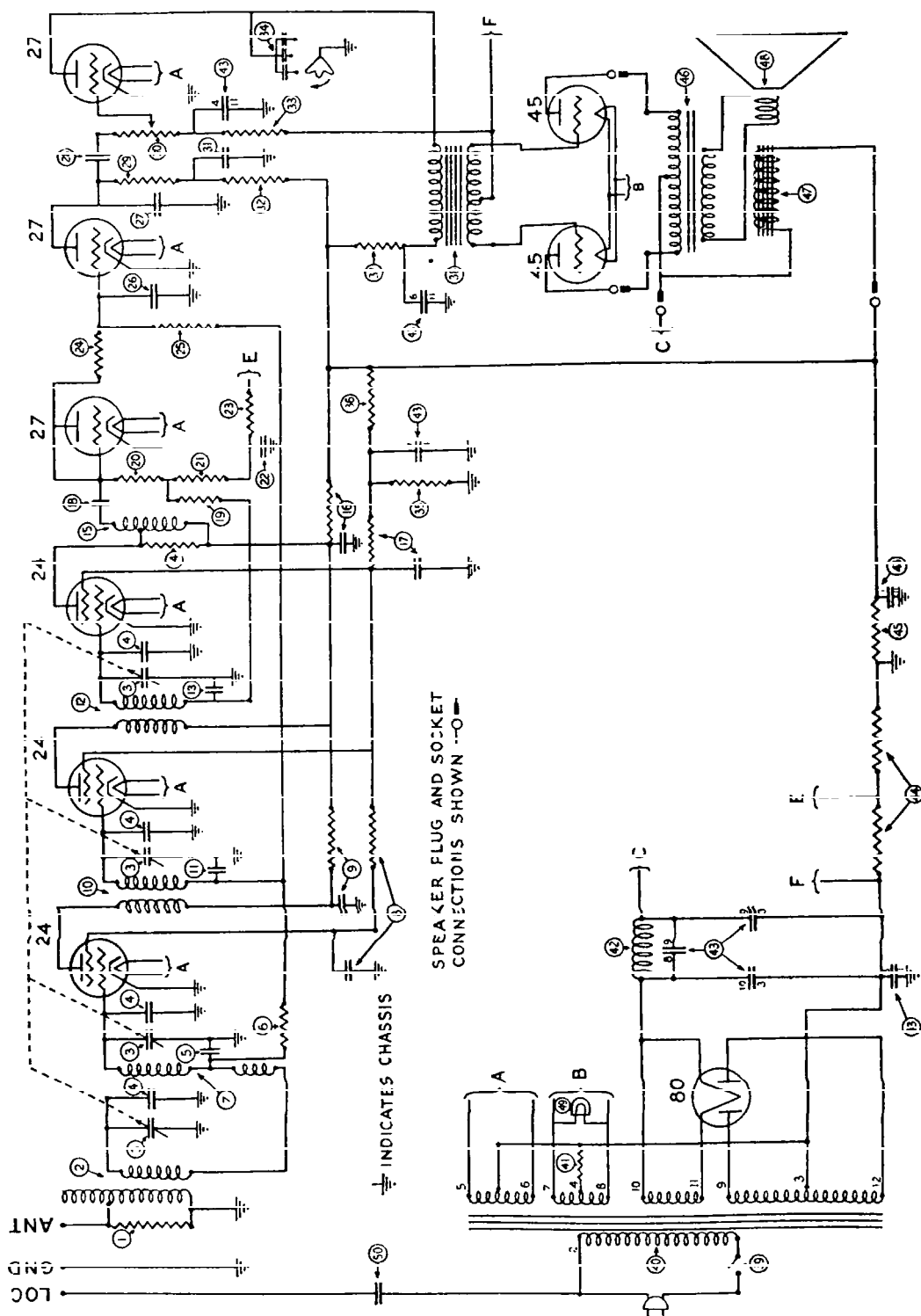
* This item omitted on later production.

Philco Model 95

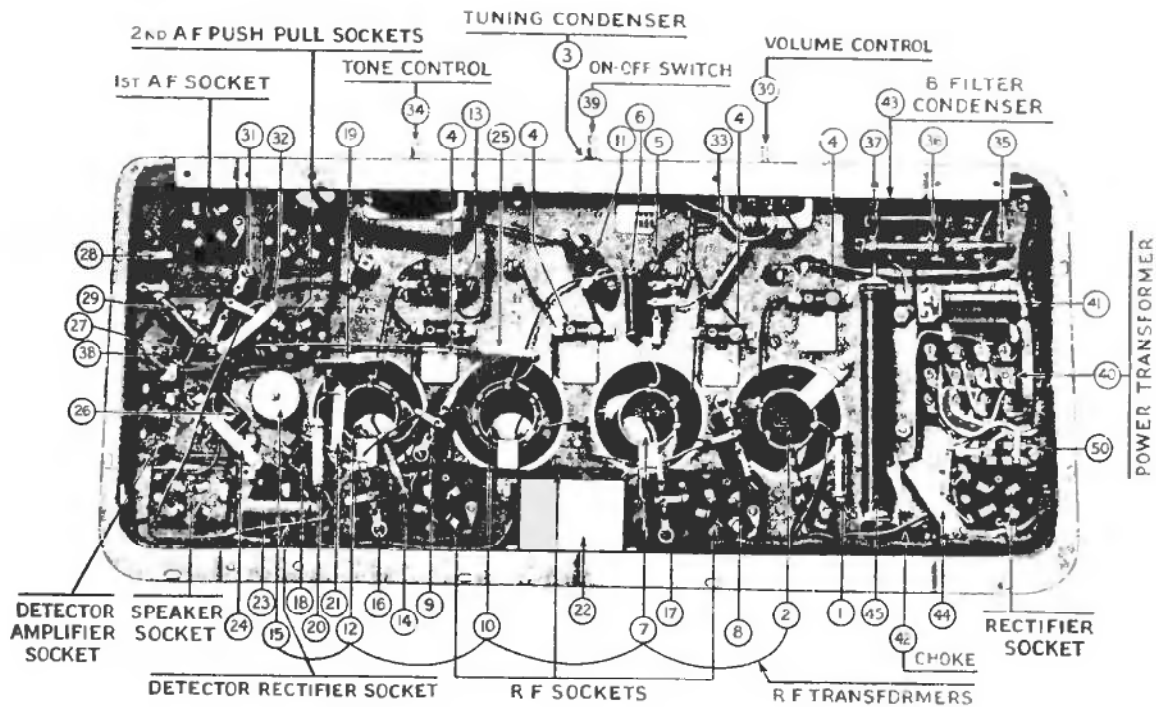


Replacement Parts for Model 95

NUMBER FROM DIAGRAM		FACTORY PART NO.	DEALER NET PRICE			DEALER NET PRICE	
①	Resistor	3777	.10	●	Resistor	3709	.12
②	Resistor	3526	.12	●	Resistor	3708	.12
③	1st R. F. Transformer	3744-A	.75	●	Condenser	3584-B	.15
④	Tuning Condenser	3376-D	6.00	●	Condenser	3788-A	.24
⑤	Compensating Condenser	3772-A	.08	●	Resistor (Volume Control)	3790	.93
⑥	Condenser	3788-A	.24	●	Resistor	3542	.12
⑦	Resistor	3542	.12	●	Push-Pull Output Transformer	2848	1.20
⑧	Condenser	3564-C	.15	●	Resistor	3656	.12
⑨	2d R. F. Transformer	3744-B	.60	●	Condenser	3788-A	.24
⑩	Condenser and Resistor	3787-A	.27	●	Speaker Cone and Voice Coil	2814-B	.90
⑪	Condenser and Resistor	3787-A	.27	●	Field Coil	2850	1.95
⑫	Condenser	3788-A	.24	●	Resistor	3762	.60
⑬	3d R. F. Transformer	3744-C	.90	●	Resistor	3766	.12
⑭	4th R. F. Transformer	3744-C	.90	●	Resistor	3542	.12
⑮	Condenser	3584-B	.15	●	On-Off Switch	3517	.36
⑯	Condenser	3788-A	.24	●	Power Transformer	3752	3.60
⑰	Resistor	4160	.12	●	Resistor	3763	.18
⑱	5th R. F. Transformer	3775-II	.42	●	Condenser (Filament By-Pass)	3557	.27
⑲	Condenser	3774	.15	●	Choke	3422	1.50
⑳	Resistor	3767	.12	●	B. Filter Condenser	3754	3.90
㉑	Resistor	3767	.12	●	Resistor	3764	.10
㉒	Resistor	3769	.12	●	Condenser for "Loc" Terminal	3768-A	.24
㉓	Condenser	3584	.24	●	Push-Pull Input Transformer	3537	2.10
㉔	Resistor	3768	.12	●	Local-Distance Switch	3773	.30
㉕	Resistor	3769	.12	●	Pilot Lamp	3463	.09
㉖	Condenser	3082	.12	●	Oscillator Kit	3549	3.00
㉗	Condenser	3082	.12	●	Cabinet Touch-up Kit	3809	10.00



Philco Model 96

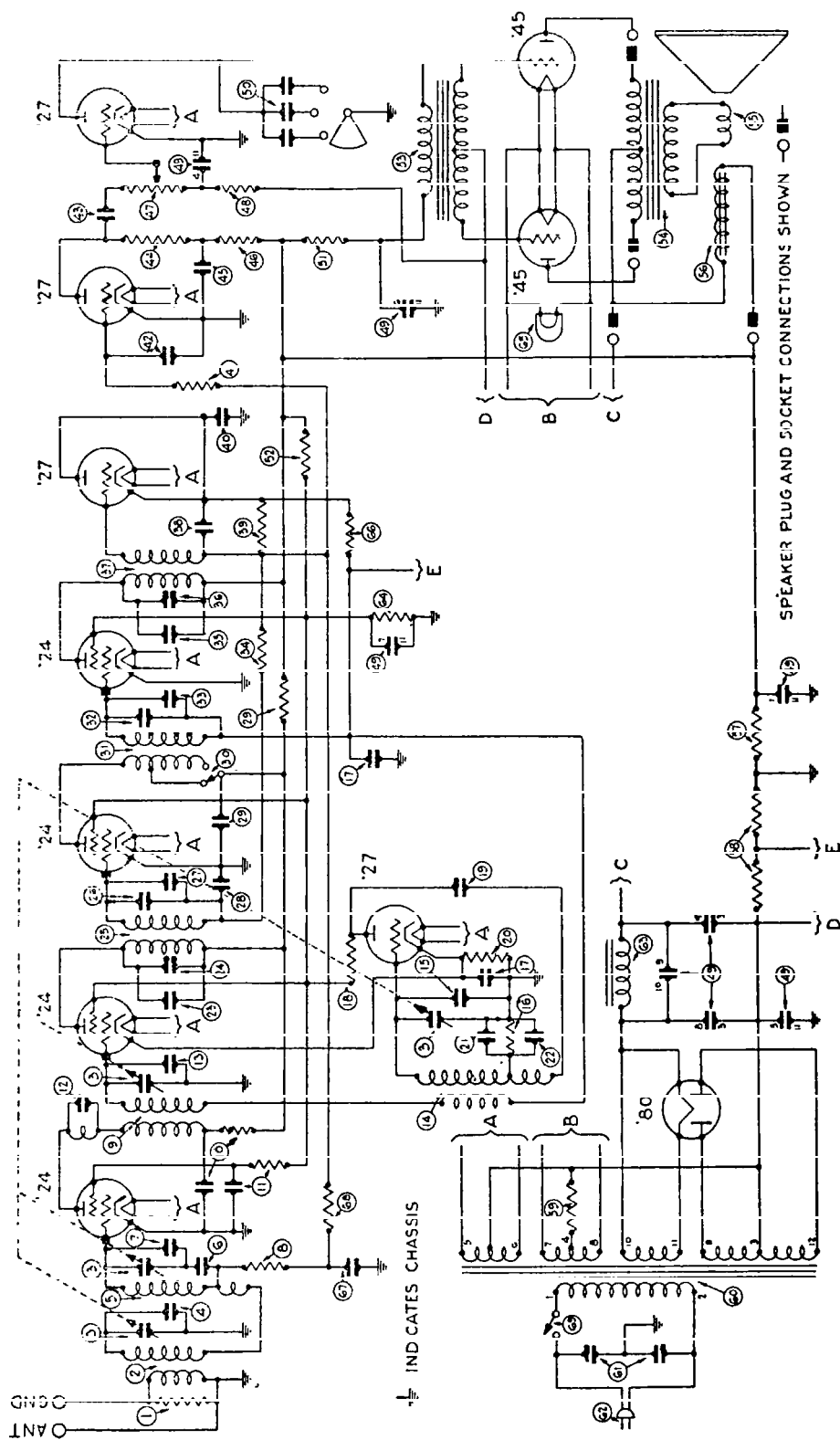


Replacement Parts for Model 96

No.	Description	Part No.	DEALER NET PRICE	No.	Description	Part No.	DEALER NET PRICE
1	Antenna Resistor	3526	.12	30	Volume Control	4093	.84
2	First R. F. Transformer	3744-A	.75	31	By-Pass Condenser	3615-D	.11
3	Tuning Condenser	4000-D	4.50	32	Resistor	3768	.12
4	Compensating Condenser	3772-A	.08	33	Resistor	3542	.12
5	By-Pass Condenser	3615-F	.12	34	Tone Control	4037-A	.39
6	Resistor	3542	.12	35	Resistor	3542	.12
7	Second R. F. Transformer	3744-B	.60	36	Resistor	3766	.12
8	By-Pass Condenser and Resistor	3615-C	.18	37	Resistor	3656	.12
9	By-Pass Condenser and Resistor	3615-B	.18	38	Input Transformer	3537	2.10
10	Third R. F. Transformer	3744-C	.90	39	On-Off Switch	4095	.30
11	By-Pass Condenser	3615-E	.12	40	Power Transformer (60 Cycle)	3752	3.60
12	Fourth R. F. Transformer	3744-C	.90	41	Power Transformer (25 Cycle)	3753	9.00
13	By-Pass Condenser	3615-E	.12	42	C Resistor	3763	.18
14	Resistor	3766	.12	43	Choke	3422	1.50
15	Fifth R. F. Transformer	3775-B	.42	44	Filter Condenser (60 Cycle)	3754	3.90
16	By-Pass Condenser and Resistor	3615-B	.18	45	Filter Condenser (25 Cycle)	3755	8.40
17	By-Pass Condenser and Resistor	3615-C	.18	46	Resistor	3764	.10
18	Condenser	3774	.15	47	B Resistor	3762	.60
19	Resistor	3769	.12	48	Out-Put Transformer	2848	1.20
20	Resistor	3767	.12	49	Field Coil	2850	1.95
21	Resistor	3767	.12	50	Voice Coil and Cone	2794-B	.60
22	By-Pass Condenser	3583	.24		Pilot Lamp	3463	.09
23	Resistor	3767	.12		Condenser (LOC)	3793-B	.10
24	Resistor	3768	.12		Knob (Vol. Control)	3579	.04
25	Resistor	3769	.12		Knob (Tuning Condenser)	3580	.07
26	By-Pass Condenser	3082	.12		Dial Indicator	4006	.05
27	By-Pass Condenser	3082	.12		Scale	4118	.18
28	Condenser	3793-C	.10		Speaker Plug and Cable (Short)	L-1101-A	.36
29	Resistor	3769	.12		Speaker Plug and Cable (Long)	L-1102-A	.72

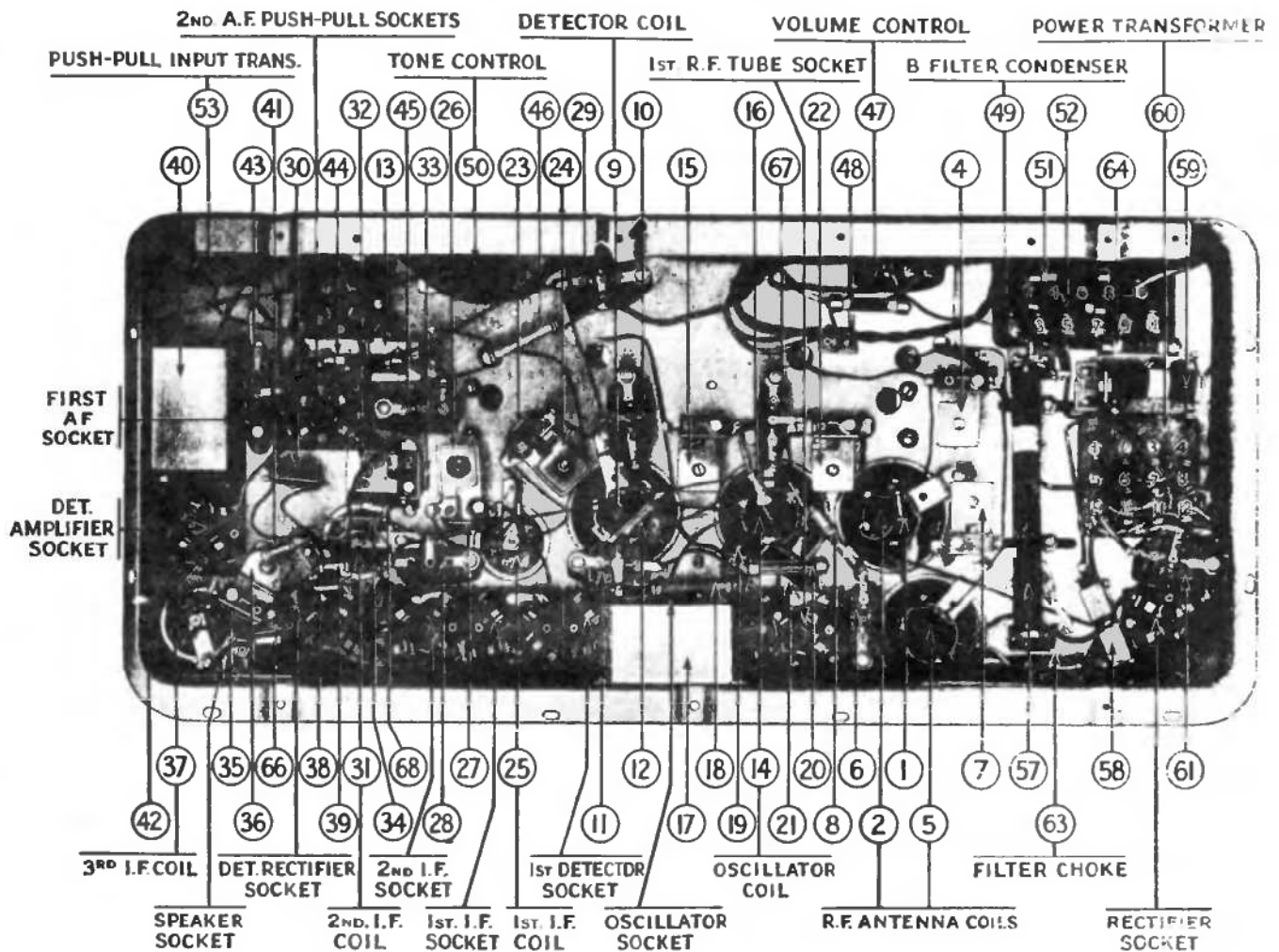
NOTE: The first two Compensating Condensers ④ are 3772-A; the third and fourth Condensers are 3968-A.

MODELS 111 AND 111-A



NOTE: The connection shown between Condenser No. 7 and Condenser No. 10 should also be connected to ground.

Models 111 and 111-A

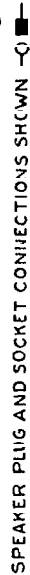


REPLACEMENT PARTS

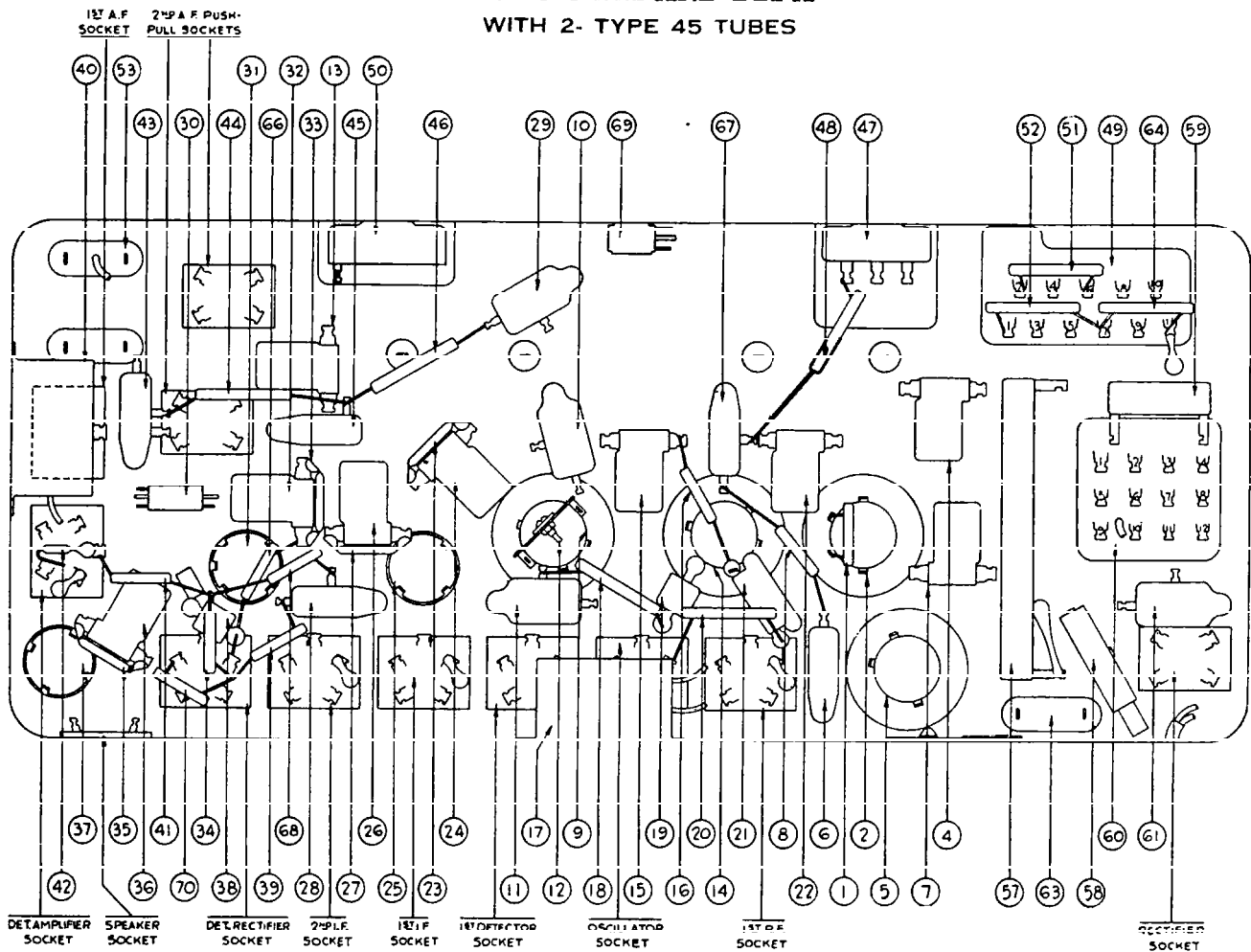
No. on Figs. 3 and 4	Description	Part No.	NET PRICE
①	Resistor—10,000 Ohms	4412	.12
②	1st R. F. Coil	5554-J	.39
③	Tuning Condenser	4000-D	4.50
④	Compensating Condenser	3772-A	.08
⑤	2nd R. F. Coil	5584-T	.27
⑥	Condenser—.05	3615-L	.10
⑦	Compensating Condenser	3968-A	.12
⑧	Resistor—100,000 Ohms	4411	.12
⑨	1st Detector Coil	3384-V	.48
⑩	Condenser—.05 and 250 Ohms	3615-C	.11
⑪	Condenser—.05 and 250 Ohms	3615-C	.11
⑫	Coupling Condenser	3969-A	.09
⑬	Compensating Condenser	3963-A	.12
⑭	Oscillator Coil	3554-U	.36
⑮	Compensating Condenser	3968-A	.12
⑯	Resistor—50,000 Ohms	1518	.12
⑰	Condenser—.25 double	3557	.27
⑱	Resistor—13,000 Ohms	3768	.12
⑲	Condenser—.00011	4510	.11
⑳	Resistor—1,000 Ohms	4500	.12
㉑	Condenser—.0007	4520	.12
㉒	Compensating Condenser	3772-B	.08
㉓	Condenser—.00011	4819	.11
㉔	Compensating Condenser	3772-C	.15
㉕	1st I. F. Coil	4501-B	.60
㉖	Compensating Condenser	3772-C	.15
㉗	Condenser—.0001	4519	.11
㉘	Condenser—.05	3615-J	.11
㉙	Condenser—.05 and 250 Ohms	3615-B	.18
㉚	Range Switch	3116	.30
㉛	2nd I. F. Coil	4501-C	.60
㉜	Compensating Condenser	3772-C	.15
㉝	Condenser—.00011	4519	.11
㉞	Resistor—600,000 Ohms	1517	.12
㉟	Condenser—.00005	4557	.12
㊱	Compensating Condenser	3772-D	.08
㊲	3rd I. F. Coil	4501-D	.60
㊳	Condenser—.00011	4519	.11
㊴	Resistor—100,000 Ohms	4411	.12

No. on Figs. 3 and 4	Description	Part No.	NET PRICE
㊵	Condenser—.5	3583	.24
㊶	Resistor—100,000 Ohms	1111	.12
㊷	Condenser—.00025	3082	.12
㊸	Condenser—.015	3762-B	.10
㊹	Resistor—500,000 Ohms	3760	.12
㊺	Condenser—.65	3615-S	.10
㊻	Resistor—250,000 Ohms	3768	.12
㊼	Volume Control	3553	.34
㊽	Resistor—70,000 Ohms	3512	.11
㊾	B Filter Condenser Block—50 cycles	3551	.10
㊿	B Filter Condenser Block—25 cycles	3552	.10
1	Tone Control	3057-A	.71
2	Resistor—25,000 Ohms	3550	.12
3	Resistor—25,000 Ohms	3550	.12
4	Push-pull Input Transformer	3557	2.10
5	Push-pull Output Transformer	3558	1.20
6	Voice Coil and Cone Assembly	2764-B	.50
7	Field Coil	2580	.95
8	B Resistor—10,000 Ohms	4512	.11
9	C Resistor	3761	.11
10	C Resistor—800 Ohms	3761	.15
11	Power Transformer—60 cycles	4446	1.40
12	Power Transformer—25 cycles	4447	1.40
13	Condenser—.015 double	3760-E	.12
14	A C Cord and Plug	1-213-A	.10
15	Filter Choke	3422	1.50
16	Resistor—70,000 Ohms	3552	.12
17	Pilot Lamp	3163	.05
18	Resistor—100,000 Ohms	4411	.12
19	Condenser—.05	3615-D	.11
20	Resistor—100,000 Ohms	4411	.12
21	On-Off Switch	1005	.30
22	Insulator for Part Nos. 3557-3583	4065	.02
23	Pilot Bracket Assembly	1027-A	.10
24	Bolt for Pilot Bracket Assembly	W-139	.12
25	Tone Control Nut	W-134	.10
26	By-pass Condenser Mounting Bolt	W-143	1.20
27	Bottom Shield Bolt	W-453	.02
28	Chassis Mounting Bolt	W-468	2.10

WITH 2- TYPE 45 TUBES



MODELS 112 AND 112-A WITH 2- TYPE 45 TUBES

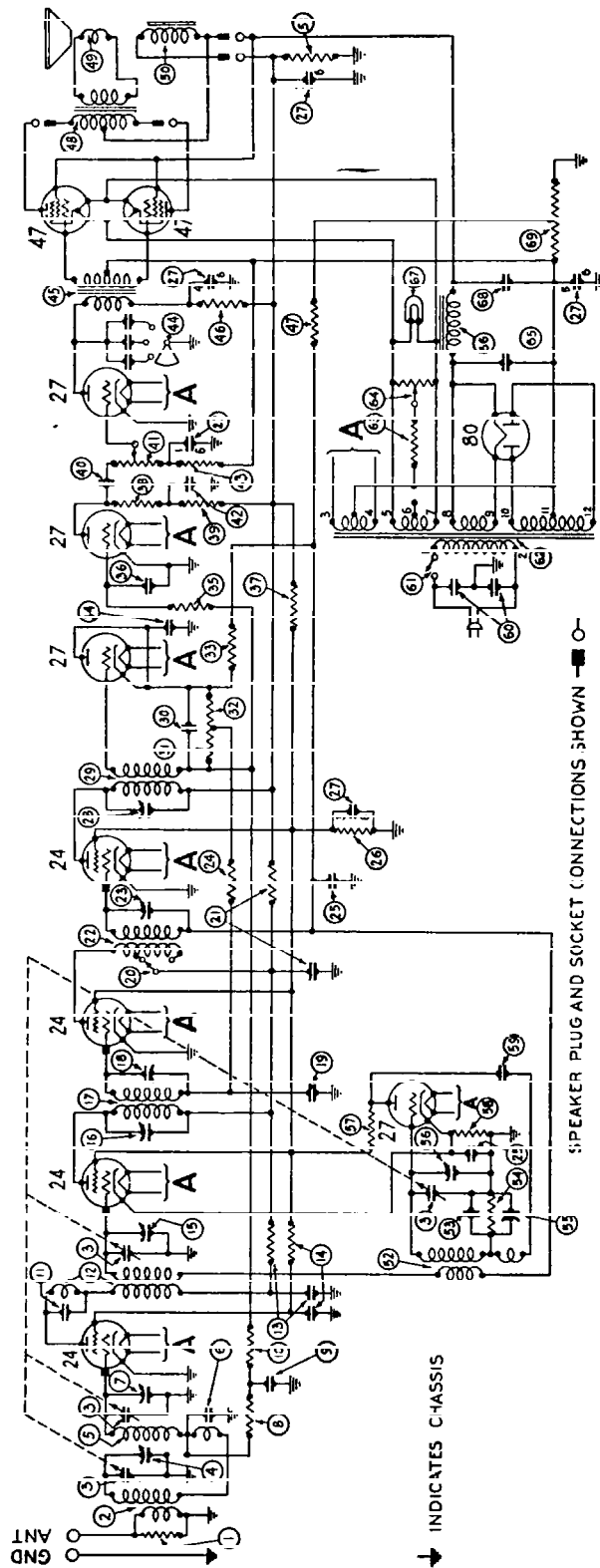


REPLACEMENT PARTS

No. on Fig. 3 and 4	Description	Part No.	NET PRICE	No. on Fig. 3 and 4	Description	Part No.	NET PRICE
1	Resistor—10,000 Ohms	4412	.12	35	Condenser—.5	3583	.24
2	1st R. F. Coil	3884-J	.39	36	Resistor—100,000 Ohms	4411	.12
3	Tuning Condenser	4000-D	4.50	37	Condenser—.00025	3062	.12
4	Compensating Condenser	3772-A	.05	38	Condenser—.015	3703-D	.10
5	2nd R. F. Coil	3884-T	.27	39	Resistor—500,000 Ohms	3763	.12
6	Condenser—.05	3615-L	.10	40	Condenser—.05	3615-S	.10
7	Compensating Condenser	3968-A	.12	41	Resistor—250,000 Ohms	3768	.12
8	Resistor—100,000 Ohms	4411	.12	42	Volume Control	4037-A	.39
9	1st Detector Coil	3584-V	.48	43	Resistor—70,000 Ohms	3542	.12
10	Condenser—.05 and 250 Ohms	3615-C	.18	44	B Filter Condenser Block—60 cycles	3754	3.90
11	Condenser—.05 and 250 Ohms	3615-C	.18	45	B Filter Condenser Block—25 cycles	3755	8.40
12	Coupling Condenser	3892-A	.09	46	Tone Control	4037-A	.39
13	Compensating Condenser	3968-A	.12	47	Resistor—25,000 Ohms	3656	.12
14	Oscillator Coil	3584-U	.36	48	Resistor—25,000 Ohms	3656	.12
15	Compensating Condenser	3968-A	.12	49	Push-pull Input Transformer	3537	2.10
16	Resistor—50,000 Ohms	4518	.12	50	Push-pull Output Transformer	2848	1.20
17	Condenser—.25 audio	3537	.21	51	Voice Coil and Cone Assembly	2704-B	.60
18	Resistor—13,000 Ohms	3766	.12	52	Field Coil	2850	1.95
19	Condenser—.00011	4519	.11	53	B Resistor—10,000 Ohms	4532	.27
20	Resistor—1,000 Ohms	4590	.12	54	C Resistor	3764	.10
21	Condenser—.0007	3520	.12	55	C Resistor—500 Ohms	3663	.12
22	Compensating Condenser	3772-B	.08	56	Power Transformer—60 cycles	4446	3.60
23	Condenser—.00011	4519	.11	57	Power Transformer—25 cycles	4447	8.10
24	Compensating Condenser	3772-C	.15	58	Condenser—.015 double	3783-E	.12
25	1st L. F. Coil	3772-C	.15	59	1-250-A	4411	.20
26	Compensating Condenser	3772-C	.15	60	Filter Choke	3424	1.50
27	Condenser—.0001	4519	.11	61	Resistor—70,000 Ohms	3542	.12
28	Condenser—.05	3615-J	.11	62	Pilot Lamp	3463	.09
29	Condenser—.05 and 250 Ohms	3615-L	.18	63	Resistor—100,000 Ohms	4411	.12
30	Range Switch	3116	.30	64	Condenser—.05	3615-D	.11
31	2nd L. F. Coil	4501-C	.60	65	Resistor—100,000 Ohms	4411	.12
32	Compensating Condenser	3772-C	.15	66	On-Off Switch	4095	.30
33	Condenser—.00011	4519	.11	67	Resistor 50,000 Ohms	4518	.12
34	Resistor—500,000 Ohms	4517	.12	68	Insulator for Part Nos. 3557-3583	4105	.02
35	Condenser—.00005	4567	.12	69	Pilot Bracket Assembly	4027-A	.10
36	Compensating Condenser	3772-D	.08	70	Bolt for Pilot Bracket Assembly	W-439	per C .12
37	3rd L. F. Coil	4501-D	.60	71	Tone Control Nut	W-434	per C .75
38	Condenser—.00011	4519	.11	72	By-pass Condenser Mounting Bolt	W-433	per C 1.20
39	Resistor—50,000 Ohms	4518	.12	73	Bottom Shield Bolt	W-453	.02
				74	Chassis Mounting Bolt	W-468	per C 2.10

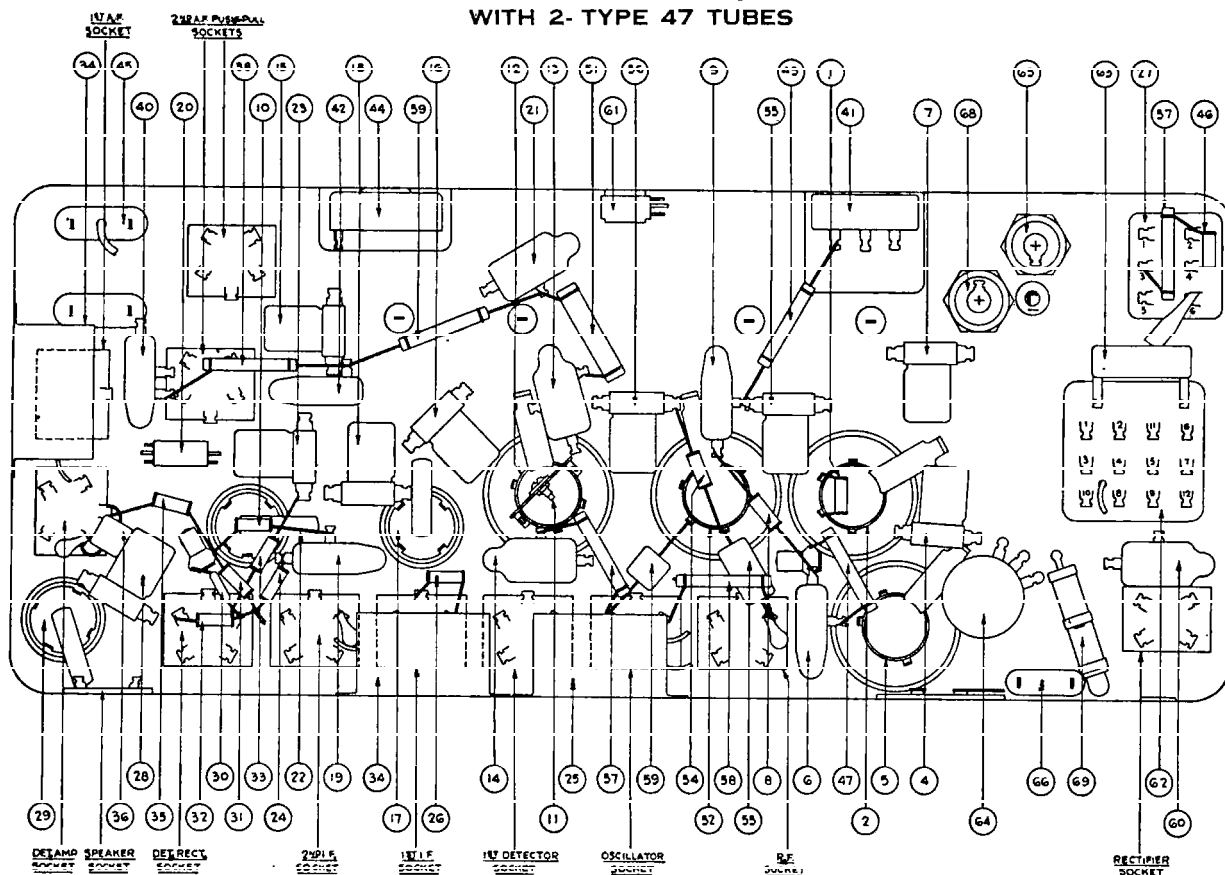
MODELS 112 AND 112-A (Above Serial No. 174,001)

WITH 2-TYPE 47 TUBES



(Above Serial No. 174,001)

WITH 2- TYPE 47 TUBES



(Above Serial No. 174,001)

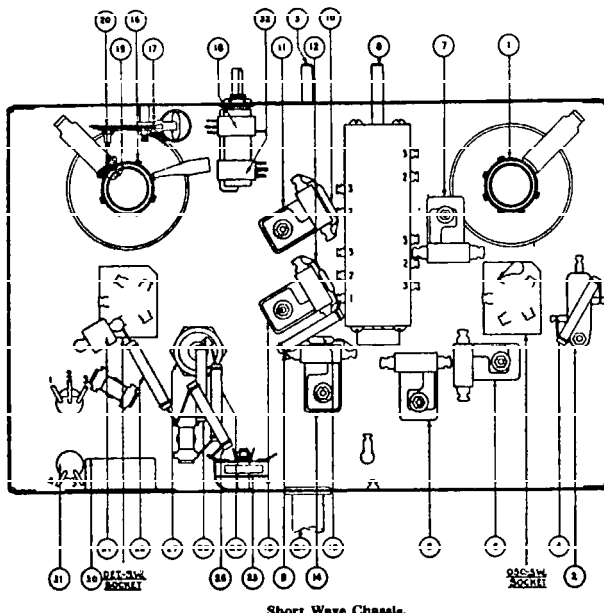
No. on Figs. 3 and 4	Description	Part No.
(1)	Resistor (10,000 ohms)	4412
(2)	First R. F. Coil	3884-S
(3)	Tuning Condenser	4000-D
(4)	Compensating Condenser	04000-E
(5)	Second R. F. Coil	3884-T
(6)	By-pass Condenser (.05 mfd.)	3615-J
(7)	Compensating Condenser	04000-D
(8)	Resistor (99,000 ohms)	4411
(9)	By-pass Condenser (.05 mfd.)	3615-D
(10)	Resistor (99,000 ohms)	4411
(11)	Grid leak	3582-A
(12)	First Detector Coil	3884-V
(13)	By-pass Condenser & Resistor (.05 mfd. and 250 ohms)	3615-Z
(14)	By-pass Condenser & Resistor (.05 mfd. and 250 ohms)	3615-B
(15)	Compensating Condenser	04000-E
(16)	Compensating Condenser	04000-J
(17)	First I. F. Transformer	03030
(18)	Compensating Condenser	04000-J
(19)	By-pass Condenser (.05 mfd.)	3615-J
(20)	Range Switch	3116
(21)	By-pass Condenser & Resistor (.05 mfd. and 250 ohms)	3615-B
(22)	Second I. F. Transformer	03030
(23)	Compensating Condenser	04000-J
(24)	Resistor (490,000 ohms)	4517
(25)	By-pass Condenser ($\frac{1}{4}$ mfd.)	3557
(26)	Resistor (70,000 ohms)	5385
(27)	Filter Condenser Block (50-60 cycles)	03489
(28)	Filter Condenser Block (25-40 cycles)	03559
(29)	Compensating Condenser	04000-L
(30)	Third I. F. Transformer	03040
(31)	Condenser (110 mmf.)	4519
(32)	Resistor (51,000 ohms)	4518
(33)	Resistor (51,000 ohms)	4518
(34)	Resistor (99,000 ohms)	4411
(35)	By-pass Condenser (.5 mfd.) 2 used	3583
(36)	Resistor (99,000 ohms)	4411
(37)	Condenser (220 mmf.)	3082
(38)	Resistor (25,000 ohms)	3656
(39)	Resistor (99,000 ohms)	3769
(40)	Resistor (490,000 ohms)	4517
(41)	Condenser (.015 mfd.)	3793-F

No. on Figs. 3 and 4	Description	Part No.	PRICE
(1)	Volume Control	4093	.84
(2)	Resistor (70,000 ohms)	3542	.12
(3)	Resistor (70,000 ohms)	3542	.12
(4)	Tone Control	03137	.33
(5)	Push-pull Input Transformer	5662	1.95
(6)	Resistor (25,000 ohms)	3766	.12
(7)	Resistor (13,000 ohms)	3766	.12
(8)	Push-pull Output Transformer	2635	1.20
(9)	Voice Coil and Cone Assembly	02907	.60
(10)	Speaker Field (assembled with tone and frame)	02592	3.00
(11)	Resistor (15,000 ohms)	5718	.24
(12)	Oscillator Coil	3584-U	.36
(13)	Condenser (700 mmf.)	4520	.12
(14)	Resistor (20,000 ohms)	4518	.12
(15)	Compensating Condenser	01000-T	.10
(16)	Compensating Condenser	04000-E	.06
(17)	Resistor (13,000 ohms)	3766	.12
(18)	Resistor (1,500 ohms)	4190	.12
(19)	Condenser (110 mmf.)	4519	.11
(20)	By-pass Condenser (.015 mfd. double)	3739-E	.12
(21)	On-Off Switch	4095	.30
(22)	Power Transformer (115 volts 50-60 cycles)	5595	4.20
(23)	Power Transformer (115 volts 25-40 cycles)	5595	7.20
(24)	Power Transformer (230 volts 50-60 cycles)	5596	7.50
(25)	Resistor (205 ohms)	02613	.21
(26)	Hum Control Potentiometer	5050	.33
(27)	Electrolytic Condenser (6 mfd.)	4916	1.05
(28)	Filter Choke	5613	.90
(29)	Pilot Light	3463	.09
(30)	Electrolytic Condenser (6 mfd.)	4916	1.05
(31)	Resistor (2 sections 70 ohms each)	3764	.10
(32)	Knob (Large)	03063	.05
(33)	Knob (Small)	03064	.04
(34)	Knob (Switch)	02427	.02
(35)	Spring (for Switch Knob)	5262	per C .21
(36)	Spring (for Dial Knob)	4147	.01
(37)	Tube Shield	03518	.51
(38)	Grid Clip	4897	per C .18
(39)	Four Prong Socket Assembly	5036	.05
(40)	Five Prong Socket Assembly	4956	.06
(41)	Volume Control Insulator	4286	.01
(42)	Dial Scale	4276	.12
(43)	Pilot Bracket	5010	.18
(44)	Pilot Bracket Complete	4027-A	.10

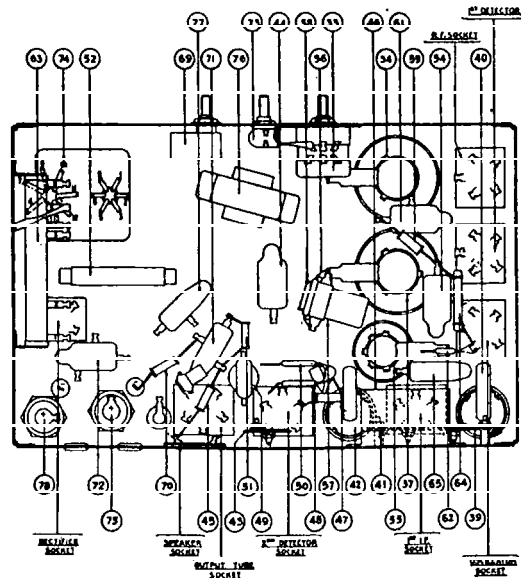
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<u>SWITCH</u> <u>POSITION</u>	<u>FREQUENCY</u> <u>(MEGACYCLES)</u>
1	15 TO 36
2	36 TO 85
3	85 TO 190

MODELS 470 AND 470-A



Short Wave Chassis.



Broadcast Chassis.

REPLACEMENT PARTS MODEL 470 AND 470-A

No. on Figs. 1 and 2	Description	Part No.	NET	PRICE	No. on Figs. 1 and 2	Description	Part No.	NET	PRICE
1	Oscillator Coil*	03734		.99	45	Resistor (45,000 ohms) 50-60 cycles	5256		.12
2	By-pass Condenser (.05 mfd.)	3615-M		.11	46	Resistor (99,000 ohms) 25-40 cycles	4411		.12
3	Gang Condenser Assembly	04000-E		1.05	47	Condenser (.5 mfd.)	2592		.24
4	Resistor (13,000 ohms)	3766		.12	48	Resistor (51,000 ohms)	4518		.12
5	Compensating Condenser (19 MC End of Top Scale)	04000-E		.06	49	Condenser (500 mmf.)	3910		.12
6	Compensating Condenser (8.5 MC End of Center Scale)	04000-E		.06	50	R. F. Choke	03086		.21
7	Compensating Condenser (3.6 MC End of Bottom Scale)	04000-E		.06	51	Condenser (250 mmf.)	3082		.12
8	Frequency Control Switch	02751		1.80	52	Resistor (240,000 ohms)	4410		.24
9	Resistor (240,000 ohms)	3768		.12	53	Condenser (.25 mfd.)	4204		.09
10	Condenser (1,250 mmf.)**	5886		.15	54	Pilot Light (Broadcast Unit)	3463		.15
11	Compensating Condenser (8.5 MC End of Top Scale)**	04000-F		.10	55	Condenser (.09 mfd. double)	4989-C		.15
12	Condenser (800 mmf.)	5878		.12	56	Oscillator Coil	03084		.11
13	Compensating Condenser (3.6 MC End of Center Scale)	04000-F		.10	57	Condenser (410 mmf.)	5120		.10
14	Compensating Condenser (250 mmf.)	3082		.12	58	Compensating Condenser—Low Frequency	04000-F		.12
15	Compensating Condenser (1.5 MC End of Bottom Scale)	04000-F		.10	59	Resistor (51,000 ohms)	4518		.12
16	Detector Transformer*	03734		.99	60	Resistor (5,000 ohms)	5310		.12
17	Frequency Filter	03662		.33	61	Compensating Condenser—High Frequency			
18	Antenna Switch Assembled with (g)	5790		.75	62	Condenser (.09 mfd. double)	4989-C		.15
19	Resistor (2 megohms) Assembled with (g)	03879		.30	63	Condenser (.110 mmf.)	4519		.30
20	Condenser (110 mmf.) Assembled with (g)	03879		.30	64	B. C. Resistor	03079		.10
21	Condenser (250 mmf.)	3082		.12	65	Resistor (18,000 ohms)	3766		.10
22	Resistor (20,000 ohms)	5790		.12	66	Condenser (.05 mfd.)	3615-L		.45
23	R. F. Choke	03893		.18	67	Voice Coil and Cone Assembly	02956		.45
24	Shielded Cable	L-1278		.60	68	Field Coil Assembled with Pot.	02966		1.20
25	Resistor (32,000 ohms)	3525		.12	69	Output Transformer	2673		.24
26	Resistor (20,000 ohms)	3525		.12	70	Tone Control	03140		.12
27	Electrolytic Condenser (6 mfd.)	4916		1.05	71	Resistor (240,000 ohms)	4410		.24
28	Pilot Light (Short Wave Unit)	3463		.09	72	Condenser (.01 mfd.)	3903-L		.12
29	Resistor (5,000 ohms)	3526		.12	73	Condenser (.015 mfd. double)	3793-K		.30
30	Plug	03913		.45	74	"On-off" Switch	4095		3.90
31	Filament Transformer	5906		1.05	75	(Power Transformer (50-60 cycles)	5117		3.90
32	(50-60 cycles)	5923		1.35	76	Power Transformer (25-40 cycles)	5118		3.90
33	(25-40 cycles)	5924		1.20	77	Power Transformer (50-60, 230 volts)	5119		4.06
34	On-off Switch (Assembled with (g))	5796		.75	78	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916		1.05
35	Volume Control	5039		.90	79	Electrolytic Condenser (10 mfd.) 25-40 cycles	5142		1.20
36	First R. F. Transformer	03082		.36	80	Choke	4819		.90
37	Tuning Condenser (50-60 cycles)	03076		3.00	81	Condenser (.09 mfd.) 50-60 cycles	4989-J		.10
38	Tuning Condenser (25-40 cycles)	03077		3.00	82	Condenser (.18 mfd.) 25-40 cycles	4989-K		.15
39	Compensating Condenser — Antenna				83	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916		1.05
40	Part of Gang Condenser Assembly				84	Electrolytic Condenser (10 mfd.) 25-40 cycles	5142		1.20
41	First Detector Transformer	03083		.33	85	Line Cord and Plug	L-943	per ft.	.023
42	Compensating Condenser — Detector				86	Tube Shield	03987		.12
43	Part of Gang Condenser Assembly				87	Boxed (Broadcast)	5008		.21
44	Compensating Condenser — First I. F.				88	Boxed (Short Wave)	5178		.12
45	Primary	04000-J		.12	89	Knob (Large)	03068		.05
46	First I. F. Transformer	03081		.45	90	Knob (Small)	03064		.04
47	Compensating Condenser — First I. F.				91	Knob (On-Off Switch—Broadcast)	03437		.02
48	Secondary	04000-H		.11	92	Knob (Control Switch—Short Wave)	5811		.03
49	Second I. F. Transformer	03082		.48	93	Spring (For Small Knobs)	4147		.01
50	Compensating Condenser—Second I. F.	04000-K		.12	94	Spring (For Large Knobs)	5262	per C	.21
51	Resistor (250 ohms Combined with .09 mfd. Condenser)	4989-E		.21	95	Grid Clip	4897	per C	.18
					96	Five Prong Socket Assembly	4956		.06
					97	Four Prong Socket Assembly	4955		.05
					98	Dial Complete (Broadcast)	03031		.36
					99	Dial Complete (Short Wave)	03890		.30

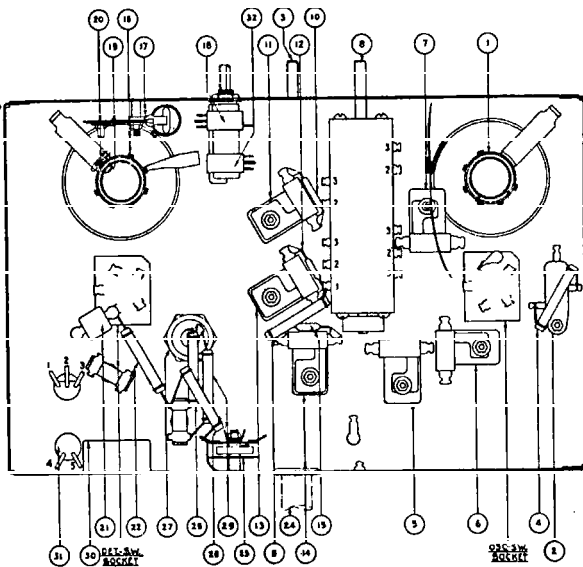
*Includes antehad oscillator coil and detector transformer.

**These parts released on later production by 0018 mfd. condenser, part 6018.

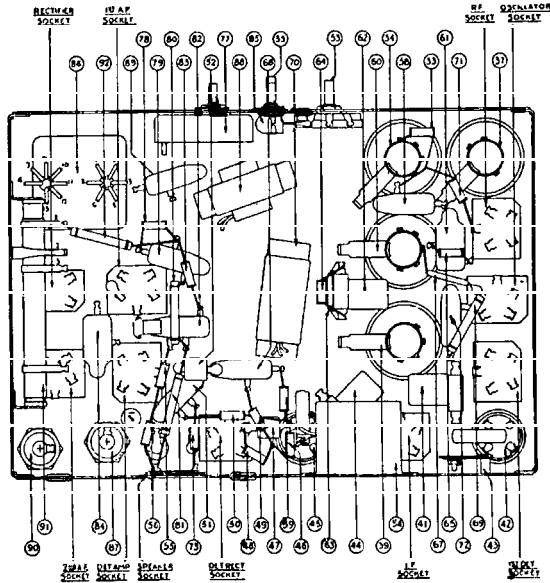
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SPEAKER PLUG AND SOCKET CONNECTIONS SHOWN — (X)

MODEL 490



Short Wave Chassis.



Broadcast Chassis.

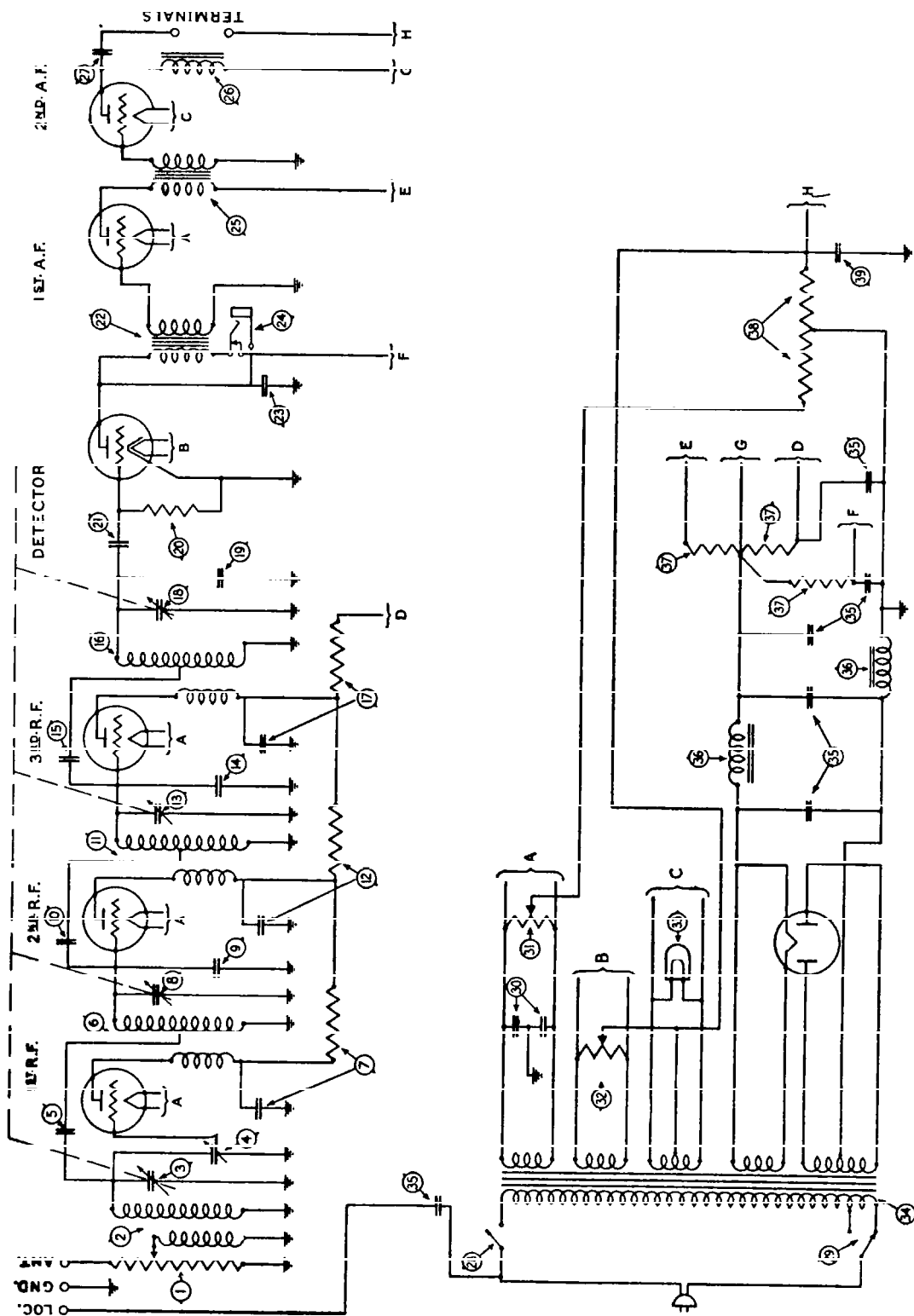
REPLACEMENT PARTS MODEL 490

No. on Figs. 1 and 2	Description	Part No.	NET PRICE	No. on Figs. 1 and 2	Description	Part No.	DEALER NET PRICE
1	Oscillator Coil*	03734	.99	25	Resistor (51,000 ohms)	4518	.12
2	By-pass Condenser (.05 mfd.)	3615-M	.11	26	Resistor (70,000 ohms)	5385	.12
3	Gang Condenser Assembly	03052	1.35	27	Pilot Light (Broadcast Unit)	3463	.09
4	Resistor (13,000 ohms)	3766	.12	28	Condenser (.05 mfd.)	3615-W	.10
5	Compensating Condenser (19 MC end of Top Scale)	04000-E	.06	29	Resistor (490,000 ohms)	4517	.12
6	Compensating Condenser (6.5 MC End of Center Scale)	04000-E	.06	30	Oscillator Coil	03016	.30
7	Compensating Condenser (3.6 MC End of Bottom Scale)	04000-E	.06	31	Condenser (.09 mfd.)	4989-G	.15
8	Frequency Control Switch	03751	1.80	32	Compensating Condenser—Low Frequency	04000-B	.11
9	Resistor (240,000 ohms)	3767	.12	33	Condenser (700 mmf.)	4520	.12
10	Condenser (1,250 mmf.)**	5886	.15	34	Resistor (51,000 ohms)	4518	.12
11	Compensating Condenser (8.5 MC End of Top Scale)**	04000-F	.10	35	Resistor (5,000 ohms)	5310	.12
12	Condenser (500 mmf.)	3670	.12	36	Compensating Condenser—High Fre- quency—Part of Gang Condenser Assembly		
13	Compensating Condenser (3.6 MC End of Center Scale)	04000-F	.10	37	Condenser (110 mmf.)	4519	.11
14	Condenser (250 mmf.)	3082	.12	38	Condenser (.05 mfd.)	3615-TI	.10
15	Compensating Condenser (1.5 MC End of Bottom Scale)	04000-F	.10	39	Resistor (51,000 ohms)	4237	.12
16	Detector Transformer*	03734	.99	40	By-pass Condenser (1., .25, .1) 50-60 cycles	03327	.60
17	Frequency Filter	03662	.33	41	By-pass Condenser (1., .25, .25) 25-40 cycles	03624	.60
18	Antenna Switch Assembled with 19	5796	.75	42	Resistor (70,000 ohms)	5385	.12
19	Resistor (2 megohms) Assembled with 18	03879	.30	43	Condenser (.05 mfd.)	3615-E	.12
20	Condenser (110 mmf.) Assembled with 19	03879	.30	44	Resistor (25,000 ohms)	4516	.12
21	Condenser (250 mmf.)	3082	.12	45	Voice Coil and Cone Assembly	02996	.45
22	Resistor (99,000 ohms)	3767	.12	46	Speaker Field (Assembly with 45)	03002	1.20
23	11. F. Choke	55553	.16	47	Output Transformer	03137	.33
24	Shielded Cable	L-1278	.60	48	Tone Control	4410	.12
25	Resistor (32,000 ohms)	3525	.12	49	Resistor (240,000 ohms) 50-60 cycles	4411	.12
26	Resistor (32,000 ohms)	3525	.12	50	Resistor (90,000 ohms) 25-40 cycles	3903-P	.12
27	Electrolytic Condenser (.1 mfd.)	4016	.06	51	Resistor (25,000 ohms)	3656	.12
28	Pilot Light (Short Wave Unit)	3463	.09	52	Resistor (25,000 ohms) 50-60 cycles	3656	.12
29	Resistor (5,000 ohms)	3526	.12	53	Resistor (50,000 ohms) 25-40 cycles	4237	.12
30	Plug	03913	.45	54	Condenser (.01 mfd.)	3903-W	.10
31	Filament Transformer (25-40 cycles)	5924	1.06	55	Resistor (240,000 ohms)	4410	.12
32	Filament Transformer (50-60 cycles, 230 volts)	5923	1.35	56	Condenser (.015 mfd. Double)	3793-E	.12
33	On-off Switch (Assembled with 34)	5796	.75	57	On-off Switch	4095	.30
34	Resistor (10,000 ohms)	4412	.12	58	Power Transformer (25-40 cycles)	5363	6.00
35	First R. F. Transformer	03360	.33	59	Power Transformer (50-60 cycles, 230 volts)	5364	4.20
36	Gang Condenser Assembly (50-60 cycles)	03001	3.75	60	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916	1.06
37	Gang Condenser Assembly (25-40 cycles)	03078	3.90	61	Electrolytic Condenser (10 mfd.) 25-40 cycles	5142	1.20
38	Compensating Condenser—First I. F. Part of Gang Condenser Assembly			62	Choke	4819	.90
39	Second R. F. Transformer	03014	.24	63	By-pass Condenser (.09 mfd.) 50-60 cycles	4989-J	.10
40	Compensating Condenser—Second R. F. Part of Gang Condenser Assembly			64	By-pass Condenser (.18 mfd.) 25-40 cycles	4989-K	.10
41	First Detector Transformer	03015	.30	65	Electrolytic Condenser (6 mfd.) 50-60 cycles	4916	1.05
42	Compensating Condenser—First Detector Part of Gang Condenser Assembly			66	Electrolytic Condenser (14 mfd.) 25-40 cycles	5725	1.25
43	Compensating Condenser—First I. F. Primary	04000-J	.12	67	B. C. Resistor	03457	.30
44	First I. F. Transformer	03009	.51	68	Resistor (240,000 ohms) 50-60 cycles	3768	.12
45	Compensating Condenser—First I. F. Secondary	04000-J	.12	69	Resistor (490,000 ohms) 25-40 cycles	3769	.12
46	Compensating Condenser—Second I. F. Primary	04000-L	.12	70	Line Cord and Plug	L-948 per ft.	.024
47	Second I. F. Transformer	03345	.45	71	Tube Shield (Large)	03982	.03
48	Resistor (51,000 ohms)	4518	.12	72	Tube Shield (27 Type)	5387	.03
49	Condenser (110 mmf.)	4519	.11	73	Base (Broadcast)	5009	.12
50	Resistor (51,000 ohms)	4518	.12	74	Base (Short Wave)	5175	.02
51	Resistor (490,000 ohms)	4517	.12	75	Knob (Large)	03003	.04
52	Resistor (50,000 ohms)	4411	.12	76	Knob (Small)	03004	.04
53	Condenser (.01 mfd.)	3903-R	.10	77	Knob (On-Off Switch—Broadcast)	03437	.02
54	Condenser (250 mmf.)	3082	.12	78	Knob (Control Switch—Short Wave)	5811	.04
55	Volume Control	5366	.66	79	Spring (For Small Knobs)	1147	.01
56	By-pass Condenser (3—.25 mfd.)	03325	.39	80	Spring (For Large Knobs)	5262 per C	.21

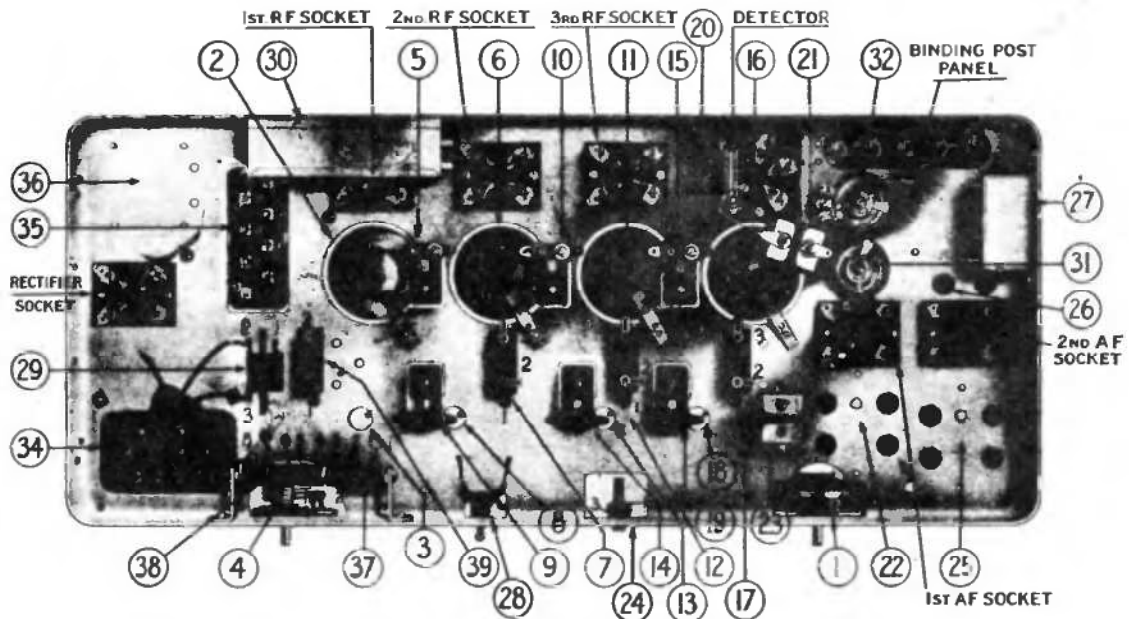
*Includes matched oscillator coil and detector transformer.

**These parts replaced in later production by 0012 mfd. condenser, price .0012.

Philco Model 511



Philco Model 511



Replacement Parts for Model 511

NUMBER	NAME OF PART	FACTORY PART NUMBER (Order by this Number)	DEALER NET PRICE		DEALER NET PRICE
①	Volume Control	3076	.84		
②	R. F. Transformer (Antenna Tuning)	3075-B	.60		
③ - ⑪ - ⑫	R. F. Transformer	3075-A	.60		
⑬	Range Control	3133			
	Tuning Condenser (complete with drum and shield)	3001-B	8.10		
⑭ - ⑮ - ⑯	Neutralizing Condenser	3025-A	.18		
⑰ - ⑱ - ⑲	Compensating Condenser	3025-B	.18		
⑳ - ㉑ - ㉒	By-Pass Condenser .1 mfd. with Plate Resistance Winding	3114-A	.45		
㉓	By-Pass Condenser .001 mfd.	3081	.15		
㉔	Filament By-Pass Condenser (2 sections .5 mfd.)	3080	.90		
㉕	Grid Leak	3083	.16		
㉖	Grid Condenser	3082	.12		
㉗ - ㉘	A. F. Transformer	3077	1.95		
㉙	Phonograph Pick-Up Jack	3087	.24		
㉚	Output Filter Choke	3078	1.60		
㉛	Output Filter Condenser .5 mfd.	3079	.75		
㉜	Power Switch—Toggle	3117	.45		
㉝	Primary Tap Switch	3116	.30		
㉞	6-ohm Hum Adjustor	3096	.27		
㉟	20-ohm Hum Adjustor	3086	.30		
㊱	Pilot Lamp	3105	.18		
	Pilot Lamp Socket Assembly	3043-A	.21		
	Tube Socket Assembly—4-hole	3051-A	.18		
	Tube Socket Assembly—5-hole	3157-A	.21		
	Tube Socket Insulator 4-hole—red	3124	.03		
	Tube Socket Insulator 4-hole—brown	3070	.03		
	Tube Socket Insulator 5-hole—brown	3158	.03		
	Power Transformer—50 - 60 cycle	3073	4.20		
	Power Transformer—25 - 40 cycle	3106	5.40		
	Filter Condenser Block—50 - 60 cycle	3108	7.20		
	Filter Condenser Block—25 - 40 cycle	3109	10.20		
	Filter Choke Coils	Z-224	2.55		
	B-C 5-section Resistor	3088 (A)	1.05		
	B-C 4-Section Resistor	3088 (W)	1.05		
	B Resistor 70,000 ohms	Z-129	.21		
	By-Pass Condenser .1 mfd	3114	.36		
	Terminal Panel Assembly	3084-A	.48		
	Control Knob—Tuning Condenser	3035-A	.12		
	Control Knob—Volume and Range Control	3036-A	.09		
	A.C. Attachment Cord and Plug	L-943-A	.30		
	Wiring Cable	L-946	1.20		
	Speaker Tone Filter	2946-B	1.60		
	Fibre Adjusting Wrench	3168	.12		

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MODEL 048

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