

# MASTER INDEX

(Supersedes all previous indexes)

## 1931, 1932, 1933, 1934, 1935, 1936 and 1937 Manuals VOLUMES I TO VII INCLUSIVE

**T**HIS MASTER INDEX includes material printed in the 1931, 1932, 1933, 1934, 1935, and 1936 Manuals, as well as the present volume. To differentiate between the various volumes, a Roman numeral follows the page number of each set listed. Thus, the numeral I refers to the 1931 issue, numeral II refers to the 1932 issue, etc. The small "s" following some of the Roman numerals specifies that the particular page is one of the supplements of the 1931 or 1932 Manuals. (These two Manuals when printed were followed by several supplement addenda.) Plain numbers shown on pages are complete diagrams. Underscored page numbers represent other additional service data. For instance, Atwater Kent Mfg. Co.—Model 35.....99-I is main diagram in Vol. I; 342-III which is underscored is additional data in Volume III. The listing of receivers contained in Volumes VI and VII are accompanied by information as to the exact contents of the pages. Hence, if you are looking for a *schematic diagram* of Philco model 37-9, you will find that on page 813-VII. If you are interested in the *alignment procedure* for that model, you will find it listed on page 814-VII. In other words, look for the exact information you desire on any particular model in the index and not by thumbing through the pages.

### A

**A. C. DAYTON CO.**

Navigator .....	80-I
AC-63 .....	79-I
AC-65 .....	79-I
AC-66 .....	78-I
AC-99—Schematic .....	449-VII
XL-5 Battery .....	80-I
XL-10 Battery .....	80A-Is
XL-20 Battery .....	77-I
XL-25 Battery .....	77-I
XL-30 Battery .....	77-I
XL-50 AC .....	80B-Is
XL-60 Battery .....	80B-Is
XL-61 .....	78-I
XL-70 .....	80A-I

**ACME ELECTRIC CO.**

7—AC .....	81-I
88—Screen Grid .....	81-I

**ACRATONE**

See Federated Purchaser Inc.

**ADMIRAL**

See Continental Radio & Tel. Corp.

**ADVANCE ELECTRIC CO.**

A—Auto Receiver .....	27-V
B—Superheterodyne .....	28-V

E .....	28-V
77 .....	27-V
88 .....	27-V
89 .....	27-V

**AIR-KING PRODUCTS COMPANY, Inc.**

Atlas .....	31-V
Atlas—Schematic .....	1025-VII
Dynamic 2 Range Schematic .....	4-VII
Magnetic—Schematic .....	4-VII
Prince—Schematic .....	737-VII
X822—Schematic .....	1457-VII
X826—Schematic .....	1457-VII
5 Tube Universal All-Wave Set—Schematic .....	1025-VII
6E—Schematic .....	307-VII
1000—Schematic, Chassis Layout, Parts List .....	1026-VII
6F—Schematic, Parts List .....	450-VII
9E—Schematic, Parts List .....	308-VII
10 (Same as Magnetic) Schematic .....	4-VII
11F—Schematic, Part List .....	3-VII
21—Schematic, Chassis Layout, Parts List .....	1025-VII
22—Schematic, Chassis Layout, Parts List .....	1025-VII
23A (Same as Magnetic) Schematic .....	4-VII
26 (Same as Dynamic 2 Range) Schematic .....	4-VII
27—Schematic .....	5-VII
28—Schematic .....	5-VII
28A (Same as 27) Schematic .....	5-VII

29 (Same as Dynamic 2 Range) Schematic .....	4-VII
37-39 .....	29-V
40 AC-DC—Schematic .....	6-VII
41 (Same as Magnetic) Schematic .....	4-VII
42 (Same as Magnetic) Schematic .....	4-VII
47—Schematic .....	5-VII
48—Schematic .....	5-VII
50 AC—Schematic .....	5-VII
52-54 .....	30-V
57—Schematic .....	5-VII
58—Schematic .....	5-VII
66—AC-DC—Schematic, Parts List .....	152-VII
70—AC—Schematic, Parts List .....	152-VII
72—Schematic, Parts List .....	451-VII
73—Schematic, Parts List .....	451-VII
76—Long Wave—Schematic .....	593-VII
77—Long Wave—Schematic .....	594-VII
81 Series—Schematic, Chassis Layout, Parts List .....	1025-VII
209—Schematic .....	737-VII
214—Schematic .....	738-VII
221—Schematic, Chassis Layout, Parts List .....	1025-VII
224 (Same as Dynamic 2 Range)—Schematic .....	4-VII
227 (Same as 528)—Schematic .....	5-VII
228 (Same as 528)—Schematic .....	5-VII
229 (Same as Dynamic 2 Range)—Schematic .....	4-VII
250—Schematic .....	595-VII
260—Schematic, Parts List .....	452-VII

261—Schematic .....	596-VII
522—Schematic, Chassis Layout, Parts List .....	1025-VII
524 (Same as Dynamic 2 Range)—Schematic .....	4-VII
528—Schematic .....	5-VII
700—Schematic, Parts List .....	881-VII
700LW—Schematic, Parts List .....	882-VII
705—Schematic, Parts List .....	882-VII
710—Schematic, Chassis Layout, Parts List .....	1026-VII
715—Schematic, Chassis Layout, Parts List .....	1026-VII
725—Schematic .....	1457-VII
730—Schematic .....	738-VII
730—Schematic, Battery Connections .....	1314-VII
731—Schematic .....	738-VII
731—Schematic, Battery Connections .....	1314-VII
810—Schematic .....	1313-VII
822—Schematic .....	1457-VII
823—Schematic .....	1458-VII
824—Schematic .....	1314-VII
828—Schematic .....	1313-VII
832—Schematic .....	1457-VII
833—Schematic .....	1458-VII
834—Schematic .....	1314-VII
838—Schematic .....	1313-VII
850—Schematic, Battery Connections .....	1314-VII
1001—Schematic .....	1458-VII
2000—Schematic, Chassis Layout, Parts List .....	1026-VII
2001—Schematic .....	1458-VII

**AIRLINE**

See Montgomery Ward & Co.

# INDEX

(Page 2)

## ALL-AMERICAN MOHAWK CORP.

All Electric, 1926	352-III
B-7 Lyric Battery	136-II
B-94 Lyric Battery	358C-Is
Chieftain Battery	350-III
C-6 Lyric AC	136-II
C-6 Lyric AC	343-III
"D"	4H-IIs
"D" AC	84A-Is
DC Lyric	137-II
Forte, Lorraine & Sovereign	
7 Tube Battery	355-III
"H" AC	84B-Is
"H"	41-II
"J" Lyric AC	134-II
"J" Junior	4J-IIs
"K" AC	138-II
"K"	4K-IIs
Kellogg Type	354-III
Navajo Battery	351-III
"P" AC	139-II
"P"	4L-IIs
R	350-III
S-6 Lyric AC	135-II
S-7 Lyric AC	133-II
S-8 Lyric AC	132-II
S-10	358-III
S-63 Lyric	357-III
S-80	4N-IIs
Sextette 6 tube	352-III
Sextette & Duet 6 tube	354-III
"W" 6 & 8 Tube AC	82-Is
5 tube VA circuit	351-III
7 tube 110 V. D. C.	356-III
44 Battery	84B-Is
60 AC	82-I
61 AC	82-I
62 AC	82-I
65 AC	82-I
66 AC	82-I
70 AC	83-I
73 AC	83-I
75 AC	83-I
77-6 tube A. C.	355-III
80 AC	82-I
83 AC	82-I
84 AC	82-I
85 AC	82-I
86 AC	82-I
88 AC	82-I
90 AC-60 Cycles	83-I, 130-II, 131-II
90 AC-25 Cycles	84-I, 130-II, 131-II
96 AC	84-I, 131-II
115 Battery	353-III
115 Electric	353-III
226-227 Mohawk	85-I
226-7 Contact Power Pack	361-III
226-12 Contact Power Pack	361-III
7 220 DC Volts	4M-IIs

## ALLIED RADIO CORPORATION

A81 (Same as H9819)	Schematic	7-VII
A9701-Schematic	1459-VII	
A9702-Schematic	1459-VII	
A9703-Schematic	1459-VII	
A9704-Schematic	1459-VII	
A9705-Schematic	1462-VII	
A9706-Schematic	1460-VII	
A9710-Schematic	1460-VII	
A9710E-Schematic	1460-VII	
A9711-Schematic	1460-VII	
A9711E-Schematic	1460-VII	
A9712-Schematic	1460-VII	
A9712E-Schematic	1460-VII	
A9715-Schematic	1459-VII	
A9716-Schematic	1459-VII	
A9717-Schematic	1459-VII	
A9718-Schematic	1459-VII	

A9720-Schematic	1459-VII
A9721-Schematic	1459-VII
A9722-Schematic	1459-VII
A9724-Schematic	1461-VII
A9725-Schematic	1461-VII
A9726-Schematic	1461-VII
A9728-Schematic	1462-VII
A9729-Schematic	1462-VII
A9730-Schematic	1462-VII
A9733-Schematic	1461-VII
A9734-Schematic	1461-VII
A9735-Schematic	1462-VII
A9752-Schematic, Operating Voltages	1315-VII
A9752-Alignment, Trimmer Locations, (Cont'd.)	
Parts List	1317-VII
A9752-Chassis Layout, Under Chassis Layout, Trimmer Locations, Color Codes	1316-VII
A9753-Schematic, Operating Voltages	1315-VII
A9753-Alignment, Trimmer Locations, (Cont'd.)	
Parts List	1317-VII
A9753-Chassis Layout, Under Chassis Layout, Trimmer Locations, Color Codes	1316-VII
A9754-Schematic, Operating Voltages	1315-VII
A9754-Alignment, Trimmer Locations, (Cont'd.)	
Parts List	1317-VII
A9754-Chassis Layout, Under Chassis Layout, Trimmer Locations, Color Codes	1316-VII
A9755-Schematic, Operating Voltages	1315-VII
A9755-Alignment, Trimmer Locations, (Cont'd.)	
Parts List	1317-VII
A9755-Chassis Layout, Under Chassis Layout, Trimmer Locations, Color Codes	1316-VII
A9776-Schematic, Chassis Layout, Trimmer Locations	1318-VII
A9776-Alignment, Service Data, Parts List	1319-VII
A9777-Schematic, Chassis Layout, Trimmer Locations	1318-VII
A9777-Alignment, Service Data, Parts List	1319-VII
A9778-Schematic, Chassis Layout, Trimmer Locations	1318-VII
A9778-Alignment, Service Data, Parts List	1319-VII
A9780-Schematic, Alignment, Chassis Layout, Trimmer Locations	1320-VII
A9781-Schematic, Alignment, Chassis Layout, Trimmer Locations	1320-VII
A9782-Schematic	1463-VII
A9783-Schematic	1463-VII
A9784-Schematic	1463-VII
A9802-Schematic	1464-VII
A9805-Schematic	1464-VII
A9805E-Schematic	1464-VII
A9806-Schematic	1464-VII
A9806E-Schematic	1464-VII
A9807-Schematic	1465-VII
A9807E-Schematic	1465-VII
A9808-Schematic	1465-VII
A9808E-Schematic	1465-VII
A9851-Schematic	1466-VII
A10502-Schematic	1465-VII
A10503-Schematic	1465-VII
A10505-Schematic	1467-VII
A10506-Schematic	1467-VII
A10507-Schematic	1468-VII
A10508-Schematic	1468-VII
A. S.-30 S. G.	32-V
B2-Schematic	1466-VII
B7-Schematic	1463-VII
B8-Schematic	1463-VII
D-8-Schematic	37-VI
F-9501	43-V
F-9503	43-V
F-9505	41-V
F-9511	41-V
F-9513	41-V
F-9515	41-V
F-9521	41-VI
F-9523-Schematic	41-VI
F-9525	44-V
F-9527	44-V
F-9541	42-V
F-9551	33-V
F-9553	33-V
F-9555	33-V
F-9612	34-V
F-9613	34-V
F-9618	35-V
F-9619	35-V
F-9630	36-V
F-9631	36-V
F-9632	36-V
F-9633	36-V
F-9634	36-V
F-9635	36-V
F-9640	37-V
F-9641	37-V
F-9642	37-V
F-9643	37-V
F-9644	37-V
F-9645	37-V
F-9650	38-V
F-9651	38-V
F-9652	38-V
F-9653	38-V
F-9660	39-V
F-9661	39-V
F-9662	39-V
F-9663	39-V
F-9664	39-V
F-9665	39-V
F-9670	40-V
F-9671	40-V
F-9672	40-V
F-9673	40-V
F9685-Schematic	310-VII
F9687-Schematic	310-VII
F-9751	41-V
F-9761	45-V
F-9767	45-V
F-9775	41-V
F-9777	41-V
F-9779	41-V
G-9501-Schematic	42-VI
G-9503-Schematic	41-VI
G-9505-Schematic	42-VI
G-9511-Schematic	41-VI
G-9513-Schematic	41-VI
G-9515-Schematic	39-VI
G-9517-Schematic	39-VI
G-9521-Schematic	42-VI
G-9533-Schematic	40-VI
G-9545-Schematic	37-VI
G-9547-Schematic	37-VI
G-9549-Schematic	37-VI
G-9551-Schematic	38-VI
G-9553-Schematic	44-VI
G-9557-Schematic	44-VI
G-9561-Schematic	38-VI
G-9561-Schematic	43-VI
G-9563-Schematic	38-VI
G-9563-Schematic	43-VI
G-9565-Schematic	38-VI
G-9565-Schematic	43-VI
G-9567-Schematic	38-VI
G-9567-Schematic	43-VI
G-9571-Schematic	43-VI
G-9573-Schematic	43-VI
G-9575-Schematic, Service Notes	45-VI
G-9595-Schematic, Service Notes	45-VI
G-9599-Auto Radio-Schematic, Alignment, Service Notes	46-VI
G-9601-Schematic, Service Notes	45-VI

G-9605-Schematic, Service Notes	45-VI
G-9611-Schematic	47-VI
G-9613-Schematic	47-VI
G-9615-Schematic	48-VI
G9629-Schematic, Operating Voltages, Trimmer Locations, Battery Connections	153-VII
G9631-Schematic, Operating Voltages, Trimmer Locations, Battery Connections	153-VII
G9633-Schematic, Operating Voltages, Trimmer Locations, Battery Connections	153-VII
G9635-Schematic, Operating Voltages, Trimmer Locations, Battery Connections	153-VII
G9637-Schematic, Operating Voltages, Trimmer Locations, Battery Connections	153-VII
G9639-Schematic, Operating Voltages, Trimmer Locations, Battery Connections	153-VII
G-9643-Schematic, Socket Voltages	49-VI
G-9645-Schematic, Socket Voltages	49-VI
G-9851-Schematic	56-VI
G-9852-Schematic	56-VI
G-9855-Schematic	56-VI
G-9858-Schematic	56-VI
G-9863-Schematic	57-VI
G9864-Schematic	154-VII
G9865-Schematic	154-VII
G9869 (Same as H9819) Schematic	7-VII
G9870 (Same as H9819) Schematic	7-VII
G9871 (Same as H9819) Schematic	7-VII
G-9873 (Same as G-9875)	59-VI
G-9875-Schematic	59-VI
G-9876-Schematic	59-VI
G9879 (Same as H9819) Schematic	7-VII
G-9881-Schematic	39-VI
G-9882-Schematic	39-VI
G9885-Schematic, Operating Voltages	311-VII
G-9886-Schematic	47-VI
G-9887-Schematic	47-VI
G9888-Schematic, Operating Voltages, Trimmer Locations	312-VII
G9891-Schematic, Operating Voltages, Trimmer Locations	309-VII
G9892-Schematic, Operating Voltages, Trimmer Locations	309-VII
G9895-Schematic, Operating Voltages, Trimmer Locations	454-VII
G9896-Schematic, Operating Voltages, Trimmer Locations	454-VII
G-9898-Schematic	47-VI
H-9801	50-VI
H-9803-Schematic	41-VI
H-9805-Schematic	51-VI
H-9811-Schematic	39-VI
H-9812-Schematic	39-VI
H-9813-Schematic	52-VI
H-9815-Schematic	53-VI
H-9817-Schematic	54-VI
H-9818-Schematic	54-VI
H9819-Schematic	7-VII
H9820-Schematic	7-VII
H-9822-Schematic	54-VI
H9830-Schematic	7-VII
H9831-Schematic	7-VII
H9832-Schematic	7-VII
H-9850-Schematic, Chassis Layout	55-VI

# INDEX

(Page 3)

**ALLIED RADIO (Cont'd)**

H-9852—Schematic, Chassis  
Layout .....55-VI  
H-9853—Schematic, Chassis  
Layout .....55-VI  
H-9854—Schematic, Chassis  
Layout .....55-VI  
H-9855—Schematic, Chassis  
Layout .....55-VI  
H-9856—Schematic, Chassis  
Layout .....55-VI  
H-9858—Schematic, Chassis  
Layout .....55-VI  
H9865—Schematic, Trimmer  
Locations .....453-VII  
H9867—Schematic, Trimmer  
Locations .....453-VII  
H-9870 (Same as H-9872) .....58-VI  
H-9872—Schematic .....58-VI  
H-9873—Schematic .....58-VI  
H-9874—Schematic .....58-VI  
H-9875—Schematic .....58-VI  
H-9876—Schematic .....58-VI  
H9880—Schematic, Operating  
Voltages, Trimmer Locations,  
Battery Connections .....153-VII  
H9882—Schematic, Operating  
Voltages, Trimmer Locations,  
Battery Connections .....153-VII  
H9883—Schematic, Operating  
Voltages, Trimmer Locations,  
Battery Connections .....153-VII  
H9884—Schematic, Operating  
Voltages, Trimmer Locations,  
Battery Connections .....153-VII  
H9885—Schematic, Operating  
Voltages, Trimmer Locations,  
Battery Connections .....153-VII  
H9886—Schematic, Operating  
Voltages, Trimmer Locations,  
Battery Connections .....153-VII  
H9891—Schematic .....8-VII  
H9893—Schematic .....8-VII  
ML2 (Same as H9830)  
Schematic .....7-VII  
P .....41-V  
P Battery .....41-V  
PA—Schematic .....43-VI  
PB—Schematic .....43-VI  
P-32V .....41-V  
R—Schematic .....38-VI  
T .....42-V  
U .....43-V  
UE—Schematic .....44-VI  
V .....44-V  
W .....45-V  
5X—Schematic .....1467-VII  
6A60 (Same as G9895)  
Schematic, Operating  
Voltages, Trimmer  
Locations .....454-VII  
6P—Schematic .....1468-VII  
6W—Schematic .....1467-VII  
6Y—Schematic .....1465-VII  
7M—Schematic .....1468-VII  
14A90 (Same as H9865)  
Schematic, Trimmer  
Locations .....453-VII  
52—Schematic .....310-VII  
53—Schematic .....310-VII  
99T (Same as H9891)  
Schematic .....8-VII  
101—Schematic .....39-VI  
102—Schematic .....39-VI  
381A (Same as H9819)  
Schematic .....7-VII  
633—Schematic .....40-VI  
6370A (Same as G9864)  
Schematic .....154-VII  
6753B (Same as G9891)  
Schematic, Operating Volt-  
ages, Trimmer Locations  
.....309-VII

6849 (Same as G9885)  
Schematic, Operating  
Voltages .....311-VII  
9100 (Same as G9629)  
Schematic, Operating Volt-  
ages, Trimmer Locations  
Battery Connections .....153-VII  
9139 (Same as H9880)  
Schematic, Operating Volt-  
ages, Trimmer Locations,  
Battery Connections .....153-VII  
9172 (Same as H9880)  
Schematic, Operating Volt-  
ages, Trimmer Locations,  
Battery Connections .....153-VII

**AMERICAN-BOSCH**

See **United American Bosch Corp.**

**AMERICAN TELEVISION & RADIO CO.**

Inverter Service Data, DC  
to AC Power .....597-VII  
Inverter Service Data, DC  
to AC Power (Continued)  
.....598-VII

**AMERICAN TRANSFORMER COMPANY**

ABC Hi-Power Box .....26-I  
PF-245A .....145-II  
PF-250 Amplifier .....334-I  
PF-281 Amplifier .....144-II  
PP-250 Amplifier .....144-II  
Approved Audio Circuits  
.....334A-Is  
De Luxe Recording Am-  
plifier .....143-II  
Hum Reduction Chart .....145-II  
Pick Up Matching Cir-  
cuit .....143-II  
Plate Supply Trans-  
former Connection .....334B-Is  
2 AP Amplifier .....342-I  
21 D Hi-Power Box .....342-I  
25 A Amplifier .....334A-Is

**AMRAD CORPORATION**

S-522 Battery .....94-I  
S-733 Battery .....95-I  
5 AC Neutrodyne .....92-I  
6 AC Concerto Nocturne .....92-I  
6 DC Neutrodyne .....92-I  
7 AC Neutrodyne .....93-I, 96A-IIs  
7 DC Neutrodyne .....93-I  
80 Battery .....94-I  
81 AC Bell Canto Series .....96-I  
82 Battery .....94-I  
83 Battery .....94-I  
84 AC .....96A-Is  
2364 Amplifier .....95-I  
3475 Tuner .....95-I  
3500-1 Battery .....95-I  
3500-2 Battery .....95-I  
3730 Tuner .....95-I  
3590 Battery .....95-I  
7100 AC .....94-I, 309-III  
7191 Power Unit .....95-I, 293-III

**AMY, ACEVES & KING, Inc.**

Riser Circuit for Multi-  
coupler installation .....295-II

**ANDREA RADIO CORP.**

A5L—Schematic .....1469-VII  
A5S—Schematic .....1469-VII  
A7L—Schematic .....1470-VII  
B6L—Schematic Trimmer  
Locations .....1471-VII  
B6S—Schematic, Trimmer  
Locations .....1471-VII  
D6B—Schematic .....1472-VII  
D7L—Schematic, Trimmer  
Locations .....1473-VII  
D7S—Schematic, Trimmer  
Locations .....1473-VII  
D10L—Schematic .....1474-VII  
D10S—Schematic .....1475-VII  
D32B—Schematic .....1472-VII  
UC4—Schematic .....1476-VII  
UC4L—Schematic .....1476-VII  
UD5L—Schematic .....1478-VII  
UD5S—Schematic .....1478-VII  
UD14L—Schematic .....1477-VII  
UD14S—Schematic .....1477-VII  
1A5—Schematic .....1469-VII  
1A7—Schematic .....1470-VII  
1B6—Schematic, Trimmer  
Locations .....1471-VII  
1D7—Schematic, Trimmer  
Locations .....1473-VII  
1D10—Schematic .....1474-VII  
2A5—Schematic .....1469-VII  
2B6—Schematic, Trimmer  
Locations .....1471-VII  
2D7—Schematic, Trimmer  
Locations .....1473-VII  
2D10—Schematic .....1475-VII  
3A7—Schematic .....1470-VII  
3B6—Schematic, Trimmer  
Locations .....1471-VII  
3D7—Schematic, Trimmer  
Locations .....1473-VII  
3D10—Schematic .....1474-VII  
4B6—Schematic, Trimmer  
Locations .....1471-VII  
4D7—Schematic, Trimmer  
Locations .....1473-VII  
4D10—Schematic .....1475-VII  
5A5—Schematic .....1469-VII  
5D7—Schematic, Trimmer  
Locations .....1473-VII  
5D10—Schematic .....1474-VII  
6A5—Schematic .....1469-VII  
6D7—Schematic, Trimmer  
Locations .....1473-VII  
6D10—Schematic .....1457-VII  
7D7—Schematic, Trimmer  
Locations .....1473-VII  
7D10—Schematic .....1474-VII  
8D7—Schematic, Trimmer  
Locations .....1473-VII  
8D10—Schematic .....1475-VII  
9D10—Schematic .....1474-VII  
10D10—Schematic .....1475-VII  
410—Schematic .....1476-VII  
411—Schematic .....1476-VII  
520—Schematic .....1478-VII  
521—Schematic .....1478-VII  
616—Schematic .....1472-VII  
617—Schematic .....1472-VII  
618—Schematic .....1472-VII  
716—Schematic .....1472-VII  
717—Schematic .....1472-VII  
718—Schematic .....1472-VII  
1401—Schematic .....1477-VII  
1402—Schematic .....1477-VII  
1403—Schematic .....1477-VII  
1404—Schematic .....1477-VII  
1405—Schematic .....1477-VII  
1406—Schematic .....1477-VII  
1407—Schematic .....1477-VII  
1408—Schematic .....1477-VII  
1409—Schematic .....1477-VII  
1410—Schematic .....1477-VII

**ANSLEY RADIO LAB.**

B1 (After No. 162)  
Schematic .....9-VII  
B-1—Portable Battery  
Set .....60-VI

D-1—four (4) Tubes .....61-VI  
D-1—six (6) Tubes .....62-VI  
D1 Amplifier—Schematic  
.....1479-VII  
D1A Amplifier—Schematic  
.....1479-VII  
D-3 .....63-VI  
D-4 .....63-VI  
D-6 .....63-VI  
D-9 .....64-VI  
D9 (After Nov. 1936)  
(Chassis 677-678)  
Schematic .....9-VII  
D10 (After Nov. 1936)  
(Chassis 677-678)  
Schematic .....9-VII  
D-10 .....64-VI  
D-12 .....61-VI  
D14—Schematic .....1480-VII  
D16 Amplifier—Schematic  
.....1479-VII  
D17 (After Nov. 1936)  
(Chassis 677-678)  
Schematic .....9-VII  
D18 (After Nov. 1936)  
(Chassis 677-678)  
Schematic .....9-VII  
D20 Amplifier—Schematic  
.....1479-VII  
D21—Schematic .....1480-VII  
D22—Schematic .....1480-VII  
D24—Schematic .....1480-VII  
D25—Schematic .....1480-VII  
D26 Amplifier—Schematic  
.....1479-VII  
DC Electric .....146-II  
MD-1 .....146-II  
Model VI .....46-V  
TU Tuner—Schematic .....10-VII  
U10 (After Nov. 1936)  
(Chassis 677-678)  
Schematic .....9-VII  
U-10 .....64-VI  
677—Schematic .....9-VII  
678—Schematic .....9-VII

**APPARATUS DESIGN CO.**

Confidence Radio Tube  
Tester .....47-V

**ARGUS RADIO CORP.**

B-125 .....326-I  
B-195 .....326-I

**ARVIN**

See **Noblitt-Sparks Industries, Inc.**

**ATWATER KENT MFG. CO.**

"D-1" DC .....164-II  
"D-2" DC .....165-II  
E145—Schematic .....318-VII  
E412—Schematic, Speaker  
Connections .....456-VII  
E608—Schematic .....313-VII  
E608—Alignment, Chassis  
Layout, Trimmer  
Locations .....314-VII  
E648—Schematic .....313-VII  
E648—Alignment, Chassis  
Layout, Trimmer  
Locations .....314-VII  
E765—Schematic .....317-VII  
"F" AC .....166-II  
"H-1" .....148-II  
"H-1" AC .....66-V  
"H-2" .....147-II  
"H-2" AC .....67-V  
"L-1" AC .....165-II  
"L-2" .....57-IV

# INDEX

(Page 4)

## ATWATER KENT (Cont'd)

- P—Schematic, Speaker  
 Connections .....455-VII  
 "P" AC .....166-II  
 P216—Schematic .....315-VII  
 P336—Schematic .....315-VII  
 P412—Schematic, Speaker  
 Connections .....456-VII  
 P755—Schematic .....316-VII  
 P810 (Same as 810) .....134-VI  
 P875—Schematic .....316-VII  
 "Q-2" Battery .....164-II  
 Output Measuring Circuit .....58-IV, 59-IV  
 Electric Valves of Condensers and resistors  
 1924-1932 inclusive .....168A-168X-III  
 I. F. Chart of A. K. Sets .....142-VI  
 Metal Tube Symbols in  
 A. K. Diagrams .....142-VI  
 10 .....97-I  
 10B .....97-I  
 12 .....97-I  
 19 No. 4880 Battery .....97-I  
 20 No. 4640 Battery .....97-I  
 20 Compact Battery .....97-I  
 20 Compact No. 7960.....196P-Is  
 21 No. 7780 Battery .....98-I  
 30 Battery .....99-I  
 32 Battery .....98-I  
 33 Battery .....99-I  
 35 .....99-I, 342-III  
 36 AC .....98-I, 340-III  
 37 AC .....100-I, 306-III, 310-III, 340-III, 346-III  
 37C .....100-I, 306-III, 310-III, 340-III, 346-III  
 37F .....100-I, 306-III, 310-III, 340-III, 346-III  
 38 AC .....100-I, 340-III, 346-III  
 40 AC .....101-I, 310-III, 340-III, 341-III, 346-III  
 40F .....101-I, 310-III, 340-III, 341-III, 346-III  
 41 Battery .....102-I  
 41 DC. 298-III, 302-III, 306-III  
 41 Second Type Power Unit .....103-I  
 41 Third Type Power Unit .....103-I  
 42 AC .....101-I, 340-III, 344-III  
 42F .....101-I, 340-III, 344-III  
 43 AC .....102-I, 4JJ-IIIs, 4KK-IIIs  
 44 AC .....101-I, 340-III, 344-III  
 44F .....101-I, 340-III, 344-III  
 44 Second Type Power Unit .....103-I  
 45 .....101-I, 340-III, 344-III  
 46 .....4JJ-IIIs, 4KK-IIIs  
 47 .....4JJ-IIIs, 4KK-IIIs  
 48 Battery .....99-I  
 49 Battery .....99-I  
 50 Battery .....103-I  
 51 (Same as 41) .....102-I  
 55FC Early Type AC .....160-II  
 55FC Later Type AC .....160-II  
 56 .....101-I, 310-III, 340-III, 341-III, 346-III  
 57 .....101-I, 310-III, 340-III, 341-III, 346-III  
 60 Early Type AC .....167-II  
 60 Later Type AC .....162-II, 342-III  
 60C Early Type AC .....167-II  
 60C Later Type AC .....162-II  
 60C Third Type AC .....328-I  
 61 Early Type DC .....161-II  
 61 Later Type DC .....161-II  
 61C Early Model DC .....161-II  
 61C Later Model DC .....161-II  
 66 AC .....163-II  
 67 Early Type Battery .....162-II  
 67 Later Type Battery .....163-II  
 67C Early Type Battery .....162-II  
 67C Later Type Battery .....163-II  
 70 .....168-0-II  
 70 AC .....312-III  
 70 DC .....312-III  
 72 .....168-0-II  
 74 .....168-0-II  
 76 .....168-0-II  
 76—Schematic, Speaker  
 Connections .....455-VII  
 80 AC .....153-II  
 80F .....153-II  
 81 Auto Set .....150-II  
 81B .....150-II  
 81C .....150-II  
 82 AC .....151-II  
 82D DC .....152-II  
 82F .....151-II  
 82Q .....18-IV, 19-IV  
 83 AC .....153-II, 327-III  
 83F .....153-II  
 84 Early Type AC .....149-II  
 84 Later Type AC .....155-II  
 84D DC .....152-II  
 84F .....155-II  
 84Q Battery .....154-II  
 85 AC .....156-II, 327-III  
 85F .....156-II  
 85Q Battery .....157-II  
 86 .....20-IV  
 86F .....20-IV  
 87 AC .....158-II  
 87D .....21-IV, 22-IV  
 89 AC .....159-II  
 89F .....159-II  
 89P AC .....159-II  
 90 .....23-IV  
 90F .....23-IV  
 91 .....24-IV  
 91B .....24-IV  
 91C .....24-IV  
 92 .....25-IV  
 92F .....26-IV  
 93 S. W. Converter .....27-IV  
 94 .....28-IV  
 94F .....28-IV  
 96 Third Type .....29-IV  
 96F .....30-IV  
 99 Third Type .....31-IV  
 99F .....31-IV  
 99P .....31-IV  
 112—Schematic .....66-VI  
 112 (2nd half) Schematic .....67-VI  
 112—Under Chassis view .....65-VI  
 112—Alignment .....68-VI  
 112—Alignment (cont'd.) .....69-VI  
 112—Parts List .....70-VI  
 126—Auto Radio Schematic .....71-VI  
 126—Auto Radio—Chassis Layout, Trimmers .....72-VI  
 126—Under Chassis View, Parts List .....73-VI  
 135Z—Schematic .....74-VI  
 135Z—Under Chassis View .....75-VI  
 135Z—Chassis Layout, Alignment .....77-VI  
 135Z—Parts List .....78-VI  
 136—Auto Radio—Schematic .....71-VI  
 136—Auto Radio, Chassis Layout, Trimmers .....72-VI  
 136—Under Chassis View, Parts List .....73-VI  
 145—Schematic .....79-VI  
 145—Under Chassis View, Chassis Layout .....80-VI  
 145—Alignment .....81-VI  
 145—Alignment (Cont'd.) .....82-VI  
 145—Alignment (Cont'd.) .....83-VI  
 145—Alignment, (Concluded) Parts List .....84-VI  
 155 Third Type .....32-IV  
 165 .....33-IV  
 165Q .....48-V  
 165—(2nd type)—Schematic .....85-VI  
 165—(2nd type)—Chassis Layout, Parts List, Trimmers .....86-VI  
 185 .....85-VI  
 185A .....49-V  
 188 Second Type .....34-IV, 35-IV, 36-IV, 37-IV  
 188F Second Type .....34-IV, 35-IV, 36-IV, 37-IV  
 206 (1st type)—Schematic .....87-VI  
 206 (1st type)—Under Chassis View, Chassis Layout .....80-VI  
 206 (2nd type)—Schematic .....89-VI  
 206 (2nd type)—Under Chassis View, Alignment, Chassis Layout .....90-VI  
 206—Alignment .....81-VI  
 (Continued) .....82-VI  
 206—Alignment (Continued) .....83-VI  
 206—Parts List .....91-VI  
 215Z—Schematic .....74-VI  
 215Z—Under Chassis View .....75-VI  
 215Z—Chassis Layout, Alignment .....77-VI  
 215Z—Parts List .....78-VI  
 217 .....50-V  
 217D .....51-V  
 228D .....152-II  
 228F .....25-IV, 26-IV  
 228Q .....18-IV, 19-IV  
 237Q—Schematic .....92-VI  
 237Q—Alignment, Parts List .....93-VI  
 246 .....38-IV, 39-IV  
 260 Third Type .....40-IV  
 260F .....40-IV  
 266 .....38-IV, 39-IV  
 275 .....52-V  
 285Q—Schematic .....94-VI  
 285Q—Alignment, Parts List .....95-VI  
 286—Schematic .....96-VI  
 286—Alignment, Chassis Layout, Parts List .....97-VI  
 305Z—Schematic .....76-VI  
 305Z—Under Chassis View .....75-VI  
 305Z—Chassis Layout, Alignment .....77-VI  
 305Z—Parts List .....78-VI  
 310 .....53-V  
 317 (early)—Schematic .....98-VI  
 318—Schematic .....99-VI  
 318—Alignment, Chassis & R. F. Transformer Circuits .....100-VI  
 325—Schematic .....79-VI  
 325—Under Chassis View, Chassis Layout .....80-VI  
 325—Alignment .....81-VI  
 325—Alignment (Continued) .....82-VI  
 325—Alignment (Continued) .....83-VI  
 325—Alignment (Concluded) Parts List .....84-VI  
 328 (2nd type)—Schematic .....101-VI  
 337 (early)—Schematic .....98-VI  
 356—Schematic .....96-VI  
 356—Alignment, Chassis Layout, Parts List .....97-VI  
 376 (1st type)—Schematic .....87-VI  
 376 (1st type)—Under Chassis View, Chassis .....88-VI  
 376 (2nd Type)—Schematic .....89-VI  
 376 (2nd Type)—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations .....90-VI  
 385Q—Schematic .....102-VI  
 385Q—Chassis Layout, Trimmer Locations, Parts List .....103-VI  
 387 .....54-V  
 387 (2nd type)—Schematic .....104-VI  
 387 (2nd type)—Chassis, Parts List, Trimmer .....305-VI  
 415Q—Schematic .....94-VI  
 415Q—Alignment, Parts List .....95-VI  
 416—Auto Radio—Schematic .....71-VI  
 416—Auto Radio, Chassis Layout, Trimmers .....72-VI  
 416—Under Chassis View, Parts List .....73-VI  
 424 .....55-V  
 425 .....56-V  
 427 .....50-V  
 427D .....51-V  
 427Q .....54-V  
 427Q (2nd type)—Schematic .....104-VI  
 427Q (2nd type)—Chassis, Parts List, Trimmers .....105-VI  
 435 (early)—Schematic .....406-VI  
 446 Auto Radio—Schematic .....71-VI  
 446—Auto Radio—Chassis Layout, Trimmers .....72-VI  
 446—Under Chassis View, Parts List .....73-VI  
 447—Schematic .....99-VI  
 447—Alignment, Chassis, & R. F. Transformer Circuits .....100-VI  
 448 .....41-IV  
 465Q—Schematic .....107-VI  
 465Q—Under Chassis View, Trimmers .....108-VI  
 465Q—Alignment .....109-VI  
 465Q—Parts List .....110-VI  
 467Q—Schematic .....92-VI  
 467Q—Under Chassis View, Alignment, Parts List .....93-VI  
 469 Second Type .....42-IV  
 469F .....42-IV  
 469D .....43-IV, 45-IV, 46-IV, 47-IV  
 469Q .....44-IV, 45-IV, 46-IV, 47-IV  
 475—Schematic .....111-VI  
 475—Alignment, Parts List, Chassis Layout .....112-VI  
 480 .....48-IV  
 480 .....49-IV, 50-IV, 51-IV  
 485Q—Schematic .....113-VI  
 485Q—Alignment, Parts List, Trimmers .....114-VI  
 509—Schematic .....1482-VII  
 509—Chassis Layout, Under Chassis Layout, Trimmer Locations, Diagram of Motor Tuning .....1481-VII  
 510 .....53-V  
 511—Tun-o-matic, Schematic (1st half) .....116-VI  
 511—Tun-o-matic, Schematic (2nd half) .....117-VI  
 511—Tun-o-matic, Schematic of remote control .....115-VI  
 511—Tun-o-matic, (Late Type) Under-chassis view .....118-VI  
 511—Tun-o-matic—Alignment .....119-VI  
 511—Tun-o-matic—Parts List .....70-VI

# INDEX

(Page 5)

**ATWATER KENT (Cont'd)**

511—Tun-o-matic—  
Service notes .....120-VI  
515Q—Schematic .....113-VI  
515Q—Alignment, Parts List,  
Trimmers .....114-VI  
525 (2nd type)—Chassis,  
Parts List, Trimmers .....86-VI  
525 (2nd type)—Schematic .....85-VI  
525 .....33-IV  
525Q .....48-V  
534 .....57-V  
545—Schematic .....121-VI  
545—Under Chassis View,  
Trimmers .....122-VI  
555 Second Type .....52-IV  
556—Auto Radio—Schematic  
123-VI  
556—Auto Radio—Chassis  
Layout, Trimmers .....72-VI  
558 .....53-IV  
558D .....43-IV,  
45-IV, 46-IV, 47-IV  
558Q .....44-IV,  
45-IV, 46-IV, 47-IV  
559—Schematic .....124-VI  
559—Under Chassis View  
125-VI  
559—Parts List .....91-VI  
565Z—Schematic .....76-VI  
565Z—Under Chassis View  
75-VI  
565Z—Chassis Layout,  
Alignment .....77-VI  
565Z—Parts List .....78-VI  
567 .....23-IV  
567F .....23-IV  
577—Schematic .....99-VI  
577—Alignment, Chassis &  
R F. Transformer Cir-  
cuits .....100-VI  
612 .....54-IV, 60-IV  
625Q—Schematic .....102-VI  
625Q—Trimmers, Parts List,  
Chassis .....103-VI  
627 .....55-IV  
636 .....58-V  
649 (early)—Schematic  
126-VI  
655Q—Schematic .....107-VI  
655Q—Under Chassis View,  
Trimmers .....108-VI  
655Q—Alignment .....109-VI  
655Q—Parts List .....110-VI  
657—Schematic .....127-VI  
657Q—Alignment, Trimmers,  
Parts List, Under Chassis  
View .....128-VI  
665 .....56-V  
666 .....59-V  
667 .....50-V  
667D .....51-V  
708 .....60-V  
711 .....61-V  
735—Schematic .....111-VI  
735—Alignment, Parts List  
Chassis Layout .....112-VI  
747Q—Schematic .....127-VI  
747Q—Alignment, Trimmers,  
Parts List, Under Chassis  
View .....128-VI  
756 .....62-V  
756B .....62-V  
768Q—Schematic .....129-VI  
768Q—Under Chassis View,  
Trimmers .....130-VI  
768Q—Alignment .....109-VI  
768Q—Parts List .....110-VI  
776—Auto Radio—  
Schematic .....131-VI  
776—Auto Radio—Chassis  
Trimmers .....132-VI  
776—Auto Radio—Alignment,  
Parts List .....133-VI  
788 .....63-V  
808 .....60-V

808A .....64-V  
810—Schematic .....134-VI  
812 .....57-IV, 60-IV  
816 .....65-V  
825—Schematic .....135-VI  
825—Under Chassis Layout,  
Trimmers .....136-VI  
825—Alignment .....81-VI  
825—Alignment (Cont'd.)  
82-VI  
825—Parts List .....91-VI  
854—Schematic .....137-VI  
854—Chassis Layout, Under  
Chassis View, Alignment  
138-VI  
856 (early)—Schematic  
139-VI  
926 .....65-V  
936 .....65-V  
944—Schematic .....140-VI  
944—Under Chassis Layout,  
Trimmers .....141-VI  
944—Alignment .....81-VI  
944—Alignment (Cont'd.)  
84-VI  
944—Parts List .....91-VI  
976 (early)—Schematic  
139-VI  
978Q—Schematic .....129-VI  
978Q—Under Chassis View,  
Trimmers .....130-VI  
978Q—Alignment .....109-VI  
978Q—Parts List .....110-VI

**AUDIOLA RADIO CO.**

**Now Fairbanks Morse  
Appliance, Inc.**

Audiola Junior .....329-III  
Junior 5 Tube AC .....169-II  
Super-Het, 8 Tube AC  
176-II, 140B-Is  
SW Chassis .....368-III  
4T31RF .....168-II  
4T32 .....364-III  
6B .....76-V  
6S .....76-V  
6M .....76-V  
6T—31 Pentode .....168-II  
6T—Jr. No. 1 .....170-II  
6T—Jr. No. 2 .....70-V  
7T Superhet .....174-II  
8T Super-Het .....173-II  
9T 45 Super-Het 1931 .....175-II  
9T Pentode Super-Het  
1931 .....172-II  
10T Super-Het .....171-II  
13S6 .....362-III  
13S9 .....363-III  
13T5 .....170-II  
23S7 .....68-V  
23S8 .....70-V  
23S8Q .....71-V  
23S10 .....71-V  
23S12 .....71-V  
23T5 .....368-III  
23T5 SW .....364-III  
31 .....169-II, 140A-Is  
32S11 .....367-III  
33A6 Auto .....73-V  
33S5 .....73-V  
33S6 Auto .....72-V  
33S6B .....74-V  
33S7 .....72-V  
33S8—32V .....68-V  
33S10 .....75-V  
52 .....69-V  
53 .....69-V  
346 .....76-V  
347 .....77-V

**AUTOCRAFT RADIO CO.**

S .....78-V  
55A .....78-V

**AUTOMATIC RADIO MFG.  
CO., Inc.**

A5—Schematic .....144-VI  
B30 Series 1—Schematic,  
Alignment, Parts List  
599-VII  
B30 Series II—Schematic,  
Alignment, Parts List  
1027-VII  
B70 Series—Schematic,  
Alignment, Parts List  
600-VII  
B80 Series 1—Schematic,  
Alignment, Parts List  
500-VII  
C-4—Schematic .....143-VI  
C45, V45 .....176F-III  
J50—Schematic .....144-VI  
J60—Schematic .....144-VI  
J-80—Auto Radio—Schematic,  
Alignment .....145-VI  
M19—Auto Radio—Schematic,  
Alignment, Parts List  
1028-VII  
M20—Auto Radio—Schematic,  
Alignment, Parts List  
1028-VII  
M60—Auto Radio—Schematic,  
Alignment, Parts List  
1029-VII  
M80—Auto Radio—Schematic,  
Alignment, Parts List  
1030-VII  
P25 .....176B-III  
P34 .....176D-III  
P35 .....176D-III  
P46, V46 .....176F-II  
S-6—Schematic .....143-VI  
Tom Thumb Auto Radio  
79-V

Tom Thumb Midget  
176H-III  
Tom Thumb Portable .....340-I  
44 .....176F-III  
850—Schematic, Alignment,  
Trimmer Locations, Parts  
List .....1483-VII  
855—Schematic, Parts List  
1169-VII  
855—Alignment, Station  
Selector Adjustments  
1170-VII  
892—Schematic, Alignment,  
Trimmer Locations, Parts  
List .....1484-VII

**AZTEC RADIO COMPANY**

5 Tube Pentode .....177-II  
376 (2nd type)—Schematic  
89-VI  
376—Alignment (1st type)  
81-VI  
376—Under Chassis View,  
Alignment, Chassis (2nd  
type) .....90-VI  
376 (2nd type)—Alignment  
(Continued) .....83-VI  
385Q—Schematic .....102-VI  
385Q—Chassis, Parts List,  
Trimmers .....103-VI  
387 .....54-V  
756 .....62-V  
756B .....62-V

## B

**NATHANIAL BALDWIN CO.**

80 .....324-I

**BALKEIT RADIO CO.**

C .....90-V  
D-5 .....91-V

"E" .....178B-III  
F .....92-V  
KP .....370-III  
L7, LC7 .....178A-III  
L8 .....369-III  
Legion .....93-V  
M .....371-III  
S. G. 6 Midget .....178B-III  
38 .....80-V  
41A .....81-V  
42E .....82-V  
42G .....82-V  
45 .....83-V  
48 .....84-V  
52-1 .....85-V  
55 .....86-V  
59 .....87-V  
69 .....88-V  
100 .....89-V

**BEEDE ELECTRICAL  
INSTRUMENT CORP.**

Preston Model 1931 .....440-II

**BELMONT RADIO  
CORPORATION**

D699 (Factory No. 840)  
Schematic, Parts List  
159-VII  
D699 (Factory No. 840)  
Alignment, Chassis Layout,  
Trimmer Locations, Parts  
List .....320-VII  
D-734—Schematic, Alignment,  
Parts List .....453-VII  
D-743—Schematic, Chassis  
Layout, Parts List .....457-VII  
40 .....178-II, 182A-III  
40A .....94-V  
41 (60 cycle set) (same as 40)  
178-II, 182A-III  
41A .....94-V  
42 (25 cycle set) (Same as 40)  
178-II, 182A-III  
42A .....94-V  
45 .....179-II  
46 .....179-II  
47 .....182A-III  
48 .....182A-III  
50 .....180-II  
50A .....182B-III  
50B .....182C-III  
50C .....182D-III  
50F—Schematic .....322-VII  
51A (Same as 50A) .....182B-II  
51B (Same as 50B) .....182C-II  
51C (Same as 50C) .....182D-III  
52A (Same as 50A) .....182B-II  
52B (Same as 50B) .....182C-II  
52C (Same as 50C) .....182D-III  
53 .....95-V  
53A (Same as 50A) .....182B-II  
53B (Same as 50B) .....182C-II  
53C (Same as 50C) .....182D-III  
54A (Same as 50A) .....182B-II  
54B (Same as 50B) .....182C-II  
54C (Same as 50C) .....182D-III  
55F—Schematic .....322-VII  
60 .....182E-III, 182F-III  
61 (Same as 60) .....182E-III  
62 (Same as 60) .....182E-III  
63 (Same as 60) .....182E-III  
64 (Same as 60) .....182E-III  
65 .....181-II  
66 .....181-II  
70 .....182-II  
70A—Schematic .....156-VII  
71A (Series 70A)  
Schematic .....156-VII  
71C—Schematic, Alignment,  
Chassis Layout, Trimmer  
Locations .....601-VII  
72A (Series 70A)  
Schematic .....156-VII  
73A (Series 70A)  
Schematic .....156-VII

# INDEX

(Page 6)

**BELMONT RADIO (Cont'd)**

**74A (Series 70A)**  
 Schematic ..... 156-VII  
 100—Schematic ..... 322-VII  
 101—Schematic ..... 322-VII  
 102—Schematic ..... 322-VII  
 103—Schematic ..... 322-VII  
 104—Schematic ..... 322-VII  
 110 ..... 182G-IIs  
 401—Schematic, Alignment,  
 Chassis Layout ..... 146-VI  
 401 Series B—Schematic,  
 Chassis Layout, Align-  
 ment ..... 147-VI  
 404—Schematic, Alignment,  
 Chassis Layout ..... 11-VII  
 415—Series A—Schematic,  
 Alignment, Chassis Lay-  
 out, Parts List ..... 12-VII  
 415—Series B (Serial No.  
 7B542,500 Up)—Schematic,  
 Parts List ..... 1031-VII  
 415—Series B (Serial No.  
 7B542,500 Up)—Alignment,  
 Chassis Layout, Service  
 Notes ..... 1032-VII  
 420 ..... 96-V  
 425 ..... 97-V  
 430 ..... 98-V  
 440 ..... 99-V  
 444—Schematic, Chassis  
 Layout, Service Hints  
 ..... 319-VII  
 489—Series A—Schematic,  
 Chassis Layout, Battery  
 Connections ..... 1321-VII  
 489—Series A—Alignment,  
 Trimmer Locations, Ser-  
 vice Notes, Parts List  
 ..... 1322-VII  
 505—Series A—Schematic,  
 Chassis Layout ..... 1323-VII  
 505—Series A—Alignment,  
 Trimmer Locations, Ser-  
 vice Notes, Parts List  
 ..... 1324-VII  
 522 Battery Set—Schematic,  
 Alignment, Parts List  
 ..... 148-VI  
 523—Schematic, Parts List  
 ..... 883-VII  
 523—Alignment, Chassis  
 Layout, Trimmer Loca-  
 tions ..... 884-VII  
 525 ..... 94-V  
 530—Schematic, Alignment,  
 Service Hints ..... 322-VII  
 540 ..... 100-V  
 541—Schematic ..... 321-VII  
 544—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions ..... 602-VII  
 545—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions ..... 602-VII  
 550 ..... 101-V  
 555—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions ..... 885-VII  
 555—Alignment, Parts List  
 ..... 886-VII  
 560 ..... 4HA-IIs  
 566—Auto Set—Schematic,  
 Alignment ..... 149-VI  
 567—Schematic, Alignment,  
 Parts List ..... 458-VII  
 575 ..... 102-V  
 578 Series A—Schematic  
 ..... 150-VI  
 580—Auto Set—Schematic,  
 Chassis Layout, Align-  
 ment ..... 151-VI  
 585—Series A-B-C—  
 Schematic ..... 152-VI  
 585—Series D—Schematic,  
 Parts List, Chassis Lay-  
 out, Alignment ..... 153-VI  
 586—Series A—Schematic,  
 Alignment ..... 154-VI

588—Series A (Serial No.  
 7D569,700 Up)—Schematic,  
 Parts List ..... 1033-VII  
 588—Series A (Serial No.  
 7D569,700 Up)—Alignment  
 Chassis Layout, Trimmer  
 Locations, Service Notes  
 ..... 1034-VII  
 589 Series A (Serial No.  
 7H827200 Up)—Schematic,  
 Alignment, Chassis Lay-  
 out, Trimmer Locations,  
 Parts List ..... 1485-VII  
 601—Series A—Schematic,  
 Parts List ..... 155-VII  
 601—Series B—Schematic,  
 Parts List ..... 155-VII  
 602 (Serial No. 7D600,100  
 Up)—Schematic, Parts  
 List ..... 1035-VII  
 602 (Serial No. 7D600,100  
 Up)—Alignment, Chassis  
 Layout, Service Notes  
 ..... 1036-VII  
 625 ..... 103-V  
 640 ..... 104-V  
 650 ..... 105-V  
 660 ..... 106-V  
 661 (Serial No. W1000 Up)  
 Schematic, Chassis Lay-  
 out, Parts List ..... 1171-VII  
 661 (Serial No. W1000 Up)  
 Alignment, Ignition Noise  
 Data, Service Data  
 ..... 1172-VII  
 661 (Serial No. W1000 Up )  
 Parts List ..... 1173-VII  
 661 Series A—Schematic,  
 Chassis Layout, Parts List  
 ..... 457-VII  
 666—Auto Set—Schematic,  
 Chassis Layout, Align-  
 ment, Parts List ..... 155-VI  
 667—Schematic, Parts  
 List ..... 603-VII  
 667—Alignment, Chassis  
 Layout ..... 604-VII  
 670 ..... 107-V  
 670A ..... 107-V  
 675 ..... 108-V  
 680—Auto Set—Schematic,  
 Chassis Layout, Align-  
 ment, Service Notes ..... 156-VI  
 686—Series A, B—Schematic,  
 Parts List, Chassis Lay-  
 out ..... 157-VI  
 690—Auto Set—Schematic,  
 Chassis Layout, Align-  
 ment, Service Notes ..... 158-VI  
 740—Series A (Serial No.  
 7C552550 Up)—Schematic,  
 Chassis Layout, Parts  
 List ..... 1174-VII  
 746—Series A—Schematic,  
 Chassis Layout, Parts  
 List ..... 14-VII  
 746—Series A—Alignment,  
 Trimmer Locations ..... 13-VII  
 750 ..... 109-V  
 770—Series A—Schematic,  
 Alignment ..... 159-VI  
 775 ..... 110-V  
 777—Series A-B-C—Schematic,  
 Chassis Layout, Service  
 Notes ..... 160-VI  
 778—Series A—Schematic,  
 Parts List, Chassis  
 Layout ..... 161-VI  
 786—Series A—Schematic,  
 Parts List, Chassis  
 Layout ..... 157-VI  
 804 Series A—Schematic,  
 Chassis Layout, Parts List  
 ..... 459-VII  
 804 Series A—Alignment,  
 Trimmer Locations ..... 460-VII  
 822 (Serial No. 6K411500 Up)  
 Schematic ..... 1486-VII  
 840—Schematic, Parts List  
 ..... 159-VII

840—Alignment, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List ..... 320-VII  
 845—Series A—Schematic,  
 Chassis Layout, Parts  
 List ..... 157-VII  
 845—Series A—Alignment,  
 Trimmer Locations ..... 158-VII  
 848—Schematic, Alignment,  
 Trimmer Locations, Parts  
 List ..... 1487-VII  
 849—Schematic, Alignment,  
 Trimmer Locations, Parts  
 List ..... 1487-VII  
 856 Series A (Serial No.  
 6G315150 Up)—Schematic,  
 Chassis Layout, Trimmer  
 Locations ..... 1488-VII  
 878 Series A—Schematic,  
 Alignment, Chassis Lay-  
 out, Trimmer Locations,  
 Parts List ..... 1489-VII  
 878 (Series B)—Schematic,  
 Alignment, Trimmer  
 Locations, Parts List  
 ..... 1490-VII  
 879 Series A—Schematic,  
 Alignment, Trimmer  
 Locations, Parts List  
 ..... 1491-VII  
 880—Series A, Auto Set  
 Schematic ..... 162-VI  
 880—Series B, Auto Set  
 Schematic ..... 162-VI  
 880—Series C, Auto Set  
 Schematic, Chassis Lay-  
 out, Alignment, Parts  
 List ..... 163-VI  
 890 Series A (Serial No.  
 7E77600 Up)—Schematic  
 ..... 1486-VII  
 1050 ..... 111-V  
 1070—Series A—Schematic,  
 Chassis Layout, Parts  
 List Trimmers ..... 164-VI  
 1070—Series A—Alignment  
 ..... 165-VI  
 1070—Series B—Schematic,  
 Chassis Layout, Parts List  
 ..... 156-VII  
 1170B (Serial N. 7C561750 Up)  
 Schematic ..... 1492-VII  
 1174 (Serial No. 7C561750 Up)  
 Schematic ..... 1492-VII

**BOND RADIO CO.**  
 6TA ..... 112-V  
 33 ..... 112-V  
 34 ..... 112-V

**BRANDES PRODUCTS CORP.**  
 B—10 ..... 198A-IIs  
 B—11 ..... 187-II  
 B—12 ..... 187-II  
 B—15 ..... 198A-IIs  
 B—16 ..... 198A-IIs  
 "B" Power Unit ..... 197-II  
 Columbia Electric Pho-  
 nograph ..... 197-II  
 Columbia C—5 ..... 198-II  
 Columbia 950 ..... 198-II  
 K—24 ..... 189-II  
 K—38 ..... 190-II  
 K—42 ..... 191-II  
 K—48 ..... 61-IV  
 K—60 ..... 193-II  
 K—62 ..... 193-II  
 K—70 ..... 194-II  
 K—72 ..... 194-II  
 K—80 ..... 195-II  
 K—82 ..... 195-II  
 K—90 ..... 190-II  
 K—92 ..... 190-II  
 K—110 ..... 198B-II  
 K—110 ..... 113-V

K—112 ..... 198B-II  
 K—112 ..... 113-V  
 K—114 ..... 114-V  
 K—120 ..... 198B-II  
 K—120 ..... 113-V  
 K—130 ..... 198B-II  
 K—130 ..... 115-V  
 K—132 ..... 198B-II  
 K—132 ..... 115-V  
 K—133 DC ..... 116-V  
 K—143 DC ..... 116-V  
 6 Tube DC ..... 185-II  
 6 Tube AC ..... 186-II  
 7 Tube AC ..... 183-II, 184-II  
 7 Tube Power Pack &  
 Audio Amplifier ..... 117-V  
 25 ..... 188-II

**BREMER - TULLY  
 MFG. CO.**  
 Counterphase, 6 ..... 106-I  
 Counterphase, 8 ..... 106-I  
 S—81 ..... 110B-Is, 110C-Is  
 S—82 ..... 110B-Is, 110C-Is  
 6—40 Receiver ..... 107-I  
 6—40 Power Unit ..... 106-I  
 7—70 ..... 108-I  
 7—71 ..... 108-I  
 8—20A ..... 107-I  
 8—21A ..... 107-I  
 81 ..... 110A-Is  
 82 ..... 110A-Is  
 820A ..... 297-III, 346-III

**BREITING RADIO  
 MANUFACTURING CO.**  
 Breiting "12"—Schematic,  
 Trimmer Locations, Ser-  
 vice Data ..... 160-VII

**BROWNING DRAKE CORP.**  
 4 Tube Battery ..... 180C-Is  
 JR ..... 372-III, 4PP-IIs  
 MB—30 ..... 108A-Is  
 20 ..... 376-III, 4MM-IIs  
 34 ..... 350-I  
 36 ..... 350-I  
 38 ..... 350-I  
 40 ..... 373-III, 4NN-IIs  
 54 ..... 374-III  
 69 ..... 108B-Is  
 70 ..... 108B-Is  
 71 ..... 108B-Is  
 80 ..... 375-III, 400-IIs  
 100 ..... 372-III, 4PP-IIs

**BRUNSWICK-BALKE—  
 COLLENDER CO.**  
 RPA—1A ..... 265-I  
 RPA—4 ..... 265-I  
 RPA—5 (AP—952) ..... 200-II  
 X—1102 ..... 199-II  
 3 ..... 276-I  
 10 ..... 267-I, 204-II  
 11 ..... 203-II  
 12 ..... 203-II  
 14 AC Receiver ..... 202-II  
 14 Power Unit ..... 109-I, 201-II  
 14 DC Receiver ..... 206-II  
 15 Battery ..... 205-II  
 16 ..... 203-II  
 21 AC Receiver ..... 202-II  
 21 Power Unit ..... 109-I, 201-II  
 21 DC Receiver ..... 206-II  
 31 DC Receiver ..... 206-II  
 31 Combination Pana-  
 trope ..... 110-I

# INDEX

(Page 7)

**BRUNSWICK RADIO CORP.**  
(Wilco Radio Co.)

B-15	110-K-Is
DC-15	110L-Is
R-1	110J-Is
S-14	110C-Is
S-21	110C-Is
S-31	319-III
SPU-X-60	110G-Is
SPU-X-341	110G-Is
SPU-X-355	110F-Is
SPU-X-900	110D-Is
SPU-X-901	110D-Is
SPU-X-902	110I-Is
X-882 Chassis	110F-Is
X-1101 Chassis	110D-Is
X-1103 Chassis	110E-Is
X-1104 Chassis	110J-Is
2KRO	110H-Is
2KR6	110H-Is
3KR8	110F-Is
3KRO	110H-Is
3NC8	110E-Is
3NW8	110-Is
5KR	110H-Is
5KR6	110H-Is
5KRO	110H-Is
5NO	110D-Is
10 A. C.	333-III
14	295-III, 323-III
15	315-III
	321-III, 328-III, 110J-Is
17	207-II
21	295-III, 323-III
22 A. C.	312-III, 315-III, 316-III, 319-III
	321-III, 110J-Is
24	207-II
25	207-II
31	312-III, 323-III
31 A. C.	320-III

**BUCKINGHAM RADIO CORP.**

Model 80	348-I
----------	-------

**BULOVA CLOCK COMPANY**

C751	378-III
M501	377-III
M701	377-III

**BUSH AND LANE PIANO CO.**

10 De Luxe	111-I
12 Screen Grid	111-I

**C**

**CADILLAC MOTOR CAR CO.**

5X Series A—Schematic	1493-VII
5X Series B—Schematic	1493-VII
6KB Series A—Schematic	1494-VII
6KB—Series B—Schematic	1494-VII
6R—Schematic, Alignment, Chassis Layout, Trimmer Locations	1495-VII
6R—Alignment, (Cont'd.), Parts List	1496-VII
6S—Schematic, Alignment, Chassis Layout, Trimmer Locations	1497-VII

6S—Alignment (Cont'd.), Parts List	1498-VII
6T—Schematic, Parts List	1499-VII
6T—Alignment, Chassis Layout, Trimmer Locations, Parts List (Cont'd.)	1500-VII

**CANADIAN MARCONI CO.**

III	370E-Is
IV	370E-Is
V	370C-Is
VI	370E-Is
VII	370C-Is
VIII	370F-Is
IX	370F-Is
X Tuner	370A-Is
X—Power Unit	370F-Is
XI	370B-Is
XII Tuner	370B-Is
XII Power Unit	370D-Is
XIII	370A-Is
XIII Power Unit	370D-Is
XIV DC	360-I
XV	361-I
XVI Tuner	361-I
XVI Power Unit	361-I
XVII	361-I
XVIII	361-I
10 De Luxe	111-I
12 Screen Grid	111-I
19 DC	370-I
20 Chassis	363-I
20 Power Unit	363-I
21 Chassis	364-I
21 Power Unit	365-I
22 Chassis	366-I
22 Power Unit	367-I
23 Chassis	368-I
23 Power Unit	369-I
26	379-III
26 SW	379-III
26 SW & 27 SW converter units	380-III
27 SW receiver	381-III, 382-III
28	373-I
29	373-I
31-31 SW	383-III
31 SW converter	384-III
32	385-III
32B	214E, 214M-Is
33	214E, 214M-Is
33AW	214E, 214M-Is
34	214E, 214M-Is
35	214E, 214M-Is
36	214E, 214M-Is
37	214E, 214M-Is
70	374-I
80	376-I
89	376-I
90	377-I
99	378-I
110	379-I
120	380-I

**CANADIAN RADIO CORP.**

Also see Consolidated Industries Products Ltd.

Algonquin—Schematic, Parts List	323-VII
Balmoral—Schematic, Chassis Layout, Trimmer Locations, Parts List	461-VII
Belmont—Schematic, Parts List	462-VII
"Buckingham"—Schematic, Parts List	166-VI
"Champlain"—Schematic, Parts List	167-VI
Chippewa—Schematic, Chassis Layout, Trimmer Locations, Battery Connections	739-VII

Comet—Schematic, Parts List	325-VII
Concerto—Schematic, Chassis Layout, Trimmer Locations, Parts List	461-VII
Connought (Chassis 80) Schematic, Parts List	175-VI
"Countess" (Chassis 83) Schematic, Parts List	168-IV
Crescendo—Schematic, Chassis Layout, Trimmer Locations, Parts List	605-VII
"Duchess" (Chassis 76) Schematic, Parts List	169-VI
"Earl" (Chassis 81) Schematic, Parts List	172-VI
"Empress" (Chassis 72) Schematic, Parts List	169-VI
Frontenac (Chassis) 52 Schematic, Parts List	177-VI
Harmony—Schematic, Chassis Layout, Trimmer Locations, Parts List	606-VII
Huron—Schematic, Chassis Layout, Trimmer Locations, Battery Connections	739-VII
Iroquois—Schematic, Parts List	323-VII
Jaques Cartier (Chassis 58) Schematic, Parts List	173-VI
Joliette (Chassis 53) Schematic, Parts List	175-VI
Jupiter—Schematic, Parts List	324-VII
Kent (Chassis 77) Schematic, Parts List	174-VI
King—Schematic, Operating Voltages	463-VII
Knight (Chassis 79) Schematic, Parts List	173-VI
Laurier (Chassis 57) Schematic, Parts List	174-VI
Lyra—Schematic, Parts List	326-VII
"Madelaine" (Chassis 59) Schematic, Parts List	172-VI
Marquette—Schematic	607-VII
Marquis (Chassis 77) Schematic, Parts List	174-VI
Mayfair—Schematic, Parts List	1037-VII
Minerva 8/33—Schematic, Parts List	462-VII
Minerva 12/33 AC Schematic, Parts List	462-VII
Montcalm (Chassis 54) Schematic, Parts List	176-VI
New Brock—Schematic, Chassis Layout, Parts List	608-VII
New Etude—Schematic, Chassis Layout, Parts List	608-VII
New Melody (Chassis 507)	119-V
New Prelude (Chassis 511) Parts List	121-V
New Symphony (Chassis 505)	118-V
Normandie—Schematic, Chassis Layout, Trimmer Locations	464-VII

Overture—Schematic, Chassis Layout, Trimmer Locations, Parts List	606-VII
Papineau (Chassis 58) Schematic, Parts List	173-VI
Princess (Chassis 84A & 84B) (same as Ten-65)	176-VI
Real—Schematic, Operating Voltages	463-VII
Richelieu (Chassis 57) Schematic, Parts List	174-VI
Roamio 513C	122-V
Roamio 513D	123-V
Royal Star—Schematic, Parts List	324-VII
7 Tube Battery Set Schematic, Parts List	171-VI
Ten-12—Schematic, Chassis Layout, Trimmer Locations	464-VII
Ten-45 (Chassis 29) Schematic, Parts List	172-VI
Ten-50 (Chassis 28) Schematic, Parts List	173-VI
Ten-51 (Chassis 31) Schematic, Parts List	172-VI
Ten-55 (Chassis 28) Schematic, Parts List	173-VI
Ten-57 (Chassis 27) Schematic, Parts List	174-VI
Ten-58 (Chassis 27) Schematic, Parts List	174-VI
Ten-59 (Chassis 27) Schematic, Parts List	174-VI
Ten-60 (Chassis 26) Schematic, Parts List	175-VI
Ten-65 (Chassis 24) Schematic, Parts List	176-VI
Ten-66 (Chassis 24) Schematic, Parts List	176-VI
Ten-85 (Chassis 23) Schematic, Parts List	177-VI
Ten-86 (Chassis 23)	177-VI
Ten-120—Schematic, Chassis Layout, Trimmer Locations	464-VII
Viscount (Chassis 79) Schematic, Parts List	173-VI
"Wales" (Chassis 71) Schematic, Parts List	170-VI
York—Schematic, Parts List	1037-VII
D-5525—Schematic, Operating Voltages	463-VII
R-5441—Schematic, Operating Voltages	463-VII
S-80—Schematic, Parts List	462-VII
S-120—Schematic, Parts List	462-VII
Z—Schematic, Chassis Layout, Trimmer Locations, Parts List	461-VII
6D932—Schematic, Parts List	326-VII
6D1031—Schematic, Parts List	325-VII
6D1231—Schematic, Parts List	324-VII
20—Schematic, Chassis Layout, Trimmer Locations	464-VII
33—Schematic	607-VII
33B—Schematic	607-VII

# INDEX

(Page 8)

## CANADIAN RADIO (Cont'd)

34—Schematic .....607-VII  
 34B—Schematic .....607-VII  
 50—Schematic, Chassis  
 Layout, Trimmer  
 Locations .....464-VII  
 53—Schematic, Parts List  
 323-VII  
 56—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Battery Connections  
 739-VII  
 60—Schematic .....607-VII  
 60B—Schematic .....607-VII  
 75—Schematic .....607-VII  
 76—Schematic .....607-VII  
 140A—Schematic, Chassis  
 Layout, Trimmer Locations  
 461-VII  
 140B—Schematic, Chassis  
 Layout, Trimmer Locations  
 461-VII  
 213D .....123-V  
 503—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....606-VII  
 504—Schematic, Chassis  
 Layout, Parts List .....608-VII  
 504F—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....605-VII  
 505 .....118-V  
 507 .....119-V  
 508 .....120-V  
 511 .....121-V  
 513A (Same as 513C) .....122-V  
 513B (Same as 513C) .....122-V  
 513C .....122-V  
 513D .....123-V  
 851A—Schematic, Chassis  
 Layout, Parts List .....1037-VII  
 851B—Schematic, Chassis  
 Layout, Parts List .....1037-VII  
 851C—Chassis Layout  
 1037-VII  
 851D—Chassis Layout  
 1037-VII  
 918—Schematic, Chassis  
 Layout, Trimmer  
 Locations .....740-VII  
 935—Schematic, Parts Lists  
 1038-VII  
 940—Schematic, Parts List  
 1038-VII  
 950—Schematic, Parts List  
 1038-VII  
 955—Schematic, Parts List  
 1038-VII  
 965—Schematic, Parts List  
 1038-VII  
 2621—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....741-VII  
 2622—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....741-VII  
 4421—Schematic, Operating  
 Voltages, Chassis Lay-  
 out, Trimmer Locations  
 742-VII  
 4422—Schematic, Operating  
 Voltages, Chassis Lay-  
 out, Trimmer Locations  
 742-VII  
 4423—Schematic, Operating  
 Voltages, Chassis Lay-  
 out, Trimmer Locations  
 742-VII  
 4424—Schematic, Operating  
 Voltages, Chassis Lay-  
 out, Trimmer Locations  
 742-VII  
 4442—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....1039-VII  
 4443—Schematic, Operating  
 Voltages .....463-VII  
 4821—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....1040-VII  
 4822—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....1040-VII

CANADIAN WESTINGHOUSE  
COMPANY Limited

A-44—Schematic, Operating  
 Voltages, Service Data  
 162-VII  
 6 Tube AC, 1928 Model  
 372-I  
 B64—Schematic, Socket  
 Voltages, Wiring Diagram  
 179-VI  
 B74—Schematic, Trimmers  
 180-VI  
 B74—Wiring Diagram .....181-VI  
 B74—Socket Voltages .....182-VI  
 B-83 .....132-V  
 B-103 .....133-V  
 B265A—Schematic .....202-VI  
 B265A—Wiring Diagram  
 203-VI  
 B285A—Schematic .....206-VI  
 B285X—Schematic .....206-VI  
 B365A—Schematic .....208-VI  
 B365A—Wiring Diagram  
 209-VI  
 B365X—Schematic .....208-VI  
 B365X—Wiring Diagram  
 209-VI  
 B-385—Schematic, Service  
 Data .....161-VII  
 B-428A—Schematic, Wiring  
 Diagram .....887-VII  
 B-428A—Alignment, Operat-  
 ing Voltages, Chassis  
 Layout, Trimmer Loca-  
 tions .....888-VII  
 B-428A—Parts List .....889-VII  
 B517A—Schematic .....15-VII  
 B517A—Alignment, Operat-  
 ing Voltages, Trimmer  
 Locations, Parts List  
 16-VII  
 B517X—Schematic .....15-VII  
 B517X—Alignment, Operat-  
 ing Voltages, Trimmer  
 Locations, Parts List  
 16-VII  
 B-624A—Schematic, Wiring  
 Diagram .....890-VII  
 B-624A—Alignment, Operat-  
 ing Voltages, Chassis  
 Layout, Trimmer Loca-  
 tions .....891-VII  
 B-624A—Parts List .....892-VII  
 B-624X—Schematic, Wiring  
 Diagram .....890-VII  
 B-624X—Alignment, Operat-  
 ing Voltages, Chassis  
 Layout, Trimmer Loca-  
 tions .....891-VII  
 B-624X—Parts List .....892-VII  
 B634—Schematic, Socket  
 Voltages, Wiring Dia-  
 gram .....179-VI  
 B718—Schematic, Speaker  
 Connections .....327-VII  
 B718—Wiring Diagram  
 328-VII  
 B718—Operating Voltages,  
 Trimmer Locations, Dia-  
 gram of Vibrator .....329-VII  
 B-725A—Schematic, Operat-  
 ing Voltages, Speaker  
 Connections .....1041-VII  
 B-725A—Wiring Diagram  
 1042-VII  
 B-725A—Alignment, Operat-  
 ing Voltages, Chassis  
 Layout, Trimmer Loca-  
 tions, Service Data .....1043-VII  
 B-725A—Parts List .....1044-VII  
 B-725X—Schematic, Operat-  
 ing Voltages, Speaker  
 Connections .....1041-VII  
 B-725X—Wiring Diagram  
 1042-VII  
 B-725X—Alignment, Operat-  
 ing Voltages, Chassis  
 Layout, Trimmer Loca-  
 tions, Service Data .....1043-VII

B-725X—Parts List .....1044-VII  
 B819—Schematic, Service  
 Data .....330-VII  
 B819—Diagram of Vibrator  
 329-VII  
 B-826A—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Speaker Connections  
 1175-VII  
 B-826A—Wiring Diagram,  
 Operating Voltages,  
 Trimmer Locations .....1176-VII  
 B-826A—Alignment, Service  
 Data .....1177-VII  
 B-826A—Parts List .....1178-VII  
 B-826X—Schematic, Chassis  
 Layout, Trimmer Loca-  
 tions, Speaker Connections  
 1175-VII  
 B-826X—Wiring Diagram,  
 Operating Voltages,  
 Trimmer Locations .....1176-VII  
 B-826X—Alignment, Service  
 Data .....1177-VII  
 B-826X—Parts List .....1178-VII  
 Service Oscillator  
 No. H25405 .....388-III  
 Universal Tube Tester .....386-III  
 W55A .....371-I  
 W57 .....371-I  
 W58 .....371-I  
 W60 .....371-I  
 W165A—Wiring Diagram  
 191-VI  
 W165X—Wiring Diagram  
 191-VI  
 W165Y—Wiring Diagram  
 191-VI  
 W175A—Schematic, Socket  
 Voltages .....192-VI  
 W175A—A. F. Wiring  
 Diagram .....194-VI  
 W175A—R. F. Wiring  
 Diagram .....193-VI  
 W175X—Schematic, Socket  
 Voltages .....192-VI  
 W175X—A. F. Wiring  
 Diagram .....194-VI  
 W175X—R. F. Wiring  
 Diagram .....193-VI  
 W175Y—Schematic, Socket  
 Voltages .....192-VI  
 W175Y—A. F. Wiring  
 Diagram .....194-VI  
 W175Y—R. F. Wiring  
 Diagram .....193-VI  
 W195X—Schematic, Socket  
 Voltages .....197-VI  
 W195Y—Schematic, Socket  
 Voltages .....197-VI  
 W255A—Wiring Diagram  
 201-VI  
 W255X—Wiring Diagram  
 201-VI  
 W255Y—Wiring Diagram  
 201-VI  
 W275A—Schematic, Socket  
 Voltages .....204-VI  
 W275A—A. F. Wiring  
 Diagram .....194-VI  
 W275X—Schematic, Socket  
 Voltages .....204-VI  
 W275X—A. F. Wiring  
 Diagram .....194-VI  
 W275Y—Schematic, Socket  
 Voltages .....204-VI  
 W275Y—A. F. Wiring  
 Diagram .....194-VI  
 W295X—Schematic, Socket  
 Voltages .....207-VI  
 W295Y—Schematic, Socket  
 Voltages .....207-VI  
 W565X—Schematic .....215-VI  
 W565X—Alignment, Socket  
 Voltages .....216-VI  
 W1516X—Schematic .....1502-VII  
 18 Power Unit .....372-I  
 28 .....373-I  
 29 .....373-I

44—Schematic, Wiring  
 Diagram .....178-VI  
 53 .....62-IV, 63-IV  
 54 .....124-V  
 55 .....371-I  
 61 .....400-III  
 64 .....125-V  
 69 .....373-I  
 70 .....374-I  
 71 .....410-III  
 73 .....126-V  
 80 .....375-I  
 81 .....410-III  
 82 .....64-IV, 65-IV  
 83 .....127-V  
 84—Schematic, Service Data  
 183-VI  
 84—Socket Voltages, Service  
 Data .....184-VI  
 89 .....376-I  
 90 .....377-I  
 99 .....378-I  
 99A (Same as 99) .....378-I  
 101 .....416-III  
 102 .....66-IV, 67-IV  
 103 .....128-V  
 104 .....129-V  
 110 .....379-I  
 112 SW Converter .....68-IV  
 120 .....380-I  
 122 .....69-IV, 70-IV, 71-IV  
 122A .....130-V  
 124—Schematic (1st half),  
 Service Data .....186-VI  
 124—Schematic (2nd half),  
 Socket Voltages .....187-VI  
 155A—Schematic, Socket  
 Voltages .....188-VI  
 155A—Wiring Diagram  
 189-VI  
 155X—Schematic, Socket  
 Voltages .....188-VI  
 155X—Wiring Diagram  
 189-VI  
 165A—Schematic, Socket  
 Voltages .....190-VI  
 165X—Schematic, Socket  
 Voltages .....190-VI  
 165Y—Schematic, Socket  
 Voltages .....190-VI  
 185X—Schematic, Service  
 Data .....195-VI  
 195X—Wiring Diagram,  
 Service Data .....196-VI  
 195Y—Wiring Diagram  
 Service Data .....196-VI  
 254A—Schematic, Socket  
 Voltages .....198-VI  
 254A—Wiring Diagram  
 199-VI  
 254X—Schematic, Socket  
 Voltages .....198-VI  
 254X—Wiring Diagram  
 199-VI  
 255A—Schematic, Speaker  
 Connections .....200-VI  
 255X—Schematic .....200-VI  
 255Y—Schematic .....200-VI  
 275A—R. F. Wiring  
 Diagram .....205-VI  
 275X—R. F. Wiring  
 Diagram .....205-VI  
 275Y—R. F. Wiring  
 Diagram .....205-VI  
 295X—Wiring Diagram,  
 Service Data .....196-VI  
 295Y—Wiring Diagram,  
 Service Data .....196-VI  
 410A—Schematic, Wiring  
 Diagram .....210-VI  
 410A—Service Data, Chassis  
 Layout, Socket Voltages  
 211-VI  
 420A—Schematic, Operating  
 Voltages, Chassis Layout,  
 Trimmer Locations .....609-VII  
 465A—Schematic, Socket  
 Voltages .....212-VI



# INDEX

(Page 9)

- CANADIAN WEST. (Cont'd)**
- 465A—Wiring Diagram 213-VI  
 465X—Schematic, Socket Voltages 212-VI  
 465X—Wiring Diagram 213-VI
- 511A—Schematic, Operating Voltages, Trimmer Locations, Speaker Wiring Diagram 610-VII  
 511X—Schematic, Operating Voltages, Trimmer Locations, Speaker Wiring Diagram 610-VII  
 511Y—Schematic, Operating Voltages, Trimmer Locations, Speaker Wiring Diagram 610-VII
- 533 (Same as 53) 62-IV, 63-IV  
 534 124-V  
 634 125-V  
 801 433-III  
 813A—Schematic 465-VII  
 813A—Alignment, Operating Voltages, Trimmer Locations, Speaker Connections, Parts List 466-VII  
 813X—Schematic 465-VII  
 813X—Alignment, Operating Voltages, Trimmer Locations, Speaker Connections, Parts List 466-VII  
 813Y—Schematic 465-VII  
 813Y—Alignment, Operating Voltages, Trimmer Locations, Speaker Connections, Parts List 466-VII
- 914X—Schematic, Speaker Connections 743-VII  
 914X—Wiring Diagram 744-VII  
 914X—Alignment 746-VII  
 914X—Operating Voltages, Trimmer Locations 745-VII  
 914Y—Schematic, Speaker Connections 743-VII  
 914Y—Wiring Diagram 744-VII  
 914Y—Alignment 746-VII  
 914Y—Operating Voltages, Trimmer Locations 745-VII
- 1029X—Schematic, Phono-graph Connections, Speaker Connections 1325-VII  
 1029X—Alignment, A. F. C. Data 1326-VII  
 1029X—Alignment (Cont'd.) Operating Voltages, Chassis Layout, Trimmer Locations 1327-VII  
 1029X—Alignment (Cont'd.) Parts List 1328-VII  
 1029Y—Schematic, Phono-graph Connections, Speaker Connections 1325-VII  
 1029Y—Alignment, A. F. C. Data 1326-VII  
 1029Y—Alignment (Cont'd.) Operating Voltages, Chassis Layout, Trimmer Locations 1327-VII  
 1029Y—Alignment (Cont'd.) Parts List 1328-VII  
 1230X—Schematic 1501-VII
- CAPEHART CORP.**
- CK 135-V  
 Standard Amplifier 136-V  
 28GB Orchestrope 350-I  
 120 440-II  
 140 441-II  
 181 442-III  
 181½ 442-III
- 200, 300 Phono Radio. 4HB-IIs  
 202 (W 864)—Schematic 217-VI  
 203 (W 869)—Schematic 218-VI  
 203—Amplifier (W 870) Schematic 219-VI  
 400 350C-Is, 350D-Is  
 400B S 134-V  
 400D—Schematic of Bass Amplifier (W 867) 220-VI  
 400D—Schematic of Tuner (W 877) 221-VI  
 400D—Schematic of Treble Amplifier (W 868) 220-VI  
 401 350C-Is, 350D-Is  
 402 350C-Is, 350D-Is
- CARTER GENEMOTOR CORP.**
- Directions for installing Genemotor 72-IV  
 1135A 137-V  
 1180A 137-V  
 1235A 137-V  
 1280A 137-V  
 2635 137-V  
 2680A 137-V  
 4635A 137-V  
 4680A 137-V
- CASE ELECTRIC CORPORATION**
- 19—Schematic 17-VII  
 19—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations, Parts List 18-VII  
 19A—Schematic 17-VII  
 19A—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations, Parts List 18-VII  
 27—Schematic, Operating Voltages 163-VII  
 27—Alignment, Trimmer Locations, Parts List 164-VII  
 27A—Schematic, Operating Voltages 163-VII  
 27A—Alignment, Trimmer Locations, Parts List 164-VII
- 110—Schematic, Parts List 331-VII  
 110—Alignment, Operating Voltages, Trimmer Locations 332-VII  
 110A—Schematic, Parts List 331-VII  
 110A—Alignment, Operating Voltages, Trimmer Locations 332-VII
- 710A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 710A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 710AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 710AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 713A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 713A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 713AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII
- 713AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 714A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 714A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 714AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 714AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 715A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 715A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 715AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 715AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 716A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 716A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 716AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 716AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 718A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 718A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 718AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 718AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 719A (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 719A (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 719AR (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 719AR (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 915 (Chassis 19 & 19A) Schematic 17-VII  
 915 (Chassis 19 & 19A) Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations, Parts List 18-VII  
 916 (Chassis 19 & 19A) Schematic 17-VII  
 916 (Chassis 19 & 19A) Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations, Parts List 18-VII  
 917 (Chassis 19 & 19A) Schematic 17-VII  
 917 (Chassis 19 & 19A) Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations, Parts List 18-VII  
 918 (Chassis 19 & 19A) Schematic 17-VII  
 918 (Chassis 19 & 19A) Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations, Parts List 18-VII
- 7113 (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 7113 (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII  
 7113R (Chassis 27 & 27A) Schematic, Operating Voltages 163-VII  
 7113R (Chassis 27 & 27A) Alignment, Trimmer Locations, Parts List 164-VII
- CENTRAL RADIO LAB.**
- Volume Control Replacement Data, 537—544-II
- CENTRALIZED RADIO:**
- AF-6100 340N to 340P-IIs  
 AF-6175 Speaker 340C-IIs  
 ER-124A 340-I to 340M-IIs  
 ER-1240 340D to 340H-IIs  
 ER-1240-AZ 238-IV, 239-IV, 240-IV  
 RF Distribution System 329-II  
 RF-5100 DC 340A-IIs  
 RF-5600 340B-IIs
- CHAMPION RADIO**
- 4 Tube AC-DC—Schematic 333-VII  
 5 Tube 3 Band Superhet. Schematic, Trimmer Locations, Service Data 166-VII  
 6 Tube 3 Band Superhet. Schematic, Service Data 165-VII  
 40DW—Schematic 1045-VII  
 40DWM—Schematic 1045-VII  
 40R—Schematic 1045-VII  
 40RM—Schematic 1045-VII  
 42—Schematic 893-VII  
 52—Schematic 334-VII  
 52A—Schematic 467-VII  
 52DWG—Schematic 333-VII  
 500 Auto Radio—Schematic 334-VII  
 501—Schematic 894-VII  
 558—Schematic 1045-VII  
 600—6 Tube Auto Radio—Schematic 1046-VII  
 1437—Wiring Diagram 468-VII
- CLARION**
- See Transformer Corp. of America
- CLEARTONE RADIO CORP.**
- 60 Golderest 112-I  
 70 Clearodyne 113-I  
 80 112-I  
 100 Cleartone 113-I  
 110 Compact 114-I  
 112 114-I
- CLIMAX RADIO & TELEVISION CO., Inc.**
- Diamond—Schematic, Parts List 1047-VII  
 Duke—Schematic, Parts List 1047-VII  
 Opal—Schematic, Parts List 1048-VII

# INDEX

(Page 10)

**CLIMAX RADIO (Cont'd)**

A-4—Schematic, Parts List 335-VII  
 AA (Same as 4 Tube T.R.F. 2-Band)—Schematic, Chassis Layout, Operating Instructions 168-VII  
 AAX (Same as 4 Tube T.R.F. 2-Band)—Schematic, Chassis Layout, Operating Instructions 168-VII  
 AB (Early) (Same as 5 Tube 2-Band Superheterodyne Set)—Schematic, Operating Instructions 19-VII  
 ABX (Early) (Same as 5 Tube 2-Band Superheterodyne Set)—Schematic, Operating Instructions 19-VII  
 ABX (Late)—Schematic, Parts List 611-VII  
 AB-5 (Same as 5 Tube 2-Band Superheterodyne Set)—Schematic, Operating Instructions 19-VII  
 AC60—Schematic, Parts List 747-VII  
 AC61—Schematic, Parts List 747-VII  
 AC64—Schematic, Parts List 747-VII  
 AC64-B—Schematic, Parts List 747-VII  
 AC65—Schematic, Parts List 747-VII  
 AD—Schematic, Parts List 747-VII  
 AJ—Schematic, Alignment, Chassis Layout, Trimmer Locations 1503-VII  
 AKE—Schematic, Parts List 1047-VII  
 AL—Schematic, Chassis Layout 1504-VII  
 ASE—Schematic, Chassis Layout 1504-VII  
 ASW-4—Schematic, Parts List 335-VII  
 ATE—Schematic, Chassis Layout 1504-VII  
 AX—Schematic, Chassis Layout 1504-VII  
 B—Schematic, Parts List 336-VII  
 C—Schematic, Parts List 336-VII  
 D—Schematic, Parts List 336-VII  
 E—Schematic, Parts List 337-VII  
 F—Schematic, Parts List 337-VII  
 G—Schematic, Parts List 469-VII  
 HE—Schematic, Parts List 612-VII  
 JE—Schematic, Parts List 612-VII  
 JEBT—Schematic 167-VII  
 JL—Schematic, Parts List 748-VII  
 KSW-4—Schematic, Parts List 613-VII  
 LEE SW-5—Schematic, Parts List 613-VII  
 M All-Wave—Schematic, Parts List 614-VII  
 M—Schematic, Parts List 20-VII  
 ME—Schematic, Parts List 20-VII  
 MEBT—Schematic, Parts List 20-VII  
 M-4—Schematic, Parts List 335-VII  
 Q-69—Schematic, Parts List 1048-VII

R—Schematic, Parts List 469-VII  
 SBT—Schematic 167-VII  
 Z-55—Schematic, Parts List 748-VII  
 4 Tube AC-DC—Schematic, Parts List 615-VII  
 4 Tube Battery Broadcast Set—Schematic, Parts List 616-VII  
 4 Tube T.R.F. Two-band Schematic, Chassis Layout, Operating Instructions 168-VII  
 5 Tube AC-DC—Schematic Parts List 615-VII  
 5 Tube 2-Band Superheterodyne Set—Schematic, Operating Instructions 19-VII  
 5 Tube T.R.F. Two-Band Schematic, Chassis Layout, Operating Instructions 168-VII  
 6 Tube Battery All-Wave Set—Schematic, Parts List 616-VII  
 6 Tube 2-Band Superheterodyne Set—Schematic, Operating Instructions 19-VII  
 7—Schematic, Parts List 470-VII  
 7B—Schematic, Parts List 895-VII  
 10 to 19—Schematic, Parts List 896-VII  
 30 to 34—Schematic, Parts List 896-VII  
 35—Schematic 472-VII  
 35X—Schematic, Parts List 470-VII  
 40—Schematic 472-VII  
 49—Schematic 472-VII  
 50 to 59—Schematic, Parts List 611-VII  
 66—Schematic, Parts List 614-VII  
 90—Schematic, Parts List 338-VII  
 90B to 99B—Schematic, Parts List 895-VII  
 99—Schematic, Parts List 338-VII  
 457—Schematic, Parts List 471-VII  
 557—Schematic, Parts List 471-VII

**CLINTON MANUFACTURING CO., Inc.**

50-A6—Schematic 339-VII  
 61-A6—Schematic 340-VII  
 145—Schematic 339-VII  
 147—Schematic 340-VII  
 149—Schematic 340-VII  
 155—Schematic 339-VII  
 185—Schematic 339-VII  
 195—Schematic 339-VII  
 205—Schematic 339-VII  
 215—Schematic 340-VII  
 216—Schematic 340-VII  
 225—Schematic 339-VII  
 235—Schematic 339-VII  
 240—Schematic 340-VII  
 532—Schematic 339-VII  
 601—Schematic 340-VII  
 638—Schematic 339-VII  
 701—Schematic 340-VII  
 735—Schematic 339-VII  
 1101—Schematic 340-VII  
 1103—Schematic 340-VII

**COLONIAL RADIO CORP.**

Colonial D. C. 306-III  
 C-399 162-V

C-495 163-V  
 C-595 159-V  
 C-695 160-V  
 C-995 161-V  
 T-345 162-V  
 T-397 163-V  
 16 Battery 116B-Is  
 31 AC 115-I, 299-III  
 31 DC 116-I, 300-III, 340-III  
 32 AC 117-I, 302-III, 304-III, 308-III, 313-III, 317-III, 318-III, 320-III  
 32 DC 116-I, 302-III, 308-III, 313-III, 317-III, 320-III  
 33 309-III, 139-III, 321-III  
 33 A.C. 330-I, 307-III, 314-III  
 33 DC 116B-I  
 34 319-III, 321-III  
 34 AC 330-I  
 34 DC 116B-I  
 36 108D-I  
 36 314-III  
 47 327-III  
 56 138-V  
 62 139-V  
 106B 140-V  
 106 Power Supply 140-V  
 128B 141-V  
 136 142-V  
 150 143-V  
 164 144-V  
 164B 144-V  
 182 145-V  
 250 146-V  
 250 AC 147-V  
 250 AC Extended Range 148-V  
 250 AC—DC Extended Range 149-V  
 279 146-V  
 279 AC 147-V  
 300 146-V  
 300 AC 147-V  
 300 AC Extended Range 148-V  
 300 AC—DC Extended Range 149-V  
 301 146-V  
 301 AC 147-V  
 400 150-V  
 500 146-V  
 501 AC 152-V  
 501 151-V  
 600 153-V  
 600A 153-V  
 601 154-V  
 602 155-V  
 650 156-V  
 700 157-V  
 700 AC 158-V  
 701 157-V  
 701 AC 158-V  
 702 157-V  
 702 AC 158-V

**COLUMBIA PHONO. & RADIO CORP.**

C-1 6 Tubes 60 Cycles 118-I  
 C-2 7 Tubes 60 Cycles 118-I  
 C-3 6 Tubes 25 Cycles 118-I  
 C-4 7 Tubes 25 Cycles 119-I  
 C-5 119-I  
 C-6 6 Tube DC 123-I  
 C-7 6 Tube DC 123-I  
 C-25-31 209-II  
 C-25-32 209-II  
 C-25-33 208-II  
 C-25-34 208-II  
 C-31 209-II  
 C-32 209-II  
 C-33 208-II  
 C-34 208-II  
 C-80-A 210E-IIs  
 C-80-B 210F-IIs  
 C-90-A, C-90-B 210C-IIs  
 C-100 536-II  
 C-120 B Chassis 164-V  
 C-800 210D-IIs

300 Phonograph 120-I  
 900 Phonograph 122-I  
 901 Phonograph 122-I  
 902 Phonograph 121-I  
 930 Phonograph 120-I  
 931 Phonograph 120-I  
 950 Combination 121-I  
 980 Combination 124-I  
 980 Power Pack 123-II

**COLUMBIA RADIO CO.**

AC-5 165-V  
 Screen Grid 8, 118B-Is, 125-I

**CONSOLIDATED INDUSTRIES PRODUCTS, Ltd.**

**Also see Canadian Radio Corp.**

S70—Schematic 169-VII  
 514 166-V  
 608-A-B-C-D 73-IV  
 608-G 74-IV  
 708-A-B-F 75-IV  
 801 76-IV  
 802 76-IV  
 840 167-V  
 850 167-V  
 853 167-V  
 855 77-IV  
 885B 77-IV  
 902-A-F-B 168-V  
 905 78-IV  
 907 79-IV

**CONTINENTAL RADIO & TELEVISION CORP.**

A1 Series—Schematic, Chassis Layout, Trimmer Locations 342-VII  
 A2 Series—Schematic, Chassis Layout, Trimmer Locations 343-VII  
 A3 Series—Schematic, Chassis Layout, Trimmer Locations 341-VII  
 AM3—Schematic, Chassis Layout, Trimmer Locations 21-VII  
 AM3—Alignment, Parts List 22-VII  
 AM4—Chassis—Schematic, Chassis Layout, Trimmer Locations 22-VII  
 AM4—Chassis—Alignment, Parts List 24-VII  
 AM6 Series—Schematic, Chassis Layout, Trimmer Locations 344-VII  
 AM7 Series—Schematic, Alignment, Chassis Layout, Trimmer Locations, Parts List 473-VII  
 AM8 Series—Schematic of A.F. Amplifier, Chassis Layout of A.F. Amplifier, Parts List of A.F. Amplifier 618-VII  
 AM8 Series—Schematic of R.F. Tuner, Chassis Layout of R.F. Tuner, Trimmer Locations 617-VII  
 AM8 Series—Alignment, Parts List 619-VII  
 AM387 (Chassis AM3) Schematic, Chassis Layout, Trimmer Locations 21-VII  
 AM387 (Chassis AM3) Alignment, Parts List 22-VII  
 B1 Series—Schematic, Alignment 749-VII

# INDEX

(Page 11)

**CONTINENTAL (Cont'd)**

**B2 Series—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 750-VII

**B125—Schematic, Alignment** ..... 749-VII

**B225—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 750-VII

**B3 Series—Schematic, Alignment** ..... 620-VII

**BA41 Auto Set—Schematic, Alignment, Service Hints** ..... 474-VII

**L5—Chassis Layout, Schematic** ..... 222-VI

**L6—Schematic, Chassis Layout** ..... 223-VI

**L7—Schematic, Chassis Layout** ..... 224-VI

**M1—Schematic, Chassis Layout** ..... 225-VI

**M5 Series—Schematic, Chassis Layout, Trimmer Locations** ..... 751-VII

**M5 Series—Alignment, Battery Connections, Service Data** ..... 752-VII

**Model Nine** ..... 126-I

**R-20** ..... 169-V

**R-25** ..... 169-V

**R-30** ..... 169-V

**RP-40** ..... 169-V

**Tam Luner** ..... 170-V

**Ten** ..... 126-I

**X8—Schematic, Chassis Layout** ..... 226-VI

**Z2—Schematic, Chassis Layout** ..... 227-VI

**Z3—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 397-VII

**Z3—Alignment** ..... 398-VII

**Z4 (revised)—Schematic, Layout** ..... 228-VI

**Z5 Auto Set—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 899-VII

**Z5 Auto Set—Alignment** ..... 900-VII

**Z344—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 897-VII

**Z344—Alignment** ..... 898-VII

**5M—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 1179-VII

**5M—Alignment** ..... 1181-VII

**5VU—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 1182-VII

**5VU—Alignment** ..... 1184-VII

**5X—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 1505-VII

**6L—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 1180-VII

**6L—Alignment** ..... 1181-VII

**6P—Schematic, Chassis Layout, Trimmer Locations** ..... 1049-VII

**6P—Alignment, Service Data** ..... 1050-VII

**6PU—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 1183-VII

**6PU—Alignment, Service Hints** ..... 1184-VII

**6W—Schematic, Alignment, Chassis Layout, Parts List** ..... 1506-VII

**6Y—Schematic, Alignment, Chassis Layout, Parts List** ..... 1507-VII

**7J—Schematic, Chassis Layout, Trimmer Locations** ..... 1051-VII

**7J—Alignment, Service Data** ..... 1052-VII

**7M—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 1329-VII

**7MU—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 1330-VII

**8K—Schematic, Chassis Layout, Trimmer Locations, Parts List** ..... 1331-VII

**8K—Alignment, Automatic Dial Data** ..... 1332-VII

**11 Tube Model** ..... 129-I

**29-A with 171-L** ..... 126-I

**29-A with 250-L** ..... 127-I

**29-B with 171-L** ..... 126-I

**29-B with 250-L** ..... 127-I

**29-C with 171-L** ..... 127-I

**29-C with 250-L** ..... 128-I

**29-D with 250-L** ..... 128-I

**29 Series Circuit Data** ..... 128-I

**77—Schematic, Alignment, Chassis Layout, Parts List** ..... 1508-VII

**150—Schematic, Alignment, Chassis Layout, Parts List** ..... 1507-VII

**155—Schematic, Alignment, Chassis Layout, Parts List** ..... 1507-VII

**160—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 1505-VII

**165—Schematic, Alignment, Chassis Layout, Parts List** ..... 1506-VII

**770—Schematic, Alignment, Chassis Layout, Parts List** ..... 1508-VII

**975—Schematic, Alignment, Chassis Layout, Parts List** ..... 1506-VII

**980—Schematic, Alignment, Chassis Layout, Trimmer Locations** ..... 1505-VII

**S. H. COUCH CO., Inc.**  
(Sampson Amplifiers)

**Mik-2** ..... 174-V

**Mik-3** ..... 174-V

**Mix-2** ..... 174-V

**410** ..... 171-V

**430** ..... 171-V

**435** ..... 173-V

**470** ..... 172-V

**475** ..... 172-V

**480** ..... 173-V

**485** ..... 173-V

**CROSLEY RADIO CORPORATION**

**Bandbox** ..... 140-I

**Bandbox, Jr.** ..... 140-I

**Buddy** ..... 140-I, 333-III

**Chum** ..... 140-I, 333-III

**Fiver (Same as 516)** ..... 262-VI

**Fiver—Schematic, Operating Voltages** ..... 1511-VII

**Fiver—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List** ..... 1512-VII

**Fiver Roamio—Schematic, Operating Voltages** ..... 901-VII

**Fiver Roamio—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List** ..... 902-VII

**New Buddy** ..... 354-I

**RFL-90** ..... 381-I

**Roamio** ..... 211-II

**Showbox** ..... 299-III, 328-III, 342-III

**Showchest** ..... 299-III

**Teletune Fiver—Schematic, Operating Voltages** ..... 1511-VII

**Teletune Fiver—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List** ..... 1512-VII

**A156—Schematic, Operating Voltages, Parts List** ..... 253-VI

**A-157—Schematic, Operating Voltages** ..... 901-VII

**A-157—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List** ..... 902-VII

**A166—Schematic, Parts List, Operating Voltages** ..... 254-VI

**A167—Schematic** ..... 347-VII

**A167—Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations** ..... 348-VII

**A-177—Wiring Diagram** ..... 621-VII

**A-177—Alignment, Operating Voltages** ..... 622-VII

**A-177—Chassis Layout, Under Chassis Layout, Parts List** ..... 623-VII

**A266—Schematic, Parts List** ..... 25-VII

**A266—Alignment, Operating Voltages, Chassis Layout** ..... 26-VII

**A366—Schematic, Operating Voltages** ..... 27-VII

**A366—Alignment, Chassis Layout, Under Chassis Layout, Parts List** ..... 28-VII

**B637 (Chassis 586) Schematic, Parts List** ..... 29-VII

**B637 (Chassis 586) Alignment, Operating Voltages, Chassis Layout** ..... 30-VII

**C-516—Schematic** ..... 753-VII

**C-516—Alignment, Operating Voltages, Chassis Layout, Parts List** ..... 754-VII

**C-516 (Above Serial No. 1,308,741)—Schematic** ..... 755-VII

**C-516 (Above Serial No. 1,308,741)—Alignment, Operating Voltages, Chassis Layout, Parts List** ..... 756-VII

**C526 (Chassis 596) Schematic, Alignment, Operating Voltages, Under Chassis Layout** ..... 173-VII

**C629 (Chassis 676) Schematic, Parts List** ..... 171-VII

**C629 (Chassis 676) Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout** ..... 172-VII

**V** ..... 131-I

**XI** ..... 131-I

**XJ** ..... 210-II

**XL** ..... 210-II

**2C1—Schematic, Operating Voltages, Parts List** ..... 229-VI

**3B** ..... 131-I

**3C** ..... 131-I

**3R3** ..... 131-I

**4A1—Schematic, Operating Voltages, Parts List** ..... 230-VI

**4B1—Schematic, Parts List** ..... 231-VI

**4-29** ..... 132-I

**5A1—Schematic** ..... 232-VI

**5A3—Roamio, Schematic** ..... 233-VI

**5A3—Roamio, Operating Voltages, Parts List** ..... 234-VI

**5B3—Schematic, Parts List** ..... 235-VI

**5C2—Schematic, Operating Voltages, Parts List** ..... 236-VI

**5H1—Schematic, Parts List, Under Chassis Layout, Operating Voltages** ..... 237-VI

**5M3—Operating Voltages, Parts List, Schematic** ..... 238-VI

**5V1—Schematic, Operating Voltages, Parts List** ..... 239-VI

**5V2—Schematic, Parts List, Operating Voltages** ..... 240-VI

**5-38** ..... 131-I

**6B1—Battery Set, Schematic, Parts List** ..... 241-VI

**6B1—Battery Set, Chassis Layout, Under Chassis View** ..... 242-VI

**6B1—Battery Set, Alignment** ..... 243-VI

**6H2—Schematic, Parts List, Under Chassis View, Operating Voltages** ..... 244-VI

**6H3—Schematic, Parts List** ..... 245-VI

**6V2** ..... 175-V

**6-60** ..... 139-I

**6-85** ..... 139-I

**7H2—Schematic, Parts List, Under Chassis View, Operating Voltages** ..... 246-VI

**7H3—Schematic, Parts List, Operating Voltages** ..... 247-VI

**7V2—Schematic, Parts List** ..... 248-VI

**7** ..... 444-III

**7-1** ..... 451-III

**7-2** ..... 451-III

**8B3—Schematic, Parts List** ..... 249-VI

**8H1—Schematic, Chassis Layout, Operating Voltages, Parts List** ..... 250-VI

**10** ..... 176-V

**20** ..... 210-II

**21** ..... 210-II

**22** ..... 210-II

**26** ..... 138D-Is

**27** ..... 445-III

**28** ..... 445-III

**28 Series B** ..... 212-II

**30S** ..... 132-I

**31S** ..... 132-I

**33S** ..... 132-I

**34S** ..... 132-I

**38** ..... 177-V

**40S** ..... 132-I, 133-I

**41** ..... 139-I

**41A** ..... 139-I

**41S** ..... 132-I, 133-I

**42** ..... 139-I

**42S** ..... 132-I, 133-I

**47** ..... 210A & B-IIs

**48** ..... 358A-I

**51** ..... 131-I

**53** ..... 354-I

**54** ..... 354-I

**55** ..... 138C-Is

**56** ..... 138C-Is

**57** ..... 354-I

**58** ..... 138A-Is

**59** ..... 138D-Is

**60S** ..... 134-I

**61S** ..... 134-I

**62S** ..... 134-I

**63S** ..... 134-I

**76** ..... 138D-I

**77** ..... 213-II, 138F-Is

**77-1** ..... 138A-Is

**77A, 77B, 77L** ..... 138F-Is

**82S** ..... 132-I, 133-I

**84** ..... 138-F-Is

**84C, 84D** ..... 138F-Is

**90** ..... 80-IV

**91** ..... 138-Is, 80-IV

**92** ..... 80-IV

# INDEX

(Page 12)

**CROSLEY RADIO (Cont'd)**

- 92 Battery ..... 212-II  
 92 Series B ..... 212-II  
 95 96 Auto ..... 214B-IIs  
 98 ..... 178-V  
 99 ..... 179-V  
 102 ..... 180-V  
 103—Schematic, Operating Voltages, Parts List 251-VI  
 104 Power Unit ..... 213-II  
 104R Power Unit ..... 213-II  
 105 Power Unit ..... 213-II  
 105R Power Unit ..... 213-II  
 106 Power Unit ..... 213-II  
 117 (Same as 916)..... 291-VI  
 117—Schematic, Battery Connections, Parts List 1514-VII  
 119—Schematic ..... 252-VI  
 120 ..... 138E-Is  
 121 Series A ..... 445-III  
 121 Series B ..... 212-II  
 121-1 Series B ..... 212-II  
 122 ..... 214-II, 215-II  
 123 ..... 214-II, 215-II  
 124 ..... 215-II, 342-III  
 124-1 ..... 81-IV, 82-IV  
 125 ..... 444-III  
 126 ..... 446-III  
 126-1 ..... 446-III  
 127 ..... 448-III  
 127—I—Schematic ..... 174-VII  
 128 ..... 447-III  
 129, 129-1 ..... 83-IV  
 130-1 ..... 181-V  
 131 ..... 447-III  
 132 ..... 85-IV  
 132-1 ..... 85-V  
 133 ..... 86-IV  
 134, 134-1 ..... 87-IV  
 135 ..... 89-IV  
 136-1 ..... 90-IV  
 137 ..... 91-IV  
 141 ..... 92-IV  
 143 ..... 182-V  
 146-146-1 ..... 93-IV, 94-IV  
 147 ..... 95-IV  
 148 ..... 96-IV  
 150 ..... 97-IV  
 154 ..... 98-IV  
 155 ..... 99-IV  
 156 ..... 99-IV  
 157 ..... 101-IV  
 158 ..... 102-IV  
 159 ..... 183-V  
 160 ..... 103-IV  
 163 ..... 104-IV  
 164 ..... 184-V  
 166 ..... 185-V  
 167 ..... 186-V  
 167 Series 2—Schematic, Operating Voltages, Parts List ..... 476-VII  
 168 ..... 187-V  
 169 ..... 188-V  
 170 ..... 189-V  
 171 ..... 190-V  
 172 ..... 191-V  
 173 ..... 192-V  
 173-5 ..... 192-V  
 174 ..... 193-V  
 175 ..... 194-V  
 176 ..... 195-V  
 178 ..... 196-V  
 179 ..... 197-V  
 180 ..... 198-V  
 181—Schematic, Operating Voltages, Parts List 255-VI  
 182 ..... 199-V  
 184—Parts List, Schematic, Operating Voltages 256-VI  
 287 Speaker ..... 215-II  
 295 (Same as 516)..... 262-VI  
 297 Speaker ..... 215-II  
 305-J Speaker ..... 215-II  
 306-J Speaker ..... 215-II  
 306-M Speaker ..... 215-II  
 349 (Same as 526)..... 265-VI  
 395 (Same as 526)..... 265-VI  
 401 ..... 133-I  
 401A ..... 140-I  
 415—Schematic, Parts List, Chassis Layout, Operating Voltages ..... 257-VI  
 416—Schematic, Alignment, Operating Voltages, Parts List ..... 170-VII  
 425—Schematic, Parts List, Operating Voltages..... 258-VI  
 435—Schematic, Parts List, Operating Voltages, Chassis Layout, Under Chassis View ..... 259-VI  
 449 (Same as 616)..... 274-VI  
 495 (Same as 616)..... 274-VI  
 505—Schematic, Parts List 263-VI  
 505—Alignment, Chassis Layout, Under Chassis View ..... 264-VI  
 506—Schematic ..... 753-VII  
 506—Alignment, Operating Voltages, Chassis Layout, Parts List ..... 754-VII  
 506 (Above Serial No. 1,308,741)—Schematic ..... 755-VII  
 506 (Above Serial No. 1,308,741)—Alignment, Operating Voltages, Chassis Layout, Parts List ..... 756-VII  
 515—Schematic, Parts List 260-VI  
 515—Alignment, Chassis Layout, Under Chassis View ..... 261-VI  
 516—Schematic, Parts List 262-VI  
 517—Schematic, Operating Voltages ..... 1511-VII  
 517—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List..... 1512-VII  
 517 (Above Serial No. 4,032,103)—Schematic, Operating Voltages ..... 1509-VII  
 517 (Above Serial No. 4,032,103)—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 1510-VII  
 525—Schematic, Parts List 263-VI  
 525—Alignment, Chassis Layout, Under Chassis Layout ..... 264-VI  
 526—Schematic, Parts List, Operating Voltages ..... 265-VI  
 529 (Same as 516)..... 262-VI  
 534—Schematic ..... 266-VI  
 534—Chassis Layout, Under Chassis Layout, Parts List ..... 267-VI  
 534—Alignment ..... 268-VI  
 535—Schematic, Parts List Chassis Layout, Under Chassis Layout, Operating Voltages ..... 269-VI  
 536—Schematic, Alignment, Operating Voltages, Under Chassis Layout ..... 175-VII  
 537—Schematic, Alignment, Chassis Layout, Operating Voltages, Parts List ..... 1513-VII  
 546—Schematic, Operating Voltages, Parts List 476-VII  
 547—Schematic, Operating Voltages ..... 1511-VII  
 547—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List..... 1512-VII  
 547 (Above Serial No. 4,338,750)—Schematic, Operating Voltages ..... 1509-VII  
 547 (Above Serial No. 4,338,750)—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 1510-VII  
 555—Schematic, Parts List, Under Chassis Layout, Operating Voltages..... 271-VI  
 556—Schematic, Operating Voltages, Parts List ..... 345-VII  
 557—Schematic, Battery Connections, Parts List ..... 1514-VII  
 566—Schematic, Operating Voltages, Parts List ..... 346-VII  
 567—Schematic, Operating Voltages, Speaker Connections ..... 903-VII  
 567—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 904-VII  
 577—Schematic ..... 1515-VII  
 577—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List..... 1516-VII  
 577 (Above Serial No. 1,417,950)—Schematic ..... 1515-VII  
 577 (Above Serial No. 1,417,950)—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1516-VII  
 586—Schematic, Parts List 29-VII  
 586—Alignment, Operating Voltages, Chassis Layout ..... 30-VII  
 596—Schematic, Alignment, Operating Voltages, Under Chassis Layout ..... 173-VII  
 601 ..... 135-I  
 602 AC ..... 210-II, 140-I  
 605—Schematic, Parts List, Chassis Layout, Under Chassis Layout, Operating Voltages ..... 272-VI  
 608 ..... 133-I  
 609 ..... 137-I, 306-III  
 610 ..... 137-I, 306-III  
 614 (Same as 6H3)..... 245-VI  
 615—Schematic, Parts List, Chassis Layout, Under Chassis Layout ..... 273-VI  
 616—Schematic, Parts List, Operating Voltages..... 274-VI  
 626—Schematic, Parts List, Operating Voltages..... 275-VI  
 629—Schematic ..... 757-VII  
 629—Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout, Parts List ..... 758-VII  
 634—Schematic, Operating Voltages ..... 905-VII  
 634—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 906-VII  
 635—Schematic, Parts List 276-VI  
 635—Alignment ..... 277-VI  
 636—Schematic, Trimmer Locations, Parts List ..... 477-VII  
 636—Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 478-VII  
 644—Schematic ..... 757-VII  
 644—Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout, Parts List ..... 758-VII  
 645—Schematic, Parts List, Operating Voltages, Chassis Layout, Under Chassis Layout ..... 278-VI  
 646—Schematic ..... 624-VII  
 646—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations, Parts List ..... 625-VII  
 649—Schematic, Operating Voltages ..... 905-VII  
 649—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 906-VII  
 655—Schematic, Parts List, Chassis Layout, Under Chassis Layout ..... 279-VI  
 656—Schematic, Operating Voltages ..... 905-VII  
 656—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 906-VII  
 666—Schematic ..... 757-VII  
 666—Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout, Parts List ..... 758-VII  
 676—Schematic, Parts List 171-VII  
 676—Alignment, Operating Voltages, Chassis Layout, Under Chassis Layout ..... 172-VII  
 699 (Same as 626)..... 275-VI  
 704 ..... 137-I  
 704A ..... 134-I  
 704B ..... 136-I  
 705 ..... 211-II, 136A-Is  
 706 ..... 136-I  
 714—Schematic, Parts List 280-VI  
 715—Schematic, Parts List 281-VI  
 715—Alignment ..... 282-VI  
 716—Schematic, Operating Voltages ..... 907-VII  
 716—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 908-VII  
 725—Schematic ..... 283-VI  
 725—Parts List, Chassis Layout, Under Chassis Layout, Operating Voltages ..... 284-VI  
 726—Schematic ..... 1053-VII  
 726—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations, Parts List ..... 1054-VII  
 736—Schematic, Operating Voltages ..... 1055-VII  
 736—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 1056-VII  
 744—Schematic, Operating Voltages ..... 907-VII  
 744—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 908-VII  
 745—Schematic, Operating Voltages ..... 907-VII  
 745—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 908-VII  
 759—Schematic, Operating Voltages ..... 1056-VII  
 759—Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 1056-VII  
 769—Schematic ..... 1053-VII  
 769—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations, Parts List ..... 1054-VII

# INDEX

(Page 13)

**CROSLEY RADIO (Cont'd)**

804 .....136-Is, 137-I  
 814—Schematic, Parts List  
     285-VI  
 815—Schematic, Parts List,  
 Operating Voltages...286-VI  
 816—Schematic .....626-VII  
 816—Alignment( Con-  
 ventional Method), Alignment  
 with Oscilloscope, Operat-  
 ing Voltages, Trimmer  
 Locations, Phono. Con-  
 nections .....627-VII  
 816—Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations (Continued),  
 Parts List .....628-VII  
 817—Schematic, Operating  
 Voltages .....1057-VII  
 817—Alignment, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....1058-VII  
 855—Schematic, Parts List,  
 Operating Voltages...287-VI  
 866—Schematic, Parts List,  
 Operating Voltages...288-VI  
 915—Schematic .....289-VI  
 915—Parts List, Chassis  
 Layout, Under Chassis  
 Layout, Operating Volt-  
 ages .....290-VI  
 916—Schematic, Parts List,  
 Operating Voltages...291-VI  
 926—Schematic .....1185-VII  
 926—Alignment, Parts List  
     1186-VII  
 926—Operating Voltages,  
 Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations .....1187-VII  
 955—Parts List, Schematic,  
 Operating Voltages...292-VI  
 989—Schematic .....1185-VII  
 989—Alignment, Parts List  
     1186-VII  
 989—Operating Voltages,  
 Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations .....1187-VII  
 1014—Centurion, Schematic  
     293-VI  
 1014—Centurion, Chassis  
 Layout, Under Chassis  
 Layout, Parts List...294-VI  
 1014—Centurion, Alignment,  
 Parts List .....295-VI  
 1016—Schematic, Parts List,  
 Operating Voltages...296-VI  
 1026—Schematic .....1188-VII  
 1026—Alignment, Alignment  
 with Oscilloscope, Parts  
 List .....1189-VII  
 1026—Operating Voltages,  
 Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations .....1190-VII  
 1055—Schematic .....297-VI  
 1055—Parts List, Operating  
 Voltages, Chassis Layout,  
 Under Chassis Layout  
     298-VI  
 1126—Schematic, Operating  
 Voltages .....1333-VII  
 1126—Alignment .....1334-VII  
 1126—Chassis Layout,  
 Trimmer Locations,  
 Phonograph Con-  
 nections, Parts List...1335-VII  
 1155—Schematic, Parts List,  
 Operating Voltages...299-VI  
 1199—Schematic, Operating  
 Voltages .....1333-VII  
 1199—Alignment .....1334-VII  
 1199—Chassis Layout,  
 Trimmer Locations,  
 Phonograph Con-  
 nections, Parts List...1335-VII  
 1211—Schematic, Operating  
 Voltages .....1336-VII  
 1211—Alignment .....1337-VII

1211—Chassis Layout,  
 Trimmer Locations,  
 Phonograph Con-  
 nections, Parts List...1338-VII  
 1216—Schematic, Operating  
 Voltages .....1336-VII  
 1216—Alignment .....1337-VII  
 1216—Chassis Layout,  
 Trimmer Locations,  
 Phonograph Con-  
 nections, Parts List...1338-VII  
 1313—Schematic, Operating  
 Voltages .....1517-VII  
 1313—Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations, Phonograph  
 Connections, Parts List  
     1518-VII  
 1336—Schematic, Operating  
 Voltages .....1517-VII  
 1336—Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations, Phonograph  
 Connections, Parts List  
     1518-VII  
 1516—Schematic, Operating  
 Voltages .....1519-VII  
 1516—Chassis Layout, Under  
 Chassis Layout, Trimmer  
 Locations, Phonograph  
 Connections, Parts List  
     1520-VII  
 5515—Schematic, Parts List  
     260-VI  
 5515—Alignment, Chassis  
 Layout, Under Chassis  
 View .....261-VI  
 5516—Schematic, Parts List  
     262-VI  
 5517—Schematic, Operating  
 Voltages .....1509-VII  
 5517—Alignment, Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....1510-VII  
 5526—Schematic, Operating  
 Voltages, Parts List...265-VI  
 5536—Schematic, Alignment,  
 Operating Voltages, Under  
 Chassis Layout .....175-VII  
 5555—Schematic, Parts List,  
 Operating Voltages, Un-  
 der Chassis Layout...271-VI  
 5556—Schematic, Operating  
 Voltages .....905-VII  
 5556—Alignment, Chassis  
 Layout, Under Chassis  
 Layout, Trimmer Loca-  
 tions, Parts List .....906-VII  
 5666—Schematic .....757-VII  
 5666—Alignment, Operating  
 Voltages, Chassis Layout,  
 Under Chassis Layout,  
 Parts List .....758-VII  
 6615—Schematic, Parts List,  
 Operating Voltages...300-VI  
 6516—Schematic, Parts List  
     262-VI  
 6625—Schematic, Parts List,  
 Operating Voltages...301-VI

## D

**DAVEN RADIO CO.**

Bass Note Circuit...136B-Is

**DAY FAN ELECTRIC CO.**

See also General Motors  
 Radio Corp.  
 A-5003 .....216-II  
 5050 .....216-II

5066 .....217-II  
 5069 .....217-II  
 5072 .....218-II  
 5091 .....218-II

**DeFOREST CROSLEY, Ltd.**  
 Also see Canadian Radio Corp.  
 and Consolidated Industries  
 Products, Ltd.

Bandbox Jr. ....382-I  
 Balmoral .....382-I  
 Barcarolle .....383-I  
 Berwick .....382-I, 384-I  
 Concerto .....384-I  
 Conway .....381-I  
 Etude .....384-I  
 Etude Power Unit .....383-I  
 Hastings .....381-I, 383-I  
 Hastings Power Unit...382-I  
 Minuet .....383-I  
 Nocturne .....384-I  
 Opera .....384-I  
 Serenata .....344-III  
 Sonata .....384-I  
 Symphony .....383-I, 384-I  
 Warwick .....381-I  
 Windsor .....381-I  
 DC-5 .....381-I  
 C-6 .....381-I  
 400 .....385-I  
 402 .....389-I  
 403 .....389-I  
 410 .....385-I  
 410 Motor Board .....391-I  
 420 .....385-I  
 500 .....452-III  
 501 .....452-III  
 603 .....392-I  
 605 .....392-I  
 700 .....388-I, 393-I  
 701 .....394-I  
 702 .....395-I  
 705 .....396-I  
 707 .....397-I  
 740 .....386-I  
 740B .....398-I  
 741 .....399-I  
 742 .....400-I  
 743 .....401-I  
 750 .....386-I  
 750 Motor Board .....402-I  
 762 .....403-I  
 766 .....404-I  
 800 .....387-I  
 810 .....387-I  
 810 Motor Board .....388-I  
 810B .....405-I  
 810B Motor Board .....406-I  
 840 .....458-III  
 850 .....458-III  
 853 .....458-III  
 902 Chassis—Model A,  
     B & F .....218A, 218F-IIs

**DE FOREST RADIO  
 COMPANY**

CS-5 .....353-I  
 D-17 .....353-I  
 F-5 .....353-I

**DELCO APPLIANCE CORP.**

Automobile Set .....184-I  
 Police Set .....76A-Is  
 RA-3 .....288A-IIs, 244-II  
 RB-B & RA-B 2V .....466-III  
 RB-1 & RC-1 110 V. A. C.  
     469-III  
 RB-3 .....238A-IIs, 244-II  
 RC-3 .....283A-IIs, 244-II  
 3002 .....219-II

**DELTA MFG. CO.**

Class "B" Audio Am-  
 plifier .....200-V

**DETROLA RADIO AND  
 TELEVISION CORPORATION**

4 Tube Standard .....201-V  
 Roadmaster .....510D-IIs  
 2B—Schematic, Battery  
 Connections .....302-VI  
 4F—Schematic, Chassis  
 Layout .....303-VI  
 4H—Schematic, Chassis  
 Layout .....303-VI  
 4J—Schematic, Chassis  
 Layout .....303-VI  
 4W—Schematic, Chassis  
 Layout .....304-VI  
 4Y—Schematic, Chassis  
 Layout .....304-VI  
 5D—Schematic, Socket Volt-  
 ages, Chassis Layout  
     305-VI  
 5L—Schematic, Chassis  
 Layout .....304-VI  
 5W—Schematic, Socket  
 Voltages .....302-VI  
 5WG—Schematic, Alignment  
     314-VI  
 5X—Schematic, Alignment,  
 Socket Voltages .....306-VI  
 6A—Auto Set, Schematic,  
 Alignment, Socket Voltage  
     307-VI  
 6M—Auto Set, Schematic  
     308-VI  
 6R—Auto Set, Schematic  
     308-VI  
 6W—Schematic, Socket  
 Voltages .....309-VI  
 6X—Schematic, Socket  
 Voltages .....309-VI  
 6ZM—Schematic, Alignment  
     479-VII  
 7A—Schematic, Socket  
 Voltages .....310-VI  
 7ZM—Schematic, Alignment  
     479-VII  
 11 Auto Radio—  
     Schematic .....31-VII  
 41 (Chassis 104)  
     Schematic .....176-VII  
 42 (Chassis 104)  
     Schematic .....176-VII  
 43 (Chassis 104)  
     Schematic .....176-VII  
 100—Schematic .....311-VI  
 100A—Schematic .....311-VI  
 101A—Schematic .....32-VII  
 102—Schematic .....176-VII  
 103—Schematic .....312-VI  
 104—Schematic .....32-VII  
 104—Schematic .....176-VII  
 106—Schematic, Chassis  
 Layout .....313-VI  
 106E—Schematic, Chassis  
 Layout .....313-VI  
 108—Schematic .....32-VII  
 109—Schematic .....312-VI  
 110—Schematic, Chassis  
 Layout .....312-VI  
 114—Schematic .....311-VI  
 117—Schematic, Alignment,  
 Battery Connections,  
 Parts List .....350-VII  
 120—Schematic, Chassis  
 Layout .....314-VI  
 121—Schematic, Chassis  
 Layout .....314-VI  
 127—Schematic .....480-VII  
 130—Schematic, Chassis  
 Layout .....31-VII  
 134—Schematic, Chassis  
 Layout .....31-VII

# INDEX

(Page 14)

**DETROLA RADIO (Cont'd)**

135—Schematic, Chassis  
Layout, Parts List .....759-VII

137—Schematic .....1521-VII

139—Schematic .....480-VII

140—Schematic, Chassis  
Layout, Parts List .....759-VII

144—Schematic, Alignment,  
Chassis Layout, Parts List  
.....349-VII

146E—Schematic, Align-  
ment, Chassis Layout,  
Trimmer Locations, Parts  
List .....760-VII

147—Schematic .....480-VII

148—Schematic .....1521-VII

149—Schematic, Alignment,  
Parts List .....909-VII

149A—Schematic .....1522-VII

149E—Schematic, Align-  
ment, Chassis Layout,  
Trimmer Locations,  
Parts List .....910-VII

155X—Schematic, Alignment,  
Chassis Layout, Trimmer  
Locations, Parts List  
.....1059-VII

158—Schematic .....1522-VII

162—Schematic .....1521-VII

163—Schematic, Alignment,  
Chassis Layout, Trimmer  
Locations, Parts List  
.....1060-VII

165—Schematic, Alignment,  
Chassis Layout, Trimmer  
Locations, Parts List  
.....1191-VII

166—Schematic, Alignment,  
Chassis Layout, Parts  
List .....1192-VII

167—Schematic .....1522-VII

169—Schematic .....1522-VII

177—Schematic .....1522-VII

178—Schematic .....1521-VII

**DeWALD RADIO**

Also See Pierce Alro, Inc.

520—Schematic .....178-VII

522—Schematic .....178-VII

523—Schematic .....177-VII

607—Schematic .....481-VII

617—Schematic .....177-VII

620—Schematic, Alignment  
.....481-VII

620LW—Schematic, Alignment  
.....481-VII

621—Schematic, Alignment  
.....482-VII

621LW—Schematic, Alignment  
.....482-VII

621LWSB—Schematic,  
Alignment .....482-VII

621SB—Schematic, Alignment  
.....482-VII

**DYNAPHONE**

See Ansley Radio Lab.

## E

**ECHOPHONE RADIO  
MFG. CO.**

F .....225-II

S-3 .....220-II

S-3 Improved .....221-II

S-4 .....222-II

S-5 .....223-II

40 .....266-II

60 .....227-II

80 .....224-II

90 .....228-II

1731 .....202-V

1734 .....203-V

1734A .....203-V

1800 .....203-V

7110 .....204-V

7114 .....205-V

7124 .....206-V

7126 .....207-V

7127 .....207-V

**THOMAS A. EDISON, Inc.**

See Spltdorf Electric  
Mfg. Co.

C-1 .....142-I

C-2 .....142-I, 143-I

C-4 .....141-I

R-1 .....142-I

RT-1 .....143-I

R-2 .....142-I, 143-I

R-4 AC .....141-I

R-4 DC .....140D-Is

R-5 AC .....141-I

R-5 DC .....140D-Is

R-6 .....140B-Is, 140C-Is

R-7 .....140B-Is, 140C-Is

**ELECTRAD, Inc.**

A-250 .....208-V

B-235 Tuner .....229-II

B-245 Amplifier .....229-II

C-250 .....208-V

D-250 Amplifier .....230-II

D-450 .....209-V

E-250 Amplifier .....230-II

E-450 .....209-V

Loftin-White Circuit .....63-I

Replacement Resistor  
Information .....545 to 547-II

250 Amplifier .....358B-Is

250 Push Pull .....358B-Is

**ELECTRIC SPEC.  
EXPORT CO.**

R-502 .....See Balkeit 59

**ELECTRICAL LAB., Inc.**

6 Volt Eliminator .....215-V

32 Volt Eliminator .....215-V

32 Volt DC Converter .....216-V

110 Volt DC Converter .....216-V

331 .....215-V

332 .....215-V

**ELECTRICAL RESEARCH  
LABORATORIES Inc.**

See Sentinel Radio Corp.

Battery operated screen grid  
receiver .....232A-II, 232B-II,  
232C-II

6 Tube Super, Car Radio  
Schematic .....315-VI

19A—Schematic, Operating  
Voltages .....316-VI

31B—Schematic, Under  
Chassis Layout .....317-VI

32B—Schematic .....318-VI

33B—Schematic, Trimmers  
.....319-VI

34B—Auto Set—Schematic,  
Operating Voltages,  
Trimmers .....320-VI

35B—Battery Set, Schematic,  
Trimmers .....321-VI

36L—Schematic, Operating  
Voltage, Trimmers .....322-VI

37B—Schematic .....318-VI

38B—Battery—Schematic,  
Trimmers .....323-VI

39B—Battery Set, Schematic,  
Trimmers .....324-VI

40-A—Schematic, Operating  
Voltages, Trimmers .....325-VI

57LW—Schematic .....326-VI

224 .....142A-Is

225 .....142B-Is

248 Revised .....231-II

250 .....231-II

271 .....142D-Is

271A .....232-II

570X .....210-V

599 .....211-V

622 .....212-V

623 .....212-V

634 .....213-V

635 .....213-V

5001 .....214-V

5002 .....214-V

5800—Schematic .....327-VI

6200—Schematic .....326-VI

7700—Schematic .....327-VI

**EMERSON ELECTRIC  
MFG. CO., Inc.**

DM4AD-108 "B" Power  
Unit .....217-V

**EMERSON RADIO & PHONO-  
GRAPH CORPORATION**

Emerson .....315-III

Mickey Mouse .....226-V

Mickey Mouse (Chassis U4C)  
.....328-VI

A130 (Chassis A)—Schematic  
.....353-VI

A130 (Chassis A)—Alignment,  
Parts List, Socket Voltage  
.....354-VI

A132 (Chassis A)—Schematic  
.....353-VI

A132 (Chassis A)—Alignment,  
Parts List, Socket Voltage  
.....354-VI

A148 (Same as A130).....353-VI,  
354-VI

AA—Schematic .....761-VII

AA—Alignment, Operating  
Voltages, Service Data,  
Parts List .....762-VII

AA-131—Schematic .....761-VII

AA-131—Alignment, Operat-  
ing Voltages, Service  
Data, Parts List .....762-VII

AB—Schematic, Parts  
List .....1529-VII

AB-178—Schematic, Parts  
List .....1529-VII

AB-182—Schematic, Parts  
List .....1529-VII

AB-183—Schematic, Parts  
List .....1529-VII

AC—Schematic, Alignment,  
Operating Voltages, Parts  
List .....1193-VII

AC-5 .....220-V

AC-130—Schematic, Align-  
ment, Operating Voltages,  
Parts List .....1193-VII

AC-149—Schematic, Align-  
ment, Operating Voltages,  
Parts List .....1193-VII

AC-168—Schematic, Align-  
ment, Operating Voltages,  
Parts List .....1193-VII

AD-108—Schematic, Align-  
ment, Operating Voltages,  
Parts List .....763-VII

AD-110—Schematic, Align-  
ment, Operating Voltages,  
Parts List .....763-VII

AD-125—Schematic, Align-  
ment, Operating Voltages,  
Parts List .....763-VII

AE-163—Schematic, Parts  
List .....1523-VII

AF—Schematic .....1061-VII

AF—Alignment, Operating  
Voltages, Parts List  
.....1062-VII

AF-171—Schematic .....1061-VII

AF-171—Alignment, Operat-  
ing Voltages, Parts List  
.....1062-VII

AF-173—Schematic .....1061-VII

AF-173—Alignment, Operat-  
ing Voltages, Parts List  
.....1062-VII

AF-176—Schematic .....1061-VII

AF-176—Alignment, Operat-  
ing Voltages, Parts List  
.....1062-VII

AF-179—Schematic .....1061-VII

AF-179—Alignment, Operat-  
ing Voltages, Parts List  
.....1062-VII

AF-180—Schematic .....1061-VII

AF-180—Alignment, Operat-  
ing Voltages, Parts List  
.....1062-VII

AF-185—Schematic .....1061-VII

AF-185—Alignment, Operat-  
ing Voltages, Parts List  
.....1062-VII

AC—Schematic, Phono.  
Connections .....764-VII

AG—Alignment, Operating  
Voltages, Trimmer  
Locations .....765-VII

AG—Service Data, Parts  
List .....766-VII

AG-151—Schematic, Phono.  
Connections .....764-VII

AG-151—Alignment, Operat-  
ing Voltages, Trimmer  
Locations .....765-VII

AG-151—Service Data,  
Parts List .....766-VII

AH-162—Schematic, Parts  
List .....1523-VII

AJ—Schematic, Parts List  
.....1194-VII

AJ—Alignment, Operating  
Voltages, Service Data  
.....1196-VII

AJ-130—Schematic, Parts  
List .....1194-VII

AJ-130—Alignment, Operat-  
ing Voltages, Service  
Data .....1196-VII

AJ-137—Schematic, Parts  
List .....1194-VII

AJ-137—Alignment, Operat-  
ing Voltages, Service  
Data .....1196-VII

AJ-149—Schematic, Parts  
List .....1194-VII

AJ-149—Alignment, Operat-  
ing Voltages, Service  
Data .....1196-VII

AL—Schematic .....1063-VII

AL—Alignment, Operating  
Voltages, Parts List  
.....1064-VII

AL-130—Schematic .....1063-VII

AL-130—Alignment, Operat-  
ing Voltages, Parts List  
.....1064-VII

AL-132—Schematic .....1063-VII

AL-132—Alignment, Operat-  
ing Voltages, Parts List  
.....1064-VII

AL-149—Schematic .....1063-VII

AL-149—Alignment, Operat-  
ing Voltages, Parts List  
.....1064-VII

AL-164—Schematic .....1197-VII

AL-164—Alignment, Operat-  
ing Voltages, Service  
Data, Parts List .....1198-VII

AL-168—Schematic .....1063-VII

AL-168—Alignment, Operat-  
ing Voltages, Parts List  
.....1064-VII

ALLW—Schematic .....1063-VII

# INDEX

(Page 15)

**EMERSON RADIO (Cont'd)**

- ALLW—Alignment, Operating Voltages, Parts List 1064-VII  
 ALLW-130—Schematic 1063-VII  
 ALLW-130—Alignment, Operating Voltages, Parts List 1064-VII  
 ALLW-132—Schematic 1063-VII  
 ALLW-132—Alignment, Operating Voltages, Parts List 1064-VII  
 ALLW-149—Schematic 1063-VII  
 ALLW-149—Alignment, Operating Voltages, Parts List 1064-VII  
 ALLW-168—Schematic 1063-VII  
 ALLW-168—Alignment, Operating Voltages, Parts List 1064-VII  
 AM—Schematic, Parts List 1195-VII  
 AM—Alignment, Operating Voltages, Service Data 1196-VII  
 AM-131—Schematic, Parts List 1195-VII  
 AM-131—Alignment, Operating Voltages, Service Data 1196-VII  
 AM-169—Schematic, Parts List 1195-VII  
 AM-169—Alignment, Operating Voltages, Service Data 1196-VII  
 AM-187—Schematic, Parts List 1195-VII  
 AM-187—Alignment, Operating Voltages, Service Data 1196-VII  
 AP—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AP-171—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AP-173—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AP-174—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AP-176—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AP-180—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AP-185—Schematic, Alignment, Operating Voltages, Parts List 1524-VII  
 AR—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AR (Below Serial No. 1,326,200)—Schematic, Parts List 1525-VII  
 AR-165 (Below Serial No. 1,326,200)—Schematic, Parts List 1525-VII  
 AR-166 (Below Serial No. 1,326,200)—Schematic, Parts List 1525-VII  
 AR-171—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AR-173—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AR-174—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AR-176—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AR-177 (Below Serial No. 1,326,200)—Schematic, Parts List 1525-VII  
 AR-180—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AR-185—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AS—Schematic, Parts List 1527-VII  
 AS-179—Schematic, Parts List 1527-VII  
 AT—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AT-170—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AT-172—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AT-181—Schematic, Alignment, Operating Voltages, Parts List 1526-VII  
 AW-7 224-V  
 AW-55 (Same as M-AC-7) 110-IV  
 B—Schematic, Alignment, Operating Voltages, Production Changes, Parts List 33-VII  
 B-10 105-IV  
 B-AC-10 105-IV  
 B131 (Chassis B) Schematic, Alignment, Operating Voltages, Production Changes, Parts List 33-VII  
 C—Supplementary Service Data 36-VII  
 C-134 (Chassis C) Schematic 355-VI  
 C-134 (Chassis C)—Alignment, Socket Voltages, Parts List 356-VI  
 C134LW (Chassis CLW) Schematic 34-VII  
 C134LW (Chassis CLW) Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 C134LW (Chassis CLW & C) Supplementary Service Data 36-VII  
 C-136 (Chassis C) Schematic 355-VI  
 C-136 (Chassis C)—Alignment, Socket Voltages, Parts List 356-VI  
 C136LW (Chassis CLW) Schematic 34-VII  
 C136LW (Chassis CLW) Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 C136LW (Chassis CLW & C) Supplementary Service Data 36-VII  
 C-138 (Chassis C) Schematic 355-VI  
 C-138 (Chassis C)—Alignment, Socket Voltages, Parts List 356-VI  
 C138LW (Chassis CLW) Schematic 34-VII  
 C138LW (Chassis CLW) Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 C138LW (Chassis CLW & C) Supplementary Service Data 36-VII  
 C-139 (Chassis C) Schematic 355-VI  
 C-139 (Chassis C)—Alignment, Socket Voltages, Parts List 356-VI  
 C139LW (Chassis CLW) Schematic 34-VII  
 C139LW (Chassis CLW) Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 C139LW (Chassis CLW & C) Supplementary Service Data 36-VII  
 C-140 (Chassis C) Schematic 355-VI  
 C-140 (Chassis C)—Alignment, Socket Voltages, Parts List 356-VI  
 C140LW (Chassis CLW) Schematic 34-VII  
 C140LW (Chassis CLW) Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 C140LW (Chassis CLW & C) Supplementary Service Data 36-VII  
 C-142 (Chassis C) Schematic 355-VI  
 C142LW (Chassis CLW) Schematic 34-VII  
 C142LW (Chassis CLW) Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 C142LW (Chassis CLW & C) Supplementary Service Data 36-VII  
 CLW—Schematic 34-VII  
 CLW—Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List 35-VII  
 CLW—Supplementary Service Data 36-VII  
 D-5 220-V  
 D-S5 231-V  
 D134—Schematic 37-VII  
 D134—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D134LW (Chassis DLW) Schematic 179-VII  
 D134LW ((Chassis DLW) Alignment, Operating Voltages, Parts List 180-VII  
 D136—Schematic 37-VII  
 D136—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D136LW—(Chassis DLW) Schematic 179-VII  
 D136LW—(Chassis DLW) Alignment, Operating Voltages, Parts List 180-VII  
 D138—Schematic 37-VII  
 D138—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D138LW (Chassis DLW) Schematic 179-VII  
 D138LW (Chassis DLW)—Alignment, Operating Voltages, Parts List 180-VII  
 D139—Schematic 37-VII  
 D139—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D139LW (Chassis DLW)—Schematic 179-VII  
 D139LW (Chassis DLW)—Alignment, Operating Voltages, Parts List 180-VII  
 D140—Schematic 37-VII  
 D140—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D140LW (Chassis DLW)—Schematic 179-VII  
 D140LW (Chassis DLW)—Alignment, Operating Voltages, Parts List 180-VII  
 D142—Schematic 37-VII  
 D142—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D142LW (Chassis DLW)—Schematic 179-VII  
 D142LW (Chassis DLW)—Alignment, Operating Voltages, Parts List 180-VII  
 D146—Schematic 37-VII  
 D146—Alignment, Operating Voltages, Production Changes, Service Data, Parts List 38-VII  
 D146LW (Chassis DLW)—Schematic 179-VII  
 D146LW (Chassis DLW)—Alignment, Operating Voltages, Parts List 180-VII  
 DC-4 106-VI  
 DLW—Schematic 179-VII  
 DLW—Alignment, Operating Voltages, Parts List 180-VII  
 E-128 Auto Set, Schematic, Parts List, Alignment 352-VI  
 F 356-I  
 F—Below Serial 862,650 Schematic 181-VII  
 F—Serial 862,650 Up Schematic 181-VII  
 F—Alignment, Operating Voltages, Parts List 182-VII  
 F117 (Chassis F—Below Serial 862,650)—Schematic 181-VII  
 F117 (Chassis F—Serial 862,650 Up)—Schematic 181-VII  
 F117 (Chassis F)—Alignment, Operating Voltages, Parts List 182-VII  
 F122 (Chassis F—Below Serial 862,650)—Schematic 181-VII  
 F122 (Chassis F—Serial 862,650 Up)—Schematic 181-VII  
 F122 (Chassis F)—Alignment, Operating Voltages, Parts List 182-VII  
 F133 (Chassis F—Below Serial 862,650)—Schematic 181-VII  
 F133 (Chassis F—Serial 862,650 Up)—Schematic 181-VII  
 F133 (Chassis F)—Alignment, Operating Voltages, Parts List 182-VII  
 F135 (Chassis F—Below Serial 862,650)—Schematic 181-VII  
 F135 (Chassis F—Serial 862,650 Up)—Schematic 181-VII  
 F135 (Chassis F)—Alignment, Operating Voltages, Parts List 182-VII  
 F141 (Chassis F—Below Serial 862,650)—Schematic 181-VII  
 F141 (Chassis F—Serial 862,650 Up)—Schematic 181-VII  
 F141 (Chassis F) Alignment, Operating Voltages, Parts List 182-VII  
 G—Schematic, Parts List 352-VII  
 G—Alignment, Operating Voltages, Service Data 353-VII  
 G4—Schematic 351-VII

# INDEX

(Page 16)

**EMERSON RADIO (Cont'd)**

- G127—Schematic, Parts List 352-VII  
 G127—Alignment, Operating Voltages, Service Data 353-VII  
 H-5 107-IV  
 H-5L 218-V  
 H130—Schematic, Operating Voltages, Parts List 355-VII  
 H130—Alignment, Service Data 356-VII  
 H137—Schematic, Operating Voltages, Parts List 355-VII  
 H137—Alignment, Service Data 356-VII  
 J—Schematic, Operating Voltages, Parts List 354-VII  
 J106—Schematic, Operating Voltages, Parts List 354-VII  
 K-S 471-III  
 K116—Schematic, Parts List 629-VII  
 K116—Alignment, Operating Voltages, Service Data 630-VII  
 K121—Schematic, Parts List 629-VII  
 K121—Alignment, Operating Voltages, Service Data 630-VII  
 K123—Schematic, Parts List 629-VII  
 K123—Alignment, Operating Voltages, Service Data 630-VII  
 L—Schematic 483-VII  
 L—Alignment, Operating Voltages, Production Changes, Parts List 484-VII  
 L—Schematic, Parts List 911-VII  
 L—Alignment, Operating Voltages 913-VII  
 L (Below Serial No. 895,962)—Schematic, Parts List 914-VII  
 L (Below Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L (Above Serial No. 895,962)—Schematic, Parts List 915-VII  
 L (Above Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L-AC-4 108-IV  
 L-AC-5 109-IV  
 L117—Schematic, Parts List 911-VII  
 L117—Alignment, Operating Voltages 913-VII  
 L117 (Below Serial No. 895,962)—Schematic, Parts List 914-VII  
 L117 (Below Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L117 (Above Serial No. 895,962)—Schematic, Parts List 915-VII  
 L117 (Above Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L-117LW—Schematic, Parts List, Socket Voltages 348-VI  
 L122—Schematic, Parts List 911-VII  
 L122—Alignment, Operating Voltages 913-VII  
 L122 (Below Serial No. 895,962)—Schematic, Parts List 915-VII  
 L122 (Above Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L-122LW—Schematic, Parts List, Socket Voltages 348-VI  
 L133—Schematic, Parts List 911-VII  
 L133—Alignment, Operating Voltages 913-VII  
 L133 (Below Serial No. 895,962)—Schematic, Parts List 914-VII  
 L133 (Below Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L133 (Above Serial No. 895,962)—Schematic, Parts List 915-VII  
 L133 (Above Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L-133LW—Schematic, Parts List 348-VI  
 L135—Schematic, Parts List 911-VII  
 L135—Alignment, Operating Voltages 913-VII  
 L135 (Below Serial No. 895,962)—Schematic, Parts List 914-VII  
 L135 (Below Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L135 (Above Serial No. 895,962)—Schematic, Parts List 915-VII  
 L135 (Above Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L-135LW—Schematic, Parts List, Socket Voltages 348-VI  
 L141—Schematic, Parts List 911-VII  
 L141—Alignment, Operating Voltages 913-VII  
 L141 (Below Serial No. 895,962)—Schematic, Parts List 914-VII  
 L141 (Below Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L141 (Above Serial No. 895,962)—Schematic, Parts List 915-VII  
 L141 (Above Serial No. 895,962)—Alignment, Operating Voltages 916-VII  
 L-141LW—Schematic, Parts List, Socket Voltages 348-VI  
 L143—Schematic 483-VII  
 L143—Alignment, Operating Voltages, Production Changes, Parts List 484-VII  
 L-456 106-IV  
 L-457 106-IV  
 L-458 108-IV  
 L-459 106-IV  
 L-460 108-IV  
 L-556 109-IV  
 L-557 109-IV  
 L-559 109-IV  
 L-755 233-V  
 M—Schematic, Speaker Connections 631-VII  
 M—Alignment, Trimmer Locations 632-VII  
 M—Operating Voltages, Service Data 633-VII  
 M—Parts List 634-VII  
 M-AC-7 110-IV  
 M-134—Schematic, Speaker Connections 631-VII  
 M-134—Alignment, Trimmer Locations 632-VII  
 M-134—Operating Voltages, Service Data 633-VII  
 M-134—Parts List 634-VII  
 M-136—Schematic, Speaker Connections 631-VII  
 M-136—Alignment, Trimmer Locations 632-VII  
 M-136—Operating Voltages, Service Data 633-VII  
 M-136—Parts List 634-VII  
 M-138—Schematic, Speaker Connections 631-VII  
 M-138—Alignment, Trimmer Locations 632-VII  
 M-138—Operating Voltages, Service Data 633-VII  
 M-138—Parts List 634-VII  
 M-139—Schematic, Speaker Connections 631-VII  
 M-139—Alignment, Trimmer Locations 632-VII  
 M-139—Operating Voltages, Service Data 633-VII  
 M-139—Parts List 634-VII  
 M-140—Schematic, Speaker Connections 631-VII  
 M-140—Alignment, Trimmer Locations 632-VII  
 M-140—Operating Voltages, Service Data 633-VII  
 M-140—Parts List 634-VII  
 M-142—Schematic, Speaker Connections 631-VII  
 M-142—Alignment, Trimmer Locations 632-VII  
 M-142—Operating Voltages, Service Data 633-VII  
 M-142—Parts List 634-VII  
 M-146—Schematic, Speaker Connections 631-VII  
 M-146—Alignment, Trimmer Locations 632-VII  
 M-146—Operating Voltages, Service Data 633-VII  
 M-146—Parts List 634-VII  
 M-755 110-IV  
 P-117—Schematic 1339-VII  
 P-117—Alignment, Operating Voltages, Parts List 1340-VII  
 P-135—Schematic 1339-VII  
 P-135—Alignment, Operating Voltages, Parts List 1340-VII  
 Q—Schematic, Alignment, Operating Voltages, Production Changes, Parts List 485-VII  
 Q157—Schematic, Alignment, Operating Voltages, Production Changes, Parts List 485-VII  
 R—Schematic, Production Changes, Parts List 486-VII  
 R152—Schematic, Production Changes, Parts List 486-VII  
 R153—Schematic, Production Changes, Parts List 486-VII  
 R156—Schematic, Production Changes, Parts List 486-VII  
 R158—Schematic, Production Changes, Parts List 486-VII  
 S-7 234-V  
 S-147—Schematic, Speaker Connections 1341-VII  
 S-147—Alignment, Operating Voltages, Parts List 1342-VII  
 S-151—Schematic, Speaker Connections 1341-VII  
 S-151—Alignment, Operating Voltages, Parts List 1342-VII  
 S-755 234-V  
 T 471-III  
 T-S 471-III  
 T-6—Schematic 1528-VII  
 U6F (Chassis U6F)—Schematic, Parts List 912-VII  
 U6F (Chassis U6F)—Alignment, Operating Voltages 913-VII  
 U-154—Schematic, Parts List 1528-VII  
 UV4—Schematic 351-VII  
 V-6D 222-V  
 V-4 227-V  
 V-4-LA 235-V  
 W-6 236-V  
 W-6L 225-V  
 X—Schematic, Parts List 1529-VII  
 X-146—Schematic, Parts List 1529-VII  
 X-178—Schematic, Parts List 1529-VII  
 X-183—Schematic, Parts List 1529-VII  
 Z117—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z122—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z133—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z135—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z141—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z150—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z159—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 Z160—Schematic, Alignment, Operating Voltages, Parts List 1530-VII  
 3LW 218-V  
 4B 219-V  
 5A—Schematic, Socket Voltages 329-VI  
 5J 221-V  
 6A—Auto Set, Schematic, Socket Voltages 330-VI  
 6BD 223-V  
 19—Schematic 351-VII  
 20A—Schematic 351-VII  
 23 219-V  
 25A—Schematic 351-VII  
 26 220-V  
 28 221-V  
 30 107-IV  
 30AW 232-V  
 30LW (Same as H-5L) 218-V  
 33AW 232-V  
 33LW 218-V  
 34C (Chassis C6 & D6) Schematic 331-VI  
 34C (Chassis C6 & D6) Parts List, Socket Voltages 332-VI  
 34F7 (Chassis F7) Schematic, Parts List, Socket Voltages 333-VI  
 35—Schematic 1528-VII  
 36 (Chassis B5)—Schematic, Socket Voltages 334-VI  
 38 335-VI  
 39 231-V  
 40 236-V  
 41D 220-V  
 42 222-V  
 42 335-VI  
 45 223-V  
 49 (Chassis U6)—Schematic, Socket Voltages 335-VI  
 50L 233-V  
 50S 234-V



# INDEX

(Page 17)

**EMERSON RADIO (Cont'd)**

59 ..... 231-V  
 71 ..... 224-V  
 101 (Chassis C6 & D6)  
   Schematic ..... 331-VI  
 101 (Chassis C6 & D6)  
   Parts List, Socket Volt-  
   ages ..... 332-VI  
 101F7 (Chassis F7)  
   Schematic, Parts List,  
   Socket Voltages ..... 333-VI  
 101U (Chassis U6E)  
   Schematic, Socket Volt-  
   ages, Parts List ..... 336-VI  
 102 (Chassis A8)  
   Schematic ..... 337-VI  
 102 (Chassis A8)—Parts  
   List, Socket Voltages  
   ..... 332-VI  
 103 (Chassis F5)—Battery  
   Set, Schematic, Socket  
   Voltages ..... 338-VI  
 104 (Chassis A8)  
   Schematic ..... 337-VI  
 104 (Chassis A8)—Parts  
   List, Socket Voltages  
   ..... 332-VI  
 105 (Chassis A-11)  
   Schematic ..... 339-VI  
 105 (Chassis A-11)—Align-  
   ment, Socket Voltages,  
   Parts List ..... 340-VI  
 106 (Chassis U6B)  
   Schematic, Socket Volt-  
   ages ..... 341-VI  
 107 (Chassis U6A)  
   Schematic, Socket Volt-  
   ages ..... 342-VI  
 107 (Chassis U6F)—  
   Schematic, Parts List  
   ..... 912-VII  
 107 (Chassis U6F)—Align-  
   ment, Operating Voltages  
   ..... 913-VII  
 107 AC (Chassis E5)  
   Schematic, Parts List,  
   Socket Voltages ..... 343-VI  
 108 (Chassis U5A)  
   Schematic, Parts List  
   ..... 344-VI  
 109 (Chassis U4A)  
   Schematic, Alignment,  
   Socket Voltages, Parts  
   List ..... 345-VI  
 110 (Chassis U5A)  
   Schematic, Parts List  
   ..... 344-VI  
 111 (Chassis U6A)  
   Schematic, Socket Volt-  
   ages ..... 342-VI  
 111 (Chassis U6F)—  
   Schematic, Parts List  
   ..... 912-VII  
 111 (Chassis U6F)—Align-  
   ment, Operating Voltages  
   ..... 913-VII  
 112 (Chassis A8)  
   (Same as 102) ..... 332-VI,  
   337-VI  
 113 (Chassis A8)  
   (Same as 102) ..... 332-VI,  
   337-VI  
 114 (Chassis E5)—Schematic,  
   Parts List, Socket Volt-  
   ages ..... 343-VI  
 116 (Chassis G5)—Schematic  
   ..... 346-VI  
 117 (Chassis C5)—Schematic,  
   Socket Voltages, Parts  
   List ..... 347-VI  
 117-LW—Schematic, Parts  
   List, Socket Voltages  
   ..... 348-VI  
 118 (Chassis U4B)  
   Schematic, Parts List  
   ..... 349-VI  
 119—Schematic, Socket  
   Voltages ..... 350-VI  
 119 (Chassis U6A, Revised)  
   Alignment ..... 351-VI

120 (Chassis U4B)  
   (Same as 118) ..... 349-VI  
 126 (Chassis U4B)  
   (Same as 118) ..... 349-VI  
 250 ..... 107-IV  
 250AW ..... 232-V  
 250LW ..... 218-V  
 300 ..... 107-IV  
 321AW ..... 232-V  
 321LW ..... 218-V  
 350AW ..... 232-V  
 350LW ..... 218-V  
 375 ..... 236-V  
 375LW ..... 225-V  
 409 ..... 226-V  
 410 ..... 226-V  
 411 ..... 226-V  
 415 ..... 235-V  
 416 ..... 235-V  
 420 ..... 227-V  
 456 ..... 232-V  
 667 ..... 228-V  
 678 Auto-Motorboat ..... 299-V  
 770 ..... 224-V  
 965 ..... 230-V

**ERLA**

See Sentinel Radio Corp.

## F

**FADA RADIO AND  
 ELECTRIC COMPANY**

Fedalette ..... 111-IV  
 Neutrodyne, 5 Tubes ..... 154-Is  
 Motoset 101 ..... 243-V  
 Motoset 102 ..... 245-V  
 Motoset 104B ..... 248-V  
 ABC 6-Volt Unit ..... 154-I  
 C Electric Unit 60  
   Cycles ..... 154-I  
 C Special ..... 150-I, 151-I  
 E-180 Power Unit ..... 149-I  
 E-420 Power Unit ..... 149-I  
 J—Electric Unit 25  
   Cycles ..... 154-I  
 KA-60 ..... 154B-Is  
 KF ..... 236E-IIs  
 KG ..... 326-III  
 KO KOC ..... 236-IIs  
 KOC-110 DC ..... 237-V  
 KU ..... 235-IIs  
 KW ..... 237-IIs  
 KX AC 60 Cycles ..... 238-V  
 KY 10 tube, First pro-  
   duction ..... 236B-IIs  
 KY 10 tube, Second pro-  
   duction ..... 236C-IIs  
 NA-141 ..... 239-V  
 NA-142 ..... 239-V  
 NE-151 ..... 240-V  
 NE-152 ..... 240-V  
 NK—Wiring Diagram .....  
   917-VII  
 R-60 ..... 152-I  
 R-80—A ..... 152-I  
 RC-60 11 tube chassis  
   ..... 236D-IIs  
 RC-60 7 tube chassis  
   ..... 236A-IIs  
 RG-60 ..... 241-V  
 RH ..... 242-V  
 RK ..... 243-V  
 RL ..... 111-IV  
 RN ..... 244-V  
 RP ..... 245-V  
 RP-62—UA or CA ..... 153-I  
 RP-65—UA or CA ..... 153-I  
 RS ..... 246-V  
 RU ..... 247-V  
 RV ..... 248-V  
 RW ..... 249-V  
 RX ..... 251-V  
 RY ..... 250-V

SF-45/72—UA or CA ..... 150-I  
 SF-45/75—UA or CA ..... 150-I  
 SF-50/80—A ..... 152-I  
 SF-50/80—B ..... 153-I  
 7 AC ..... 150-I, 151-I  
 10 60 Cycles ..... 144-I,  
   299-III, 307-III  
 10Z 25 Cycles ..... 144-I  
 11 60 Cycles ..... 144-I  
 11Z 25 Cycles ..... 144-I  
 15 ..... 307-III, 309-III  
 16 60 Cycles ..... 144-I, 299-III,  
   300-III, 301-III, 307-III  
 16Z 25 Cycles ..... 144-I  
 17 60 Cycles ..... 144-I  
 18 DC ..... 145-I  
 20 60 Cycles ..... 146-I,  
   300-III, 301-III  
 20Z 25 Cycles ..... 146-I  
 22 Battery ..... 145-I  
 25 60 Cycles ..... 146-I, 309-III  
 25 with M-250Z ..... 147-I  
 25Z 25 Cycles ..... 147-I  
 25 with M-250Z ..... 147-I  
 30 60 Cycles ..... 144-I, 320-III  
 30Z 25 Cycles ..... 144-I  
 31 60 Cycles ..... 144-I  
 31Z 25 Cycles ..... 144-I  
 32 60 Cycles ..... 144-I, 320-III  
 32Z 25 Cycles ..... 144-I  
 35 60 Cycles ..... 147-I,  
   304-III, 307-III, 309-III  
 35Z 25 Cycles ..... 147-I  
 40 Using P-250 and 7-A ..... 148-I  
 41 60 Cycles ..... 154B-Is, 317-III  
 42 60 Cycles ..... 154B-Is,  
   313-III, 317-III  
 43 ..... 236E-IIs, 326-III  
 44 ..... 154B-I  
 45 ..... 331-III  
 46 60 Cycles ..... 154B-Is,  
   316-III, 317-III, 320-III  
 47 60 Cycles ..... 154B-Is, 317-III  
 48 ..... 331-III  
 49 ..... 238F-II, 331-III  
 50 AC ..... 148-I, 149-I, 344-III  
 51 ..... 236-IIs  
 53 ..... 236-IIs  
 55 ..... 241-V  
 57 ..... 236-IIs  
 62—R ..... 154-I  
 66Q ..... 154-I  
 70 AC ..... 148-I, 149-I  
 71 AC ..... 148-I, 149-I  
 72 AC ..... 148-I, 149-I  
 73 ..... 236A-IIs  
 74 ..... 242-V  
 75 60 Cycles ..... 150-I  
 76 ..... 242-V  
 77 60 Cycles ..... 150-I  
 78 ..... 236D-IIs  
 78-10 ..... 249-V  
 79 ..... 236D-IIs  
 79-10 ..... 249-V  
 82W ..... 154-I  
 83 ..... 242-V  
 85 ..... 236A-IIs  
 86—V ..... 154-I  
 86—W ..... 154-I  
 87 ..... 242-V  
 88 ..... 242-V  
 89 ..... 242-V  
 93 ..... 251-V  
 95 ..... 251-V  
 97 ..... 242-V  
 97-10 ..... 249-V  
 98 ..... 236A-IIs  
 103 ..... 111-IV  
 105 ..... 244-V  
 106 ..... 244-V  
 107 ..... 244-V  
 112 ..... 246-V  
 126—Wiring Diagram ..... 917-VII  
 127—Wiring Diagram ..... 917-VII  
 128—Wiring Diagram ..... 917-VII

131 AC-DC ..... 247-V  
 132 AC-DC ..... 247-V  
 133 ..... 249-V  
 134 ..... 249-V  
 135 ..... 249-V  
 150A—Schematic, Parts List  
   ..... 487-VII  
 155—Schematic ..... 357-VI  
 156—Schematic, Parts List  
   ..... 488-VII  
 159—Schematic, Parts List  
   ..... 488-VII  
 160 ..... 154A-Is  
 160X—Schematic, Parts  
   List ..... 358-VI  
 160Y—Schematic, Parts  
   List ..... 358-VI  
 160Z—Schematic, Parts  
   List ..... 358-VI  
 166—Auto Set, Schematic,  
   Parts List ..... 359-VI  
 167—Schematic, Parts  
   List ..... 767-VII  
 168—Schematic, Parts  
   List ..... 768-VII  
 170X—Schematic, Parts  
   List ..... 360-VI  
 170Z—Schematic, Parts  
   List ..... 360-VI  
 170Y—Schematic, Parts  
   List ..... 360-VI  
 171 ..... 237-V  
 172—Schematic, Parts  
   List ..... 635-VII  
 173 ..... 237-V  
 192—A Battery ..... 149-I  
 192—BS Battery ..... 149-I  
 192—S Battery ..... 149-I  
 192X—Schematic, Parts  
   List ..... 361-VI  
 192Y—Schematic, Parts  
   List ..... 361-VI  
 192Z—Schematic, Parts  
   List ..... 361-VI  
 211—Schematic, Parts List  
   ..... 39-VII  
 211 Series—Operating Volt-  
   ages, Service Data ..... 184-VII  
 211B Series—Schematic,  
   Parts List ..... 357-VII  
 212 Series—Schematic,  
   Parts List ..... 358-VII  
 216 (Serial No. 60,182 In-  
   clusive)—Schematic,  
   Parts List ..... 636-VII  
 216 (Serial No. 60,183 Up)—  
   Schematic, Parts List  
   ..... 637-VII  
 242—Schematic ..... 1531-VII  
 246—Schematic ..... 1532-VII  
 250 (For Serial No. Up to  
   50,698)—Schematic, Parts  
   List ..... 40-VII  
 250 (From Serial No. 50,699  
   Up)—Schematic, Parts List  
   ..... 41-VII  
 250 Series—Operating Volt-  
   ages, Service Data ..... 184-VII  
 255—Schematic ..... 638-VII  
 260 Series—Schematic ..... 183-VII  
 260 Series—Operating Volt-  
   ages, Service Data ..... 184-VII  
 261—Schematic, Parts List  
   ..... 1343-VII  
 262—UA or CA ..... 153-I  
 265—A Battery ..... 151-I  
 265—UA or CA ..... 153-I  
 266—Schematic ..... 362-VI  
 267 Series—Schematic  
   ..... 1533-VII  
 270 Series—Schematic,  
   Parts List ..... 360-VII  
 271 Series—Schematic,  
   Parts List ..... 359-VII  
 272—Schematic, Parts  
   List ..... 769-VII  
 273—Schematic, Parts  
   List ..... 770-VII  
 280—Schematic, Parts List  
   ..... 918-VII

# INDEX

(Page 18)

**FADA RADIO (Cont'd)**

281—Schematic, Parts List  
1065-VII

290—Schematic, Parts List  
1534-VII

311—Schematic, Parts List  
1535-VII

311 (220V)—Schematic  
Parts List .....1536-VII

311B (220 V.) Schematic,  
Parts List .....1066-VII

312—Schematic, Parts List  
1344-VII

316 (Up to Serial No. 60,182)  
Schematic, Parts List  
1537-VII

316 (Up to Serial No. 60,183)  
Schematic, Parts List  
1538-VII

350—Schematic .....1539-VII

351—Schematic .....1539-VII

354—Schematic .....1540-VII

460—A Battery .....152-I

472—UA or CA .....150-I

475—A Battery .....151-I

475—UA or CA .....152-I

480—A .....152-I

761 .....236E-IIs

762 .....236E-IIs

764 .....236E-IIs

766 .....326-III

767 .....326-III

1242—Schematic .....1531-VII

1246—Schematic .....1532-VII

1255—Schematic .....1541-VII

1262—Schematic .....1542-VII

1265—Schematic .....1542-VII

1450—Schematic .....363-VI

1451—Schematic .....364-VI

1452—Schematic .....365-VI

1453—Schematic .....366-VI

1460—Schematic .....367-VI

1461—Schematic .....368-VI

1462—Schematic .....369-VI

1463—Schematic .....370-VI

1470—Schematic .....371-VI

1471—Schematic .....372-VI

1480—Schematic .....373-VI

1481—Schematic .....374-VI

1582—Schematic, Parts  
List .....1199-VII

1583—Schematic, Parts  
List .....1200-VII

**FAIRBANKS, MORSE & CO.,  
HOME APPLIANCE DIVISION**

C6—Schematic .....375-VI

C6—Parts List .....376-VI

C6—Socket Voltages .....377-VI

4A—Schematic .....771-VII

4A—Alignment Chart,  
Operating Voltages,  
Chassis Layout, Re-  
sistance Data .....772-VII

4A—Battery Connections,  
Parts List .....773-VII

4B—Schematic .....771-VII

4B—Alignment Chart,  
Operating Voltages,  
Chassis Layout, Re-  
sistance Data .....772-VII

4B—Battery Connections,  
Parts List .....773-VII

5A—Schematic, Alignment,  
Operating Voltages,  
Chassis Layout, Trimmer  
Locations, Resistance  
Data .....919-VII

5B—Schematic, Alignment,  
Operating Voltages,  
Resistance Data, Parts  
List .....920-VII

5C—Schematic, Parts List  
1201-VII

5C—Alignment Chart,  
Operating Voltages,  
Chassis Layout, Trimmer  
Locations, Resistance  
Data .....1202-VII

5D—Schematic, Battery Con-  
nections, Parts List  
1203-VII

5D—Alignment Chart, Trim-  
mer Locations, Battery  
Connections .....1204-VII

6A—Schematic, Parts List  
1201-VII

6A—Alignment Chart, Op-  
erating Voltages, Chassis  
Layout, Trimmer Loca-  
tions, Resistance Data  
1202-VII

6C—Schematic, Operating  
Voltages, Trimmer Loca-  
tions, Resistance Data  
1345-VII

6C—Alignment, Parts List  
1346-VII

8A—Schematic .....1347-VII

8A—Alignment, Chassis  
Layout, Trimmer  
Locations .....1348-VII

8A—Operating Voltages,  
Resistance Data, Parts List  
1349-VII

9A—Schematic, Chassis  
Layout, Trimmer Locations  
1350-VII

9A—Alignment, Operating  
Voltages, Automatic Dial  
Data, Resistance Data  
1351-VII

9A—Alignment Chart, Color  
Codes, Parts List .....1352-VII

12A—Schematic .....1543-VII

12C6—Schematic .....1544-VII

32 Volt Set—Schematic,  
Alignment, Operating  
Voltages .....774-VII

42—Schematic, Service Data  
43-VII

42—Alignment, Chassis  
Layout, Battery Connec-  
tions .....42-VII

42CIB (Chassis 42)—  
Schematic, Service Data  
43-VII

42CIB (Chassis 42)—Align-  
ment, Chassis Layout,  
Battery Connections .....42-VII

42TOB (Chassis 42)—  
Schematic, Service Data  
43-VII

42TOB (Chassis 42)—Align-  
ment, Chassis Layout,  
Battery Connections .....42-VII

43—Schematic, Operating  
Voltages, Resistance Data  
186-VII

43CIB (Chassis 43)—  
Schematic, Operating  
Voltages, Resistance Data  
186-VII

43TIB (Chassis 43)—  
Schematic, Operating Volt-  
ages, Resistance Data  
186-VII

51 (Chassis 51)—Schematic,  
Resistance Data .....921-VII

51 (Chassis 51)—Alignment,  
Operating Voltages, Re-  
sistance Data, Parts  
List .....922-VII

52 (Chassis 52)—Schematic,  
Resistance Data .....921-VII

52 (Chassis 52)—Alignment,  
Operating Voltages, Re-  
sistance Data, Parts  
List .....922-VII

53 (Chassis 53)—Schematic,  
Resistance Data .....921-VII

53 (Chassis 53)—Alignment,  
Operating Voltages, Re-  
sistance Data, Parts  
List .....922-VII

57—Schematic, Operating  
Voltages, Resistance Data  
187-VII

57TO (Chassis 57)—  
Schematic, Operating  
Voltages, Resistance Data  
187-VII

58—Schematic, Operating  
Voltages, Resistance Data  
185-VII

58C1 (Chassis 58)—  
Schematic, Operating  
Voltages, Resistance Data  
185-VII

58T1 (Chassis 58)—  
Schematic, Operating  
Voltages, Resistance Data  
185-VII

58T2 (Chassis 58)—  
Schematic, Operating  
Voltages, Resistance Data  
185-VII

60—Schematic, Parts List  
1067-VII

60—Alignment, Chassis  
Layout .....1068-VII

60—Operating Voltages,  
Resistance Data .....1069-VII

60—Chassis Layout, Trimmer  
Locations, Service Data  
1070-VII

62—Schematic, Alignment,  
Phono. Connections .....639-VII

62—Alignment (Continued),  
Operating Voltages, Parts  
List .....640-VII

64—Schematic .....375-VI

64—Parts List .....376-VI

64—Socket Voltages .....377-VI

68—Schematic .....188-VII

69—Schematic, Operating  
Voltages .....364-VII

69T7—Schematic, Operating  
Voltages .....364-VII

72—Schematic, Resistance  
Data .....362-VII

72—Operating Voltages,  
Chassis Layout, Trimmer  
Locations .....363-VII

72C2—Schematic, Resistance  
Data .....362-VII

72C2 Operating Voltages,  
Chassis Layout, Trimmer  
Locations .....363-VII

72C3—Schematic, Resistance  
Data .....362-VII

72C3—Operating Voltages,  
Chassis Layout, Trimmer  
Locations .....363-VII

72T3—Schematic, Resistance  
Data .....362-VII

72T3—Operating Voltages,  
Chassis Layout, Trimmer  
Locations .....363-VII

73—Schematic, Operating  
Voltages .....361-VII

73C3B—Schematic, Operating  
Voltages .....361-VII

73T3B—Schematic, Operating  
Voltages .....361-VII

74—Schematic .....377-VI

74—Parts List .....376-VI

74—Socket Voltages .....377-VI

91—Schematic, Parts List  
489-VII

91—Operating Voltages,  
Chassis Layout, Trimmer  
Locations, Resistance Data,  
Service Data .....490-VII

91C4—Schematic, Parts List  
489-VII

91C4—Operating Voltages,  
Chassis Layout, Trimmer  
Locations, Resistance Data,  
Service Data .....490-VII

91C5—Schematic, Parts List  
489-VII

91C5—Operating Voltages,  
Chassis Layout, Trimmer  
Locations, Resistance Data,  
Service Data .....490-VII

91T4—Schematic, Parts List  
489-VII

91T4—Operating Voltages,  
Chassis Layout, Trimmer  
Locations, Resistance Data,  
Service Data .....490-VII

120—Schematic .....1544-VII

346—Schematic .....641-VII

346—Alignment, Operating  
Voltages, Service Notes  
642-VII

347—Schematic .....641-VII

347—Alignment, Operating  
Voltages, Service Notes  
642-VII

816—Schematic, Alignment,  
Operating Voltages .....774-VII

840—Schematic, Alignment,  
Operating Voltages .....774-VII

4015 (Chassis 40)  
Schematic .....378-VI

4015 (Chassis 41)  
Schematic, Service Data  
379-VI

5106 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5106 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5107 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5107 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5108 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5108 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5109 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5109 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5110 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5110 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5111 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5111 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5112 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5112 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5141 (Chassis 51)—  
Schematic, Resistance  
Data .....921-VII

5141 (Chassis 51)—Align-  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5143 (Chassis 51)—Align-  
ment, Schematic, Resistance  
Data .....921-VII

5143 (Chassis 51)—  
ment, Operating Voltages,  
Resistance Data, Parts  
List .....922-VII

5212 (Chassis 52)—  
Schematic, Resistance  
Data .....921-VII

# INDEX

(Page 19)

**FAIRBANKS MORSE (Cont'd)**

5212 (Chassis 52)—Alignment, Operating Voltages, Resistance Data, Parts List .....922-VII  
 5212A (Chassis 52)—Schematic, Resistance Data .....921-VII  
 5212A (Chassis 52)—Alignment, Operating Voltages, Resistance Data, Parts List .....922-VII  
 5241 (Chassis 52)—Schematic, Resistance Data .....921-VII  
 5241 (Chassis 52)—Alignment, Operating Voltages, Resistance Data, Parts List .....922-VII  
 5312 (Chassis 53)—Schematic, Resistance Data .....921-VII  
 5312 (Chassis 53)—Alignment, Operating Voltages, Resistance Data, Parts List .....922-VII  
 5312A (Chassis 53)—Schematic, Resistance Data .....921-VII  
 5312A (Chassis 53)—Alignment, Operating Voltages, Resistance Data, Parts List .....922-VII  
 5341 (Chassis 53)—Schematic, Resistance Data .....921-VII  
 5341 (Chassis 53)—Alignment, Operating Voltages, Resistance Data, Parts List .....922-VII  
 5416 (Chassis 54) Schematic .....380-VI  
 5416 (Chassis 54), Socket Voltages, Service Data .....381-VI  
 5445 (Chassis 54) Schematic .....380-VI  
 5445 (Chassis 54), Socket Voltages, Service Data .....381-VI  
 5619 (Chassis 56), Schematic, Socket Voltages .....382-VI  
 5645 (Chassis 56), Schematic, Socket Voltages .....382-VI  
 6010—Schematic, Parts List .....1067-VII  
 6010—Alignment, Chassis Layout .....1068-VII  
 6010—Operating Voltages, Resistance Data .....1069-VII  
 6010—Chassis Layout, Trimmer Locations, Service Data .....1070-VII  
 6044—Schematic, Parts List .....1067-VII  
 6044—Alignment, Chassis Layout .....1068-VII  
 6044—Operating Voltages, Resistance Data .....1069-VII  
 6044—Chassis Layout, Trimmer Locations, Service Data .....1070-VII  
 6210—Schematic, Alignment, Phono. Connections .....639-VII  
 6210—Alignment (Continued), Operating Voltages, Parts List .....640-VII  
 6244—Schematic, Alignment, Phono. Connections .....639-VII  
 6244—Alignment (Continued), Operating Voltages, Parts List .....640-VII  
 6416 (Chassis 64), Schematic, Battery Connections .....383-VI  
 6416 (Chassis 64) Alignment .....384-VI  
 6416 (Chassis 64), Alignment (continued) .....385-VI  
 6445B (Chassis 64) Schematic, Battery Connections .....383-VI

6445B (Chassis 64) Alignment .....384-VI  
 6445B Chassis 64), Alignment (continued) .....385-VI  
 6616 (Chassis 66), Schematic, Socket Voltages, Service Data .....380-VI  
 6616 (Chassis 66), Socket Voltages, Service Data .....381-VI  
 6645 (Chassis 66), Schematic Socket Voltages, Service Data .....380-VI  
 6645 (Chassis 66), Socket Voltages, Service Data .....381-VI  
 6717 (Chassis 67), Schematic, Socket Voltages .....386-VI  
 6746 (Chassis 67), Schematic, Socket Voltages .....386-VI  
 7117 (Chassis 71), Schematic .....387-VI  
 7146 (Chassis 71), Schematic .....387-VI  
 10,049 (Chassis 100) Schematic .....388-VI  
 10,050 (Chassis 100) Schematic .....388-VI  
 11,049 (Chassis 110) Schematic .....389-VI  
 11,050 (Chassis 110) Schematic .....389-VI

**FANSTEEL PRODUCTS CO.**

A Receiver .....108C-Is  
 A-3 Receiver .....352-I  
 A-5 Receiver .....352-I  
 A-7 Receiver .....352-I  
 AB 6-135 Form A .....104A-Is  
 AB 6-135 Form B .....104A-Is  
 AB 6-180 Form A .....26-I  
 B-135 .....104B-Is  
 B-180 Form B .....104B-Is  
 B, Model D Power Unit .....104B-Is  
 BW .....104B-Is  
 BX .....104A-Is  
 B-11 .....104B-Is  
 C Receiver .....105-I  
 F Receiver .....105-I  
 KX .....104A-Is  
 Socket Power "A" Supply .....23-I

**FEDERAL RADIO CORP.**

L .....136B-Is  
 D Series Filament .....155-I  
 E Series Filament .....158-I  
 F Series Filament .....157-I  
 G (Same as H) .....157-I  
 H .....157-I  
 K .....156-I  
 L .....136B-Is  
 M .....158-I

**FEDERATED PURCHASER INC.**

Acratone 5B—Schematic .....189-VII  
 Acratone 6B—Schematic .....189-VII  
 Acratone 7B—Schematic, Alignment .....190-VII  
 Acratone 8B—Schematic .....194-VII  
 Acratone 9B—Schematic .....194-VII  
 Acratone 11B—Schematic .....194-VII  
 Acratone 13B—Schematic, Parts List .....643-VII  
 Acratone 18B—Schematic .....775-VII

Acratone 19B—Schematic .....775-VII  
 Acratone 20B—Schematic .....775-VII  
 Acratone 167B—Schematic .....776-VII  
 Acratone 167D—Schematic .....776-VII  
 Acratone 168B—Schematic .....777-VII  
 Acratone 168D—Schematic .....777-VII  
 Acratone 169B—Schematic .....775-VII  
 Acratone 169D—Schematic .....775-VII  
 Acratone 260B—Schematic .....778-VII  
 CD-9—Communications Receiver—Schematic .....491-VII  
 CD-9—Communications Receiver—Band-Switch Connections, Parts List .....492-VII  
 SA-120 .....259-V  
 SA-121 .....259-V  
 SA-122 .....259-V  
 SA-123 .....259-V  
 SA-1200 .....256-V  
 SW-88 .....257-V  
 1-07 .....233-II  
 2 .....234-II  
 5 .....254-V  
 6A .....252-V  
 7A .....253-V  
 7B (Revised) Schematic, Chassis Layout, Trimmer Locations .....493-VII  
 7C—Schematic, Chassis Layout, Trimmer Locations .....493-VII  
 8A .....253-V  
 9A .....266-V  
 10 .....254-V  
 12A .....252-V  
 13A .....253-V  
 14-B—Schematic .....494-VII  
 17 .....255-V  
 21B—Schematic, Alignment .....644-VII  
 22B—Schematic, Alignment .....644-VII  
 23B—Schematic, Alignment .....644-VII  
 24A .....253-V  
 26A .....253-V  
 29C—Schematic, Chassis Layout, Trimmer Locations .....193-VII  
 30C—Schematic, Chassis Layout, Trimmer Locations .....193-VII  
 31C—Schematic, Chassis Layout, Trimmer Locations .....193-VII  
 32A .....256-V  
 32C—Schematic, Chassis Layout, Trimmer Locations .....191-VII  
 32C—Alignment, Service Notes .....192-VII  
 33C—Schematic, Chassis Layout, Trimmer Locations .....191-VII  
 33C—Alignment, Service Notes .....192-VII  
 34C—Schematic, Chassis Layout, Trimmer Locations .....645-VII  
 34C—Alignment, Parts List .....646-VII  
 35 .....233-II  
 36A .....256-V  
 38A .....252-V  
 39A .....257-V  
 40 .....233-II  
 43A .....257-V  
 44A .....257-V

44D—Schematic, Alignment, Chassis Layout, Trimmer Locations, Parts List .....1353-VII  
 53 .....258-V  
 53D—Schematic, Chassis Layout, Trimmer Locations .....923-VII  
 53D—Alignment, Service Hints .....924-VII  
 54 .....258-V  
 54D—Schematic, Chassis Layout, Trimmer Locations .....923-VII  
 54D—Alignment, Service Hints .....924-VII  
 55D—Schematic, Chassis Layout, Trimmer Locations, Parts List .....1354-VII  
 55D—Alignment .....1355-VII  
 56D—Schematic, Chassis Layout, Trimmer Locations, Parts List .....1354-VII  
 56D—Alignment .....1355-VII  
 58 .....258-V  
 58D—Schematic, Chassis Layout, Trimmer Locations .....645-VII  
 58D—Alignment, Parts List .....646-VII  
 59 .....258-V  
 67 .....255-V  
 79 .....259-V  
 80 .....259-V  
 86A .....257-V  
 87A .....257-V  
 92A .....264-V  
 93 .....260-V  
 93A .....264-V  
 94 .....260-V  
 94A .....264-V  
 96 .....260-V  
 97 .....260-V  
 100 .....261-V  
 104 .....262-V  
 120 Amplifier .....258-V  
 125 .....263-V  
 126 .....262-V  
 179-B—Schematic, Chassis Layout, Trimmer Locations .....1356-VII  
 424 (Climax) .....261-V  
 460 .....264-V  
 470 .....260-V  
 471 .....260-V  
 472 .....260-V  
 473 .....260-V  
 474 .....260-V  
 480 .....252-V  
 503 .....252-V  
 708 .....265-V  
 728 .....266-V  
 734 .....261-V  
 744 .....266-V  
 749 .....265-V  
 1000 .....253-V  
 1200 .....256-V  
**FORD MOTOR CO.**  
 B-18805 .....268-V  
 Center Control .....269-V  
 Glove Box .....267-V  
 Gove Box (Grigsby-Grunow) .....270-V  
 Glove Box (Zenith) .....271-V  
 Police Auto Radio .....272-V  
 4D-18805-B .....267-V  
**FORDSON RADIO Inc.**  
 Goldentone .....280-V  
 Warwick .....281-V  
 P (330001 & up) .....274-V  
 P-32V (350001 & up) .....274-V  
 P Battery (173501 & up) .....274-V

# INDEX

(Page 20)

**FORDSON RADIO (Cont'd)**

R 2 Types	276-V
U	276-V
V	277-V
V All Wave	278-V
W All Wave	279-V
X	280-V
5 Tube Superhet	281-V
6T	112-IV, 113-IV
6TA	273-V

**FRANKLIN RADIO CORP.**

D32	292-V
D33	293-V
H30	294-V
H-32	292-V
33B	282-V
55U	283-V
63L	284-V
65VL	285-V
65VU	286-V
94	287-V
94 All Wave	288-V
100	289-V
106	290-V
200	291-V

**FREED-EISMAN RADIO CORP.**

See Also Freed Tel. & Radio Corp.

FE-15	114-IV
FE-18	114-IV
FE-33—Schematic	1545-VII
FE-48—Schematic	1546-VII
FE-50—Schematic	1547-VII
FE-60—Schematic	1546-VII
FE-62—Schematic	1548-VII
FE-96	473-III
FE-98	474-III
NR-5	166A-Is
NR-6	159-I
NR-7	159-I
NR-9	159-I
NR-9A	159-I
NR-11	160-I
NR-12	160-I
NR-20	161-I
NR-55	166B-Is
NR-60	161-I
NR-78	166B-Is
NR-80 AC	166A-Is, 308-III
NR-80 DC	164-I
NR-85	166-I
NR-95	165-I
NR-215	163-I
NR-400	163-I
10	160-I
30	162-I
30N	162-I
40	162-I
40N	162-I
48N	162-I
50	162-I
53	166-I
90-S	165-I
91 D. C.	472-III
92 A. C.	472-III
130	163-I
351-L—Schematic	1545-VII
351P—Schematic	390-VI
357P—Schematic	391-VI
369-S—Schematic	1547-VII
470	165-I
457 Power Unit	164-I
800	166-I

**FREED TEL. & RADIO CORP.**

4 Tube Auto Set	295-V
6 Tube Auto Super	296-V

360	297-V
360X	297-V
A-7	298-V
A-9	298-V

**JESSE FRENCH & SONS PIANO CO.**

G Junior Model	355-I
H-1	232-III
H-2	431-III
U-1	480-III
5-093	475-III

**CHAS. FRESHMAN CO., Inc.**

**Earl Models:**

Earl DC	308-III
21	167-I
21 DC	312-III
22	167-I
24 DC	175-I
31	167-I
31 DC	175-I
32	167-I
33 DC	175-I
33S AC	176-I
41	170-I

**Freshman Models:**

G	169-I
G	19-III
H-9	171-I
K	172-I
M	170-I
N	21-III
Q	176A-Is
Q-15	173-I
Q-16	173-I, 313-III, 314-III
QD-16S	168-I, 172-I
Equaphase	171-I, 308-III
Masterpiece	171-I, 308-III
2N	173-I, 220-III
3N-12	176A-Is
3Q-15	174-I
3Q-16	174-I
21 AC	174-I
21 DC	175-I
22	174-I
31	176-I
31S	176-I
32	176-I
32S	176-I
41	176-I
121	175-I

## G

**GALVIN MFG. CORP.**

Dual 6	310-V
Golden Voice (8 Tube)	—
Schematic	1549-VII
Golden Voice (8 Tube)	—
Transformer and Coil	—
Connections	1556-VII
"Golden Voice"—Schematic	—
J8	303-VI
JB	311-V
Motorola	309-V
Motorola	294-II
Motorola	482-III
Motorola "Golden Voice"	—
Coil connections, Color	—
Codes	195-VII
Motorola Super 6—	—
Schematic, Service Notes	45-VII

Motorola 5T71A—Schematic	44-VII
Motorola 6T12—Schematic	44-VII

Motorola 50—Coil connections	—
Color Codes	195-VII
Motorola 60—Coil connections,	—
Color Codes	195-VII
Motorola 77A Series B—	—
Schematic, Operating	—
Voltages, Service Notes	46-VII

Motorola 80—Coil connections,	—
Color Codes	195-VII
Super 6	313-V
Twin 8	314-V
4T-47A	487-III
5 Tube Split Case Set	299-V

5T—Schematic	1550-VII
5T1—Schematic	1550-VII
5T2—Schematic	1550-VII
5T-71	482-III
5Y—Schematic	1550-VII
5-1—Schematic	1550-VII
5-2—Schematic	1550-VII
6 Tube Set	486-III
6A—Schematic	1551-VIII
6T—Schematic	1551-VIII
6T-12PL	299-V
6Y—Schematic	1551-VII
6-1—Schematic	1551-VII
6-2—Schematic	1551-VII
7 Tube Set	488-III
7T-38	300-V
7T-38A	300-V
7T-47A	301-V
9A—Schematic	1552-VII
9R—Schematic	1552-VII
9Y—Schematic	1552-VII
9-1—Schematic	1552-VII
9-2—Schematic	1552-VII
9-3—Schematic	1552-VII
10Y—Schematic	1553-VII
10-1—Schematic	1553-VII

34	302-V
35—Schematic	1554-VII
35—Transformer and Coil	—
Connections	1556-VII
44	303-V
45—Schematic	1554-VII
45—Transformer and Coil	—
Connections	1556-VII
50—Schematic	394-VI
51	304-V
55	304-V
57—Schematic	395-VI
57—Alignment	396-VI
60—Schematic	397-VI
60A (same as 60)	397-VI
61	483-III
61—Motorola	264E-1Is
62—Schematic	395-VI
62—Alignment	396-VI
65—Schematic	1555-VII
65—Transformer and Coil	—
Connections	1556-VII
66	305-V
70—Schematic	1555-VII
70—Transformer and Coil	—
Connections	1556-VII
75—Schematic	395-VI
75—Alignment	396-VI
77	306-V
77A	307-V
77A Series B	308-V
78	309-V
79—Schematic	395-VI
79—Alignment	396-VI
80—Schematic	398-VI
88	484-III
100—Schematic	396-VI
100—Alignment	396-VI
110—Schematic	396-VI
110—Alignment	396-VI

**GAMBLE-SKOGMO, INC.**

A1 Series—Schematic, Phono-	—
graph Connections	1205-VII

A1 Series—Alignment Chart,	—
Trimmer Locations	1206-VII
A1 Series—Operating Volt-	—
ages, Chassis Layout,	—
Service Data, Phonograph	—
Connections	1207-VII
A1 Series—Parts List	1208-VII
6J Series ("A" Issue)	—
Same as Wells-Gardner	—
6J Series ("A" Issue)	868-VII

6J Series ("B" Issue)	—
Same as Wells-Gardner	—
6J Series ("B" Issue)	869-VII

6L Series—Same as Wells-	—
Gardner 6L Series	1440-VII

7L Series—Same as Wells-	—
Gardner 7L Series	1442-VII

11B—Schematic	1557-VII
---------------	----------

46L—(Same as Wells Gardner	—
Series 6L)	1440-VII

47LL—(Same as Wells	—
Gardner 7L Series)	1442-VII

47P608 (Same as Wells	—
Gardner Series 7P)	1156-VII

510—Schematic, Chassis	—
Layout, Service Data,	—
Data, Parts List	1558-VII

540—Schematic	1559-VII
---------------	----------

650 A-B-C (Battery)	—
Schematic	1559-VII

740 (Same as Belmont 740	—
Series A)	1174-VII

774 (Same as Wells Gardner	—
Series A2)	1295-VII

776 (Same as Wells Gardner	—
Series A3 and A6)	1723-VII

787 Series A—Schematic,	—
Chassis Layout, Trimmer	—
Locations	1357-VII

787 Series A—Alignment,	—
Service Data, Parts List	—
	1358-VII

810—Schematic	1560-VII
---------------	----------

850B—Schematic	1561-VII
----------------	----------

1170 Series A—Schematic,	—
Alignment, Trimmer Lo-	—
cations, Parts List	1562-VII

1172 Series A—Schematic,	—
Alignment, Trimmer Lo-	—
cations, Parts List	1562-VII

**GAROD RADIO CORPORATION**

EA	188D-Is
M31—Schematic	400-VI
M31LW—Schematic	400-VI
M-32—Schematic	401-VI
M32LW—Schematic	401-VI
M33—Schematic	401-VI
M33LW—Schematic	400-VI
26—Schematic	399-VI
31—Socket Voltages,	—
Alignment	403-VI
31LW—Alignment, Socket	—
Voltage	403-VI
32—Alignment, Socket	—
Voltage	403-VI
32LW—Alignment, Socket	—
Voltage	403-VI
33—Alignment, Socket	—
Voltages	403-VI
33LW—Alignment, Socket	—
Voltages	403-VI
49—Schematic	399-VI
49M—Schematic, Alignment,	—
Chassis Layout, Socket	—
Voltages	402-VI
60—Schematic	403-VI
66—Schematic	404-VI
73—Schematic	647-VII
73LW—Schematic	647-VII
83—Schematic	648-VII
83LW—Schematic	648-VII

# INDEX

(Page 21)

**GAROD RADIO (Cont'd)**

104M—Schematic, Alignment, Chassis Layout, Socket Voltages .....405-VI  
 250—Schematic, Alignment, Operating Voltages.....47-VII  
 311M—Schematic .....406-VI  
 370—Schematic .....48-VII  
 370C—Schematic .....48-VII  
 370D—Schematic .....48-VII  
 370KC—Schematic .....48-VII  
 371—Schematic .....48-VII  
 371D—Schematic .....48-VII  
 371KC—Schematic .....48-VII  
 380—Schematic .....197-VII  
 380—Alignment, Operating Voltages .....198-VII  
 380D—Schematic .....197-VII  
 380D—Alignment, Operating Voltages .....198-VII  
 380KC—Schematic .....197-VII  
 380KC—Alignment, Operating Voltages .....198-VII  
 381—Schematic .....197-VII  
 381—Alignment, Operating Voltages .....198-VII  
 381D—Schematic .....197-VII  
 381D—Alignment, Operating Voltages .....198-VII  
 381KC—Schematic .....197-VII  
 381KC—Alignment, Operating Voltages .....198-VII  
 511A—Schematic, Alignment Socket Voltages, Chassis Layout .....407-VI  
 514M—Schematic .....408-VI  
 514M—Alignment .....409-VI  
 520—Schematic .....410-VI  
 520—Alignment, Socket Voltages, Chassis Layout .....411-VI  
 620—Schematic, Alignment, Operating Voltages.....196-VII  
 731—Schematic .....365-VII  
 830—Schematic .....366-VII  
 830C—Schematic .....366-VII  
 830D—Schematic .....366-VII  
 830KC—Schematic .....366-VII  
 831—Schematic .....366-VII  
 831C—Schematic .....366-VII  
 831KC—Schematic .....366-VII  
 930—Schematic .....495-VII  
 930—Alignment, Operating Voltages .....496-VII  
 930D—Schematic .....495-VII  
 930D—Alignment, Operating Voltages .....496-VII  
 930KC—Schematic .....495-VII  
 930KC—Alignment, Operating Voltages .....496-VII  
 931—Schematic .....495-VII  
 931—Alignment, Operating Voltages .....496-VII  
 931D—Schematic .....495-VII  
 931D—Alignment, Operating Voltages .....496-VII  
 931KC—Schematic .....495-VII  
 931KC—Alignment, Operating Voltages .....496-VII  
 1240—Schematic .....497-VII  
 1240—Alignment, Operating Voltages .....498-VII  
 1240E—Schematic .....497-VII  
 1240E—Alignment, Operating Voltages .....498-VII  
 1240LC—Schematic .....497-VII  
 1240LC—Alignment, Operating Voltages .....498-VII  
 1650—Schematic .....649-VII  
 1650—Alignment, Operating Voltages, Trimmer Locations .....650-VII  
 1650H—Schematic .....649-VII  
 1650H—Alignment, Operating Voltages, Trimmer Locations .....650-VII  
 1650LC—Schematic .....649-VII  
 1650LC—Alignment, Operating Voltages, Trimmer Locations .....650-VII

4110—Schematic, Operating Voltages .....779-VII  
 4110—Alignment, Trimmer Locations .....780-VII  
 4110E—Schematic, Operating Voltages .....779-VII  
 4110E—Alignment, Trimmer Locations .....780-VII  
 4110KC—Schematic, Operating Voltages .....779-VII  
 4110KC—Alignment, Trimmer Locations .....780-VII  
 5140—Schematic .....781-VII  
 5140—Alignment, Operating Voltages, Trimmer Locations .....782-VII  
 5140H—Schematic .....781-VII  
 5140H—Alignment, Operating Voltages, Trimmer Locations .....782-VII  
 5140LC—Schematic .....781-VII  
 5140LC—Alignment, Operating Voltages, Trimmer Locations .....782-VII

**GENERAL ELECTRIC COMPANY**

A52—Schematic .....420-VI  
 A52—Wiring Diagram .....421-VI  
 A53—Schematic .....426-VI  
 A53—Wiring Diagram .....427-VI  
 A53—Alignment .....428-VI  
 A54—Schematic .....429-VI  
 A54—Wiring Diagram .....430-VI  
 A54—Alignment .....431-VI  
 A55—Schematic .....420-VI  
 A55—Wiring Diagram .....421-VI  
 A-60 .....341-V  
 A63—Schematic .....444-VI  
 A63—Wiring Diagram .....455-VI  
 A63—Alignment, Socket Voltages .....446-VI  
 A64—Schematic .....447-VI  
 A64—Wiring Diagram .....448-VI  
 A64—Alignment, Socket Voltages .....449-VI  
 A64—Alignment (cont'd), Service Data, Socket Voltages (cont'd).....450-VI  
 A65—Schematic .....444-VI  
 A65—Wiring Diagram .....445-VI  
 A65—Alignment, Socket Voltages .....446-VI  
 A66 (Same as A64).....447-VI, 448-VI, 449-VI, 450-VI  
 A67—Schematic .....447-VI  
 A67—Wiring Diagram .....448-VI  
 A67—Alignment, Socket Voltages .....499-VI  
 A67—Alignment (cont'd), Service Data, Socket Voltages (cont'd).....450-VI  
 A70—Schematic .....456-VI  
 A70—Wiring Diagram .....457-VI  
 A70—Service Data, Alignment .....458-VI  
 A70—Socket Voltages, Alignment (cont'd), Service Data (cont'd) .....459-VI  
 A75—Schematic .....456-VI  
 A75—Wiring Diagram .....457-VI  
 A75—Service Data, Alignment .....458-VI  
 A75—Socket Voltages, Alignment (cont'd), Service Data (cont'd) .....459-VI  
 A-81 .....315-V  
 A82—Schematic .....471-VI  
 A82—Wiring Diagram .....472-VI  
 A82—Service Data, Alignment .....473-VI  
 A82—Alignment (cont'd), Service Data (cont'd) .....474-VI  
 A82—Socket Voltages, Parts List, Wiring Diagram of "Sentry Box" .....475-VI  
 A83—Schematic .....476-VI  
 A83—Wiring Diagram .....477-VI  
 A83—Service Data, Alignment .....478-VI  
 A83—Socket Voltages, Service Data .....479-VI  
 A85—Schematic .....476-VI  
 A85—Wiring Diagram .....477-VI  
 A85—Service Data, Alignment .....478-VI  
 A85—Socket Voltages, Service Data .....479-VI  
 A86 (Same as A85).....476-VI, 477-VI, 478-VI, 479-VI  
 A87—Wiring Diagram .....472-VI  
 A87—Service Data, Alignment .....473-VI  
 A87—Alignment (cont'd), Service Data (cont'd) .....474-VI  
 A87—Socket Voltages, Parts List, Wiring Diagram of "Sentry Box" .....475-VI  
 A88—Schematic .....480-VI  
 A88—Wiring Diagram .....481-VI  
 A88—Wiring Diagram of "Sentry Box" .....482-VI  
 A88—Service Data on Phonograph .....483-VI  
 A88—Assembly Wiring Diagram .....484-VI  
 A88—Service Data, Alignment .....485-VI  
 A88—Alignment (cont'd) .....486-VI  
 A88—Service Notes, Parts List .....487-VI  
 A-90 .....316-V  
 A125—Schematic .....493-VI  
 A125—Wiring Diagram .....494-VI  
 A125—Wiring Diagram of "Sentry Box" .....495-VI  
 A125—Socket Voltages.....496-VI  
 A-205—Schematic .....499-VII  
 A-205—Wiring Diagram .....500-VII  
 A-205—Wiring Diagram of Sentry Box .....501-VII  
 A-205—Alignment, Alignment with Cathode Ray Oscilloscope .....503-VII  
 A-205—Operating Voltages, Trimmer Locations.....502-VII  
 A-205—Servicing "Sentry Box" .....504-VII  
 A208—Schematic .....499-VI  
 A-208—Wiring Diagram .....651-VII  
 A-208—Wiring Diagram of Sentry Box .....501-VII  
 A-208—Alignment, Alignment with Cathode Ray Oscilloscope .....503-VII  
 A-208—Operating Voltages, Trimmer Locations.....502-VII  
 A208—Adjustment of Dial Mechanism, Adjustment of Pickup, Adjustment of Record Changer, Servicing "Sentry Box" .....504-VII  
 A-208—Assembly Diagram .....653-VII  
 A-208—Automatic Record-Changer Adjustments .....652-VII  
 B-40 .....115-IV, 116-IV  
 B-52 .....317-V  
 B-81 .....318-V  
 B-86 .....318-V  
 BX .....117-IV  
 C-30 .....319-V  
 C-41 .....320-V  
 C-60 .....321-V  
 C-61 .....322-V  
 C-62—Schematic, Socket Voltages .....439-VI  
 C62—Wiring Diagram .....440-VI  
 C67—Schematic, Service Data .....51-VII

C67—Wiring Diagram, Assembly Diagram, Speaker Connections .....52-VII  
 C67—Alignment, Operating Voltages, Wiring Diagram of Power Supply .....53-VII  
 C-70 .....323-V  
 C-75 (Same as C-70).....323-V  
 D50—Schematic .....412-VI  
 D50—Wiring Diagram, Socket Voltages .....413-VI  
 D51—Schematic .....418-VI  
 D51—Wiring Diagram, Socket Voltages .....419-VI  
 D52—Schematic .....418-VI  
 D52—Wiring Diagram, Socket Voltages .....419-VI  
 D72—Schematic .....463-VI  
 D72—Wiring Diagram .....464-VI  
 D72—Service Data, Alignment .....465-VI  
 D72—Alignment (cont'd), Socket Voltages, Service Data .....466-VI  
 E50—Schematic .....1563-VII  
 E51—Schematic, Wiring Diagram .....50-VII  
 E51—Alignment, Operating Voltages, Trimmer Locations, Service Data, Parts List .....54-VII  
 E52—Schematic .....1563-VII  
 E52—Phono Circuit .....234-II  
 E61—Schematic .....435-VI  
 E61—Wiring Diagram .....436-VI  
 E61—Service Data, Alignment, Socket Voltages .....437-VI  
 E61—Alignment (cont'd), Socket Voltages (cont'd) Parts List .....438-VI  
 E62—Schematic .....435-VI  
 E62—Wiring Diagram .....436-VI  
 E62—Service Data, Alignment, Socket Voltages .....437-VI  
 E62—Alignment (cont'd), Socket Voltages (cont'd), Parts List .....438-VI  
 E68—Schematic .....435-VI  
 E68—Wiring Diagram .....436-VI  
 E68—Service Data, Alignment, Socket Voltages .....437-VI  
 E68—Alignment (cont'd), Socket Voltages (cont'd) Parts List .....438-VI  
 E71—Schematic .....460-VI  
 E71—Wiring Diagram .....461-VI  
 E71—Socket Voltages .....462-VI  
 E-71W—Schematic, Service Data .....654-VII  
 E-71W—Alignment .....655-VII  
 E-71W—Operating Voltages, Trimmer Locations.....656-VII  
 E72—Schematic .....460-VI  
 E72—Wiring Diagram .....461-VI  
 E72—Socket Voltages .....462-VI  
 E-72W—Schematic, Service Data .....654-VII  
 E-72W—Alignment .....655-VII  
 E-72W—Operating Voltages, Trimmer Locations.....656-VII  
 E76—Schematic .....460-VI  
 E76—Wiring Diagram .....461-VI  
 E76—Socket Voltages .....462-VI  
 E-79—Schematic .....1071-VII  
 E-79—Wiring Diagram .....1072-VII  
 E-79—Alignment, Operating Voltages .....1073-VII  
 E-79—Alignment (Continued) Operating Voltages .....1074-VII  
 E-79—Pickup Adjustments, Parts List .....1075-VII  
 E81—Schematic .....467-VI  
 E81—Wiring Diagram .....468-VI

# INDEX

(Page 22)

**GEN. ELECTRIC (Cont'd)**

E81—Service Data, Alignment, Socket Voltages .....469-VI  
 E81—Alignment (cont'd), Socket Voltages (cont'd) .....470-VI  
 E86—Schematic .....467-VI  
 E86—Wiring Diagram .....468-VI  
 E86—Service Data, Alignment, Socket Voltages .....469-VI  
 E86—Alignment (cont'd), Socket Voltages, (cont'd) .....470-VI  
 E87—Schematic .....471-VI  
 E91—Schematic .....199-VII  
 E91—Wiring Diagram Service Data .....200-VII  
 E91—Alignment, Operating Voltages, Trimmer Locations .....201-VII  
 E91—Alignment with Oscilloscope, Operating Voltages, Dial Adjustments .....202-VII  
 E95—Schematic .....199-VII  
 E95—Wiring Diagram, Service Data .....200-VII  
 E95—Alignment, Operating Voltages, Trimmer Locations .....201-VII  
 E95—Alignment with Oscilloscope, Operating Voltages, Dial Adjustments .....202-VII  
 E-101—Schematic .....369-VII  
 E-101—Wiring Diagram, Service Data .....370-VII  
 E-101—Alignment with Oscilloscope, Alignment with Output Meter .....371-VII  
 E-101—Operating Voltages, Trimmer Locations, Service Data .....372-VII  
 E-105—Schematic .....369-VII  
 E-105—Wiring Diagram, Service Data .....370-VII  
 E-105—Alignment with Oscilloscope, Alignment with Output Meter .....371-VII  
 E-105—Operating Voltages, Trimmer Locations, Service Data .....372-VII  
 E-106—Schematic .....369-VII  
 E-106—Wiring Diagram, Service Data .....370-VII  
 E-106—Alignment with Oscilloscope, Alignment with Output Meter .....371-VII  
 E-106—Operating Voltages, Trimmer Locations, Service Data .....372-VII  
 E-115—Schematic, Parts List .....783-VII  
 E-115—Wiring Diagram, Speaker Connections .....784-VII  
 E-115—Alignment with Oscilloscope, Alignment with Output Meter, Chassis Layout, Trimmer Locations .....785-VII  
 E-115—Operating Voltages, Service Data .....786-VII  
 E126—Schematic .....1564-VII  
 E129—Schematic .....1565-VII  
 E155—Schematic .....497-VI  
 E155—Alignment, Chassis Layout .....498-VI  
 F-53—Schematic, Operating Voltages, Service Data .....1076-VII  
 F-53—Alignment, Chassis Layout, Trimmer Locations, Parts List .....1209-VII  
 F-63—Schematic, Resistance Data .....1210-VII  
 F-63—Alignment, Operating Voltages, Parts List .....1211-VII  
 F-65—Schematic, Resistance Data .....1210-VII  
 F-65—Alignment, Operating Voltages, Parts List .....1211-VII  
 F66—Schematic, Resistance Data .....1210-VII  
 F-66—Alignment, Operating Voltages, Parts List .....1211-VII  
 F66B (Same as F65)—Schematic, Resistance Data .....1210-VII  
 F66B (Same as F65)—Alignment, Operating Voltages, Parts List .....1211-VII  
 F-70—Schematic, Chassis Layout, Trimmer Locations, Resistance Data, Parts List .....1212-VII  
 F-70—Alignment, Operating Voltages, Service Data .....1214-VII  
 F-70—Under Chassis Layout, Parts List .....1213-VII  
 F-75—Schematic, Chassis Layout, Trimmer Locations, Resistance Data, Parts List .....1212-VII  
 F-75—Alignment, Operating Voltages, Service Data .....1214-VII  
 F-75—Under Chassis Layout, Parts List .....1213-VII  
 F-81—Schematic, Chassis Layout, Trimmer Locations, Resistance Data, Parts List .....1359-VII  
 F-81—Alignment, Under Chassis Layout, Service Data .....1360-VII  
 F-81—Operating Voltages, Dial Adjustment, Parts List .....1361-VII  
 F-86—Schematic, Chassis Layout, Trimmer Locations, Resistance Data, Parts List .....1359-VII  
 F-86—Alignment, Under Chassis Layout, Service Data .....1360-VII  
 F-86—Operating Voltages, Dial Adjustment, Parts List .....1361-VII  
 F-96—Schematic .....1362-VII  
 F-96—Alignment, Alignment Trimmers, Service Data, A.F.C. Data, Automatic Tuning Data, Selector Trimmers, Parts List .....1363-VII  
 F-96—Under Chassis Layout, Parts List (Cont'd) .....1364-VII  
 F665 (Same as F65)—Schematic, Resistance Data .....1210-VII  
 F665 (Same as F65)—Alignment, Operating Voltages, Parts List .....1211-VII  
 FA-60—Schematic, Operating Voltages, Parts List .....1566-VII  
 FA-61—Schematic, Operating Voltages, Parts List .....1566-VII  
 FA-80—Schematic .....1567-VII  
 FB-52—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1568-VII  
 FB-53—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1568-VII  
 FB-56—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1568-VII  
 FB-57—Schematic, Chassis Layout, Trimmer Loca-

tions, Battery Connections .....1568-VII  
 FB-72—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1569-VII  
 FB-73—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1569-VII  
 FB-76—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1569-VII  
 FB-77—Schematic, Chassis Layout, Trimmer Locations, Battery Connections .....1569-VII  
 FD-61—Schematic .....1570-VII  
 FD-62—Schematic .....1570-VII  
 FD-625—Schematic .....1570-VII  
 H-31 .....266A-Is, 266H-Is  
 H-32 .....242-II  
 H-51 .....266D-Is, 266H-Is  
 H-51R .....238-II, 239-II  
 H-71 .....266B-Is, 266G-Is  
 H-71R .....238-II, 239-II  
 H-72 .....238F-IIs, 238G-IIs  
 H-91 .....242A to 242I-IIs  
 H-91R .....242A to 242I-IIs  
 J-70 .....238C, D, E-IIs  
 J-72 .....324-V  
 J-75 .....238C, D, E-IIs  
 J-80 .....238H-IIs, 238I-IIs  
 J-82 .....325-V  
 J-83—Schematic, Wiring Diagram .....657-VII  
 J-83—Alignment, Operating Voltages, Trimmer Locations, Speaker Connections .....658-VII  
 J-83-A—Schematic, Alignment, Operating Voltages, Speaker Connections .....368-VII  
 J-85 .....238H-IIs, 238I-IIs  
 J-86 .....325-V  
 J-87—Schematic, Wiring Diagram, Speaker Connections .....367-VII  
 J-87-A—Schematic, Wiring Diagram .....787-VII  
 J-87-A—Alignment, Operating Voltages, Trimmer Locations, Speaker Connection .....788-VII  
 J-88 .....325-V  
 J-100 .....326-V  
 J-105 .....326-V  
 J-107 .....326-V  
 J-109 .....118-IV, 119-IV, 120-IV  
 J-125 "Convention" Model .....424N-IIs  
 J-125A—Schematic .....925-VII  
 J-125A—Wiring Diagram .....926-VII  
 J-125A—Wiring Diagram of Amplifier .....927-VII  
 J-125A—Alignment, Operating Voltages, Parts List .....928-VII  
 K-40 .....327-V  
 K-40-A .....121-IV  
 K-41 (Same as K-40) .....327-V  
 K-43 .....328-V  
 K-48 .....329-V  
 K-50 .....330-V  
 K-50-P .....122-IV  
 K-51 .....330-V  
 K-51-P .....122-IV  
 K-52 .....331-V  
 K-53 .....331-V  
 K-54-P .....123-IV  
 K-55 .....332-V  
 K-58 .....333-V  
 K-60 .....334-V  
 K-60-P .....124-IV  
 K-62 .....243-II  
 K-63 .....335-V

K-64 .....336-V  
 K-65 .....334-V  
 K-65-P .....124-IV  
 K-66 .....337-IV  
 K-78 .....338-V  
 K-79 .....339-V  
 K-80 .....340-V  
 K-80-X .....340-V  
 K-85 .....340-V  
 K-105 .....342-V  
 K-106 .....341-V  
 K-107 .....343-V  
 K-126 .....344-V  
 L-50 .....125-IV  
 L-51 .....125-IV  
 L-53 .....345-V  
 M-40 .....346-V  
 M-41 .....347-V  
 M-42 (Same as M-41) .....347-V  
 M-49 .....348-V  
 M50—Schematic .....414-VI  
 M50—Wiring Diagram .....415-VI  
 M50—Service Data, Alignment .....416-VI  
 M50—Alignment (cont'd) Socket Voltages .....417-VI  
 M-51 .....349-V  
 M-51A (Same as M-51) .....349-V  
 M52—Schematic .....422-VI  
 M52—Wiring Diagram .....423-VI  
 M52—Service Data, Socket Voltages .....424-VI  
 M52—Alignment .....425-VI  
 M55—Schematic .....414-VI  
 M55—Wiring Diagram .....415-VI  
 M55—Service Data, Alignment .....416-VI  
 M55—Alignment (cont'd), Socket Voltages .....417-VI  
 M-56 .....349-V  
 M-61 .....350-V  
 M61 (1935 Production) Schematic .....451-VI  
 M61 (1935 Production) Wiring Diagram .....452-VI  
 M61 (1935 Production) Service Data, Alignment .....453-VI  
 M61—Alignment (cont'd), Socket Voltages .....454-VI  
 M61—Alignment (cont'd), Parts List, Socket Voltages (cont'd) .....455-VI  
 M62—Schematic .....441-VI  
 M62—Wiring Diagram .....442-VI  
 M62—Alignment, Socket Voltages .....443-VI  
 M-63 .....351-V  
 M-65 .....352-V  
 M66—Schematic .....451-VI  
 M66—Wiring Diagram .....452-VI  
 M66—Service Data, Alignment .....453-VI  
 M66—Alignment (cont'd), Socket Voltages .....454-VI  
 M66—Alignment (cont'd), Parts List, Socket Voltages (cont'd) .....455-VI  
 M-67 .....350-V  
 M-68 .....353-V  
 M-81 .....354-V  
 M-86 .....354-V  
 M-89 .....355-V  
 M-106 .....356-V  
 M106 (1935 Production) Schematic .....490-VI  
 M106 (1935 Production) Wiring Diagram .....491-VI  
 M106 (1935 Production) Socket Voltages .....492-VI  
 M107 (1935 Production) Schematic .....490-VI  
 M107 (1935 Production) Wiring Diagram .....491-VI  
 M107 (1935 Production) Socket Voltages .....492-VI  
 M-125 .....357-V  
 M-128 .....358-V  
 M-128R .....359-V  
 M-129 .....360-V

.....336-V  
 .....334-V  
 .....124-IV  
 .....337-IV  
 .....338-V  
 .....339-V  
 .....340-V  
 .....340-V  
 .....340-V  
 .....342-V  
 .....341-V  
 .....343-V  
 .....344-V  
 .....125-IV  
 .....125-IV  
 .....345-V  
 .....346-V  
 .....347-V  
 .....347-V  
 .....348-V  
 .....414-VI  
 .....415-VI  
 .....416-VI  
 .....416-VI  
 .....417-VI  
 .....349-V  
 .....349-V  
 .....422-VI  
 .....423-VI  
 .....424-VI  
 .....425-VI  
 .....414-VI  
 .....415-VI  
 .....416-VI  
 .....416-VI  
 .....417-VI  
 .....349-V  
 .....349-V  
 .....422-VI  
 .....423-VI  
 .....424-VI  
 .....425-VI  
 .....414-VI  
 .....415-VI  
 .....416-VI  
 .....416-VI  
 .....417-VI  
 .....417-VI  
 .....349-V  
 .....349-V  
 .....451-VI  
 .....452-VI  
 .....453-VI  
 .....453-VI  
 .....454-VI  
 .....454-VI  
 .....455-VI  
 .....455-VI  
 .....441-VI  
 .....442-VI  
 .....443-VI  
 .....351-V  
 .....352-V  
 .....451-VI  
 .....452-VI  
 .....453-VI  
 .....453-VI  
 .....454-VI  
 .....454-VI  
 .....455-VI  
 .....455-VI  
 .....350-V  
 .....353-V  
 .....354-V  
 .....354-V  
 .....355-V  
 .....356-V  
 .....490-VI  
 .....491-VI  
 .....492-VI  
 .....490-VI  
 .....491-VI  
 .....492-VI  
 .....357-V  
 .....358-V  
 .....359-V  
 .....360-V

# INDEX

(Page 23)

**GEN. ELECTRIC (Cont'd)**

M655—Schematic	441-VI
M655—Wiring Diagram	442-VI
M655—Alignment, Socket Voltages	443-VI
N60—Schematic	432-VI
N60—Alignment	433-VI
N60—Service Notes, Socket Voltages, Parts List	434-VI
S-22	266G-1s
S-42	266G-1s
S-42-B	236F-11s
S-132	238J-11s
T-12	241-II
T-12D	238B-11s
T-12E	361-V
T-41	240-II
U50—Schematic	1563-VII
U51—Schematic, Operating Voltages, Trimmer Locations	1571-VII
U55—Schematic, Operating Voltages, Trimmer Locations	1571-VII
U70—Schematic, Operating Voltages, Trimmer Locations	1572-VII
U75—Schematic, Operating	369-V
2A—Schematic, Chassis Layout, Under Chassis Layout Voltages, Trimmer Locations	1572-VII

**GENERAL HOUSEHOLD UTILITIES COMPANY**

2A	55-VII
4A—Alignment	57-VII
4B—Schematic, Chassis Layout, Under Chassis Layout	56-VII
4B—Alignment	57-VII
4BX—Schematic, Chassis Layout, Under Chassis	56-VII
4BX—Alignment	57-VII
4C	500-VI
4NB—Schematic, Chassis Layout, Under Chassis Layout	376-VII
5A	363-V
5B	364-V
5C	365-V
5D—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout	204-VII
5D—Alignment, Service Data, Parts List	205-VII
5DX—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout	204-VII
5DX—Alignment, Service Data, Parts List	205-VII
5DZ—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout	204-VII
5DZ—Alignment, Service Data, Parts List	205-VII
5E—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout	203-VII
5E—Alignment, Service Data, Parts List	205-VII
5H—Schematic, Chassis Layout, Under Chassis Layout, Speaker Connections	505-VII
5J—Schematic, Chassis Layout, Under Chassis Layout, Speaker Connections	506-VII
5K—Schematic, Operating Voltages, Service Data	659-VII

5K—Alignment, Chassis Layout, Trimmer Locations	660-VII
5L—Schematic, Operating Voltages	789-VII
5L—Alignment, Parts List	791-VII
5L—Chassis Layout, Under Chassis Layout	790-VII
5M—Schematic, Operating Voltages, Chassis Layout	792-VII
5NB—Schematic, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List	929-VII
5NB—Alignment, Service Data	932-VII
5Q—Schematic, Operating Voltages, Speaker Connections	1365-VII
5Q—Alignment, Service Data, Parts List	1367-VII
5Q—Chassis Layout, Under Chassis Layout, Trimmer Locations	1366-VII
5R—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List	930-VII
5R—Alignment, Service Data	932-VII
5S—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List	931-VII
5S—Alignment, Service Data	932-VII
6A—Schematic, Operating Voltages, Resistance Data	206-VII
6C—Schematic, Operating Voltages, Resistance Data	375-VII
6D—Schematic, Operating Voltages, Resistance Data	373-VII
6F—Schematic, Operating Voltages, Resistance Data	374-VII
6M—Schematic, Operating Voltages, Speaker Connections	1215-VII
6M—Alignment, Service Data, Parts List	1217-VII
6M—Chassis Layout, Under Chassis Layout, Trimmer Locations	1216-VII
6N—Schematic, Alignment, Operating Voltages, Speaker Connections	1368-VII
6N—Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List	1369-VII
7A	366-V
7B—Schematic, Operating Voltages, Resistance Data	661-VII
7B—Alignment, Service Data	664-VII
7B—Chassis Layout, Trimmer Locations, Connections of Range Switch and Coil Assembly	662-VII
7B—Under Chassis Layout	663-VII
7B—Circuit Description, Parts List	665-VII
7BX—Schematic, Operating Voltages, Resistance Data	661-VII
7BX—Alignment, Service Data	664-VII
7BX—Chassis Layout, Trimmer Locations, Connections of Range Switch and Coil Assembly	622-VII

7BX—Under Chassis Layout	663-VII
7BX—Circuit Description, Parts List	665-VII
7BW—Schematic, Operating Voltages, Resistance Data	661-VII
7BW—Alignment, Service Data	664-VII
7BW—Chassis Layout, Trimmer Locations, Connections of Range Switch and Coil Assembly	662-VII
7BW—Under Chassis Layout	663-VII
7BW—Circuit Description, Parts List	665-VII
7BZ—Schematic, Operating Voltages, Resistance Data	661-VII
7BZ—Alignment, Service Data	664-VII
7BZ—Chassis Layout, Trimmer Locations, Connections of Range Switch and Coil Assembly	662-VII
7BZ—Under Chassis Layout	663-VII
7BZ—Circuit Description, Parts List	665-VII
7M—Schematic, Operating Voltages, Speaker Connections	1218-VII
7M—Alignment, Service Data, Parts List	1220-VII
7M—Chassis Layout, Under Chassis Layout	1219-VII
7NB—Schematic, Operating Voltages	1573-VII
7NB—Chassis Layout, Under Chassis Layout, Trimmer Locations	1574-VII
7Q—Schematic	1575-VII
8A	367-V
8B—Schematic, Chassis Layout, Trimmer Locations, Parts List	1370-VII
8D—Schematic, Operating Voltages, Resistance Data	1077-VII
8D—Alignment, Service Notes	1079-VII
8D—Chassis Layout, Trimmer Locations, Switch and Coil Assembly	1078-VII
8D—Parts List	1080-VII
8DX—Schematic, Operating Voltages, Resistance Data	1077-VII
8DX—Alignment, Service Notes	1079-VII
8DX—Chassis Layout, Trimmer Locations, Switch and Coil Assembly	1078-VII
8DX—Parts List	1080-VII
8DZ—Schematic, Operating Voltages, Resistance Data	1077-VII
8DZ—Alignment, Service Notes	1079-VII
8DZ—Chassis Layout, Trimmer Locations, Switch and Coil Assembly	1078-VII
8DZ—Parts List	1080-VII
8H—Schematic, Operating Voltages	1576-VII
9A	368-V
9B	369-V
9C—Schematic	1577-VII
11A	513-VI
11B (Same as 11A)	513-VI
11G—Schematic	1578-VII
12B—Schematic	1579-VII
12W—Schematic	1579-VII
15W—Schematic	1580-VII
30 Apex	370-V
99	371-V
99A	371-V
410—Schematic, Chassis Layout, Under Chassis Layout	376-VII

411—Schematic, Chassis Layout, Under Chassis Layout	376-VII
450 (Chassis 4A)—Schematic, Chassis Layout, Under Chassis Layout	55-VII
450 (Chassis 4A)—Alignment	57-VII
451 (Chassis 4A)—Schematic, Chassis Layout, Under Chassis Layout	55-VII
451 (Chassis 4A)—Alignment	57-VII
460 (Chassis 4B)—Schematic, Chassis Layout, Under Chassis Layout	56-VII
460 (Chassis 4B)—Alignment	57-VII
460X (Chassis 4BX)—Schematic, Chassis Layout, Under Chassis Layout	56-VII
460X (Chassis 4BX)—Alignment	57-VII
461 (Chassis 4B)—Schematic, Chassis Layout, Under Chassis Layout	56-VII
461 (Chassis 4B)—Alignment	57-VII
461X (Chassis 4BX)—Schematic, Chassis Layout, Under Chassis Layout	56-VII
461X (Chassis 4BX)—Alignment	57-VII
470 (Chassis 4C) Schematic, Chassis Layout, Under Chassis Layout	500-VI
500	363-V
501	364-V
501 (Chassis 5B) Schematic, Chassis Layout, Under Chassis Layout	501-VI
502	365-V
503	365-V
510—Alignment, Service Layout, Under Chassis Layout, Trimmer Locations, Parts List	929-VII
510—Alignment, Service Data	932-VII
513	372-V
520 (Chassis 5B) Schematic, Chassis Layout, Under Chassis Layout	501-VI
530 (Chassis 5B) Schematic, Chassis Layout, Under Chassis Layout	501-VI
532—Schematic, Chassis Layout, Under Chassis Layout, Speaker Connections	505-VII
542—Schematic, Chassis Layout, Under Chassis Layout, Speaker Connections	506-VII
550 (Chassis 5B) Schematic, Chassis Layout, Under Chassis Layout	501-VI
651—Schematic, Operating Voltages, Service Data	659-VII
551—Alignment, Chassis Layout, Trimmer Locations	660-VII
553—Schematic, Operating Voltages, Service Data	659-VII
553—Alignment, Chassis Layout, Trimmer Locations	660-VII
555—Schematic, Operating Voltages	789-VII
555—Alignment, Parts List	791-VII
555—Chassis Layout, Under Chassis Layout	790-VII

# INDEX

(Page 24)

**GEN. HOUSEHOLD (Cont'd)**

560 (Chassis 5E)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis  
Layout ..... 203-VII  
560 (Chassis 5E)—  
Alignment, Service Data,  
Parts List ..... 205-VII  
564—Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis Lay-  
out, Trimmer Locations,  
Parts List ..... 930-VII  
564—Alignment, Service  
Data ..... 932-VII  
566—Schematic, Operating  
out, Under Chassis Lay-  
Voltages, Chassis Lay-  
out, Trimmer Locations,  
Parts List ..... 931-VII  
566—Alignment, Service  
Data ..... 932-VII  
570 (Chassis 5D)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis  
Layout ..... 204-VII  
570 (Chassis 5D)—  
Alignment, Service Data,  
Parts List ..... 205-VII  
570X (Chassis 5DX)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis  
Layout ..... 204-VII  
570X (Chassis 5DX)—  
Alignment, Service Data,  
Parts List ..... 205-VII  
570Z (Chassis 5DZ)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis Lay-  
out ..... 204-VII  
570Z (Chassis 5DZ)—  
Alignment, Service  
Data, Parts List ..... 205-VII  
571 (Chassis 5D)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis  
Layout ..... 204-VII  
571 (Chassis 5D)—  
Alignment, Service Data,  
Parts List ..... 205-VII  
571X (Chassis 5DX)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis  
Layout ..... 204-VII  
571X (Chassis 5DX)—  
Alignment, Service  
Data, Parts List ..... 205-VII  
571Z (Chassis 5DZ)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Under Chassis  
Layout ..... 204-VII  
571Z (Chassis 5DZ)—  
Alignment, Service  
Data, Parts List ..... 205-VII  
572—Schematic, Operat-  
ing Voltages ..... 789-VII  
572—Alignment, Parts List  
791-VII  
572—Chassis Layout, Under  
Chassis Layout ..... 790-VII  
573—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1365-VII  
573—Alignment, Service  
Data, Parts List ..... 1367-VII  
573—Chassis Layout, Under  
Chassis Layout, Trimmer  
Locations ..... 1366-VII  
580 (Chassis 5G)  
Schematic ..... 502-VI  
581 (Chassis 5G)  
Schematic ..... 502-VI  
590—Schematic, Operat-  
ing Voltages, Chassis  
Layout ..... 792-VII

614—Schematic, Chassis Lay-  
out, Under Chassis Layout,  
Speaker Connections  
507-VII  
618—Schematic, Chassis Lay-  
out, Under Chassis Layout,  
Speaker Connections  
507-VII  
620 (Chassis 6HB)  
Schematic ..... 503-VI  
621 (Chassis 6HB)  
Schematic ..... 503-VI  
625—Schematic, Chassis Lay-  
out, Under Chassis Layout,  
Speaker Connections  
508-VII  
631—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1215-VII  
631—Alignment, Service  
Data, Parts List ..... 1217-VII  
631—Chassis Layout, Under  
Chassis Layout, Trimmer  
Locations ..... 1216-VII  
640 (Chassis 6J)  
Schematic ..... 504-VI  
641 (Chassis 6J)  
Schematic ..... 504-VI  
643—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1215-VII  
643—Alignment, Service  
Data, Parts List ..... 1217-VII  
643—Chassis Layout, Under  
Chassis Layout, Trimmer  
Locations ..... 1216-VII  
650 (Chassis 6A)—  
Schematic, Operating  
Voltages, Resistance  
Data ..... 206-VII  
651 (Chassis 6A)—  
Schematic, Operating  
Voltages, Resistance  
Data ..... 206-VII  
654—Schematic, Alignment,  
Operating Voltages,  
Speaker Connections  
1368-VII  
654—Chassis Layout, Under  
Chassis Layout, Trimmer  
Locations, Parts List  
1369-VII  
660—Schematic, Operating  
Voltages, Resistance Data  
375-VII  
661—Schematic, Operating  
Voltages, Resistance Data  
375-VII  
662—Schematic, Operating  
Voltages, Resistance Data  
375-VII  
670—Schematic, Operating  
Voltages, Resistance Data  
373-VII  
671—Schematic, Operating  
Voltages, Resistance Data  
373-VII  
680 (Chassis 6G)  
Schematic ..... 505-VI  
681 (Chassis 6G)  
Schematic ..... 505-VI  
690—Schematic, Operating  
Voltages, Resistance Data  
374-VII  
691—Schematic, Operating  
Voltages, Resistance Data  
374-VII  
700 ..... 366-V  
701 ..... 366-V  
711—Schematic, Operating  
Voltages ..... 1573-VII  
711—Chassis Layout, Under  
Chassis Layout, Trimmer  
Locations ..... 1574-VII  
720 (Chassis 7DB)  
Schematic ..... 506-VI  
721 (Chassis 7DB)  
Schematic ..... 506-VI  
723—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1218-VII

723—Alignment, Service  
Data, Parts List ..... 1220-VII  
723—Chassis Layout, Under  
Chassis Layout ..... 1219-VII  
731—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1218-VII  
731—Alignment, Service  
Data, Parts List ..... 1220-VII  
731—Chassis Layout, Under  
Chassis Layout ..... 1219-VII  
733—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1218-VII  
733—Alignment, Service  
Data, Parts List ..... 1220-VII  
733—Chassis Layout, Under  
Chassis Layout ..... 1219-VII  
735—Schematic, Operating  
Voltages, Speaker Con-  
nections ..... 1218-VII  
735—Alignment, Service  
Data, Parts List ..... 1220-VII  
735—Chassis Layout, Under  
Chassis Layout ..... 1219-VII  
750—Schematic, Operating  
Voltages, Resistance  
Data ..... 661-VII  
750—Alignment, Service  
Data ..... 664-VII  
750—Chassis Layout, Trim-  
mer Locations, Connec-  
tions of Range Switch  
and Coil Assembly ..... 662-VII  
750—Under Chassis Layout  
663-VII  
750—Circuit Description,  
Parts List ..... 665-VII  
751—Schematic, Operating  
Voltages, Resistance  
Data ..... 661-VII  
751—Alignment, Service  
Data ..... 664-VII  
751—Chassis Layout, Trim-  
mer Locations, Connec-  
tions of Range Switch  
and Coil Assembly ..... 662-VII  
751—Under Chassis Layout  
663-VII  
751—Circuit Description,  
Parts List ..... 665-VII  
752—Schematic, Operating  
Voltages, Resistance  
Data ..... 661-VII  
752—Alignment, Service  
Data ..... 664-VII  
752—Chassis Layout, Trim-  
mer Locations, Connec-  
tions of Range Switch  
and Coil Assembly ..... 662-VII  
752—Under Chassis Layout  
663-VII  
752—Circuit Description,  
Parts List ..... 665-VII  
753—Schematic, Operating  
Voltages, Resistance  
Data ..... 661-VII  
753—Alignment, Service  
Data ..... 664-VII  
753—Chassis Layout, Trim-  
mer Locations, Connec-  
tions of Range Switch  
and Coil Assembly ..... 662-VII  
753—Under Chassis Layout  
663-VII  
753—Circuit Description,  
Parts List ..... 665-VII  
755—Schematic ..... 1575-VII  
760 (Chassis 7C)  
Schematic ..... 507-VI  
760 (Chassis 7C) Chassis  
Layout, Under Chassis  
Layout ..... 708-VI  
760 (Chassis 7C) Alignment,  
Coil-Switch  
Assembly ..... 709-VI  
761 (Chassis 7C)  
Schematic ..... 507-VI  
761 (Chassis 7C) Chassis  
Layout, Under Chassis  
Layout ..... 508-VI

761 (Chassis 7C) Alignment,  
Coil-Switch  
Assembly ..... 509-VI  
801 ..... 367-V  
821—Schematic, Chassis  
Layout, Trimmer Loca-  
tions, Parts List ..... 1370-VII  
823—Schematic, Operating  
Voltages ..... 1576-VII  
831—Schematic, Operating  
Voltages ..... 1576-VII  
833—Schematic, Operating  
Voltages ..... 1576-VII  
835—Schematic, Operating  
Voltages ..... 1576-VII  
861—Schematic, Operating  
Voltages, Resistance Data  
1077-VII  
861—Alignment, Service  
Notes ..... 1079-VII  
861—Chassis Layout, Trim-  
mer Locations, Switch and  
Coil Assembly ..... 1078-VII  
861—Parts List ..... 1080-VII  
871 (Chassis 8E)  
Schematic ..... 510-VI  
871 (Chassis 8E) Chassis  
Layout, Under Chassis  
Layout ..... 511-VI  
871 (Chassis 8E)  
Alignment, Coil Switch  
Assembly ..... 512-VI  
901 ..... 368-V  
902 ..... 368-V  
921—Schematic ..... 1577-VII  
1101 ..... 369-V  
1151 (Chassis 11A) Schematic,  
Socket Voltages ..... 513-VI  
1152 (Chassis 11A) Schematic,  
Socket Voltages ..... 513-VI  
1161 (Same as 11A) ..... 513-VI  
1162 (Same as 11A) ..... 513-VI  
1171 (Chassis 11C)  
Schematic ..... 514-VI  
1171 (Chassis 11C), Chassis  
Layout, Under Chassis  
Layout ..... 515-VI  
1171 (Chassis 11C), Align-  
ment, Coil Switch As-  
sembly ..... 516-VI  
1191—Schematic ..... 1578-VII  
1191B—Schematic ..... 1578-VII  
1241 (Chassis 12A)  
Schematic ..... 517-VI  
1241 (Chassis 12A), Chassis  
Layout, Under Chassis  
Layout ..... 518-VI  
1241 (Chassis 12A), Align-  
ment, Coil Switch As-  
sembly ..... 519-VI  
1291—Schematic ..... 1579-VII  
1297—Schematic ..... 1579-VII  
1541—Schematic ..... 1580-VII

**GENERAL MOTORS PRODS.  
OF CANADA**

135 ..... 373-V

**GENERAL MOTORS RADIO  
CORP.**

**General Motors Models:**

A Chassis ..... 184-I  
MA Little General ..... 488-III  
S-2-A ..... 246-II  
S-2-B ..... 246-II  
S-10-A ..... 176C-II  
S-10-B ..... 176C-II  
120 ..... 374-V  
130 ..... 374-V  
140 ..... 374-V  
211 ..... 176E-II  
216 ..... 245-II  
217 ..... 245-II  
219 ..... 245-II



# INDEX

(Page 25)

**GEN. MOTORS (Cont'd)**

220	176G-IIs
250	245-II
251	246-II
252	244-II
253	244-II
254	244-II
255	244-II
256	244-II
257	244-II
258	244-II
281 Converter	242J-IIs

**Day Fan Models:**

See also Day Fan Elec. Co.

Motor Generator Set	181-I
OEM-7	177-I
OEM-11	177-I
Power Supply System	182-I
Six	179-I
Seven	179-I
5 AC	181-I
5 Tube, 1925 Model	177-I
6 Tube, DC	181-I
6 Tube, 32 Volts	182-I
6-61	180-I
6 AC	180-I, 181-I
6B	180-I
6 Junior	180-I, 181-I
7 Tube	179-I
8 AC	183-I
35	181-I
57	179-I
5044	178-I
5055	358A-IIs
5057	183-I
5080	183-I

**GILFILLAN BROS., INC.**

GN6	176B-IIs
4 Tube T. R. F. Schematic	520-VI
5 Tube All-Wave Super (Later) Schematic	521-VI
5 Tube Superhet, 1934-35	375-V
6 Tube, All Wave Superhet, 1934-35	376-V
6 Tube All Wave Super (Later) Schematic	522-VI
7 Tube All Wave Super, Schematic	523-VI
7-A—Schematic	520-VI
8 Tube All Wave Superhet, 1934-35	377-V
32	378-V
35	378-V
41	378-V
42A—Schematic	524-VI
43A—Schematic	524-VI
52A—Schematic	525-VI
54A—Schematic	525-VI
60	185-I
60 Car Radio, Schematic	526-VI
60A Car Radio, Schematic	526-VI
63B—Schematic	525-VI
63X—Schematic	525-VI
76A—Schematic	525-VI
77A—Schematic	525-VI
78B—Schematic	527-VI
78X—Schematic	527-VI
96B—Schematic	527-VI
96X—Schematic	527-VI
97B—Schematic	527-VI
97X—Schematic	527-VI
100	185-I
105	176B-IIs
106	176B-IIs
116X—Schematic, Alignment	528-VI
117X—Schematic, Alignment	528-VI

510—Schematic, Socket Voltages 520-VI

**GRAYBAR ELECTRIC CO.**

Graybarette 4	126-IV
H-34	See RCA 80
8	247-II, 266G-IIs
10-69, 10-88, 10-99, See RCA R74, R76, R77	
100	See RCA R50, R55
311	338-I
700	266A-IIs, 266H-IIs
770	266D-IIs, 266A-IIs
900	266B-IIs, 266H-IIs

**GRAY & DANIELSON MFG. (Remler)**

R-14	220F-IIs
Infradyne, 1927	220F-IIs
Infradyne, 1928	220F-IIs

**A. H. GREBE & CO.**

AH-1	188B-IIs, 188C-IIs
CR-6	186-I
CR-13	186-I
CR-18	186-I
MU-1	187-I
RORN Amplifier	186-I
SK-4	188-I, 188A-IIs
SK-4-DC	188C-I
Synchrophase 7AC	188-I, 189-I
Battery Set, 1923	187-I
671B Power Unit	188B-IIs

**GRIGSBY-GRUNOW CO.**

See General Household Util. Co.

Old Power Units	25-I
Noise Eliminators	192A-IIs
49	379-V
50	192B-IIs, 314-III
51	192B-IIs
52	192B-IIs, 333-III
55	258A-IIs
56	258A-IIs
57	258A-IIs
58	258A-IIs
7BP3 Power Unit	190-I, 341-III
7BP6 Power Unit	190-I, 341-III
7P3 Power Unit	194-I, 341-III
7P6 Power Unit	194-I, 341-III
8P3 Power Unit	195-I
8P6 Power Unit	195-I
9P3 Power Unit	399-III
9P6 Power Unit	399-III
10 S. W. Converter	258A-IIs
11	182H-IIs
15	250-II
15B	250-II
19	192-IV, 193-IV
20	248-II, 318-III
	329-III, 345-III, 346-III
21	333-III
22	248-II, 318-III
	329-III, 345-III, 346-III
23	248-II, 318-III
	329-III, 345-III, 346-III
25	256-II
25B	258B-IIs, 258D-IIs
30	249-II, 251-II
31	249-II, 251-II
35	258C-IIs, 258D-IIs
44	379-V
55	386-V
59	386-V

60	252-IIs
	190-I, 323-III, 333-III
61	252-II, 190-I
62	252-II, 190-I
66	380-V
67	385-V
68	385-V
69	386-V
70	190-I, 333-III, 344-III
70B	191-I
71	299-III, 344-III
72	191-I, 294-III
	299-III, 340-III, 344-III
75	386-V
80	190-I
85	387-V
86	387-V
90	191-I, 192A-IIs, 307-III
	312-III, 324-III, 333-III
90B	254-II, 192-I
91	299-III
92	299-III, 340-III
93	299-III
95	381-V
100	192-I
100B	193-I, 312-III
101	192-I
102	193-I, 312-III
103	193-I, 312-III
105	381-V
110 Auto Radio, 255-II, 256-II	
111 Auto Radio	382-V
114 Auto Radio	382-V
116 Auto Radio	127-IV
	128-IV, 129-IV
116A Auto Radio	130-IV
118 Car Radio, Schematic	529-VI
120	257-II, 490-III
120B	490-III
130	196-I
130A Power Unit	195-I
130A	196-I
131	319-III
132	319-III, 324-III
150	250-II
151	250-II
153	250-II
154	250-II
155	250-II
156	250-II
160	253-II
163	253-II
180	193-I
181	193-I
194	379-V
195	386-V
196	385-V
200	258E-IIs, 1821-IIs
201	258-IIs, 1821-IIs
203	258-IIs, 1821-IIs
204	258-IIs, 1821-IIs
210	258F-IIs
211	258F-IIs
214	258F-IIs
215	258F-IIs
220 Chassis	250A to 250H-IIs
220 AVC	490-III
221 Chassis	250A to 250H-IIs
223 Chassis	250A to 250H-IIs
230A	196-I
233	196-I
251	256-II
251B	258B-IIs, 258D-IIs
253	256-II
253B	258B-IIs, 258D-IIs
254	256-II
254B	258B-IIs, 258D-IIs
290	489-III, 4LL-IIs
291 Madison	489-III, 4LL-IIs
293 Adams	489-III, 4LL-IIs
294 Monroe	489-III, 4LL-IIs
300	131-IV, 132-IV, 133-IV
303	131-IV, 132-IV, 133-IV
304	131-IV, 132-IV, 133-IV
307	131-IV, 132-IV, 133-IV
310A	134-IV, 136-IV
310B	135-IV, 136-IV
320	137-IV
324	137-IV

330	138-IV, 193-IV, 140-IV
331	138-IV, 193-IV, 140-IV
336	138-IV, 193-IV, 140-IV
340	141-IV
	142-IV, 143-IV, 144-IV
340B	141-IV
	142-IV, 143-IV, 144-IV
351	258C-IIs
353	258C-IIs
360	145-IV, 146-IV, 147-IV
366	145-IV, 146-IV, 147-IV
370	148-IV
371	148-IV
373	148-IV
380	384-V
381	384-V
390	150-IV, 151-IV, 152-IV
393	150-IV, 151-IV, 152-IV
400	153-IV, 154-IV, 155-IV
400A	156-IV
411	153-IV, 154-IV, 155-IV
411A	156-IV
413	154-IV, 155-IV, 153-IV
413A	156-IV
440	379-V
460	385-V
461	385-V
463	385-V
490	383-V
491	383-V
493	383-V
500	386-V
520 Chassis	381-V
560	386-V
566	386-V
570 Automatic, Schematic	
	530-VI
599	386-V
600—Schematic	531-VI
608—Schematic	531-VI
666	385-V
776	385-V
800	387-V
886	385-V
996	385-V
998	387-V

**GULBRANSEN CO.**

See also Wells-Gardner

Champion Junior	196G-IIs
V6Z2 Auto Set	391-V
05A Series	388-V
062A	389-V
06W	390-V
5 Tube DC 258Q-IIs, 258P-IIs	
8 Tube Model	196H-IIs
8 Tube Chassis	
	258Q-IIs, 258R-IIs
9-in Line	197-I
13 258G-IIs, 258H-IIs, 258I-IIs	
20 258J-IIs, 258K-IIs, 258L-IIs	
60	258-II
63	258-II
80A	258M-IIs, 258N-IIs, 258P-IIs
724	196H-IIs

## H

**THE HALLICRAFTERS, INC.**

Super Skyrider—Schematic	207-VII
Ultra Skyrider—Schematic	208-VII
S8A "Communications Set" Schematic	533-VI
S9 "Super SKYRIDER" Schematic	534-VI

# INDEX

(Page 26)

**HALLICRAFTERS (Cont'd)**

S-10—Schematic .....208-VII  
 S-11—Schematic .....207-VII  
 5PA "SKY-BUDDY"  
 Schematic .....532-VI

**HALSON RADIO MFG. COMPANY**

Long & Broadcast .....495-III  
 NS40 .....392-V  
 NS50 .....399-V  
 NS60 .....399-V  
 Roadmaster .....400-V  
 CW7—Schematic .....209-VII  
 CW-11—Schematic .....377-VII  
 \*—Schematic .....209-VII  
 6L6—Schematic .....58-VII  
 20B .....392-V  
 25—Schematic, Alignment,  
 Trimmer Locations.....59-VII  
 50-R—Schematic .....509-VII  
 50-RL—Schematic .....509-VII  
 50X—Schematic .....210-VII  
 60M—Schematic .....210-VII  
 410 .....393-V  
 515 .....491-III  
 515 SW .....492-III  
 516 D. C. ....493-III  
 520 .....394-V  
 530 .....395-V  
 536—Schematic .....378-VII  
 610 .....396-V  
 615 .....494-III  
 620 .....397-V  
 630 .....398-V  
 1900—Schematic .....510-VII

**HAMMARLUND MFG. CO.**

Comet .....258S-IIs, 264A-IIs  
 264B-IIs, 264C-IIs, 264-IIs  
 Comet Pro .....496-III  
 Comet Pro AVC .....401-V  
 Comet Pro Battery .....402-V  
 Comet Pro Crystal .....403-V  
 Comet Pro Standard .....404-V  
 Hi-Q 5 Tube Battery, 356C-Is  
 Hi-Q 6 Tube Battery, 356C-Is  
 Hi-Q 6 Power Unit .....356C-Is  
 Hi-Q 30 AC .....51-I  
 Hi-Q 30 Battery .....356D-Is  
 Hi-Q 31 AC .....356-I  
 "Super-Pro"—Schematic,  
 (1st Half) .....536-VI  
 "Super-Pro"—Schematic,  
 (2nd Half) .....537-VI  
 "Super-Pro"—Alignment  
 .....535-VI  
 "Super-Pro"—Alignment  
 (cont'd), Chassis Lay-  
 out .....538-VI  
 "Super-Pro"—Parts List  
 .....539-VI  
 "Super-Pro"—Parts List  
 (concluded), Socket Volt-  
 ages, Trimmers, Battery  
 Connections .....540-VI  
 Z-4 Commander .....356D-Is

**HATRY & YOUNG, Inc.**

Short Wave 6.....188D-Is

**HETRO ELECTRIC INDUSTRIES, Inc.**

Series M1935 Air-Ace,  
 Schematic, Socket Volt-  
 ages, Chassis Layout  
 .....554-VI  
 Series M1936 Air-Ace,  
 Schematic, Chassis Lay-  
 out, Socket Voltages.....555-VI

Series V—5 tube AC Super-  
 het, Schematic, Chassis  
 Layout .....556-VI  
 Series 6B5 Air-Ace  
 Schematic, Alignment,  
 Chassis Layout .....551-VI  
 5 Tube A.C.-D.C. (175-550  
 Meters)—Schematic .....547-VI  
 5 Tube A.C.-D.C. (200-2000  
 Meters)—Schematic .....548-VI  
 6 Tube AC-DC—Schematic,  
 Socket Voltages, Chassis  
 Layout, Alignment .....549-VI  
 6 Tube AC Superhet,  
 Schematic, Socket Volt-  
 ages, Alignment, Chassis  
 Layout .....550-VI  
 6LB-1935—Schematic,  
 Chassis Layout .....552-VI  
 6LB-1936—Schematic,  
 Chassis Layout .....553-VI  
 6SB-1935—Schematic,  
 Chassis Layout .....552-VI  
 6SB-1936—Schematic,  
 Chassis Layout .....553-VI  
 239—Schematic .....557-VI  
 295—Schematic .....558-VI  
 297—Schematic .....559-VI

**HICKOCK ELECTRICAL INSTRUMENT CO.**

SG-4700 .....440-II  
 4949 Ohm-Capacity-Volt  
 meter .....441-II

**HIGH FREQUENCY LAB.**

Mastertone, 1929 .....356B-Is  
 Mastertone, 1931 .....356A-Is  
 Nine-in-Line, Battery.....356B-Is  
 225 .....498-III  
 226 .....497-III  
 227 .....499-III  
 238 .....498-III  
 242 .....497-III  
 280 .....499-III

**HI-LO RADIO CO.**

4 Tube AC-DC .....405-V  
 34TDDA .....405-V  
 40—Schematic .....212-VII

**CHAS. HOODWIN CO. (Aero)**

Aero Pentode Auto B.....500-III  
 Aero Seven .....196M-I  
 Aero World Wide Series  
 Radio .....501-III  
 Aerodyne DC6 .....196N-Is  
 International All-Wave  
 .....196K-Is  
 Low Power Trans., 1931  
 .....196L-Is  
 Metropolitan AC Four  
 .....196K-Is  
 One Tube Transmitter, 267-II  
 Pentode Power Am-  
 plifier .....502-III  
 Pentode Power Am-  
 plifier model B .....502-III  
 Pentode Transmitter .....503-III  
 Short Wave Adapters, 196M-Is  
 Short Wave Con-  
 verters .....196L-Is  
 Trio AC Three .....196N-Is  
 Two Tube Transmitter.....268-II  
 Two Tube 15 watt  
 Trans. ....196K-Is  
 World Wide One Tube.....267-II  
 4 Tube Midget .....406-V  
 4T Series A .....506-III  
 5 Tube Midget .....406-V  
 5T-1933 Series A .....504-III  
 6-33 A. V. C. ....506-III  
 6 Tube Battery Superhet  
 as of April 1st .....407-V  
 6 Tube AC Superhet .....407-V

6 Tube, 32 Volt Superhet  
 .....408-V  
 11 Tube International,  
 prior April 1, 1933 .....409-V  
 11 Tube International,  
 after April 1, 1933 .....410-V  
 110 Volt D. C. ....504-III  
 1929-1930 Auto Radio.....196L-Is  
 1931 Auto Radio .....196O-Is  
 1931 Midget .....1960-Is  
 1932 Converter .....503-III

**HERBERT H. HORN RADIO MFG. CO.**

5A—Schematic .....546-VI  
 7MT—Schematic .....541-VI  
 9MT—Schematic .....542-VI  
 9MTC—Schematic .....542-VI  
 10MT "Tiffany Tone"  
 Schematic .....379-VII  
 .....358D-Is  
 15 .....543-VI  
 16MT—Schematic .....543-VI  
 17MT "Tiffany Tone"  
 Schematic .....380-VII  
 .....265-II  
 49 .....666-VII  
 51—Schematic .....666-VII  
 52—Schematic .....544-VI  
 57—Schematic .....411-V  
 58 .....265-II, 458-II  
 59 .....793-VII  
 62—Schematic .....793-VII  
 63—Schematic .....545-VI  
 66MT—Schematic .....548-II  
 69 .....412-V  
 70 .....412-V  
 71 .....794-VII  
 76—Schematic .....549-II  
 79 .....933-VII  
 83—Schematic .....549-II  
 99 .....413-V  
 101 .....414-V  
 101B .....414-V  
 102 .....549-II  
 109 .....413-V  
 110 .....546-VI  
 535—Schematic .....546-VI  
 536—Schematic .....934-VII  
 537—Schematic .....934-VII  
 538—Schematic .....934-VII

**HOWARD RADIO COMPANY**

"Grand" Series 1—  
 Schematic of Tuner.....211-VII  
 "Grand" Series 1—  
 Schematic of Amplifier  
 and Power Supply,  
 Assembly Diagram.....212-VII  
 "Grand" (Series 2)  
 Schematic (Tuner) .....561-VI  
 "Grand"—Schematic (Am-  
 plifier), Schematic (Power  
 Unit) .....562-VI  
 Highwayman .....421-V  
 A-12—Schematic .....566-VI  
 AA-25—Schematic .....566-VI  
 AP .....157-IV  
 AVH .....261-II  
 B-13—Schematic .....567-VI  
 CC-23—Schematic .....567-VI  
 CC-24—Schematic .....567-VI  
 D-8—Schematic .....564-VI  
 D8 (Series A)—Schematic  
 .....565-VI  
 F (Series A)—Schematic  
 .....560-VI  
 H .....260-II  
 HA2—Schematic .....569-VI  
 HA4—Schematic .....569-VI  
 HA6 Series 1—Schematic,  
 Operating Voltages,  
 Service Hints .....381-VII  
 HA-6 Series 2—Schematic,  
 Alignment, Operating  
 Voltages .....511-VII

J-3—Schematic, Operating  
 Voltages, Production  
 Changes .....512-VII  
 K .....158-IV, 159-IV  
 L .....160-IV, 151-IV  
 M .....162-IV  
 O .....261-II  
 Q .....417-V  
 R-9—Schematic, Operating  
 Voltages .....1081-VII  
 S-2—Schematic .....1082-VII  
 S2-S7 .....416-V  
 S6C .....196D-I  
 S-256 Series I—Schematic  
 .....1581-VII  
 S-259 Series I—Schematic  
 .....1581-VII  
 SG-A .....196A-Is  
 SG-B Midget.....196S-Is, 259-II  
 SG-T .....258U-IIs  
 W (Explorer) .....418-V  
 W—Explorer (2nd Revise)  
 Schematic .....563-VI  
 X2 .....419-V  
 X3 .....419-V  
 X6 .....419-V  
 X8 .....419-V  
 Y3 .....420-V  
 Z .....1582-VII  
 5B—Schematic .....196-Is  
 8 Green Diamond .....1082-VII  
 8-7—Schematic .....415-V  
 19 Tube All Wave De  
 Luxe .....258T-IIs  
 45 .....568-VI  
 47A—Schematic .....568-VI  
 50 Series 1, Schematic.....568-VI  
 50SW (Series 2), Schematic  
 .....568-VI  
 52—Schematic .....569-VI  
 56 Series I—Schematic  
 .....1582-VII  
 57A—Schematic .....570-VI  
 57 AUS—Schematic .....570-VI  
 E57 (Series 1), Schematic,  
 Alignment .....571-VI  
 58—Schematic .....572-VI  
 60 Combination .....263-II  
 60 (Series 1), Schematic  
 .....570-VI  
 60 SW (Series 1)  
 Schematic .....571-VI  
 67—Schematic .....575-VI  
 68—Schematic, Parts List  
 .....1583-VII  
 77C—Schematic .....573-VI  
 77T—Schematic .....573-VI  
 99C—Schematic .....574-VI  
 99T—Schematic .....574-VI  
 135 .....264-II  
 118—Schematic, Operating  
 Voltages .....382-VII  
 214—Schematic .....1584-VII  
 218—Schematic, Operating  
 Voltages .....382-VII  
 256 Series I—Schematic  
 .....1585-VII  
 259 Series I—Schematic  
 .....1585-VII  
 266—Schematic, Parts List  
 .....1586-VII  
 268—Schematic, Parts List  
 .....1587-VII  
 318—Schematic .....1588-VII  
 325—Schematic .....1588-VII  
 405 .....566-VI  
 409 .....566-VI  
 502—Schematic .....569-VI  
 626—Schematic .....575-VI  
 1626—Schematic .....575-VI

**I**

**IMPERIAL FURNITURE CO.**

3SB5 .....422-V

# INDEX

(Page 27)

**I. C. A. EXPORT CORP.**

AC-108-250 V. ....423-V  
 Americus AC-DC .....424-V  
 Atlantic AC-DC .....425-V  
 Auxiliary Tube Tester...426-V  
 Broadcast & Long Wave  
 Combination AC .....269-II  
 Broadcast & Long Wave  
 Combination DC .....270-II  
 DC-220 V. & 110 V. ....427-V  
 Gnome AC-DC .....428-V  
 Insulette BC & LW .....272-II  
 Latinic AC-DC .....429-V  
 Mascot .....272-II  
 Midget, 110 V. AC .....271-II  
 Midget, 110 V. DC .....270-II  
 Midget, 220 V. DV .....271-II  
 Short Wave Set AC .....340-I  
 Una-Radio Nine .....340-V  
 62-JW—Schematic .....576-VI  
 62SW (Same as 63AW).....576-VI  
 63-AW—Schematic .....576-VII  
 66SW—Schematic .....214-VII  
 67AW—Schematic .....214-VII  
 95C—Schematic .....577-VI  
 95D—Schematic .....577-VI  
 810—Schematic .....578-VI  
 850—Schematic .....578-VI  
 1100-SW—Schematic .....579-VI  
 1150-LW—Schematic .....579-VI

**INTERNATIONAL RADIO CORP.**

All-Wave Duo .....488-V  
 Kadette, Jr. ....438-V, 439-V  
 Regal .....442-V  
 Waltone .....437-V  
 A "Kadette"—Schematic,  
 Operating Voltages...383-VII  
 A7—Schematic .....384-VII  
 A8—Schematic .....384-VII  
 A9—Schematic .....384-VII  
 A10—Schematic .....384-VII  
 AW-65—Schematic, Operat-  
 ing Voltages, Parts List  
 935-VII  
 B "Kadette"—Schematic,  
 Operating Voltages...383-VII  
 BW—Schematic .....384-VII  
 CD—Schematic .....384-VII  
 CM "Kadette"—Schematic  
 883-VII  
 D .....434-V  
 DAC—Schematic .....384-VII  
 DAS—Schematic .....384-VII  
 ES—Schematic .....795-VII  
 ES19—Schematic .....795-VII  
 ES20—Schematic .....795-VII  
 ES25—Schematic .....796-VII  
 ES30—Schematic .....795-VII  
 EX .....437-V  
 F .....438-V  
 F1 .....438-V  
 F2 .....439-V  
 J .....440-V  
 J-S—Schematic, Operating  
 Voltages, Parts List  
 935-VII  
 KS .....444-V  
 K-10—Schematic, Alignment,  
 Operating Voltages,  
 Parts List .....1221-VII  
 K-25—Schematic, Operating  
 Voltages, Parts List  
 1222-VII  
 K-26—Schematic, Operating  
 Voltages, Parts List  
 1222-VII  
 K-27—Schematic, Operating  
 Voltages, Parts List  
 1222-VII  
 K-28—Schematic, Operating  
 Voltages, Parts List  
 1222-VII  
 K40 .....442-V  
 K-43—Schematic, Alignment,  
 Operating Voltages,  
 Parts List.....1223-VII

K-60—Schematic, Parts List  
 1083-VII  
 K-60—Alignment, Operating  
 Voltages, Service Data  
 1084-VII  
 K-617—Schematic, Align-  
 ment, Operating Voltages,  
 Parts List .....1224-VII  
 L Classic—Schematic,  
 Alignment, Operating  
 Voltages .....60-VII  
 M .....442-V  
 P .....445-V  
 T .....446-V  
 TS .....447-V  
 20—Schematic .....580-VI  
 21—Schematic, Operating  
 Voltages, Parts List  
 216-VII  
 22—Schematic, Operating  
 Voltages, Parts List  
 216-VII  
 23—Schematic, Operating  
 Voltages, Parts List  
 216-VII  
 25—Schematic .....580-VI  
 26—Schematic, Alignment,  
 Socket Voltages .....581-VI  
 35—Schematic, Alignment,  
 Operating Voltages...513-VII  
 36—Schematic, Alignment,  
 Operating Voltages...514-VII  
 40 Jewel, Schematic...585-VI  
 52—Schematic, Alignment,  
 Socket Voltages .....582-VI  
 53—First Production,  
 Schematic .....583-VI  
 53—Later Production,  
 Schematic .....583-VI  
 53—Alignment Data,  
 Socket Voltages .....584-VI  
 56—Schematic .....580-VI  
 56X—Schematic, Alignment,  
 Operating Voltages...797-VII  
 60—Schematic .....585-VI  
 61—Schematic, Alignment,  
 Socket Voltages .....586-VI  
 65—Schematic .....587-VI  
 66—Schematic, Socket  
 Voltages .....588-VI  
 66X—Schematic, Align-  
 ment, Operating Voltages  
 61-VII  
 70—Schematic .....588-VI  
 72—Schematic, Alignment  
 589-VI  
 76—Schematic, Operat-  
 ing Voltages, Parts List  
 798-VII  
 76X—Schematic, Alignment,  
 Parts List .....936-VII  
 77—Schematic, Alignment,  
 Socket Voltages .....590-VI  
 80—Schematic .....591-VI  
 85—Schematic, Alignment,  
 Socket Voltages .....592-VI  
 86—Schematic, Alignment,  
 Operating Voltages...61-VII  
 86X—Schematic, Alignment,  
 Operating Voltages...797-VII  
 87—Schematic .....215-VII  
 90—Schematic, Alignment,  
 Socket Voltages .....593-VI  
 96—Schematic, Alignment,  
 Operating Voltages...61-VII  
 105—Schematic .....594-VI  
 105—Alignment, Socket  
 Voltages, trimmers...595-VI  
 120—Schematic .....596-VI  
 120—Alignment, Socket  
 Voltages, Trimmers...597-VI  
 150—Schematic, Alignment,  
 Operating Voltages,  
 Parts List .....1371-VII  
 151—Schematic, Alignment,  
 Operating Voltages,  
 Parts List .....1371-VII  
 400 Series—Schematic,  
 Alignment, Battery  
 Connections .....598-VI

500 Battery—Schematic,  
 Alignment .....62-VII  
 553—First Production,  
 Schematic .....583-VI  
 553—Later Production,  
 Schematic .....583-VI  
 533—Alignment Data,  
 Socket Voltages .....584-VI  
 661 (Same as 61).....586-VI  
 666—Schematic, Socket  
 Voltages .....588-VI  
 676—Schematic, Operat-  
 ing Voltages, Parts List  
 798-VII  
 676X—Schematic, Align-  
 ment, Parts List .....936-VII  
 777—Schematic, Alignment,  
 Socket Voltages .....590-VI  
 778—Schematic, Alignment,  
 Socket Voltages .....590-VI  
 779—Schematic, Alignment,  
 Socket Voltages .....590-VI  
 1019—Schematic, Alignment,  
 Operating Voltages, Trim-  
 mer Locations, Parts List  
 1372-VII  
 1050—Schematic .....594-VI  
 1050—Alignment, Socket  
 Voltages, Trimmers...595-VI  
 1200—Schematic .....596-VI  
 1200—Alignment, Socket  
 Voltages, Trimmers...597-VI  
 2200—Schematic .....596-VI  
 2200—Alignment, Socket  
 Voltages, Trimmers...597-VI

C-6 Transmitter .....521-III  
 C-12 Condenser Trans-  
 mitter .....273-III  
 D Amplifying Panel...196F-Is  
 D-6 .....521-III  
 GL-35 .....273-II  
 S-259 .....451-V  
 Level Indicator Panel  
 196E-Is  
 Portable Type Remote  
 Amplifier .....453-V  
 Type 3 Elp. Portable Film  
 Record Amplifier .....452-V  
 Type A Crystal Panel...454-V  
 Type P. R. Amplifier...455-V  
 3-B Mixing Panel .....196E-Is

**JEWELL ELECTRICAL INSTRUMENT CORP.**

See also Weston Electrical  
 Inst. Corp.

WD209 Tube Checker...442-II  
 214 Tube Checker .....522-III  
 444 Tester .....441-II  
 533 Tube Checker .....523-III  
 534 Tube Checker .....524-III  
 538 Tube Checker .....522-III  
 560 Oscillator .....442-II

## K

**JACKSON-BELL, Ltd.**

5 .....507-III  
 5A .....507-III  
 8 .....287B-IIs  
 25 .....508-III  
 26 .....509-III  
 27 .....510-III  
 28 .....511-III  
 29 .....513-III  
 33 .....515-III  
 50 .....278C-IIs  
 59 .....516-III  
 60 .....274-II  
 62 .....354-I, 517-III  
 63 .....517-III  
 64 .....517-III  
 68 .....278D-IIs  
 69 DC .....278E-IIs, F-IIs  
 79 .....278G-IIs  
 84 Peter Pan .....275-II  
 86 .....518-III  
 87 .....276-II  
 88 .....277-II  
 89 .....278H-IIs  
 89A .....278-II  
 96 .....519-III  
 99 .....520-III  
 645M .....278I-IIs  
 845 .....520-III  
 845S .....278J-IIs  
 S .....278A-IIs

**KADETTE**

See International Radio  
 Corp.

**KARADIO CORPORATION**

55—Schematic .....599-VI  
 57-B—Sheriff, Schematic  
 600-VI  
 65—Schematic .....601-VI  
 66—Schematic .....601-VI  
 88—Schematic .....602-VI  
 160—Schematic .....599-VI

**KELLER-FULLER MFG. CO., Ltd.**

14F Radiette .....355-I  
 20 .....279-II  
 30 .....525-III  
 40 .....525-III  
 50 .....328B-Is  
 60 .....328B-Is  
 70 .....280-II  
 80 .....281-II

**JACKSON RADIO & TELEVISION CO.**

See also Steinite Radio Co.

J104 .....449-V  
 J105 .....449-V  
 LK447 .....449-V  
 SF547 .....449-V  
 401A .....449-V  
 504B .....449-V

**JENKINS & ADAIR, Inc.**

A Amplifying Panel...196F-Is  
 "AM" Amplifying Panel  
 450-V

**KELLOGG SWITCHBOARD & SUPPLY CO.**

B Chassis .....199-I  
 Wave Master .....201-I  
 6 Tube Battery .....198-I  
 7 Tube AC .....198-I  
 7 Tube RFL .....201-I  
 523 .....200-I  
 524 Power Unit .....199-I  
 525 Power Unit .....199-I  
 526 .....200-I  
 527 Power Unit .....199-I  
 528 Power Unit .....199-I  
 533 .....200A-Is  
 534 .....200A-Is  
 535 .....200A-Is  
 536 .....200A-Is

# INDEX

(Page 28)

**COLIN B. KENNEDY CORPORATION**

6 ..... 203-I  
 7 Comet DC ..... 204-I  
 10 ..... 205-I  
 20 ..... 204-I, 205-I  
 22 DC ..... 282-II  
 24 ..... 258V-11s, W-11s  
 26 ..... 283-II  
 30 ..... 204B-1s  
 32 ..... 204B-1s  
 34 SW ..... 284-II  
 36 DC ..... 282-II  
 38 DC ..... 282-II  
 40 DC ..... 282-II  
 42 ..... 285-II  
 50 ..... 282-II  
 52 ..... 285-II  
 53 SW ..... 526-II  
 54 ..... 286-II  
 54A SW ..... 527-II  
 55 ..... 527-II  
 56 ..... 258X-11s  
 60 ..... 286-II  
 62 ..... 331-II, 528-II  
 62A ..... 530-II  
 62D—Schematic ..... 217-VII  
 63 ..... 530-II  
 64 ..... 531-II  
 64B ..... 531-II  
 66 ..... 532-II  
 66A ..... 532-II  
 66B ..... 532-II  
 80 ..... 204B-1s  
 110 ..... 202-I  
 220 ..... 202-I  
 281 ..... 202-I  
 430 ..... 403-I  
 431 ..... 203-I  
 435 ..... 204-I  
 521 ..... 204-I  
 525 ..... 204-I  
 526 ..... 319-II  
 632 ..... 325-II  
 826B ..... 204A-1s

**KING MFG. CORP.**

E ..... 207-I  
 F ..... 208-I  
 FF ..... 220E-1s  
 G ..... 211-I  
 H ..... 209-I  
 J ..... 210-I  
 Monarch ..... 210-I  
 Power Packs ..... 211-I  
 10 KI ..... 206-I  
 25 ..... 206-I  
 30 ..... 206-I  
 61 ..... 206-I  
 62 ..... 206-I  
 71 ..... 206-I  
 80 ..... 207-I  
 81 ..... 207-I  
 82 ..... 208-I  
 97 ..... 210-I  
 98 ..... 210-I  
 218 ..... 287-II

**KINGSTON RADIO CO., Inc.**

Gypsy ..... 460-V  
 55—Schematic ..... 603-VI  
 500 ..... 457-V  
 500A ..... 457-V  
 600A ..... 458-V  
 600B ..... 458-V  
 610A ..... 458-V  
 700 (Same as 700A) ..... 459-V  
 700A ..... 459-V  
 700B ..... 459-V

**KOLSTER RADIO, Inc.**

B-10 ..... 217-I  
 B-15 ..... 290A-11s, 217-I

B-16 ..... 290A-11s, 217-I  
 K-20 ..... 218-I, 218A-1s, 299-111  
 307-111, 310-111, 312-111  
 K-21 ..... 218-I, 299-111  
 K-22 ..... 218-I, 218A-1s  
 K23 ..... 218-I  
 K-23B (Same as K-23) ..... 218-I  
 K-24 ..... 218-I  
 K-25 ..... 218-I, 218A-1s  
 K-27 ..... 218-I, 218A-1s  
 K-28 ..... 218-I  
 K-28B (Same as K-28) ..... 218-I  
 K-29 (Same as K-28) ..... 218-I  
 K-30 ..... 218B-1s  
 K-32 ..... 218B-1s  
 K-37 ..... 218A-1s  
 K-42 ..... 218B-1s  
 K-43 ..... 215-I, 315-111, 319-111  
 K-44 ..... 215-I  
 K-45 ..... 216-I  
 K-60 ..... 288-II  
 K-62 ..... 288-II  
 K-63 ..... 533-111  
 K-65 ..... 310-111  
 K-70 ..... 289-II  
 K-72 ..... 289-II  
 K-73 ..... 533-111  
 K-80 ..... 290-II  
 K-82 ..... 290-II  
 K-83 ..... 534-111  
 K-90 ..... 291-II  
 K-92 ..... 291-II  
 K-93 ..... 534-111  
 K-103 ..... 533-111  
 K-110 ..... 461-V  
 K-112 ..... 461-V  
 K-113 ..... 462-V  
 K-120 ..... 461-V  
 K-122 ..... 461-V  
 K-123 ..... 462-V  
 K-130 ..... 463-V  
 K-132 ..... 463-V  
 K-140 ..... 264F-11s  
 K-142 ..... 264F-11s  
 K-165 International ..... 464-V  
 K-175 International ..... 465-V  
 6 Battery ..... 213-I  
 6D (same as 6H) ..... 214-I  
 6E (same as 6H) ..... 214-I  
 6EE (same as 6K) ..... 212-I  
 6F (same as 6K) ..... 212-I  
 6G (same as 6H) ..... 214-I  
 6H ..... 214-I  
 6J (same as 6K) ..... 212-I  
 6K ..... 212-I, 340-111  
 6L (Same as 6K) ..... 212-I  
 6M (Same as 6K) ..... 212-I  
 6R (Same as 6K) ..... 212-I  
 6RR (Same as 6K) ..... 212-I  
 7A ..... 214-I  
 7B ..... 214-II  
 7 AC ..... 213-I  
 8 A, B, C ..... 214-I  
 930 Columbia ..... 212-I

## L

**LAFAYETTE RADIO MFG. CO.**

Fireside No. 1—Schematic ..... 1589-VII  
 Mighty Atom ..... 535-II  
 Minstrel 2001—Schematic ..... 940-VII  
 Trutest SL-71—Schematic ..... 803-VII  
 A7—Schematic, Parts List ..... 220-VII  
 A11—Schematic, Parts List ..... 218-VII  
 A12—Schematic, Parts List ..... 218-VII  
 A14—Schematic, Parts List ..... 219-VII

A-15—Schematic, Parts List ..... 669-VII  
 A-18—Schematic, Parts List ..... 390-VII  
 A19—Schematic, Parts List ..... 219-VII  
 A-20—Schematic, Parts List ..... 515-VII  
 A-22—Schematic, Parts List ..... 388-VII  
 A-23—Schematic, Parts List ..... 389-VII  
 A-26—Schematic, Parts List ..... 388-VII  
 A-33—Schematic ..... 385-VII  
 A-34—Schematic ..... 517-VII  
 A-39—Parts List ..... 518-VII  
 A-34—Parts List ..... 518-VII  
 A-38—Schematic ..... 385-VII  
 A-39—Schematic ..... 517-VII  
 A-41—Schematic ..... 387-VII  
 A-54—Schematic ..... 516-VII  
 A-54—Parts List ..... 518-VII  
 A-55—Schematic ..... 516-VII  
 A-55—Parts List ..... 518-VII  
 A-77—Schematic, Parts List ..... 669-VII  
 AM-8—Schematic, Parts List ..... 515-VII  
 AM25—Schematic, Parts List ..... 220-VII  
 AS-6—Schematic ..... 386-VII  
 B97—Schematic ..... 1590-VII  
 B98—Schematic ..... 1590-VII  
 BA-2—Schematic ..... 1591-VII  
 C25—Schematic ..... 1592-VII  
 C-35—Schematic ..... 799-VII  
 C-55—Schematic ..... 799-VII  
 C40—Schematic ..... 937-VII  
 C42—Schematic ..... 937-VII  
 C-95—Schematic ..... 1225-VII  
 C-95—Alignment, Chassis Layout, Trimmer Locations ..... 1226-VII  
 D10—Schematic ..... 1593-VII  
 D11—Schematic ..... 1593-VII  
 D-13—Schematic ..... 670-VII  
 D-13—Alignment, Parts List ..... 671-VII  
 D-27—Alignment, Chassis Layout, Battery Connections ..... 1227-VII  
 D-28—Schematic ..... 1085-VII  
 D-28—Alignment, Chassis Layout, Parts List ..... 1086-VII  
 D-13—Alignment, Parts ..... 1227-VII  
 D-29—Alignment, Chassis Layout, Battery Connections ..... 1087-VII  
 D-30—Alignment, Chassis Layout, Parts List ..... 1088-VII  
 D-31—Schematic ..... 1087-VII  
 D-31—Alignment, Chassis Layout, Parts List ..... 1088-VII  
 D-45—Schematic, Alignment ..... 1228-VII  
 D-46—Schematic, Alignment ..... 1228-VII  
 D-52—Schematic, Alignment ..... 1373-VII  
 F-20—Schematic ..... 1589-VII  
 J4—Schematic ..... 937-VII  
 J-10—Schematic ..... 799-VII  
 J-19—Schematic, Alignment, Parts List ..... 672-VII  
 J-35—Schematic ..... 1374-VII  
 J-36—Schematic ..... 1374-VII  
 J-43—Schematic, Alignment, Trimmer Locations ..... 1375-VII  
 J-44—Schematic, Alignment, Trimmer Locations ..... 1376-VII  
 JB-3—Schematic ..... 800-VII  
 M-31—Schematic ..... 801-VII  
 M35—Schematic ..... 1594-VII  
 M37—Schematic ..... 1594-VII  
 M-43—Schematic ..... 800-VII  
 M44—Schematic ..... 1594-VII  
 M53—Schematic ..... 1594-VII  
 M-65—Schematic ..... 802-VII

M69—Schematic, Parts List ..... 220-VII  
 M70—Schematic, Parts List ..... 220-VII  
 M71—Schematic ..... 1592-VII  
 R-71—Schematic ..... 803-VII  
 S61—Schematic ..... 938-VII  
 S62—Schematic ..... 938-VII  
 T-21 (Early)—Schematic ..... 804-VII  
 T-21 (Late)—Schematic ..... 804-VII  
 VA ..... 344-IV  
 2A5 (First Minstrel)—Schematic ..... 939-VII  
 4 Tube Treasure Chest—Schematic ..... 803-VII  
 10 ..... 531-II, 532-II  
 10-C-10 (Same as 20) ..... 533-II, 534-II  
 20 ..... 533-II, 534-II  
 40, 40A ..... 534A, B, C, D-11s  
 80M (Same as 40A) ..... 534A, 534B, 534C, 534D-11s  
 143A—Schematic ..... 940-VII

**LANG RADIO COMPANY**

BA-5 AC ..... 293-II  
 BD-6 AC ..... 292-II  
 DC-6 ..... 163-IV  
 F-9 DC ..... 293-II  
 J-7 DC ..... 292-II  
 M-7 AC ..... 292-II  
 R-8 DC ..... 293-II  
 UG-5H ..... 466-V  
 502UA ..... 466-V

**LAUREHK RADIO MFG. CO.**

Musique 5-tube Battery Superheterodyne—Schematic ..... 673-VII  
 Musique 6-tube Auto Set—Schematic ..... 674-VII

**C. R. LEUTZ, Inc.**

Seven Seas Console ..... 338-I  
 Universal Trans-Oceanic ..... 338-I

**LINCOLN RADIO CORP.**

DC-8 ..... 358C-1s  
 R9 ..... 467-V  
 SW-33 ..... 468-V  
 10 De Luxe ..... 538-III  
 31 ..... 357-I  
 32 S. W. ..... 538-III

**LONG RADIO CO.**

70 Cardinal ..... 108D-1s

## Mc

**McMILLAN RADIO CO.**

8 AC ..... 219-I  
 900 ..... 219-I

**McMURDO SILVER INC.**

Masterpiece IV—Schematic ..... 221-VII

# INDEX

(Page 29)

**McMURDO SILVER (Cont'd)**

- Masterpiece IV—Alignment, Parts List ..... 222-VII
- Masterpiece V—Schematic, Operating Voltages ..... 805-VII
- Masterpiece V—Alignment, Chassis Layout, Parts List ..... 806-VII

## M

**MAJESTIC**

See Grigsby Grunow Co. and Majestic Radio & Television Corp.

**MAJESTIC RADIO & TELEVISION COMPANY**

- 50—Schematic, Alignment, Operating Voltages ..... 63-VII
- 60—Schematic, Alignment, Operating Voltages, Parts List ..... 223-VII
- 65—Schematic, Alignment, Operating Voltages, Trimmer Locations, Parts List ..... 64-VII
- 66—Schematic, Alignment, Operating Voltages, Trimmer Locations, Parts List ..... 64-VII
- 75—Schematic ..... 65-VII
- 76—Schematic ..... 65-VII
- 85—Schematic, Operating Voltages ..... 391-VII
- 85—Alignment, Parts List ..... 392-VII
- 86—Schematic, Operating Voltages ..... 391-VII
- 86—Alignment, Parts List ..... 392-VII
- 620—Schematic, Operating Voltages, Parts List ..... 224-VII
- 650—Schematic, Alignment, Operating Voltages, Trimmer Locations, Parts List ..... 64-VII
- 750—Schematic ..... 65-VII
- 800—Schematic, Operating Voltages ..... 522-VII
- 850—Schematic, Operating Voltages ..... 391-VII
- 850—Alignment, Parts List ..... 392-VII
- 1050—Schematic, Operating Voltages ..... 393-VII
- 1050—Alignment, Parts List ..... 394-VII
- 1250—Schematic, Operating Voltages ..... 519-VII
- 1250—Alignment ..... 520-VII
- 1250—Parts List ..... 521-VII

**MASTER RADIO MFG. CO., Ltd.**

- 424 Master Model ..... 355-I

**MASTERPIECE**

See McMurdo Silver Inc.

**MIDWEST RADIO CORP.**

- Battery 6, Model ..... 486-V
- Battery 7, 2V. Model ..... 487-V
- Battery 8, 2V. Model ..... 488-V
- Pentode 9 (1931-32) ..... 489-V
- Regal 37—Schematic ..... 68-VII

- SW 5-36 A.C.-D.C. Superhet. Schematic ..... 225-VII
- "Royale"—Schematic ..... 604-VI
- Ultra 5 ..... 552-II
- Ultra 6 ..... 554-II
- Ultra 7 ..... 544-II
- Ultra 8 Battery ..... 558-II
- Unitune 5 ..... 552-II
- Unitune 8 ..... 556-II
- Z4 (S. W. Converter) ..... 485-V
- AC6 ..... 476-V
- AC6 (Midget) ..... 477-V
- 6 Tube Battery Set Schematic ..... 523-VII
- 6 DC ..... 469-V
- 6-34 ..... 470-V
- 6-34 AL—Schematic ..... 1595-VII
- 6-37 AC-DC—Schematic, Chassis Layout, Trimmer Locations ..... 524-VII
- 6-37 Auto Radio—Schematic ..... 228-VII
- 6-38 AC-DC (Export)—Schematic ..... 1229-VII
- 6-38A AC-DC (Export)—Schematic ..... 1229-VII
- 7 Tube All-Wave 1936 Schematic ..... 605-VI
- 7-36—Schematic ..... 606-VI
- 7-36 A.C.-D.C.—Schematic ..... 66-VII
- 7-36 A.C.-D.C.—Alignment, Operating Voltages, Trimmer Locations ..... 67-VII
- 7-36 A.C. Superhet.—Schematic ..... 227-VII
- 7-36 Battery—Schematic ..... 226-VII
- 7-37—Schematic, Parts List ..... 616-VI
- 7-37 AC-DC—Schematic ..... 395-VII
- 7-37 Battery Set—Schematic ..... 396-VII
- 7-38 (Export) Battery Sets Schematic ..... 1232-VII
- 7-38 AC-DC—Schematic ..... 1230-VII
- 7-38 AC-DC (Export)—Schematic ..... 1231-VII
- 7-38A AC-DC—Schematic ..... 1231-VII
- 7-38A (Export) Battery Sets Schematic ..... 1232-VII
- 8AC ..... 478-V
- 8-33AC ..... 479-V
- 8-38 AC-DC—Schematic, Chassis Layout, Trimmer Locations ..... 1596-VII
- 8-38 AC-DC (Export) Schematic, Operating Voltages ..... 1597-VII
- 8-38 (Battery)—Schematic, Operating Voltages ..... 1598-VII
- 9AC ..... 550-II, 562-II
- 9AC (171 Type) ..... 480-V
- 9AC (1 SG 226 Type) ..... 481-V
- 9AC (1 SG 227 Type) ..... 480-V
- 9AC (4 SG 1930-31) ..... 482-V
- 9-31 (4SG)—Schematic ..... 1595-VII
- 9-32—Schematic ..... 1599-VII
- 9-34 ..... 471-V
- 9-38 AC-DC—Schematic ..... 1600-VII
- 9-38 AC-DC (Export) Schematic ..... 1600-VII
- 10-A—Schematic ..... 607-VI
- 10 AC ..... 483-V
- 10-34—Schematic ..... 397-VII
- 10-35—Schematic ..... 608-VI
- 10-37—Schematic ..... 609-VI
- 10-37 AC-DC—Schematic ..... 1601-VII
- 10-38 AC-DC—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations ..... 1600-VII
- 11 AC ..... 560-II
- 11-36—Schematic ..... 610-VI

- 11-37 AC—Schematic ..... 398-VII
- 11-37 AC-DC—Schematic ..... 525-VII
- 11-37 AC-DC—Alignment, Chassis Layout, Trimmer Locations ..... 526-VII
- 12 AC ..... 484-V
- 12-33—Schematic ..... 1599-VII
- 12-38—Schematic ..... 1603-VII
- 12-38 (Battery)—Schematic ..... 1604-VII
- 14-37—Schematic ..... 611-VI
- 14-37 Intermediate—Schematic ..... 675-VII
- 14-37A A.C. Superhet.—Schematic ..... 807-VII
- 16 ..... 472-V
- 16-32 ..... 473-V
- 16-33 ..... 473-V
- 16-34 ..... 474-V
- 16-35—Schematic ..... 612-VI
- 16-37 A.C. Superhet.—Schematic ..... 808-VII
- 16-38—Schematic ..... 1605-VII
- 18 Tube Set "Imperial" Schematic ..... 613-VI
- 18-36—Schematic ..... 614-VI
- 18-36A (Int.)—Schematic ..... 1606-VII
- 18-37—Schematic ..... 676-VII
- 18-38—Schematic ..... 1607-VII
- 20-38—Schematic ..... 1608-VII
- 35 S. W.—Schematic ..... 615-VI
- 746-M ..... 475-V
- 747-M ..... 475-V

**MILLS NOVELTY CO.**

- Phonograph Wiring 218C-Is, 218D-Is

**MISSION BELL RADIO CO., Inc.**

- 6A ..... 490-V
- 13 ..... 491-V
- 10A ..... 492-V
- 11 ..... 493-V
- 14 ..... 494-V
- 19 ..... 495-V
- 19A ..... 495-V
- 25A ..... 496-V
- 40 ..... 497-V

**MONTGOMERY WARD & CO.**

- AE-10 ..... 547-III
- AE-11 ..... 536-V
- AE-51 ..... 536-V
- AE-52 ..... 536-V
- AE-53 ..... 536-V
- AE-54 ..... 536-V
- Balboa ..... 218M-Is
- Cavalier ..... 300CC-Is
- Challenger 300Z, AA, BB-Is
- Challenger, Jr. .... 300R-Is
- Collegian ..... 300X-Is
- Commander ..... 300CC-Is
- Caronet ..... 300CC-Is
- Dictator ..... 300Y-Is
- Fantasy ..... 298-II
- Granada ..... 300Z, AA, BB-Is
- Minstrel ..... 298-II
- Princess ..... 300R-Is
- Seranader ..... 300Y-Is
- Solo ..... 298-II
- Soverign ..... 300-II
- Troubador 300S-Is, 300T-Is
- 062 ..... 501-V
- OEL Series (Same as 62-261) Schematic ..... 527-VII
- OEL Series—Alignment, Chassis Layout, Trimmer Locations, Service Data ..... 1089-VII

- OEL Series—Operating Voltages, Phono. Connections, Parts List ..... 1090-VII
- OEL Series—Movie Dial and Dial Drive Data ..... 1091-VII
- OEL Series—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII
- OEL Series—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII
- OEL Series—Movie Dial and Dial Drive Data (Continued), Supplementary Movie Dial and Dial Drive Data ..... 1094-VII
- OF Series—Schematic ..... 1233-VII
- OF Series—Alignment, Trimmer Locations ..... 1234-VII
- OF Series—Operating Voltages, Chassis Layout, Trimmer Locations, Resistance Data, Service Data, Parts List ..... 1235-VII
- OF Series—Movie Dial and Dial Drive Data ..... 1091-VII
- OF Series—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII
- OF Series—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII
- OF Series—Movie Dial and Dial Drive Data (Continued), Supplementary Movie Dial and Dial Drive Data ..... 1094-VII
- 2DL Series—Schematic ..... 1236-VII
- 2DL Series—Alignment, Operating Voltages, Trimmer Locations ..... 1237-VII
- 2DL Series—Chassis Layout, Resistance Data, Service Data, Parts List ..... 1238-VII
- 2DL—Series—Movie Dial and Dial Drive Data ..... 1091-VII
- 2DL Series—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII
- 2DL Series—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII
- 2DL—Series—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data ..... 1094-VII
- 7LL Series (Same as 308) Schematic ..... 70-VII
- 7LL Series (Same as 308) Operating Voltages, Chassis Layout, Trimmer Locations, Service Data ..... 71-VII
- 7LL Series—Movie Dial and Dial Drive Data ..... 1091-VII
- 7LL Series—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII
- 7LL Series—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII
- 7LL Series—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data ..... 1094-VII
- 7P Series—Movie Dial and Dial Drive Data ..... 1091-VII
- 7P Series—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII
- 7P Series—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII

# INDEX

(Page 30)

**MONTGOM. WARD (Cont'd)**

7P Series—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data ..... 1094-VII

7Q Series—Movie Dial and Dial Drive Data ..... 1091-VII

7Q Series—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII

7Q Series—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII

7Q Series—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data ..... 1094-VII

11 ..... 539-III

12 ..... 539-III

13 ..... 498-V

15 ..... 498-V

16 ..... 498-V

16X ..... 498-V

17 ..... 541-III

18 ..... 498-V

18X ..... 498-V

20 ..... 296-II

20W ..... 296-II

22 ..... 499-V

26P ..... 297-II

26PX ..... 297-II

26W ..... 300R-IIa

26-360 ..... 297-II

26-367 ..... 297-II

27W ..... 300X-IIa

27 WX ..... 300X-IIa

32W ..... 300R-II

49 ..... 296-II

49 ..... 535-V

51 ..... 500-V

62 ..... 501-V

62-1 ..... 542-III

62-010 ..... 500-V

62-020 ..... 500-V

62-030 ..... 300S-II, 300T-IIa

62-040 ..... 300-II

62-050 ..... 300Z, AA, BB-IIa

62-055 ..... 535-V

62-060 ..... 300R-IIa

62-070 ..... 300R-IIa

62-078 ..... 503-V

62-080 ..... 499-V

62-090 ..... 499-V

62-2 ..... 542-III

62-7 ..... 544-III

62-8 ..... 544-III

62-9 ..... 544-III

62-11 ..... 300C, D, E, F-IIa

62-12 ..... 300C, D, E, F-IIa

62-13 ..... 300A, 300B-IIa

62-14 ..... 300C, D, E, F-IIa

62-15 ..... 300A, 300B-IIa

62-16 ..... 300A, 300B-IIa

62-17 ..... 300A, 300B-IIa

62-18 ..... 300A, 300B-IIa

62-18X ..... 300A, 300B-IIa

62-19 ..... 300C, D, E, F-IIa

62-20 ..... 300L, M, N-IIa

62-20X ..... 300L, M, N-IIa

62-21 ..... 300G, H, I-IIa

62-22 ..... 300G, H, I-IIa

62-22X ..... 300G, H, I-IIa

62-23 ..... 300J, 300K-IIa

62-24 ..... 296-II

62-25 ..... 300L, M, N-IIa

62-26 ..... 300U, V, W-IIa

62-27 ..... 300C, D, E, F-IIa

62-29 ..... 539-III

62-30 ..... 300G, H, I-IIa

62-30X ..... 300G, H, I-IIa

62-34 ..... 545-III

62-35 ..... 539-III

62-36 ..... 545-III

62-36X ..... 545-III

62-38 ..... 546-III

62-38X ..... 546-III

62-40 ..... 300C, D, E, F-IIa

62-41 ..... 502-V

62-42 ..... 300G, H, I-IIa

62-42X ..... 300G, H, I-IIa

62-43 ..... 300G, H, I-IIa

62-43 ..... 503-V

62-43X ..... 503-V

62-44 ..... 546-III

62-44X ..... 546-III

62-45 ..... 507-V

62-46 ..... 300U, V, W-IIa

62-47 ..... 507-V

62-48 ..... 300G, H, I-IIa

62-48X ..... 300G, H, I-IIa

62-49 ..... 504-V

62-50 ..... 546-III

62-50X ..... 546-III

62-51 ..... 506-V

62-52 ..... 300O, P, Q-IIa

62-53 ..... 505-V

62-57 ..... 503-V

62-59 ..... 539-III

62-61 ..... 539-III

62-64 ..... 506-V

62-64X ..... 506-V

62-67 ..... 509-V

62-68 ..... 504-V

62-68X ..... 504-V

62-69 ..... 517-V

62-70 ..... 507-V

62-70X ..... 507-V

62-71 ..... 505-V

62-72 ..... 507-X

62-72X ..... 507-V

62-74 ..... 505-V

62-74X ..... 505-V

62-75 ..... 502-V

62-76 ..... 508-V

62-79 ..... 517-V

62-80 ..... 509-V

62-81 ..... 510-V

62-82 ..... 511-V

62-83 ..... 512-V

62-84 ..... 517-V

62-84X ..... 517-V

62-86 ..... 513-V

62-86X ..... 513-V

62-88 ..... 504-V

62-89 ..... 514-V

62-90 ..... 507-V

62-91 ..... 515-V

62-92 ..... 503-V

62-93 ..... 516-V

62-94 ..... 517-V

62-94X ..... 517-V

62-96 ..... 518-V

62-97 ..... 519-V

62-97X ..... 519-V

62-98 ..... 520-V

62-99 ..... 519-V

62-99X ..... 519-V

62-100 ..... 499-V

62-101 ..... 521-V

62-101X ..... 521-V

62-103 ..... 522-V

62-104 ..... 523-V

62-105 ..... 522-V

62-106 ..... 524-V

62-107 ..... 524-V

62-114—Schematic, Chassis Layout, Socket Voltages ..... 617-VI

62-116—Schematic, Chassis Layout, Socket Voltages ..... 617-VI

62-118 ..... 525-V

62-120—Schematic, Chassis Layout, Socket Voltages, Service Notes ..... 618-VI

62-121 ..... 524-V

62-122—Schematic, Chassis Layout, Socket Voltages, Service Notes ..... 618-VI

62-124—Schematic, Operating Voltages, Trimmer Locations ..... 232-VII

62-126—Schematic, Chassis Layout, Socket Voltages, Service Notes ..... 618-VI

62-128—Schematic, Chassis Layout, Socket Voltages, Service Notes ..... 618-VI

62-129—Schematic, Operating Voltages, Trimmer Locations ..... 232-VII

62-132 ..... 526-V

62-134 ..... 527-V

62-134X ..... 527-V

62-135—Schematic, Chassis Layout, Service Notes ..... 619-VI

62-135X—Schematic, Chassis Layout, Service Notes ..... 619-VI

62-136—Schematic, Socket Voltages, Service Data ..... 620-VI

62-137 ..... 526-V

62-138—Schematic, Socket Voltages, Service Data ..... 620-VI

62-139 ..... 527-V

62-139X ..... 527-V

62-140 ..... 528-V

62-140X ..... 528-V

62-147—Series A-B-C—Schematic ..... 621-VI

62-147X—Series A-B-C—Schematic ..... 621-VI

62-148 ..... 528-V

62-148X ..... 528-V

62-150—Schematic, Chassis Layout, Service Notes ..... 619-VI

62-150X—Schematic, Chassis Layout, Service Notes ..... 619-VI

62-151 (Same as 62-136) ..... 620-VI

62-152 (Same as 123) ..... 533-V

62-154—Schematic, Chassis Layout, Service Notes ..... 619-VI

62-154X—Schematic, Chassis Layout, Service Notes ..... 619-VI

62-156—Series A-B-C, Schematic ..... 621-VI

62-156X—Series A-B-C, Schematic ..... 621-VI

62-157 (Same as 62-136) ..... 620-VI

62-158 (Same as 123) ..... 533-V

62-164—Series A-B-C, Schematic ..... 621-VI

62-164X—Series A-B-C, Schematic ..... 621-VI

62-166—Schematic ..... 622-VI

62-169—Schematic, Service Data ..... 623-VI

62-171—Schematic, Service Data ..... 623-VI

62-173—Schematic ..... 624-VI

62-175—Schematic ..... 624-VI

62-176—Schematic ..... 624-VI

62-177—Schematic ..... 624-VI

62-181 ..... 300-II

62-188—Schematic ..... 624-VI

62-193—Schematic ..... 624-VI

62-178—Schematic ..... 625-VI

62-179—Schematic ..... 626-VI

62-181—Schematic ..... 625-VI

62-185—Schematic ..... 627-VI

62-185—Chassis Layout, Socket Voltages, Service Data ..... 628-VI

62-187—Schematic ..... 627-VI

62-187—Chassis Layout, Socket Voltages, Service Data ..... 628-VI

62-189—Schematic ..... 625-VI

62-190—Schematic ..... 627-VI

62-190—Chassis Layout, Socket Voltages, Service Data ..... 628-VI

62-192—Schematic ..... 629-VI

62-194—Schematic ..... 626-VI

62-195—Schematic ..... 629-VI

62-196—Schematic ..... 627-VI

62-196—Chassis Layout, Socket Voltages, Service Data ..... 628-VI

62-197—Schematic ..... 630-VI

62-197—Socket Voltages, Service Data, Trimmers ..... 632-VI

62-198—Schematic, Service Data ..... 633-VI

62-199—Schematic, Socket Voltages, Service Data ..... 634-VI

62-202—Schematic ..... 635-VI

62-203—Schematic ..... 636-VI

62-205—Schematic ..... 636-VI

62-206—Schematic ..... 626-VI

62-207—Schematic ..... 637-VI

62-208—Schematic ..... 636-VI

62-209—Schematic ..... 637-VI

62-211—Schematic ..... 625-VI

62-212—Schematic ..... 636-VI

62-215—Schematic ..... 638-VI

62-216—Schematic ..... 626-VI

62-217—Schematic ..... 636-VI

62-218—Schematic ..... 626-VI

62-219—Schematic ..... 636-VI

62-221—Schematic ..... 637-VI

62-224 (Same as 62-215) ..... 638-VI

62-225—Schematic, Service Data ..... 639-VI

62-226—Schematic ..... 70-VII

62-226—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data ..... 71-VII

62-228—Schematic ..... 70-VII

62-228—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data ..... 71-VII

62-229—Schematic ..... 640-VI

62-230—Schematic, Alignment, Service Notes ..... 69-VII

62-232 ..... 300S-IIa, 300T-IIa

62-236—Schematic, Operating Voltages, Service Data ..... 231-VII

62-240—Schematic, Alignment, Service Notes ..... 69-VII

62-242—Schematic ..... 641-VI

62-249—Schematic, Parts List ..... 229-VII

62-249—Alignment, Chassis Layout, Trimmer Locations ..... 230-VII

62-251—Schematic, Parts List ..... 399-VII

62-251—Alignment, Trimmer Locations ..... 400-VII

62-253—Schematic, Parts List ..... 399-VII

62-253—Alignment, Trimmer Locations ..... 400-VII

62-254—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations ..... 401-VII

62-255—Schematic, Parts List ..... 399-VII

62-255—Alignment, Trimmer Locations ..... 400-VII

62-258 Auto Radio Schematic, Alignment ..... 402-VII

62-259—Schematic ..... 70-VII

62-259—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data ..... 71-VII

62-261—Schematic ..... 527-VII

62-261—Alignment, Chassis Layout, Trimmer Locations, Service Data ..... 1089-VII

62-261—Operating Voltages, Phono Connections, Parts List ..... 1090-VII

62-261—Movie Dial and Dial Drive Data ..... 1091-VII

62-261—Movie Dial and Dial Drive Data (Continued) ..... 1092-VII

62-261—Movie Dial and Dial Drive Data (Continued) ..... 1093-VII



# INDEX

(Page 32)

**MONT. WARD & CO. (Cont'd)**  
 62-418—Movie Dial and Dial Drive Data (Continued) 1092-VII  
 62-418—Movie Dial and Dial Drive Data (Continued) 1093-VII  
 62-418—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Dial 1094-VII  
 62-426—Schematic, Trimmer Locations, Battery Connections 1609-VII  
 62-426—Alignment, Operating Voltages, Parts List 1610-VII  
 62-427—Movie Dial and Dial Drive Data 1091-VII  
 62-427—Movie Dial and Dial Drive Data (Continued) 1092-VII  
 62-427—Movie Dial and Dial Drive Data (Continued) 1093-VII  
 62-427—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data 1094-VII  
 62-428—Schematic Parts List 399-VII  
 62-428—Alignment, Trimmer Locations 400-VII  
 62-432—Movie Dial and Dial Drive Data 1091-VII  
 62-432—Movie Dial and Dial Drive Data (Continued) 1092-VII  
 62-432—Movie Dial and Dial Drive Data (Continued) 1093-VII  
 62-432—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data 1094-VII  
 62-436—Schematic, Trimmer Locations, Battery Connections 1609-VII  
 62-436—Alignment, Operating Voltages, Parts List 1610-VII  
 62-437—Movie Dial and Dial Drive Data 1091-VII  
 62-437—Movie Dial and Dial Drive Data (Continued) 1092-VII  
 62-437—Movie Dial and Dial Drive Data (Continued) 1093-VII  
 62-437—Movie Dial and Dial Drive Data (Concluded), Supplementary Movie Dial and Dial Drive Data 1094-VII  
 62-520 296-II  
 62-1040 299-II  
 62-1838 300-V, W-IIs  
 62-3145 300CC-IIs  
 62-3235 300S-IIs, 300T-IIs  
 62-3295 300Y-IIs  
 62-3335 300-II  
 77 530-V  
 87 531-V  
 95 530-V  
 102 532-V  
 123 533-V  
 131 533-V  
 133 533-V  
 142 533-V  
 144 533-V  
 181 300-II  
 187 300-II  
 308—Schematic 70-VII  
 308—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data 71-VII

318—Schematic 70-VII  
 318—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data 71-VII  
 408—Schematic 70-VII  
 408—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data 71-VII  
 418—Schematic 70-VII  
 418—Operating Voltages, Chassis Layout, Trimmer Locations, Service Data 71-VII  
 500 300Y-IIs  
 626 297-III  
 726 297-III  
 811 298-II  
 811X 298-II  
 839 534-V  
 921 534-V  
 923 534-V  
 924 534-V  
 1111 298-II  
 1111X 298-II  
 1238 300U, V, W-IIs  
 1238X 300U, V, W-IIs  
 1355 298-II  
 1355X 298-II  
 1500 300X-IIs  
 1522-1562 218M-IIs  
 1838 300U, V, W-IIs  
 1922 535-V  
 1955 298-II  
 2655 547-III  
 2822 218M-IIs  
 2827 218M-IIs  
 2895 218M-IIs  
 2897 218M-IIs  
 2955 218N-IIs  
 2955X 218N-IIs  
 2957 218N-IIs  
 2957X 218N-IIs  
 3035 218N-IIs  
 3037 218N-IIs  
 3065 218N-IIs  
 3067 218N-IIs  
 10,000 300Y-IIs  
 11,000 300Z, AA, BB-IIs  
 14,000 300CC-IIs  
 15,000 300X-IIs  
 62,000 300CC-IIs

**MOTOMETER GAUGE & EQUIPMENT CORP.**  
 10A Motovox 164-IV  
 10E Motovox 164-IV

**MOTOROLA**  
 See Galvin Mfg. Corp.

**MUSIQUE**  
 See Lauehk Radio Mfg. Co.

## N

**NATIONAL CO., Inc.**  
 AC SW-3 538-V  
 AC SW-58 539-V  
 AGS 540-V  
 AGSX 541-V  
 DC SW-3 538-V  
 DC SW-34 539-V  
 FBX 542-V  
 FBXA 542-V

MB-29 220B-IIs  
 MB-30 220B-IIs  
 SW-3 220A-IIs  
 SW-4 220A-IIs  
 SW-5 220C-IIs  
 Auto Receiver 220C-IIs  
 Browning Drake 4 Tube Bat. 301-II  
 Browning Drake 5 Tube Bat. 301-II  
 One Tube Reflex 301-II  
 Television Receiver 220C-IIs

**NATIONAL CARBON CO. Inc.**  
 Eveready 315-II  
 Eveready Tube Tables 630-III, 631-III  
 1 220-I  
 2 220-I  
 3 220-I  
 20 220E-IIs  
 21 220E-IIs  
 30 221-I  
 30C 221-I  
 40 221-I  
 50 Series 537-V  
 1929 340-III

**NATIONAL TRANSFORMER CO.**  
 Midget Six 358E-IIs  
 Screen Grid 8 358F-IIs

**NOBLITT-SPARKS INDUSTRIES, Inc.**  
 7—Car Radio—Schematic, Socket Voltages, Service Data 642-VI  
 7—Car Radio—Chassis Layout, Under Chassis Layout 643-VI  
 10A 543-V  
 15 544-V  
 16—Car Radio—Schematic, Parts List 644-VI  
 16—Car Radio—Socket Voltages, Service Data 645-VI  
 17—Car Radio—Schematic Socket Voltages, Service Data 646-VI  
 17—Car Radio—Chassis Layout, Under Chassis Layout 647-VI  
 18—Car Radio—Schematic, Socket Voltages, Service Data 648-VI  
 19—Schematic, Alignment, Service Data 1381-VII  
 19—Chassis Layout, Under Chassis Layout, Trimmer Locations 1382-VII  
 19—Parts List 1387-VII  
 20A 545-V  
 20B 546-V  
 25 547-V  
 27—Car Radio—Schematic, Socket Voltages, Service Data 649-VI  
 27—Car Radio—Under Chassis Layout, Chassis Layout 650-VI  
 28—Car Radio—Schematic, Socket Voltages, Service Data 651-VI  
 28—Car Radio—Chassis Layout, Under Chassis Layout 652-VI  
 29—Schematic, Alignment, Service Data 1383-VII

29—Chassis Layout, Under Chassis Layout, Trimmer Locations 1384-VII  
 29—Parts List 1387-VII  
 30A 538-V  
 33—Car Radio—Schematic, Socket Voltages, Service Data 653-VI  
 35 (Above Serial E31577H) 549-V  
 37—Car Radio—Schematic, Socket Voltages, Service Data 654-VI  
 37—Car Radio—Chassis Layout, Under Chassis Layout 655-VI  
 39—Schematic, Alignment, Service Data 1385-VII  
 39—Chassis Layout, Under Chassis Layout, Trimmer Locations 1386-VII  
 39—Parts List 1387-VII  
 41—Schematic, Socket Voltages, Alignment 656-VI  
 45 (Above Serial E40356L) 550-V  
 51—Schematic, Socket Voltages, Alignment 657-VI  
 51—Chassis Layout, Under Chassis Layout 658-VI  
 51B—Socket Voltages, Schematic, Service Data 659-VI  
 61—Schematic, Socket Voltages, Service Data 660-VI  
 61—Under Chassis Layout, Chassis Layout 661-VI  
 61B—Schematic, Socket Voltages, Service Data 662-VI  
 61B—Chassis Layout, Under Chassis Layout 663-VI  
 61M—Schematic, Socket Voltages, Service Data 664-VI  
 61M—Chassis Layout, Under Chassis Layout 665-VI  
 62—Schematic, Socket Voltages, Service Data 660-VI  
 62—Chassis Layout, Under Chassis Layout 661-VI  
 62B—Schematic, Socket Voltages, Service Data 662-VI  
 62B—Chassis Layout, Under Chassis Layout 663-VI  
 62M—Schematic, Socket Voltages, Service Data 664-VI  
 62M—Chassis Layout, Under Chassis Layout 665-VI  
 81—Schematic, Socket Voltages, Service Data 666-VI  
 81—Chassis Layout, Under Chassis Layout 667-VI  
 81M—Schematic, Socket Voltages, Service Data 668-VI  
 81M—Chassis Layout, Under Chassis Layout 669-VI  
 417—Schematic, Alignment, Operating Voltages, Service Data 72-VII  
 417—Chassis Layout, Under Chassis Layout 73-VII  
 467—Schematic, Alignment, Operating Voltages, Service Data 72-VII  
 467—Chassis Layout, Under Chassis Layout 73-VII  
 508—Schematic 1611-VII  
 517—Schematic, Operating Voltages, Service Data 74-VII  
 517—Chassis Layout, Under Chassis Layout 75-VII



# INDEX

(Page 33)

**NOBLITT-SPARKS (Cont'd)**

517B—Schematic, Operating Voltages, Resistance Data 233-VII  
 517B—Chassis Layout, Under Chassis Layout 234-VII  
 518—Schematic 1612-VII  
 518A—Schematic 1612-VII  
 527—Schematic, Operating Voltages, Service Data 74-VII  
 527—Chassis Layout, Under Chassis Layout 75-VII  
 527B—Schematic, Operating Voltages, Resistance Data 233-VII  
 527B—Chassis Layout, Under Chassis Layout 234-VII  
 568—Schematic 1612-VII  
 568A—Schematic 1612-VII  
 578B—Schematic 1612-VII  
 608—Schematic 1611-VII  
 617—Schematic, Operating Voltages, Resistance Data, Parts List 1388-VII  
 617B—Schematic, Operating Voltages, Resistance Data, Parts List 403-VII  
 617B—Chassis Layout, Under Chassis Layout 406-VII  
 618—Schematic 1613-VII  
 618A—Schematic 1613-VII  
 618B—Schematic 1613-VII  
 627—Schematic, Operating Voltages, Resistance Data, Parts List 1388-VII  
 627B—Schematic, Operating Voltages, Resistance Data, Parts List 403-VII  
 627B—Chassis Layout, Under Chassis Layout 404-VII  
 628—Schematic 1613-VII  
 628B—Schematic 1613-VII  
 628CS—Schematic 1613-VII  
 818—Schematic 1614-VII  
 818AT—Schematic 1614-VII  
 828—Schematic 1614-VII  
 927—Schematic, Operating Voltages, Resistance Data, Parts List 405-VII  
 927—Chassis Layout, Under Voltages, Resistance Data, Parts List 407-VII  
 1127—Schematic, Operating Voltages, Resistance Data, Parts List 407-VII  
 1127—Chassis Layout, Under Chassis Layout 409-VII  
 1237—Schematic 1615-VII  
 1247—Schematic 1615-VII  
 1247A—Schematic 1615-VII  
 1427—Schematic 1616-VII  
 1427D—Schematic 1616-VII

**OZARKA, Inc.**

S-5 358G-1s  
 S-7 358G-1s  
 S. W. Converter 567-III  
 V-16 567-III  
 5A Viking 358G-1s  
 78 358I-1s  
 89 358H-1s, 343-III  
 90 358H-1s  
 91 290B-1Is  
 91 AC 302-II, 358I-1s  
 92 AC 561-III  
 93A 562-III  
 93B 566-III  
 93 Battery 566-III  
 94 A. V. C. 566-III  
 95WDI 302-II

**P**

**PACENT ELECTRIC CO., Inc.**  
 Booth connections, film reproducer 303-II, 304-II

C-62 Power Supply 555-V  
 C-66 Power Supply 555-V  
 C-1005 Amplifier 556-V  
 C-1100 Jr. Amplifier 560-V  
 Disc and film reproducer 305-II  
 Disc and Film Control Box 557-V  
 Disc Film & Fader 558-V  
 Disc and P.E.C. Lamp and Projector with Booster 559-V  
 Fader for use with Disc and Film 552-V  
 Fader for use with Disc only 552-V  
 New Type Rectifier 554-V  
 Old Type Rectifier 554-V  
 PEC Booster 551-V  
 PEC Booster Heater Supply 560-V  
 PEC & Exciter Lamp Circuit 555-V  
 Speaker & MDA Service 558-V  
 2MDA-F Control Circuit 551-V  
 2MDA-F Harness 553-V  
 2MD4-F AC Service Harness 552-V  
 4MDA-F Amplifier 555-V  
 4MDA-F Harness 553-V  
 4 Speaker & MDA Service 554-V  
 10-2 Power Supply 555-V  
 20 Power Supply 555-V  
 63 P. E. C. Amplifier-Push Pull 556-V  
 65 Amplifier 559-V  
 70 Amplifier 560-V  
 1010 Power Supply 557-V  
 1015 Amplifier 551-V  
 1015 Power Supply 551-V  
 1020 S. P. U. 559-V  
 1063 P. E. C. Amplifier Push Pull 556-V  
 1070 Amplifier 558-V

**PACIFIC RADIO CORPORATION**

22—Schematic 1095-VII  
 27—Schematic 683-VII  
 45—Schematic 684-VII  
 57—Schematic 1096-VII  
 57-C—Schematic 1096-VII  
 80—Schematic 1239-VII  
 226—Schematic 1095-VII  
 226-D—Schematic 1095-VII  
 456—Schematic 684-VII  
 456-D—Schematic 684-VII  
 456-N—Schematic 684-VII  
 556—Schematic, Chassis Layout 1240-VII  
 556-C—Schematic, Chassis Layout 1240-VII  
 Voltages, Resistance  
 806—Schematic 1239-VII  
 806-C—Schematic 1239-VII

**PACKARD-BELL CO.**

5 "Kompak"—Schematic 236-VII  
 35—Schematic 670-VI  
 45M—Schematic 76-VII  
 46—Schematic 76-VII  
 48—Schematic 671-VI  
 50 "High Fidelity"—Schematic, Chassis Layout 236-VII  
 65-Auto Set—Schematic 670-VI  
 67 "Auto Set"—Schematic, Chassis Layout 236-VII

**PATTERSON RADIO CO.**

PR-10 565-V  
 PR-16—Schematic, Socket Voltages 672-VI  
 PR-16—Alignment 673-VI  
 PR-16—Alignment (cont'd) 674-VI  
 50 AW 563-V  
 60 Series 561-V  
 60 AW 561-V  
 64 AW 561-V  
 79 AW 562-V  
 74 AW 562-V  
 75-AW—Schematic, Alignment 675-VI  
 75-AW-A—Schematic 676-VI  
 80 Series 563-V  
 80 AW 563-V  
 84 AW 563-V  
 85-AW—Schematic 677-VI  
 85-AW-A—Schematic 676-VI  
 86-AW—Schematic, Socket Voltages, Alignment 678-VI  
 100-AW (Same as 104AW) 564-V  
 104-AW 564-V  
 105-AW—Schematic 679-VI  
 106-AW—Schematic, Socket Voltages 680-VI  
 107A (Same as 107) 562-V  
 107 AW 562-V  
 126-AW—Schematic, Socket Voltages 680-VI  
 175-AW—Schematic, Alignment 675-VI  
 175-AW-A—Schematic 676-VI  
 185-AW—Schematic 677-VI  
 185-AW-A—Schematic 676-VI  
 186-AW—Schematic, Socket Voltages, Alignment 678-VI  
 207 AW 562-V  
 210 AW 562-V  
 275-AW—Schematic, Alignment 675-VI  
 275-AW-A—Schematic 676-VI  
 285-AW—Schematic 677-VI  
 285-AW-A—Schematic 676-VI  
 286-AW—Schematic, Socket Voltages, Alignment 678-VI  
 375-AW—Schematic, Alignment 675-VI  
 375-AW-A—Schematic 676-VI  
 385-AW—Schematic 677-VI  
 385-AW-A—Schematic 676-VI  
 386-AW—Schematic, Socket Voltages, Alignment 678-VI  
 507AW (Same as 74AW) 562-V  
 508AW (Same as 84AW) 563-V  
 510 AW 564-V  
 1105-AW—Schematic 679-VI  
 1106-AW—Schematic, Socket Voltages 680-VI  
 1126-AW—Schematic, Socket Voltages 680-VI  
 2105-AW—Schematic 679-VI  
 2106-AW—Schematic, Socket Voltages 680-VI  
 2126-AW—Schematic, Socket Voltages 680-VI  
 3105-AW—Schematic 679-VI  
 3106-AW—Schematic, Socket Voltages 680-VI  
 3126-AW—Schematic, Socket Voltages 680-VI  
 9507 AW 562-V

**PFANSTIEHL PRODUCTS CO.**

34 230F-Is  
 50 230F-Is

**PHILCO RADIO & TELEVISION CORPORATION**

Baby Grand 310-III, 317-III

Combination 315-III  
 Neutrodyne Plus 344-III  
 Test Instruments for servicing Philco Sets 237-VII  
 3 566-V  
 4 S.W. Converter 310A-1Is  
 4C (Same as 4) 310A-1Is  
 5 230F-Is  
 6 681-VI  
 7 569-III, 168-IV  
 9 682-VI  
 11 683-VI  
 14 187-IV  
 14LZX 187-IV  
 14X 187-IV  
 14-91 684-VI  
 15 310I-1Is, 310J-1Is, 310K-1Is  
 16 171-IV, 172-IV, 173-IV  
 16 Code 125 & 126 567-V  
 16 (Codes 125, 126, 127), Schematic 685-VI  
 19—Schematic 686-VI  
 17 568-V  
 18 569-V  
 18 Code 24 570-V  
 19 (Code 128)—Schematic, Operating Voltage 409-VII  
 19LZ 183-IV  
 19LZX 183-IV  
 20 226B-Is  
 20A 226B-Is  
 21 226B-Is  
 22 (Same as 71) 373-III, 187-IV, 188-IV  
 22L 570-III, 187-IV, 188-IV  
 23 (Same as 14) 187-IV  
 23X 570-III  
 24 (Same as 52) 310B-1Is, 310C-1Is  
 25 (Same as 43) 175-IV, 176-IV, 177-IV, 178-IV  
 26 (Same as 89) 686-VI  
 27 (Same as 19) 686-VI  
 28 571-V  
 29 572-V  
 30 258-I, 309-II  
 32 573-V  
 34 574-V  
 34A 574-V  
 35 310-II  
 36 310-II  
 37 308A-II, 174-IV  
 37-9—Schematic, Parts List 813-VII  
 37-9—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations 814-VII  
 37-10 Code 121—Schematic, Service Data 238-VII  
 37-10 Code 121—Alignment, Operating Voltages, Speaker Connections 240-VII  
 37-10 Code 121—Parts List 239-VII  
 37-11 Code 121—Schematic, Service Data 238-VII  
 37-11 Code 121—Alignment, Operating Voltages, Speaker Connections 240-VII  
 37-11 Code 121—Parts List 239-VII  
 37-33—Schematic, Parts List 245-VII  
 37-33—Alignment, Operating Voltages, Trimmer Locations 246-VII  
 37-34—Schematic, Parts List 815-VII  
 37-34—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations 816-VII  
 37-38—Schematic, Parts List 243-VII

# INDEX

(Page 34)

- PHILCO RADIO (Cont'd)**
- 37-38—Alignment, Operating Voltages, Trimmer Locations ..... 244-VII
- 37-60—Schematic ..... 687-VI
- 37-60—Alignment, Trimmers ..... 688-VI
- 37-61—Schematic ..... 689-VI
- 37-61—Alignment, Trimmers ..... 690-VI
- 37-89—Schematic, Parts List
- 37-62—Schematic, Parts List ..... 817-VII
- 37-62—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations ..... 818-VII
- 37-84 Code 122—Schematic, Parts List ..... 241-VII
- 37-84 Code 122—Alignment, Operating Voltages, Trimmer Locations ..... 242-VII
- 37-89—Schematic, Parts List ..... 691-VI
- 37-93—Schematic, Parts List ..... 1617-VII
- 37-116 Codes 121 & 122 Schematic ..... 531-VII
- 37-116 Codes 121 & 122 Alignment ..... 532-VII
- 37-116 Codes 121 & 122 Operating Voltages, Parts List ..... 534-VII
- 37-116 Codes 121 & 122 Trimmer Locations, Coil Connections, Service Data ..... 533-VII
- 37-600—Schematic, Chassis Layout ..... 692-VI
- 37-602—Schematic, Parts List ..... 693-VI
- 37-604—Schematic ..... 694-VI
- 37-610—Schematic ..... 695-VI
- 37-610—Alignment, Trimmers ..... 696-VI
- 37-611—Schematic, Parts List ..... 410-VII
- 37-611—Alignment, Operating Voltages, Trimmer Locations ..... 411-VII
- 37-620—Schematic ..... 697-VI
- 37-620—Alignment, Trimmers ..... 698-VI
- 37-623—Schematic, Parts List ..... 412-VII
- 37-623—Alignment, Operating Voltages, Trimmer Locations ..... 413-VII
- 37-624—Schematic, Parts List ..... 947-VII
- 37-624—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations ..... 948-VII
- 37-630—Schematic ..... 414-VII
- 37-630—Alignment, Trimmer Locations ..... 415-VII
- 37-630—Operating Voltages, Under Chassis Layout, Parts List ..... 416-VII
- 37-640—Schematic ..... 699-VI
- 37-640—Alignment, Trimmers ..... 700-VI
- 37-641 (Code 121) Schematic, Parts List ..... 1097-VII
- 37-641 (Code 121) Alignment, Operating Voltages, Trimmer Locations ..... 1098-VII
- 37-643—Schematic ..... 1394-VII
- 37-643—Operating Voltages, Under Chassis Layout, Parts List ..... 1395-VII
- 37-643—Alignment, Trimmer Locations, Service Data ..... 1396-VII
- 37-650—Schematic ..... 949-VII
- 37-650—Alignment, Operating Voltages, Service Data ..... 952-VII
- 37-650—Alignment, Trimmer Locations ..... 951-VII
- 37-650—Under Chassis Layout, Parts List ..... 950-VII
- 37-660—Schematic, Coil Connections ..... 685-VII
- 37-660—Alignment, Trimmer Locations ..... 686-VII
- 37-660—Operating Voltages, Service Data, Speaker Connections ..... 687-VII
- 37-660—Parts List ..... 688-VII
- 37-665—Schematic ..... 1099-VII
- 37-665—Alignment, Trimmer Locations ..... 1102-VII
- 37-665—Operating Voltages, Service Data ..... 1101-VII
- 37-665—Under Chassis Layout, Parts List ..... 1100-VII
- 37-670—Schematic ..... 1241-VII
- 37-670—Alignment, Trimmer Locations ..... 1244-VII
- 37-670—Under Chassis Layout, Trimmer Locations, Parts List ..... 1242-VII
- 37-670—Operating Voltages, Service Data, Speaker Connections ..... 1243-VII
- 37-675—Codes 121-122—Schematic ..... 82-VII
- 37-675—Codes 121-122—Schematic (Continued) ..... 83-VII
- 37-675—Codes 121-122—Alignment, Trimmer Locations ..... 81-VII
- 37-675—Codes 121-122—Operating Voltages, Parts List ..... 84-VII
- 37-690—Schematic ..... 1618-VII
- 37-2620—Schematic, Parts List ..... 1245-VII
- 37-2620—Alignment, Operating Voltages, Under Chassis Layout, Trimmer Locations ..... 1246-VII
- 37-2650—Schematic ..... 1619-VII
- 37-2670—Schematic ..... 1620-VII
- 38 (Code 123) Battery Set, Schematic ..... 686-VI
- 38 ..... 575-V
- 38A ..... 575-V
- 38-1 (Code 121)—Schematic ..... 1622-VII
- 38-2 (Code 121)—Schematic ..... 1623-VII
- 38-3 (Code 121)—Schematic ..... 1624-VII
- 38-4 (Code 121)—Schematic ..... 1625-VII
- 38-5 (Code 121)—Schematic ..... 1625-VII
- 38-7 (Code 121)—Schematic ..... 1626-VII
- 38-8 (Code 121)—Schematic ..... 1626-VII
- 38-9 (Code 121)—Schematic ..... 1626-VII
- 38-10 (Code 121)—Schematic ..... 1624-VII
- 38-12 (Code 121)—Schematic ..... 1627-VII
- 38-14 (Code 121 & 124)—Schematic ..... 1627-VII
- 38-38 (Code 121)—Schematic, Parts List ..... 1628-VII
- 38-39 (Code 121)—Schematic, Parts List ..... 1629-VII
- 38-60 (Code 125)—Schematic, Parts List ..... 1630-VII
- 38-89 (Code 125)—Schematic, Parts List ..... 1631-VII
- 38-116 (Code 121)—Schematic ..... 1632-VII
- 39—Battery Set—Schematic, Socket Voltages ..... 701-VI
- 39A (Same as 39) ..... 701-VI
- 40 ..... 222-I
- 41 DC ..... 222-I
- 42 DC ..... 222-I
- 43 ..... 175-IV, 176-IV, 177-IV, 178-IV
- 43-121 ..... 175-IV, 176-IV, 177-IV, 178-IV
- 44 ..... 576-V
- 45 ..... 577-V
- 46 ..... 226G-Is
- 46E ..... 226G-Is
- 47 ..... 232D-II, 571-III
- 48 ..... 179-IV, 180-IV, 181-IV, 182-IV, 183-IV
- 49 ..... 578-V
- 50 ..... 306-II
- 50A ..... 306-II
- 51 ..... 310B-IIIs, 310C-IIIs
- 51A ..... 310B-IIIs, 310C-IIIs
- 52 ..... 310B-IIIs, 310C-IIIs
- 52A (Same as 52) ..... 310B-IIIs, 310C-IIIs
- 53 ..... 214D-II, 184-IV, 185-IV
- 53 ..... 184-IV, 185-IV
- 54 ..... 579-V
- 57 ..... 580-V
- 59 ..... 581-V
- 60 ..... 582-V
- 62 (Same as 65) ..... 223-I, 226B-Is, 308-III
- 65 ..... 223-I, 226B-Is, 308-III
- 66 ..... 583-V
- 70 ..... 326A-IIIs, 326B-IIIs, 226K-Is, 332-IIIs
- 70 (With A. V. C.), Schematic, Socket Voltages, Parts List ..... 702-VI
- 70A ..... 326A-IIIs, 326B-IIIs, 226K-IIIs
- 70A (With A. V. C.) Schematic, Socket Voltages, Parts List ..... 702-VI
- 71 ..... 573-III, 187-IV, 188-IV
- 76 ..... 221-I, 318-III, 345-III
- 76A ..... 223-I, 318-III, 345-III
- 77 ..... 224-I, 317-III, 345-III
- 77A ..... 224-I
- 80 ..... 308D-IIIs, 308E-IIIs, 308F-IIIs, 188-IV, 189-IV, 190-IV, 191-IV
- 81 ..... 224-I
- 82 ..... 584-V
- 84 ..... 224-I
- 86 ..... 224-I
- 87 ..... 225-I, 295-II, 305-III, 308-III
- 89—Schematic ..... 686-VI
- 89 (Code 123), Schematic, Socket Voltages ..... 703-VI
- 90 ..... 326C-IIIs, 326D-IIIs, 226L-Is, 333-III
- 90A ..... 226L-Is
- 91 ..... 310L-IIIs, 310M-IIIs, 310N-IIIs, 187-IV
- 91A ..... 187-IV
- 91X ..... 310L-IIIs, 310M-IIIs, 310N-IIIs, 187-IV
- 92 ..... 226C-I
- 95 ..... 226S-Is, 227-I, 345-III
- 95E ..... 226C-Is
- 96 ..... 226-I, 226C-Is, 318-III, 345-III
- 96A ..... 226-I, 226C-Is
- 96E ..... 226C-Is
- 96X ..... 226-I, 226C-Is, 318-III, 345-III
- 97—Schematic, Socket Voltages ..... 704-VI
- 111 ..... 226D-Is, 226H-Is, 318-III, 333-III, 445-III
- 111A ..... 226D-Is, 226H-Is
- 112 ..... 226I-Is, 332-III
- 112A ..... 226I-Is
- 112X ..... 331-III
- 116-B (Code 121), Schematic ..... 705-VI
- 116-X (Code 122), Schematic ..... 706-VI
- 118 ..... 585-V
- 128 ..... 585-V
- 144 ..... 586-V
- 200—Schematic, Operating Voltages, Parts List ..... 1389-VII
- 201—Schematic, Parts List ..... 707-VI
- 211 ..... 226F-Is
- 211A ..... 226F-Is
- 212 ..... 226J-Is
- 212A ..... 226J-Is
- 220 ..... 226E-Is
- 220A ..... 226E-Is
- 270 ..... 226J-Is
- 270A ..... 226J-Is
- 296 ..... 226-I, 226C-Is
- 296A ..... 226-I, 226C-Is
- 296E ..... 226C-Is
- 370 (Same as 70) ..... 326A-IIIs, 326B-IIIs, 226K-Is, 702-VI
- 470 ..... 310D-IIIs, 310E-IIIs
- 470A ..... 310D-IIIs, 310E-IIIs
- 490 ..... 310F-IIIs, 310G-IIIs
- 500 ..... 587-V
- 501 ..... 588-V
- 503 ..... 589-V
- 504 ..... 590-V
- 505 ..... 591-V
- 506 ..... 592-V
- 507 ..... 593-V
- 509 (Same as 201) ..... 707-VI
- 511 ..... 227-I
- 512 ..... 227-I
- 513 ..... 227-I
- 514 ..... 227-I
- 515 ..... 227-I
- 521 ..... 227-I
- 531 ..... 227-I
- 551 ..... 227-I
- 570 (Same as 70) ..... 326A-IIIs, 326B-IIIs, 226K-Is, 702-VI
- 571 ..... 227-I
- 600—Schematic, Parts List, Under Chassis Layout, Socket Voltages ..... 708-VI
- 602—Schematic, Parts List, Under Chassis Layout, Socket Voltages ..... 709-VI
- 604—Schematic ..... 1390-VII
- 604—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1392-VII
- 604—Operating Voltages, Service Data, Parts List ..... 1391-VII
- 610 (Early Production), Schematic, Socket Voltages ..... 710-VI
- 610 (Later Production), Schematic ..... 711-VI
- 611—Schematic, Socket Voltages ..... 712-VI
- 620 (Early Production), Schematic, Socket Voltages ..... 713-VI
- 620 (Later Production), Schematic, Socket Voltages ..... 714-VI
- 623—Battery Set, Schematic, Socket Voltages ..... 715-VI
- 624 (Battery Set), Schematic, Socket Voltages ..... 716-VI
- 625—Schematic, Socket Voltages ..... 717-VI
- 630 (Early Production), Schematic ..... 718-VI
- 630 (Later Production), Schematic ..... 719-VI
- 635—Schematic, Socket Voltages ..... 720-VI
- 640—Schematic ..... 721-VI
- 641—Schematic, Socket Voltages ..... 722-VI
- 642 (32-Volt Set), Schematic, Socket Voltages ..... 723-VI
- 643—Battery Set, Schematic, Socket Voltages ..... 724-VI
- 645—Schematic, Socket Voltages ..... 725-VI
- 650—Schematic ..... 726-VI
- 651—Schematic, Socket Voltages ..... 727-VI
- 655—Schematic, Socket Voltages ..... 728-VI

# INDEX

(Page 35)

**PHILCO RADIO (Cont'd)**

660—Schematic, Socket Voltages .....729-VI  
 665—Schematic, Socket Voltages .....730-VI  
 680—Schematic .....731-VI  
 680—Alignment, Chassis Layout .....732-VI  
 700 .....733-VI  
 800—Code 122 "Auto Radio" Schematic, Under Chassis Layout, Parts List.....1393-VII

**PHILCO-TRANSITONE**

**AUTOMOBILE RADIO CORP.**

Chrysler, CT-2 (Codes C6, CZ) Schematic, Under Chassis Layout, Parts List.....581-VII  
 Chrysler Airflow, CT-5 (Codes C1, C2, C3) Schematic, Under Chassis Layout, Parts List.....582-VII  
 Chrysler, CT-11—Schematic, Under Chassis Layout, Parts List .....583-VII  
 Chrysler, CT-11—Alignment, Chassis Layout .....584-VII  
 Chrysler, 6 Code CA & CB .....602-V  
 Chrysler, Code CU & CV .....602-V  
 DeSoto, Code SE .....603-V  
 DeSoto, CT-2 (Code SF) Schematic, Under Chassis Layout, Parts List.....581-VII  
 DeSoto Airflow, CT-5 (Code SG) Schematic, Under Chassis Layout, Parts List .....582-VII  
 Dodge, Code DR & DS.....602-V  
 Ford, F1440—Schematic, Under Chassis Layout, Parts List .....1281-VII  
 Ford, F1440—Alignment, Chassis Layout, Trimmer Locations .....1283-VII  
 Ford, FT-6—Schematic, Under Chassis Layout, Parts List .....858-VII  
 Ford, FT-6—Alignment, Chassis Layout, Trimmer Locations .....859-VII  
 Ford, FT9—Schematic, Under Chassis Layout, Parts List .....1282-VII  
 Ford, FT9—Alignment, Chassis Layout, Trimmer Locations .....1283-VII  
 Graham-Paige 86, G1436 Schematic, Under Chassis Layout, Parts List.....1138-VII  
 Graham-Paige 86, G1436 Alignment, Chassis Layout, Trimmer Locations .....1139-VII  
 Graham-Paige 87, G1436 Schematic, Under Chassis Layout, Parts List.....1138-VII  
 Graham-Paige 87, G1436 Alignment, Chassis Layout, Trimmer Locations .....1139-VII  
 Graham-Paige 88, G1436 Schematic, Under Chassis Layout, Parts List.....1138-VII  
 Graham-Paige 88, G1436 Alignment, Chassis Layout, Trimmer Locations .....1139-VII  
 Graham-Paige 89, G1436 Schematic, Under Chassis Layout, Parts List.....1138-VII  
 Graham-Paige 89, G1436 Alignment, Chassis Layout, Trimmer Locations .....1139-VII

Graham-Paige 91, G1418 Schematic, Under Chassis Layout, Parts List.....1137-VII  
 Graham-Paige 91, G1418 Alignment, Chassis Layout, Trimmer Locations .....1139-VII  
 Hupmobile G .....603-V  
 Hupmobile H .....604-V  
 Hupmobile R .....607-V  
 Lafayette 3710, N1418 Schematic, Under Chassis Layout, Parts List.....1140-VII  
 Lafayette 3710, N1418 Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 Lafayette 3710, N1433H Schematic, Under Chassis Layout, Parts List.....1141-VII  
 Lafayette 3710, N1433H Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 Lincoln, LT14X3—Schematic, Under Chassis Layout, Parts List .....857-VII  
 Lincoln, LT14X3—Alignment, Chassis Layout, Trimmer Locations .....859-VII  
 L-1427—Schematic, Parts List .....1709-VII  
 L-1429—Schematic, Parts List .....1709-VII  
 L-1460—Schematic, Parts List .....1709-VII  
 Nash, 110 Series .....607-V  
 Nash, 1189 AC .....607-V  
 Nash, 1200 Series .....607-V  
 Nash, 1289 .....607-V  
 Nash, AC 989 .....593-V  
 Nash, AC 989 Code 122.....600-V  
 Nash 3720, N1418 Schematic, Under Chassis Layout, Parts List.....1140-VII  
 Nash 3720, N1418 Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 Nash 3720, N1433H Schematic, Under Chassis Layout, Parts List.....1141-VII  
 Nash 3720, N1433H Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 Nash 3780, N1418 Schematic, Under Chassis Layout, Parts List.....1140-VII  
 Nash 3780, N1418 Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 Nash 3780, N1433H Schematic, Under Chassis Layout, Parts List.....1141-VII  
 Nash 3780, N1433H Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 Nash 3780, N1433H Schematic, Under Chassis Layout, Parts List.....1141-VII  
 Nash 3780, N1433H Alignment, Chassis Layout, Trimmer Locations .....1142-VII  
 P1417—Packard 115C-120C Schematic, Under Chassis Layout, Parts List.....1429-VII  
 P1417—Packard 115C-120C Alignment, Chassis Layout, Trimmer Locations .....1431-VII  
 Packard de Luxe PA .....605-V  
 Packard, Standard PB.....606-V  
 Packard P1421—Schematic, Under Chassis Layout, Parts List .....995-VII  
 Packard P1421—Alignment, Chassis Layout, Trimmer Locations .....997-VII  
 P1422—Schematic, Parts List .....1710-VII  
 P1430—Packard 115C-120C Schematic, Under Chassis Layout, Parts List.....1430-VII

P1430—Packard 115C-120C Alignment, Chassis Layout, Trimmer Locations .....1431-VII  
 P1432—Packard 115C-120C Schematic, Under Chassis, Parts List .....1432-VII  
 Packard DeLuxe PHXD—Schematic, Under Chassis Layout, Parts List .....996-VII  
 Packard DeLuxe PHXD—Alignment, Chassis Layout, Trimmer Locations .....997-VII  
 Pierce Arrow .....598-V  
 Pierce Arrow, MT-3—Schematic, Under Chassis Layout, Parts List .....860-VII  
 Plymouth, Code PE & PF .....602-V  
 Plymouth, CT-2 (Code PJ) Schematic, Under Chassis Layout, Parts List.....581-VII  
 Studebaker de Luxe.....598-V  
 Studebaker de Luxe, Code 122 .....599-V  
 Studebaker, Jr. (236).....607-V  
**Philo Speaker**  
 Data .....608, 609, 610, 611-V  
 Studebaker, S1413—Schematic, Under Chassis Layout, Parts List .....1284-VII  
 Studebaker, S1431—Alignment, Chassis Layout, Trimmer Locations.....1286-VII  
 Studebaker, S1437—Schematic, Under Chassis Layout, Parts List.....1285-VII  
 Studebaker, S1437—Alignment, Chassis Layout, Trimmer Locations.....1286-VII  
 Studebaker ST12—Schematic, Under Chassis Layout, Parts List .....998-VII  
 Studebaker ST12—Alignment, Chassis Layout, Trimmer Locations .....1000-VII  
 Studebaker ST15—Schematic, Under Chassis Layout, Parts List .....999-VII  
 Studebaker ST15—Alignment, Chassis Layout, Trimmer Locations .....1000-VII

**Power Units:**

AB-423 .....226A-Is  
 AB-463 .....226A-Is  
 AB-623 .....226A-Is  
 AB-663 .....266A-Is  
 AC 206 (Studebaker de Luxe) .....598-V  
 AC 206 Code 122 .....599-V  
 AC 236 .....607-V  
 AC 989 (Nash) .....598-V  
 B-6 .....168-IV  
 B-253 .....266A-Is  
 B-603 .....266A-Is  
 Battery Life Chart 308  
 By-Pass Condenser Data  
 Chassis Data .....326E-IIIs  
 DAB .....226A-Is  
 DB .....226A-Is  
 DP Code 121 & 122.....601-V  
 EG .....167-IV  
 G .....602-V  
 G Code 122 .....603-V  
 NR-109 .....75-I  
 Oscillator Calibration  
 PA (Packard) .....606-V  
 Resistor Data .....76-O-IIIs  
 TR-106 .....75-I  
 3 .....307-II

5 .....165-IV, 166-IV, 167-IV  
 6 .....168-IV  
 6F .....168-IV  
 7 .....168-IV  
 8 .....169-IV  
 9 .....169-IV  
 9F (Same as 9) .....169-IV  
 10 .....594-V  
 11 .....595-V  
 11-R (Same as 11) .....596-V  
 12 .....169-IV  
 180 Volt "B" .....226A-Is  
 700 .....596-V  
 800 .....597-V  
 802—Schematic, Parts List, Under Chassis Layout .....734-VI  
 805—Schematic, Parts List, Under Chassis Layout .....735-VI  
 806—Schematic, Parts List, Under Chassis Layout .....736-VI  
 808—Schematic, Alignment, Chassis Layout .....737-VI  
 809—Schematic, Chassis Layout, Alignment, Parts List .....738-VI  
 816—Schematic, Alignment, Under Chassis Layout .....739-VI  
 817—Schematic, Parts List, Under Chassis Layout .....740-VI  
 818—Schematic, Parts List, Under Chassis Layout .....741-VI  
 818K—Schematic, Parts List, Under Chassis Layout .....742-VI  
 819—Schematic, Parts List, Under Chassis Layout .....743-VI  
 819H—Schematic, Parts List, Under Chassis Layout .....743-VI  
 827—Schematic, Under Chassis Layout, Parts List.....1711-VII  
 827K—Schematic, Under Chassis Layout, Parts List .....1712-VII  
 828—Schematic, Under Chassis Layout, Parts List.....1713-VII  
 828K—Schematic, Under Chassis Layout, Parts List .....1714-VII

**PIERCE AIRO, Inc.**

**Also see DeWald Radio**

AC LW-15-6 .....632-V  
 BAC .....633-V  
 BAG .....634-V  
 BAH .....635-V  
 BAH-9 .....636-V  
 BLG .....637-V  
 CAB .....313-II  
 KAD .....639-V  
 KAF .....640-V  
 14-45 .....311-II  
 24-45 .....352-I  
 40 .....612-V  
 41 .....613-V  
 50 .....614-V  
 51 .....615-V  
 52 .....616-V  
 53 .....617-V  
 54 .....618-V  
 55 .....619-V  
 56 .....620-V  
 58 .....621-V  
 60 .....622-V  
 61 .....623-V  
 61R .....623-V  
 245AC .....628-V  
 273DC .....313-II

# INDEX

(Page 36)

**PIERCE AIRO, Inc. (Cont'd)**

400—Schematic, Parts List  
1247-VII

401—Schematic ..... 953-VII

403—Schematic ..... 744-VI

404—Schematic ..... 744-VI

405—Schematic, Parts List  
1247-VII

447M ..... 313-II

500A ..... 624-V

505 Revised—Schematic,  
Alignment, Chassis Lay-  
out, Parts List ..... 77-VII

506R—Schematic ..... 744-VI

510—Schematic ..... 78-VII

515—Schematic ..... 745-VI

517—Schematic ..... 746-VI

518—Schematic ..... 747-VI

520—Schematic ..... 747-VI

523SW—Schematic, Align-  
ment ..... 247-VII

524 ..... 355-I

525—Schematic, Alignment  
List ..... 249-VII

527 Auto Set—Schematic,  
Alignment, Chassis Lay-  
out, Parts List ..... 248-VII

529—Schematic ..... 535-VII

529LW—Schematic ..... 535-VII

532-3—DC ..... 638-V

534-5 ..... 312-II

535-6—AC ..... 629-V

547 ..... 314-II

547A ..... 314-II

553-4 ..... 625-V

605—Schematic ..... 748-VI

609—Schematic ..... 748-VI

610—Schematic, Parts List,  
Alignment ..... 749-VI

610LW—Schematic, Parts List,  
Alignment ..... 749-VI

611—Schematic, Chassis  
Layout ..... 750-VI

611W—Schematic, Chassis  
Layout ..... 750-VI

612—Schematic ..... 746-VI

612LW—Schematic ..... 746-VI

615—Schematic ..... 746-VI

616LW—Schematic ..... 746-VI

617—Schematic ..... 745-VI

617—Schematic ..... 751-VI

618—Schematic, Alignment  
List ..... 752-VI

619—Schematic ..... 752-VI

622—Schematic ..... 535-VII

624AC ..... 630-V

626—Schematic ..... 536-VII

629—Schematic ..... 536-VII

629LW—Schematic ..... 536-VII

632DC ..... 358C-Is

633-S—Schematic, Align-  
ment, Parts List ..... 1247-VII

635—Schematic, Alignment  
List ..... 819-VII

635LW—Schematic,  
Alignment ..... 819-VII

637-8 ..... 319-II

640 ..... 626-V

646-7 ..... 315-II

646-7AC-MEX ..... 631-V

700—Schematic, Alignment  
List ..... 820-VII

700A—Schematic, Alignment  
List ..... 821-VII

700A-LW—Schematic,  
Alignment ..... 821-VII

700LW—Schematic, Align-  
ment ..... 820-VII

702 Auto Radio—Schematic,  
Alignment, Chassis  
Layout ..... 822-VII

703—Schematic ..... 536-VII

703LW—Schematic ..... 536-VII

724 ..... 316-II

724-1 ..... 627-V

727DC ..... 317-II

734-5 ..... 318-II

746-7 ..... 320-II

804—Schematic, Socket  
Voltages ..... 735-VI

804—Alignment ..... 754-VI

805—Schematic, Socket  
Voltages ..... 753-VI

805—Alignment ..... 754-VI

901—Schematic, Alignment  
List ..... 945-VII

901—Chassis Layout, Trim-  
mer Locations ..... 955-VII

902—Schematic, Alignment  
List ..... 954-VII

902—Chassis Layout, Trim-  
mer Locations ..... 955-VII

1100—Schematic ..... 1248-VII

1102—Schematic, Align-  
ment, Chassis Layout,  
Trimmer Locations ..... 956-VII

1103—Schematic, Align-  
ment, Chassis Layout,  
Trimmer Locations ..... 956-VII

1200—Schematic, Align-  
ment ..... 953-VII

4405—Schematic ..... 78-VII

**PILGRIM ELECTRIC CORPORATION**

D (Serial No. 428,001 Up)  
Schematic ..... 538-VII

DA (Serial No. 460,001 Up)  
Schematic ..... 1249-VII

DAE (Serial No. 460,001 Up)  
Schematic ..... 1249-VII

DE—Schematic ..... 538-VII

G (Serial No. 707,001 Up)  
Schematic ..... 1249-VII

GB (Serial No. 780,001 Up)  
Schematic ..... 1250-VII

GBE (Serial No. 780,001 Up)  
Schematic ..... 1250-VII

GE (Serial No. 707,001 Up)  
Schematic ..... 1249-VII

GF (Serial No. 780,001 Up)  
Schematic ..... 1250-VII

GFE (Serial No. 780,001 Up)  
Schematic ..... 1250-VII

GH (Serial No. 707,001 Up)  
Schematic ..... 537-VII

GHE—Schematic ..... 537-VII

NT-I (Serial No. 200,001 Up)  
Schematic ..... 1250-VII

NTHE (Serial No. 200,001  
Up)—Schematic ..... 1250-VII

RJ (Serial No. 300,001 Up)  
Schematic ..... 537-VII

RJE—Schematic ..... 537-VII

210 AC-DC—Schematic  
List ..... 538-VII

**PILOT RADIO CORPORATION**

G-44—Schematic, Parts List  
List ..... 1633-VII

G-45—Schematic, Parts List  
List ..... 1633-VII

G-162A—Schematic, Parts List  
List ..... 1634-VII

G-126B—Schematic, Parts List  
List ..... 1634-VII

G-163A—Schematic, Parts List  
List ..... 1634-VII

G-163B—Schematic, Parts List  
List ..... 1634-VII

G-184—Schematic, Parts List  
List ..... 1635-VII

G-185—Schematic, Parts List  
List ..... 1635-VII

G-528—Schematic ..... 1636-VII

G-529—Schematic ..... 1636-VII

G-576—Schematic ..... 1637-VII

G-577—Schematic ..... 1637-VII

G-584—Schematic, Parts List  
List ..... 1638-VII

G-585—Schematic, Parts List  
List ..... 1638-VII

G-752—Schematic ..... 1639-VII

G-753—Schematic ..... 1639-VII

M-2203—Schematic, Align-  
ment, Parts List ..... 417-VII

M-2205—Schematic, Align-  
ment, Parts List ..... 417-VII

S-295—Schematic ..... 1640-VII

S-393—Schematic ..... 1641-VII

S-623—Schematic ..... 1642-VII

S-623J—Schematic ..... 1642-VII

TP-420 Series (Same as 420  
Series) Schematic, Parts  
List ..... 823-VII

TP-420 Series (Same as 420  
Series) Alignment ..... 824-VII

TP-423 (Same as 420  
Series) Schematic, Parts  
List ..... 823-VII

TP-423 (Same as 420  
Series) Alignment ..... 824-VII

TP-425 (Same as 420  
Series) Schematic, Parts  
List ..... 823-VII

TP-425 (Same as 420  
Series) Alignment ..... 824-VII

X-41—Schematic, Chassis  
Layout, Trimmer Loca-  
tions, Parts List ..... 1103-VII

X-41—Alignment, Operating  
Voltages ..... 1104-VII

X-48—Schematic, Alignment,  
Operating Voltages, Parts  
List ..... 418-VII

X-49—Schematic, Alignment,  
Operating Voltages, Parts  
List ..... 418-VII

X-63—Schematic, Parts List,  
Chassis Layout ..... 759-VI

X-63—Alignment, Socket  
Voltages ..... 760-VI

X-65—Schematic, Parts List,  
Chassis Layout ..... 759-VI

X-65—Alignment, Socket  
Voltages ..... 760-VI

X-68—Schematic, Parts List,  
List ..... 762-VI

X-69—Schematic, Parts List,  
List ..... 762-VI

X-73—Schematic, Chassis  
Layout ..... 764-VI

X-73—Parts List, Socket  
Voltage ..... 765-VI

X-75—Schematic, Chassis  
Layout ..... 764-VI

X-75—Parts List, Socket  
Voltage ..... 765-VI

X114—Schematic, Socket  
Voltages, Parts List ..... 773-VI

X-114—Alignment, Chassis  
Layout ..... 744-VI

X-115—Schematic, Socket  
Voltage, Parts List ..... 773-VI

X-115—Alignment, Chassis  
Layout ..... 774-VI

X-304—Schematic ..... 1643-VII

X305—Schematic ..... 1643-VII

X-2253—Schematic ..... 1644-VII

X-2255—Schematic ..... 1644-VII

7 ..... 641-V

8 ..... 641-V

23—Schematic, Parts List  
List ..... 419-VII

23P—Schematic, Parts List  
List ..... 419-VII

25—Schematic, Parts List  
List ..... 419-VII

25P—Schematic, Parts List  
List ..... 419-VII

30 Series (Same as 403)  
Schematic ..... 539-VII

30 Series (Same as 403)  
Alignment, Operating Volt-  
ages ..... 540-VII

33 (Same as 403)  
Schematic ..... 539-VII

33 (Same as 403)  
Alignment, Operating Volt-  
ages ..... 540-VII

35 (Same as 405)  
Schematic ..... 539-VII

35 (Same as 405)  
Alignment, Operating Volt-  
ages ..... 540-VII

41—Schematic, Under Chassis  
Layout, Parts List ..... 755-VI

43—Schematic, Alignment,  
Socket Voltages ..... 756-VI

53 ..... 642-V

55 ..... 642-V

63—Schematic, Socket  
Voltages ..... 757-VI

63—Alignment, Chassis  
Layout ..... 758-VI

65—Schematic, Socket  
Voltages ..... 757-VI

65—Alignment, Chassis  
Layout ..... 758-VI

68—Schematic, Socket  
Voltages, Chassis Layout  
List ..... 761-VI

69—Schematic, Socket  
Voltages, Chassis Layout  
List ..... 761-VI

73—Schematic, Socket  
Voltages, Chassis Layout,  
Parts List ..... 763-VI

75—Schematic, Socket  
Voltages, Chassis Layout,  
Parts List ..... 763-VI

81 ..... 641-V

84 ..... 641-V

92—Schematic ..... 766-VI

93—Schematic ..... 766-VI

103—Schematic, Socket  
Voltages, Parts List ..... 767-VI

103—Alignment, Chassis  
Layout ..... 768-VI

105—Alignment, Chassis  
Layout ..... 768-VI

108—Schematic, Parts List,  
Socket Voltages ..... 769-VI

108—Alignment, Chassis  
Layout ..... 770-VI

109—Schematic, Parts List,  
Socket Voltage ..... 769-VI

109—Alignment, Chassis  
Layout ..... 770-VI

114—Schematic, Socket  
Voltages, Parts List ..... 771-VI

114—Alignment, Chassis  
Layout ..... 772-VI

115—Schematic, Socket  
Voltages, Parts List ..... 771-VI

115—Alignment, Chassis  
Layout ..... 772-VI

123—Schematic, Socket  
Voltages, Chassis Layout  
List ..... 775-VI

153—Schematic, Chassis  
Layout ..... 776-VI

155—Schematic, Chassis  
Layout ..... 776-VI

183—Schematic, Socket  
Voltages, Chassis Layout  
List ..... 777-VI

185—Schematic, Socket  
Voltages, Chassis Layout  
List ..... 777-VI

190 Series (Same as 193)  
Schematic, Chassis Layout,  
Trimmer Locations ..... 79-VII

190 Series (Same as 193)  
Alignment, Operating  
Voltages ..... 80-VII

193—Schematic, Chassis  
Layout, Trimmer Loca-  
tions ..... 79-VII

193—Alignment, Operating  
Voltages ..... 80-VII

195—Schematic, Chassis  
Layout, Trimmer Loca-  
tions ..... 79-VII

195—Alignment, Operating  
Voltages ..... 80-VII

203—Schematic, Parts List,  
Chassis Layout, Socket  
Voltages ..... 778-VI

205—Schematic, Parts List,  
Chassis Layout, Socket  
Voltage ..... 778-VI

213—Schematic, Parts List,  
Chassis Layout ..... 779-VI

213—Alignment, Socket  
Voltages ..... 780-VI

# INDEX

(Page 37)

**PILOT RADIO CORP. (Cont'd)**

215—Parts List, Schematic, Chassis Layout ..... 779-VI  
 215—Alignment, Socket Voltages ..... 780-VI  
 253—Schematic, Chassis Layout ..... 781-VI  
 253—Parts List, Socket Voltages ..... 782-VI  
 255—Schematic, Chassis Layout ..... 781-VI  
 255—Parts List, Socket Voltages ..... 782-VI  
 294—Schematic, Parts List ..... 420-VII  
 304—Schematic, Parts List ..... 249-VII  
 304—Alignment, Operating Voltages ..... 250-VII  
 305—Schematic, Parts ..... 305—Alignment, Operating Voltages ..... 250-VII  
 364—Schematic, Parts List ..... 783-VI  
 364—Alignment, Socket Voltages, Chassis Layout ..... 784-VI  
 365—Schematic, Parts List ..... 783-VI  
 365—Alignment, Socket Voltage, Chassis Layout ..... 784-VI  
 393—Schematic, Parts List ..... 689-VII  
 393—Alignment ..... 690-VII  
 395—Schematic, Parts List ..... 689-VII  
 395—Alignment ..... 690-VII  
 400 Series (Same as 403) Schematic ..... 539-VII  
 400 Series (Same as 403) Alignment, Operating Voltages ..... 540-VII  
 403—Schematic ..... 539-VII  
 403—Alignment, Operating Voltages ..... 540-VII  
 405—Schematic ..... 539-VII  
 405—Alignment, Operating Voltages ..... 540-VII  
 420 Series—Schematic, Parts List ..... 823-VII  
 420 Series—Alignment ..... 824-VII  
 423—Schematic, Parts List ..... 823-VII  
 423—Alignment ..... 824-VII  
 425—Schematic, Parts List ..... 823-VII  
 425—Alignment ..... 824-VII  
 620 Series—Schematic, Parts List ..... 825-VII  
 620 Series—Alignment ..... 826-VII  
 623—Schematic, Parts List ..... 825-VII  
 623—Alignment ..... 826-VII  
 625—Schematic, Parts List ..... 825-VII  
 625—Alignment ..... 826-VII  
 2250 Series—Schematic, Parts List ..... 957-VII  
 2250 Series—Alignment ..... 958-VII  
 2253—Schematic, Parts List ..... 957-VII  
 2253—Alignment ..... 958-VII  
 2255—Schematic, Parts List ..... 957-VII  
 2255—Alignment ..... 958-VII

**PILOT RADIO & TUBE CORP.**

A. C. Dragon ..... 575-III  
 Automobile Receiver ..... 229-I  
 Grimes DC New Yorker ..... 229-I  
 Pilotone 6 ..... 228-I  
 Pre-Selector ..... 358J-Is  
 C-151 ..... 230B-Is  
 C-152 ..... 580-III  
 C-153 ..... 230A-Is  
 C-154 ..... 230A-Is

C-157 ..... 230D-Is  
 C-157A ..... 230D-Is  
 C-157B ..... 230D-Is  
 C-157F ..... 230D-Is  
 C-158 ..... 230D-Is  
 C-162 ..... 230B-Is  
 C-163 ..... 580-III  
 K-106 ..... 230-I  
 K-108 ..... 230-I  
 K-110 Super Wasp ..... 228-I  
 K-113 ..... 228-I  
 K-115 AC Super Wasp ..... 73-I  
 K-139 ..... 230E-Is  
 PE-6 ..... 228-I  
 S-141 Universal ..... 230E-Is  
 S-148 ..... 230B-I  
 S-149 ..... 580-III  
 S-155 ..... 230D-Is  
 S-155A ..... 230D-Is  
 S-155B ..... 230D-Is  
 S-155F ..... 230D-I  
 S-156 ..... 230D-Is  
 S-164 ..... 230B-Is  
 S-165 ..... 580-III  
 SG-8 ..... 229-I  
 SG-105 ..... 230-I  
 SW Converter ..... 321-II, 230C-Is  
 W-145 P. A. Amplifier ..... 230C-Is  
 V-191 Converter ..... 580-III  
 5 Tube TRF Midget ..... 321-II  
 5 Tube BC & Long Wave Midget ..... 230E-Is  
 6 Tube Midget ..... 354-I  
 7 Tube D. C. ..... 580-III  
 7 Tube Super, 110v. DC ..... 323-II  
 7 Tube Super, 220v. DC ..... 322-II  
 10 AC ..... 644-V  
 11 Dragon DC ..... 194-IV  
 11-A DC ..... 194-IV  
 11-R DC ..... 194-IV  
 35 ..... 195-IV  
 39 ..... 195-IV  
 41 ..... 196-IV

**PRIESS RADIO CO.**

Nine-in-Line ..... 375-I

## R

**RADIOBAR CO. OF AMERICA**

106 ..... 645-V  
 210 ..... 648-V  
 210B ..... 649-V  
 210C ..... 649-V  
 506 ..... 645-V  
 508 (1934) ..... 647-V  
 508 (1935) ..... 646-V  
 510 (1934) ..... 648-V  
 510 (1935) ..... 648-V  
 526 ..... 645-V  
 528 (1934) ..... 649-V  
 528 (1935) ..... 646-V

**RADIO CHASSIS, Inc.**

Auto Set ..... 650-V

**RADIO PRODUCTS CO.**

L Tube Checker ..... 433-II  
 880 ..... 443-II

**RADIO RECEPTOR, Inc.**

AR-3 ..... 363-II  
 C Announcer ..... 352-II

CAM-3 ..... 352-II  
 H-1 ..... 358-II  
 MM3-PMX3 ..... 361-II  
 P-50-W ..... 359-II  
 PMA-1 ..... 357-II  
 PMA-1 AX-1 Panel ..... 359-II  
 PMA-1 AX-2 Panel ..... 358-II  
 PM-2 ..... 354-II  
 PSA-2 ..... 362-II  
 PWA-1 ..... 356-II  
 PX-245 ..... 360-II  
 PXP-245, 355-II, 356-II, 361-II  
 PXP-250A ..... 355-II  
 PXY-1 ..... 652-V  
 PYP-245 ..... 357-II, 362-II  
 PYP-245R ..... 354-II  
 PYP-250 ..... 364-II  
 R-25-28 ..... 651-V  
 R-80-81 ..... 353-II  
 RS-81 ..... 364-II  
 RXP-171 ..... 360-II  
 70 ..... 653-V  
 150 ..... 654-V

**RADIO TECHNIC LABORATORY**

Television Receiver ..... 445D-IIs

**RADIO TRADING CO.**

S-307 ..... 661-V  
 53 Twinplex ..... 655-V  
 308 ..... 656-V  
 2115 ..... 655-V  
 2140 ..... 657-V  
 2143 ..... 658-V  
 2174 ..... 659-V  
 2177 ..... 660-V

**RCA-PHOTOPHONE, Inc.**

PG-5 ..... 343-II, 345-II  
 PG-6 ..... 348-II, 351-II  
 PG-7 ..... 349-II  
 PG-10 ..... 350-II  
 PG-13 ..... 347-II  
 4-PA50A1 ..... 344-II  
 4-PK1A2 ..... 341-II

**RCA MANUFACTURING COMPANY, Inc.**

Alhambra 1 ..... 231-I  
 Alhambra II ..... 233-I  
 Auditorium Phonograph 340R to 340V-IIs  
 Borgia 11 ..... 231-I  
 Electrola Cromwell ..... 231-I  
 Florenza ..... 233-I  
 Radiola AR ..... 243-I  
 Radiola Grand ..... 245-I  
 Radiola RS ..... 243-I  
 Radiola Senior ..... 243-I  
 S. W. Adapter ..... 617-III  
 Theremin ..... 328-III  
 A4-4229 ..... 701-V  
 ACR-136—Schematic, Assembly Wiring Diagram 922-VI  
 ACR-136—Wiring Diagram 923-VI  
 ACR-136—Socket Voltages, Trimmers ..... 924-VI  
 AP-736 ..... 238-I  
 AP-777C ..... 335-I  
 AP-810 ..... 249-I  
 AP-935 ..... 256-I  
 AP-937 ..... 246-I  
 AP-947 ..... 241-I  
 AP-951 ..... 236-I, 256-I  
 AP-951A ..... 236-I  
 AP-952 ..... 236-I, 241-I  
 AP-974A ..... 236-I  
 AP-997 ..... 236-I, 241-I

AP-997A ..... 236-I  
 AP 997C ..... 328-I  
 AR-812 ..... 249-I  
 AR-1145 ..... 332-II  
 AR-5096 ..... 702-V  
 AUR-1 ..... 675-V  
 BC-6-4—Schematic, Chassis Layout ..... 796-VI  
 BC-6-4—Socket Voltages, Battery Connection ..... 798-VI  
 BC-6-6—Schematic ..... 799-VI  
 BC-6-6—Wiring Diagram ..... 800-VI  
 BC-6-6—Socket Voltages, Power Unit Details ..... 801-VI  
 BC-6-6—Alignment ..... 802-VI  
 BT-6-3—Schematic, Chassis Layout ..... 796-VI  
 BT-6-3—Wiring Diagram ..... 797-VI  
 BT-6-3—Socket Voltages, Battery Connection ..... 798-VI  
 BT-6-5—Schematic ..... 799-VI  
 BT-6-5—Wiring Diagram ..... 800-VI  
 BT-6-5—Socket Voltages, Power Unit Details ..... 801-VI  
 BT-6-5—Alignment ..... 802-VI  
 BT-6-10—Schematic, Chassis Layout ..... 796-VI  
 BT-6-10—Wiring Diagram ..... 797-VI  
 BT-6-10—Socket Voltages, Battery Connection ..... 798-VI  
 BT-7-8—Schematic, Service Data ..... 815-VI  
 BT-7-8—Chassis Layout, Socket Voltages, Battery Connections ..... 816-VI  
 BT-7-9—Schematic, Service Data ..... 815-VI  
 BT-7-9—Chassis Layout, Socket Voltages, Battery Connections ..... 816-VI  
 C-6-2—Schematic, Service Data ..... 807-VI  
 C-6-2—Wiring Diagram ..... 808-VI  
 C-6-2—Socket Voltages ..... 809-VI  
 C-6-8—Schematic, Service Data ..... 810-VI  
 C-6-12—Schematic, Service Data ..... 813-VI  
 C-6-12—Wiring Diagram, Socket Voltages, Chassis Layout ..... 814-VI  
 C-7-6—Schematic, Service Data ..... 822-VI  
 C7-14—Schematic, Wiring Diagram ..... 421-VII  
 C-8-15—Schematic, Chassis Layout ..... 833-VI  
 C-8-15—Wiring Diagram, Alignment ..... 834-VI  
 C-8-15—Alignment (cont'd), Socket Voltages ..... 835-VI  
 C-8-17—Schematic, Chassis Layout ..... 836-VI  
 C-8-17—Wiring Diagram ..... 837-VI  
 C-8-19—Schematic ..... 838-VI  
 C-8-19—Wiring Diagram ..... 839-VI  
 C-8-20—Schematic ..... 838-VI  
 C-8-20—Wiring Diagram ..... 839-VI  
 C-9-4—Schematic, Chassis Layout ..... 841-VI  
 C-9-4—Wiring Diagram ..... 842-VI  
 C-9-4—Alignment ..... 843-VI  
 C-9-4—Alignment (cont'd), Socket Voltages ..... 844-VI  
 C-9-6—Schematic, Chassis Layout ..... 845-VI  
 C-9-6—Wiring Diagram ..... 846-VI  
 C-11-1—Schematic ..... 866-VI

# INDEX

(Page 38)

**R. C. A. MANU. CO. (Cont'd)**

C-11-1—Wiring Diagram 867-VI  
 C-11-1—Alignment 867-VI  
     Socket Voltages 868-VI  
 C-13-2—Schematic 880-VI  
 C-13-2—Wiring Diagram 881-VI  
 C-13-2—Socket Voltages 882-VI  
 C-15-3—Schematic, Chassis Layout 883-VI  
 C-15-3—Wiring Diagram, Service Data 884-VI  
 C-15-3—Socket Voltages 885-VI  
 CE-29 592-III  
 CRD-9 Electric Phonograph Schematic, Wiring Diagram 546-VII  
 D-7-7—Schematic, Service Data 817-VI  
 D-7-7—Chassis Layout, Socket Voltages 818-VI  
 D-7-7—Assembly Wiring Diagram 819-VI  
 D-7-7—Motor Board Adjustments 820-VI  
 D-7-7—Alignment 821-VI  
 D-8-28—Schematic, Service Data 830-VI  
 D-8-28—Assembly Wiring Diagram 831-VI  
 D-8-28—Phono-Motor Details, Socket Voltages 832-VI  
 D-9-19—Schematic 853-VI  
 D-9-19—Chassis Layout, Wiring Diagram 854-VI  
 D-9-19—Pickup Details, Assembly Wiring Diagram 855-VI  
 D-9-19—Phono-Motor Details, Socket Voltages 856-VI  
 D-11-2—Schematic 869-VI  
 D-11-2—Wiring Diagram 870-VI  
 D-11-2—Chassis Layout, Socket Voltages, Pickup Details 871-VI  
 D-11-2—Assembly Wiring Diagram 872-VI  
 D-11-2—Phonograph Details 873-VI  
 D-11-2—Alignment 874-VI  
 D-11-2—Alignment (cont'd) 875-VI  
 D-11-2—Alignment (concluded) 876-VI  
 D-22-1—Schematic (1st Half) 886-VI  
 D-22-1—Schematic (2nd Half) 887-VI  
 D-22-1—Wiring Diagram 888-VI  
 D-22-1—Power Amplifier, Wiring Diagram 889-VI  
 D-22-1—Socket Voltages 890-VI  
 D-22-1—Assembly Wiring Diagram 891-VI  
 D-22-1—Service Data Color Codes 892-VI  
 D-22-1—Alignment 893-VI  
 D-22-1—Alignment (cont'd) 894-VI  
 D-22-1—Alignment (cont'd) 895-VI  
 D-22-1—Alignment (cont'd) 896-VI  
 D-22-1—Chassis Layout, Wiring Diagram of Amplifier, Alignment (concluded) 897-VI  
 D22-1—Operating Voltages 251-VII  
 D22-1A Schematic (1st half) 252-VII  
 D22-1A—Schematic (2nd half) 253-VII  
 D22-1A—Operating Voltages, Pickup Details 251-VII

H-6 (Auto Set), Schematic, Service Data 803-VI  
 H-6 (Hudson), Auto Set—Wiring Diagram, Socket Voltages 804-VI  
 JMV-97A 703-V  
 M-30 300DD-III  
 M-32 Auto Set—Schematic, Wiring Diagram, Operating Voltages 545-VII  
 M-34 197-IV, 198-IV, 199-IV  
 M-101—Schematic, Socket Voltages 908-VI  
 M-101—Wiring Diagram, Chassis Layout, Service Hints 909-VI  
 M104—Schematic, Service Data 254-VII  
 M104—Wiring Diagram, Operating Voltages, Trimmer Locations 255-VII  
 M-105 704-V  
 M-107 705-V  
 M108—Schematic, Service Data 254-VII  
 M108—Wiring Diagram, Operating Voltages, Trimmer Locations 255-VII  
 M-116 706-V  
 M-123 707-V  
 P-31 596-III  
 PG-62 200-IV, 201-IV  
 PG-62D1—Schematic, Socket Voltages 899-VI  
 PG-62D1—Wiring Diagram 900-VI  
 PG-75—Schematic, Socket Voltages, Service Data 901-VI  
 PG-75—Wiring Diagram 902-VI  
 PG-75—Service Data (concluded) 903-VI  
 PT-15 202-IV  
 R-3-C 708-V  
 R-4 326H-III  
 R-5 AC 334-II, 226J-Is  
 R-5 DC 336-II  
 R-6 326H-III  
 R-7 AC 266G-Is  
 R-7A AC 327-II  
 R-7 DC 327-II  
 R-8 126I to 326M-III  
 R-9 DC 337-II  
 R-10 AC 584-III  
 R-11 355-II, 330-III  
 R-12 326I to 326M-III  
 R-14 242A-Is  
 R-15 266D-Is  
 R-17-M 709-V  
 R-18-W 710-V  
 R-20 326N to 326P-III, 234-I  
 R-21 326N to 326P-III, 264-I, 347-III  
 R-22 711-V  
 R-24 203-IV, 204-IV, 205-IV, 206-IV, 207-IV  
 R-25-DC 712-V  
 R-27 208-IV, 209-IV  
 R-28 210-IV, 211-IV  
 R-28-BW 210-IV, 211-IV  
 R-28-BWC 210-IV, 211-IV  
 R-28-P 713-V  
 R-28-W 212-IV, 213-IV  
 R-32 240-I, 266-I  
     297-III, 341-III, 342-III  
 R-34 (Same as R-35) 266E-Is  
 R-35 266E-Is  
 R-37 214-IV, 215-IV  
 R-37-P 714-IV  
 R-38 214-IV, 215-IV  
 R-38-P 714-IV  
 R-39 266E-Is  
 R-42 240-I, 242A-Is  
 R-43 333-II  
 R-45 341-III  
 R-50 338-II, 260-I, 330-III  
 R-51-B 715-V  
 R-52 (Same as R-32) 240-I  
 R-53-B 715-V

R-55 338-II, 330-III  
 R-70 216-IV  
 R-71 604-III  
 R-71-B 217-IV, 218-IV  
 R-72 604-III  
 R-73 219-IV, 220-IV  
 R-73-A 219-IV, 220-IV  
 R-74 221-IV  
     222-IV, 223-IV, 224-IV  
 R-75 225-IV, 226-IV  
 R-75-A 225-IV, 226-IV  
 R-76 222-IV, 223-IV, 224-IV  
 R-77 222-IV, 223-IV, 224-IV  
     424N-III, 583-III  
 R-78-A 424N-III, 583-III  
 R-80 226A-Is  
 R-90 227-IV, 228-IV  
 R-90-P 716-V  
 R-92 717-V  
 R-93 (Duo Junior), Schematic, Wiring Diagram 904-VI  
 R-93 (Duo Junior), Adaptation to RCA Sets 905-VI  
 R-95—"Electrola"—Schematic, Socket Voltages 906-VI  
 R-95—"Electrola"—Phono-Motor Details, Assembly Wiring Diagram 907-VI  
 R-96 Electric Phonograph Schematic, Wiring Diagram 1251-VII  
 R-96 Electric Phonograph Operating Voltages, Details of Motor and Pickup 1253-VII  
 R-96 Electric Phonograph Service Data, Parts List 1254-VII  
 R-97 Electric Phonograph Schematic, Wiring Diagram 1251-VII  
 R-97 Electric Phonograph Adjustment of Automatic Record Changer 1252-VII  
 R-97 Electric Phonograph Operating Voltages, Details of Motor and Pickup 1253-VII  
 R-97 Electric Phonograph Service Data, Parts List 1254-VII  
 R99—Schematic 87-VII  
 R99—Operating Voltages, Resistance Measurements Service Data 88-VII  
 R99—Wiring Diagram, Parts List 89-VII  
 R99—Assembly Diagram, Motor Adjustments 90-VII  
 R-99 (2nd Production) High-Fidelity Electrola Schematic 541-VII  
 R-99 (2nd Production) High-Fidelity Electrola Assembly Diagram, Service Data 542-VII  
 RAE-26 718-V  
 RAE-59 326Q-III, 326R-III  
 RAE-68 340-II  
 RAE-79 606-III  
 RAE-84 229-IV, 230-IV, 231-IV  
 RE-17 266I-Is  
 RE-18 719-V  
 RE-20 720-V  
 RE-35 321-III  
 RE-39 321-III  
 RE-40 232-IV, 233-IV  
 RE-45 240-I, 297-III, 316-III, 324-III, 344-III  
 RE-40-P—Schematic, Wiring Diagram 543-VII  
 RE-40-P—Alignment, Operating Voltages, Adjustment of Pickup 544-VII

RE-57 266E-Is, 321-III  
 RE-75 240-I  
 RE-80 243-IV, 235-IV  
 RE-81 326-IV, 237-IV  
 RK-24—Phono-Oscillator—Schematic, Wiring Data 898-VI  
 RO-23 585-III  
 RPA-1A 265-I  
 RPA-4 265-I  
 SW-3 203-IV, 204-IV, 205-IV, 206-IV, 207-IV, 616-III  
 SWA-2 616-III  
 T-4-8—Schematic, Service Data 785-VI  
 T-4-8—Wiring Diagram, Socket Voltages 786-VI  
 T-4-8A—Schematic, Wiring Diagram, Socket Voltages 787-VI  
 T-4-9—Schematic, Service Data 785-VI  
 T-4-9—Wiring Diagram, and Socket Voltages 786-VI  
 T-4-9A—Schematic, Wiring Diagram, Socket Voltages 787-VI  
 T-4-10—Schematic, Socket Voltages 788-VI  
 T-4-10—Wiring Diagram 789-VI  
 T-5 339-II  
 T-5-2—Schematic, Service Data 794-VI  
 T-5-2—Socket Voltages, Alignment 795-VI  
 T-6-1—Schematic, Service Data 807-VI  
 T-6-1—Wiring Diagram 808-VI  
 T-6-1—Socket Voltages 809-VI  
 T-6-7—Schematic, Service Data 810-VI  
 T-6-9—Schematic, Service Data 811-VI  
 T-6-9—Wiring Diagram 812-VI  
 T-6-11—Schematic, Service Data 813-VI  
 T-6-11—Wiring Diagram, Socket Voltages, Chassis Layout 814-VI  
 T-7-5—Schematic, Service Data 822-VI  
 T-7-5—Wiring Diagram, Chassis Layout 823-VI  
 T-7-5—Socket Voltages, Alignment 824-VI  
 T7-12—Schematic, Wiring Diagram 421-VII  
 T-8-14—Schematic, Chassis Layout 833-VI  
 T-8-14—Wiring Diagram, Alignment 834-VI  
 T-8-14—Alignment (cont'd) Socket Voltages 835-VI  
 T-8-16—Schematic, Chassis Layout 836-VI  
 T-8-16—Wiring Diagram 837-VI  
 T-8-18—Schematic 838-VI  
 T-8-18—Wiring Diagram 839-VI  
 T-9-7—Schematic 847-VI  
 T-9-7—Wiring Diagram 848-VI  
 T-9-7—Socket Voltages 849-VI  
 T-9-8—Schematic 850-VI  
 T-9-8—Wiring Diagram 851-VI  
 T-9-8—Socket Voltages 852-VI  
 T-9-9—Schematic, Chassis Layout 845-VI  
 T-9-9—Wiring Diagram 846-VI  
 T-9-10—Schematic, Chassis Layout 841-VI

# INDEX

(Page 39)

<b>R. C. A. MANU. CO. (Cont'd)</b>	4X4—Alignment, Socket Voltages	791-VI	5X4—Alignment, Operating Voltages	694-VII	14	325-III
T-9-10—Wiring Diagram	4X4—Alignment (cont'd), Service Data	792-VI	5X4—Alignment (Continued), Resistance Data	695-VII	15U—Schematic	1655-VII
T-9-10—Alignment	5BT—Schematic, Wiring Diagram	94-VII	5X4—Alignment (Concluded), Service Data	696-VII	16	234-I, 246-I, 296-III
T-9-10—Alignment (cont'd) Socket Voltages	5BT—Operating Voltages, Trimmer Locations, Resistance Measurements, "A" Voltages	95-VII	6K2 (1st Production)—Schematic	1645-VII	17	237-I, 252-I
T-10-1—Schematic	5BT—Alignments, Parts List	96-VII	6K3—Schematic	1646-VII	18	296-III, 308-III, 340-III
T-10-1—Wiring Diagram	5M (Auto Set)—Schematic Diagram	793-VI	6M—Schematic, Service Data	805-VI	18 AC	252-I, 296-III, 308-III
T-10-1—Socket Voltages	5T—Schematic, Wiring Diagram	422-VII	6M—Service Data, Alignment	806-VI	18 DC	262-I, 305-III
T-10-1—Alignment, Chassis Layout	5T—Operating Voltages, Trimmer Locations	424-VII	6M2—Schematic, Service Data, Alignment	806-VI	20	247-I, 340-III
T-10-1—Alignment (cont'd)	5T—Resistance Data, Speaker Connections	423-VII	6T2 (1st Production)—Schematic	1645-VII	22	264-I
T-10-1—Alignment (cont'd)	5T1—Schematic, Wiring Diagram	691-VII	7K1—Schematic	1646-VII	24	249-I
T-10-3—Schematic, Chassis Layout	5T1—Alignment, Operating Voltages, Trimmer Locations	692-VII	7T1—Schematic	1646-VII	25	281-III
T-10-3—Wiring Diagram	5T4—Schematic, Wiring Diagrams, Chassis Layout, Speaker Connections	256-VII	7U—Schematic, Wiring Diagram	825-VI	25 AC	330-II
T-10-3—Alignment, Socket Voltages	5T4—Alignment, Parts List	258-VII	7U—Assembly Wiring Diagram	826-VI	25 Battery	250-I
T-11-8—Schematic	5T4—Operating Voltages, Resistance Data	257-VII	7U—Socket Voltages, Pickup Data, Chassis Layout	827-VI	26	249-I
T-11-8—Wiring Diagram	5T5—Schematic, Wiring Diagram, Phono, Connections	1106-VII	7U—Service Data	828-VI	28	331-II
T-11-8—Socket Voltages, Chassis Layout	5T5—Alignment, Trimmer Locations, Plate Current Readings, Service Data, Speaker Connections	1108-VII	7U—Motor Board Adjustment	829-VI	28	235-I, 242B-Is, 254-I, 266F-Is
U-101—Schematic, Wiring Diagram	5T5—Operating Voltages, Resistance Data	1107-VII	7U2—Schematic	1647-VII	30	247-I
U-101—Alignment, Chassis Layout, Trimmer Locations (On Chassis), Parts List	5T6—Schematic, Service Data	425-VII	7X—Schematic	1645-VII	30A	264-I, 301-III, 313-III
U-101—Service Data	5T6—Alignment Chart, Operating Voltages, Trimmer Locations	426-VII	7-1	231-I	32	309-III, 340-III
U-101—Electric Motor Details, Phono, Pickup Details, Service Data (Continued)	5T7—Schematic, Service Data	425-VII	7-2	233-I	33	251-I, 305-III
U-101—Operating Voltages, Trimmer Locations, (Under Chassis), Phono, Pickup Details (Continued)	5T7—Alignment Chart, Operating Voltages, Trimmer Locations	426-VII	7-3	234-I	33 DC	353-I
U-101—Parts List (Continued)	5T8—Schematic, Service Data	425-VII	7-10	234-I	35	342-III
U-103—Schematic	5T8—Alignment Chart, Operating Voltages, Trimmer Locations	426-VII	7-11	236-I	41	257-I, 340-III
U-103—Wiring Diagram, Service Data	5X—Schematic, Chassis Layout, Under Chassis Connections	693-VII	7-25	237-I	41 AC	299-III, 310-III
U-103—Alignment, Chassis Layout, Trimmer Locations (On Chassis), Parts List	5X—Alignment, Operating Voltages	694-VII	7-26	234-I, 242-I	41 DC	261-I
U-103—Adjustments of Automatic Record Changer	5X—Alignment (Continued), Resistance Data	695-VII	7-30	234-I	44	266-I, 267-I, 295-III
U-103—Electric Motor Details, Phono, Pickup Details, Service Data (Continued)	5X2—Schematic, Wiring Diagram, Chassis Layout, Trimmer Locations	827-VII	8BK—Schematic, Chassis Layout, Trimmer Locations, Phonograph Connections	1648-VII	44 AC	298-III, 302-III, 340-III
U-103—Operating Voltages, Trimmer Locations (Under Chassis), Phono, Pickup Details (Continued)	5X2—Alignment, Dial Mechanism	830-VII	8BK6—Schematic, Chassis Layout, Trimmer Locations, Phonograph Connections	1648-VII	45	314-III, 309-III
U-103—Parts List (Continued)	5X2—Operating Voltages, Speaker Connections	828-VII	8BT—Schematic, Chassis Layout, Trimmer Locations, phonograph connections	1648-VII	46	302-III, 319-III, 332-III
4 Tube 220V DC	5X2—Resistance Data	829-VII	8BT6—Schematic, Chassis Layout, Trimmer Locations, Phonograph Connections	1648-VII	46 AC	301-III, 310-III
4T—Schematic, Wiring Diagram, Parts List	5X3—Schematic, Chassis Layout, Under Chassis Connections	693-VII	8BT6—Schematic, Chassis Layout, Trimmer Locations, Phonograph Connections	1648-VII	46 DC	251-I
4T—Alignment	5X3—Alignment, Operating Voltages	694-VII	8K11—Schematic, Chassis Layout, Phonograph Connections	1649-VII	47	255-I, 259-I, 315-III
4T—Alignment (Continued) Operating Voltages, Power Transformer Connections, Resistance Measurements, Speaker Wiring	5X3—Alignment (Continued), Resistance Data	695-VII	8T2—Schematic, Chassis Layout, Phonograph Connections	1649-VII	48	322-III
4X—Schematic, Wiring Diagram	5X3—Alignment (Concluded), Service Data	696-VII	8T11—Schematic, Chassis Layout, Phonograph Connections	1649-VII	50	325-III, 326-III, 600-III
4X—Alignment, Socket Voltages	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII	8U2—Schematic	1650-VII	51	340-III
4X—Alignment (cont'd), Service Data	5X4—Alignment, Operating Voltages	694-VII	9K1—Schematic	1651-VII	51 DC	201-I
4X3—Schematic, Wiring Diagram	5X4—Alignment (Continued), Resistance Data	695-VII	9K3—Schematic	1651-VII	60	252-I
4X3—Alignment, Socket Voltages	5X4—Alignment (Concluded), Service Data	696-VII	9 Tube General Purpose All Wave Set—Schematic, Chassis Layout, Service Data	840-VI	62	310-III, 318-III, 328-III
4X3—Alignment (cont'd) Service Data	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII	9U—Schematic	1652-VII	64	262-I, 303-III, 310-III
4X4—Schematic, Wiring Diagram	5X4—Alignment, Operating Voltages	694-VII	9U2—Schematic	1652-VII	64	256-I, 302-III, 310-III
4X4—Alignment, Socket Voltages	5X4—Alignment (Continued), Resistance Data	695-VII	9-1	233-I	66	263-I, 316-III
4X4—Alignment (cont'd), Service Data	5X4—Alignment (Concluded), Service Data	696-VII	9-15	237-I	66	248-I, 258-I, 316-III
4X3—Schematic, Wiring Diagram	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII	9-18	241-I	67	331-III
4X3—Alignment, Socket Voltages	5X4—Alignment, Operating Voltages	694-VII	9-25 Electrola	232-I	80	325-III
4X3—Alignment (cont'd) Service Data	5X4—Alignment (Continued), Resistance Data	695-VII	9-40 Electrola	232-I	82	266D-Is, 325-III
4X4—Schematic, Wiring Diagram	5X4—Alignment (Concluded), Service Data	696-VII	9-54	239-I, 242-I	85BK—Schematic	1656-VII
4X4—Alignment, Socket Voltages	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII	9-55	238-I	85BT—Schematic	1656-VII
4X4—Alignment (cont'd) Service Data	5X4—Alignment, Operating Voltages	694-VII	10K1—Schematic	1653-VII	85T—Schematic	1657-VII
4X4—Schematic, Wiring Diagram	5X4—Alignment (Continued), Resistance Data	695-VII	10T—Schematic	1653-VII	85T1—Schematic	1657-VII
4X4—Alignment, Socket Voltages	5X4—Alignment (Concluded), Service Data	696-VII	10-51	240-I	85T5—Schematic	1658-VII
4X3—Alignment (cont'd) Service Data	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII	10-69	239-I, 240-I	86	266B, C-Is, 325-III
4X4—Schematic, Wiring Diagram	5X4—Alignment, Operating Voltages	694-VII	10-70	235-I, 242-I	86BK—Schematic	1659-VII
4X4—Alignment, Socket Voltages	5X4—Alignment (Continued), Resistance Data	695-VII	12-15	236-I	86BT—Schematic	1659-VII
4X4—Alignment (cont'd) Service Data	5X4—Alignment (Concluded), Service Data	696-VII	12-25	235-I	86E—Schematic	1660-VII
4X4—Schematic, Wiring Diagram	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII	13K—Schematic	1654-VII	86K—Schematic	1660-VII
4X4—Alignment, Socket Voltages	5X4—Alignment, Operating Voltages	694-VII			86KT—Schematic	1660-VII
4X4—Alignment (cont'd) Service Data	5X4—Alignment (Continued), Resistance Data	695-VII			86T—Schematic	1660-VII
4X4—Schematic, Wiring Diagram	5X4—Alignment (Concluded), Service Data	696-VII			86T1—Schematic	1660-VII
4X4—Alignment, Socket Voltages	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII			86T4—Schematic, Chassis Layout, Trimmer Locations	1397-VII
4X4—Alignment (cont'd) Service Data	5X4—Alignment, Operating Voltages	694-VII			86T4—Wiring Diagram	1398-VII
4X4—Schematic, Wiring Diagram	5X4—Alignment (Continued), Resistance Data	695-VII			86T4—Alignment, Operating Voltages, Parts List	1399-VII
4X4—Alignment, Socket Voltages	5X4—Alignment (Concluded), Service Data	696-VII			86T44—Schematic, Chassis Layout, Trimmer Locations	1397-VII
4X4—Alignment (cont'd) Service Data	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII			86T44—Wiring Diagram	1398-VII
4X4—Schematic, Wiring Diagram	5X4—Alignment, Operating Voltages	694-VII			86T44—Alignment, Operating Voltages, Parts List	1399-VII
4X4—Alignment, Socket Voltages	5X4—Alignment (Continued), Resistance Data	695-VII			86X—Schematic	1658-VII
4X4—Alignment (cont'd) Service Data	5X4—Alignment (Concluded), Service Data	696-VII			87K—Schematic	1660-VII
4X4—Schematic, Wiring Diagram	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII			87T—Schematic	1660-VII
4X4—Alignment, Socket Voltages	5X4—Alignment, Operating Voltages	694-VII			99X	331-III
4X4—Alignment (cont'd) Service Data	5X4—Alignment (Continued), Resistance Data	695-VII			100	662-V
4X4—Schematic, Wiring Diagram	5X4—Alignment (Concluded), Service Data	696-VII			100A Speaker	324-II
4X4—Alignment, Socket Voltages	5X4—Schematic, Chassis Layout, Under Chassis Connections	693-VII			100B Speaker	325-II
4X4—Alignment (cont'd) Service Data	5X4—Alignment, Operating Voltages	694-VII			101	662-V
4X4—Schematic, Wiring Diagram	5X4—Alignment (Continued), Resistance Data	695-VII			102	663-V
4X4—Alignment, Socket Voltages	5X4—Alignment (Concluded), Service Data	696-VII				

# INDEX

(Page 40)

- R. C. A. MANU. CO. (Cont'd)**
- 103—Schematic, Socket Voltages ..... 910-VI  
 103—Wiring Diagram ..... 911-VI  
 103 Speaker ..... 325-II  
 104 ..... 325-II  
 104 RPA ..... 254-I  
 105 ..... 257-I  
 106 ..... 326-II, 266F-Is  
 110 ..... 664-V  
 111 ..... 664-V  
 112 ..... 665-V  
 114 ..... 666-V  
 115 ..... 664-V  
 117—Schematic, Socket Voltages ..... 912-VI  
 117—Wiring Diagram ..... 913-VI  
 118 ..... 667-V  
 119—Schematic ..... 914-VI  
 119—Wiring Diagram ..... 915-VI  
 120 ..... 668-V  
 121 ..... 669-V  
 122 ..... 669-V  
 124 ..... 670-V  
 125—Schematic, Service Data ..... 916-VI  
 125—Wiring Diagram ..... 917-VI  
 125—Socket Voltages, Speaker Wiring ..... 918-VI  
 126B ..... 671-V  
 127 ..... 672-V  
 128—Schematic, Service Data ..... 928-VI  
 128—Wiring Diagram ..... 929-VI  
 128—Socket Voltages, Trimmers ..... 930-VI  
 128E—Schematic ..... 919-VI  
 128E—Wiring Diagram ..... 920-VI  
 128E—Trimmers, Socket Voltages ..... 921-VI  
 135B ..... 674-V  
 140 ..... 675-V  
 141 ..... 675-V  
 141E ..... 675-V  
 142B ..... 676-V  
 143—Schematic, Service Data ..... 925-VI  
 143—Wiring Diagram ..... 926-VI  
 143—Socket Voltages, Trimmers ..... 927-VI  
 210 ..... 678-V  
 211 ..... 667-V  
 214—Schematic, Socket Voltages ..... 912-VI  
 214—Wiring Diagram ..... 913-VI  
 220 ..... 679-V  
 221 ..... 680-V  
 222 ..... 679-V  
 223 ..... 681-V  
 224 ..... 673-V  
 224E—Schematic ..... 919-VI  
 224E—Wiring Diagram ..... 920-VI  
 224E—Trimmers, Socket Voltages ..... 921-VI  
 225—Schematic, Service Data ..... 916-VI  
 225—Wiring Diagram ..... 917-VI  
 225—Socket Voltages, Speaker Wiring ..... 918-VI  
 226—Schematic, Service Data ..... 928-VI  
 226—Wiring Diagram ..... 929-VI  
 226—Socket Voltages, Trimmers ..... 930-VI  
 235B ..... 674-V  
 236B—Schematic, Service Data ..... 931-VI  
 236B—Wiring Diagram ..... 932-VI  
 236B—Socket Voltages ..... 933-VI  
 240 ..... 675-V  
 241B ..... 676-V  
 242—Schematic, Service Data ..... 925-VI  
 242—Wiring Diagram ..... 926-VI  
 242—Socket Voltages, Trimmers ..... 927-VI  
 243—Schematic, Service Data ..... 925-VI  
 243—Wiring Diagram ..... 926-VI  
 243—Socket Voltages, Trimmers ..... 927-VI  
 260 ..... 682-V  
 261 ..... 683-V  
 262—Schematic ..... 934-VI  
 262—Wiring Diagram ..... 935-VI  
 262—Socket Voltages ..... 936-VI  
 262 (Supplementary), Schematic ..... 937-VI  
 262 (Supplementary), Wiring Diagram ..... 938-VI  
 263—Schematic ..... 934-VI  
 263—Wiring Diagram ..... 935-VI  
 263—Socket Voltages ..... 936-VI  
 280 ..... 685-V  
 281 ..... 686-V  
 300 ..... 687-V  
 301 ..... 688-V  
 310 ..... 689-V  
 320 ..... 690-V  
 321 ..... 691-V  
 322 "Duo" ..... 692-V  
 322E—"Duo"—Schematic, Service Data ..... 939-VI  
 322E—"Duo"—Wiring Diagram, Service Data ..... 940-VI  
 322E—"Duo"—Assembly Wiring Diagram ..... 941-VI  
 322E—"Duo"—Socket Voltages, Alignment, Trimmers ..... 942-VI  
 322E—"Duo"—Alignment (cont'd) ..... 943-VI  
 327 220 V. DC ..... 693-V  
 330 ..... 694-V  
 331 ..... 695-V  
 340 ..... 696-V  
 340E ..... 696-V  
 341 "Duo" ..... 697-V  
 380 "Duo" ..... 698-V  
 380HR "Duo" ..... 699-V  
 381 "Duo" ..... 700-V  
 810T4—Schematic, Chassis Layout, Trimmer Locations ..... 1400-VII  
 810T4—Wiring Diagram ..... 1401-VII  
 810T4—Alignment, Operating Voltages, Parts List ..... 1402-VII  
 811K—Schematic ..... 1661-VII  
 812K—Schematic ..... 1662-VII  
 813K—Schematic ..... 1403-VII  
 813K—Wiring Diagram ..... 1404-VII  
 813K—Wiring Diagram, Alignment, Electric Tuning ..... 1407-VII  
 813K—Alignment (Cont'd), Cathode Current Data, Parts List ..... 1408-VII  
 813K—Operating Voltages, Chassis Layout, Trimmer Locations ..... 1405-VII  
 813K—Diagram of Automatic Tuning Mechanism ..... 1406-VII  
 II ..... 244-I  
 III ..... 243-I  
 IIIA ..... 245-I  
 IV ..... 244-I  
 V ..... 244-I  
 VI ..... 244-I  
 VII ..... 243-I  
 VIIIB ..... 339-II, 246-I  
 VIII ..... 249-I  
 IX ..... 245-I
- RADIO PRODUCTS CORP.**  
 See Continental Radio & Tel. Co.
- RADIO SERVICE ENGINEERS**  
 See Continental Radio & Tel. Corp.
- RADOLEK COMPANY**
- J10936—Schematic, Chassis Layout, Trimmer Locations ..... 261-VII  
 J10953—Schematic, Chassis Layout, Trimmer Locations ..... 86-VII  
 K-16,700—Schematic, Chassis Layout ..... 547-VII  
 K-16,701—Schematic Chassis Layout ..... 547-VII  
 K-16,702—Schematic ..... 548-VII  
 K-16,703—Schematic ..... 548-VII  
 K-16,705—Schematic ..... 1409-VII  
 K-16,706—Schematic, Parts List ..... 549-VII  
 K-16,740—Schematic, Alignment, Chassis Layout, Trimmer Locations, Parts List ..... 965-VII  
 K-16,743—Schematic, Chassis Layout, Trimmer Locations, Battery Connections ..... 831-VII  
 K-16,743—Alignment, Service Notes ..... 832-VII  
 K-16,747—Schematic, Chassis Layout, Trimmer Locations ..... 833-VII  
 K-16,748—Schematic, Chassis Layout, Trimmer Locations ..... 834-VII  
 K-16,749—Schematic, Alignment, Parts List ..... 966-VII  
 K-16,750—Schematic of Tuner and Amplifier, Chassis Layout of Tuner, Trimmer Locations ..... 1410-VII  
 K-16,750—Alignment, Service Data ..... 1412-VII  
 K-16,750—Chassis Layout of Amplifier, Parts List ..... 1411-VII  
 K-16,751—Schematic of Tuner and Amplifier, Chassis Layout of Tuner, Trimmer Locations ..... 1410-VII  
 K-16,751—Alignment, Service Data ..... 1412-VII  
 K-16,751—Chassis Layout of Amplifier, Parts List ..... 1411-VII  
 K-16,753—Schematic of Tuner and Amplifier, Chassis Layout of Tuner, Trimmer Locations ..... 1410-VII  
 K-16,753—Alignment, Service Data ..... 1412-VII  
 K-16,753—Chassis Layout of Amplifier, Parts List ..... 1411-VII  
 K-16,756—Schematic, Chassis Layout, Trimmer Locations ..... 1109-VII  
 K-16,756—Alignment, Parts List ..... 1110-VII  
 K-16,770—Schematic, Operating Voltages, Trimmer Locations ..... 1111-VII  
 K-16,770—Alignment, Adding the "Teleye" Parts List ..... 1112-VII  
 K-16,771—Schematic, Operating Voltages, Trimmer Locations ..... 1111-VII  
 K-16,771—Alignment, Adding the "Teleye", Parts List ..... 1112-VII
- K-16,772—Schematic, Operating Voltages, Trimmer Locations ..... 1111-VII  
 K-16,772—Alignment, Adding the "Teleye", Parts List ..... 1112-VII  
 K-16,773—Schematic, Operating Voltages, Trimmer Locations ..... 1255-VII  
 K-16,773—Alignment, Parts List ..... 1256-VII  
 K-16,774—Schematic, Operating Voltages, Trimmer Locations ..... 1255-VII  
 K-16,774—Alignment, Parts List ..... 1256-VII  
 S-47—Schematic ..... 1409-VII  
 S80—Schematic, Trimmer Locations ..... 85-VII  
 S81—Schematic, Trimmer Locations ..... 85-VII  
 S82—Schematic, Trimmer Locations ..... 85-VII  
 S85—Schematic, Trimmer Locations ..... 85-VII  
 S86—Schematic, Trimmer Locations ..... 85-VII  
 30A—Schematic, Operating Voltages ..... 262-VII  
 502—Schematic ..... 259-VII  
 10,150—Schematic ..... 697-VII  
 10,153—Schematic ..... 697-VII  
 10,942—Schematic ..... 698-VII  
 10,943—Schematic ..... 550-VII  
 11904—Schematic, Operating Voltages ..... 262-VII  
 11908—Schematic ..... 259-VII  
 11910—Schematic ..... 260-VII  
 11911—Schematic ..... 259-VII  
 11935—Schematic ..... 260-VII
- READRITE METER WORKS**
- 245 Set & Tube Tester ..... 444-II  
 400 Tube Tester ..... 445-II  
 450 Short Checker ..... 444-II  
 550 Oscillator ..... 445-II  
 600-700 Tester ..... 446-II
- REMLER COMPANY, Ltd.**
- Adjustment diagrams ..... 366B-IIIs  
 Cameo Screen Grid ..... 366R-IIIs  
 Norco 4 Superhet, Schematic, Operating Voltages ..... 98-VII  
 Norco 4 T.R.F.—Schematic, Operating Voltages ..... 98-VII  
 Norco 140—Schematic, Operating Voltages ..... 551-VII  
 Norco 170—Schematic, Operating Voltages ..... 551-VII  
 Norco 178 (Serial 78143 Up) Schematic, Operating Voltages ..... 552-VII  
 10 ..... 618-III  
 10-3 (Cameo) ..... 722-V  
 10-4 (World Cruiser) ..... 723-V  
 11 ..... 619-III  
 14 ..... 354-I, 332-III  
 15 ..... 366-II  
 15C—Schematic ..... 427-VII  
 15-3—Schematic ..... 427-VII  
 17 ..... 620-III  
 19 ..... 310H-IIIs  
 21 (Minuette) ..... 365-II  
 21-3 (Minuette) ..... 724-V  
 21-4—Schematic ..... 427-VII  
 26—1935 (Revised) Schematic ..... 427-VII  
 26—AC-DC (Scotty) ..... 725-V  
 27 (Scotty) ..... 726-V  
 28—Scottie (Serial No. 77039 Up) Schematic, Operating Voltages ..... 1113-VII  
 30 ..... 727-V



# INDEX

(Page 41)

**REMLER CO. LTD. (Cont'd)**

- 35 ..... 728-V
- 36—Auto Set—Schematic  
944-VI
- 37—Auto Set—Schematic  
944-VI
- 40 (Scotty) ..... 727-V
- 41—Schematic ..... 263-VII
- 42—Schematic,  
Socket Voltages,  
Service Data ..... 945-VI
- 42—Short-Wave—Schematic,  
Socket Voltages ..... 946-VI
- 43—Schematic ..... 947-VI
- 44—Schematic,  
Socket Voltages ..... 948-VI
- 44A—Schematic,  
Socket Voltages ..... 949-VI
- 45 kc. Super ..... 340-I
- 45—Schematic ..... 263-VII
- 46 "Scottie"—Schematic  
Operating Voltages ..... 264-VII
- 51—Schematic,  
Socket Voltages ..... 950-VI
- 52—Schematic, Operating,  
Voltages ..... 264-VII
- 53—Schematic ..... 947-VI
- 53C—Schematic ..... 947-VI
- 60—Schematic, Alignment,  
Operating Voltages ..... 428-VII
- 62—Schematic,  
Socket Voltages ..... 951-VI
- 63—Schematic,  
Socket Voltages ..... 952-VI
- 64—Schematic, Alignment,  
Operating Voltages ..... 429-VII
- 71—Schematic, Alignment,  
Operating Voltages ..... 430-VII
- 88—Schematic ..... 947-VI
- 89 (Serial No. 92582 Up)  
Schematic, Operating  
Voltages ..... 1114-VII
- 89C (Serial No. 92582 Up)  
Schematic, Operating  
Voltages ..... 1114-VII
- 91—Schematic, Alignment,  
Operating Voltages ..... 97-VII

**REPUBLIC INDUSTRIES**

- Master—Schematic, Parts  
List ..... 554-VII
- "Patrician"—Schematic,  
Parts List ..... 265-VII
- CS-6—Schematic, Operating  
Voltages, Chassis Lay-  
out, Trimmer Locations,  
Parts List ..... 1115-VII
- R.M. 6—Schematic, Parts  
List ..... 553-VII
- SL5—Schematic, Parts  
List ..... 265-VII
- SL-5D—Schematic, Parts  
List ..... 266-VII
- SL6—Schematic, Parts  
List ..... 266-VII
- SL-6D—Schematic, Operat-  
ing Voltages, Chassis  
Layout, Parts List ..... 1116-VII
- TL-6C—Schematic, Parts  
List ..... 967-VII
- TR-5B—Schematic, Parts  
List ..... 967-VII
- WA-10—Schematic, Parts  
List ..... 554-VII
- 42—Schematic, Parts List  
968-VII
- 51—Schematic, Parts List  
968-VII
- 311—Schematic, Parts List  
699-VII
- 316—Schematic, Parts List  
700-VII

**ROBERTSON-DAVIS CO.**

- Melo-Heald, 11 Tube  
Super ..... 357-I

**ROGERS-MAJESTIC  
CORP., Ltd.**

- 530 (Same as 833) ..... 731-V
- 540 (Same as 833) ..... 731-V
- 550 (Same as 833) ..... 731-V
- 560 (Same as 833) ..... 731-V
- 580 (Same as 832) ..... 730-V
- 645 ..... 729-V
- 832 ..... 730-V
- 833 ..... 731-V
- 840 ..... 732-V

**ROLA COMPANY**

- 80 ..... 367-II
- 90 ..... 367-II

## S

**SAMSON ELECTRIC  
COMPANY**

See also S. H. Couch Co.

- PAM-5 ..... 371-II
- PAM-9 ..... 369-II
- PAM-16 ..... 372-II
- PAM-16N ..... 370-II
- PAM-17 ..... 372-II
- PAM-17M ..... 370-II
- PAM-19 ..... 374-II
- PAM-25 ..... 373-II
- PAM-M1K1 ..... 375-II

**SANGAMO ELECTRIC CO.**

- 250 Amplifier ..... 450-II
- 3 Stage Amplifier ..... 450-II

**E. H. SCOTT RADIO  
LABORATORIES**

- All-Wave Super ..... 196P-Is

**SEARS, ROEBUCK & CO.**

- A1 Auto Set—Schematic,  
Alignment, Operating  
Voltages, Chassis Lay-  
out ..... 99-VII
- F ..... 200B-Is
- FF ..... 200B-Is
- G ..... 200B-Is
- H ..... 200B-Is
- J ..... 200B-Is
- 6W—Schematic, Alignment,  
Operating Voltages ..... 100-VII
- 36 ..... 376A-1Is, B-1Is
- 36P ..... 376C-1Is, D-1Is
- 37 ..... 376E-1Is, F-1Is, I-1Is
- 37P ..... 376D-1Is
- 39-125 ..... 621-III
- 40 ..... 623-III
- 41 ..... 376G-1Is, I-1Is, 628-III
- 41P ..... 376H-1Is
- 42 ..... 628-III
- 43 ..... 623-III
- 44 ..... 376J-1Is, K-1Is
- 46 ..... 627-III
- 47 ..... 376L-1Is, M-1Is, N-1Is
- 48 ..... 376L-1Is, M-1Is, N-1Is
- 49 ..... 625-III
- 49B—Schematic, Operating  
Voltages, Trimmer  
Locations ..... 555-VII

- 50 AVC ..... 3760-1Is, P-1Is
- 62 See Colonial Radio Corp.
- 65 ..... 733-V
- 69 ..... 733-V
- 105 ..... 734-V
- 106 ..... 735-V
- 107 ..... 736-V
- 108 ..... 737-V
- 109 ..... 738-V
- 110 ..... 739-V
- 111 ..... 739-V
- 112 ..... 740-V
- 114 ..... 376B-1Is
- 334—Schematic ..... 102-VII
- 334X—Schematic ..... 270-VII
- 1290—Schematic, Operating  
Voltages, Service Data  
101-VII
- 1292—Schematic, Operating  
Voltages, Service Data  
101-VII
- 1300—Schematic, Operating  
Voltages, Service Data  
101-VII
- 1302—Schematic, Operating  
Voltages, Service Data  
101-VII
- 1330—Schematic ..... 556-VII
- 1560 ..... 138-V
- 1562 ..... 138-V
- 1564 ..... 138-V
- 1570 ..... 733-V
- 1572 ..... 733-V
- 1574 ..... 733-V
- 1580 See Colonial Radio Corp.
- 1582 See Colonial Radio Corp.
- 1584 ..... 139-V
- 1586 See Colonial Radio Corp.
- 1590 ..... 741-V
- 1592 ..... 741-V
- 1620 ..... 742-V
- 1622 ..... 742-V
- 1670—Schematic ..... 431-VII
- 1700 ..... 743-V
- 1703 ..... 744-V
- 1704 ..... 745-V
- 1705 ..... 746-V
- 1706 ..... 747-V
- 1707 ..... 747-V
- 1708 ..... 748-V
- 1708A ..... 775-V
- 1709 ..... 748-V
- 1710 ..... 749-V
- 1711 ..... 750-V
- 1711A ..... 751-V
- 1712 ..... 752-V
- 1713 ..... 752-V
- 1714 ..... 753-V
- 1715 ..... 754-V
- 1720 ..... 755-V
- 1721 ..... 756-V
- 1722 ..... 757-V
- 1722X ..... 758-V
- 1724 ..... 759-V
- 1725 ..... 755-V
- 1728A—Schematic, Operating  
Voltages ..... 269-VII
- 1729 ..... 760-V
- 1732 ..... 757-V
- 1732X ..... 758-V
- 1743A—Schematic, Operating  
Voltages ..... 269-VII
- 1750 ..... 761-V
- 1760 ..... 762-V
- 1781—Schematic ..... 953-VI
- 1782—Schematic ..... 953-VI
- 1800—Schematic, Operating  
Voltages, Chassis Layout  
432-VII
- 1801—Schematic, Chassis  
Layout ..... 433-VII
- 1801A—Schematic, Chassis  
Layout ..... 433-VII
- 1802 ..... 763-V
- 1803 ..... 763-V
- 1804 ..... 764-V
- 1805 ..... 764-V
- 1805A—Schematic ..... 434-VII
- 1806 ..... 765-V

- 1808 (Same as 1805)  
Schematic ..... 764-V
- 1808A—Schematic ..... 434-VII
- 1820 ..... 764-V
- 1821 ..... 766-V
- 1823 ..... 765-V
- 1825 (Same as 1828)  
Schematic ..... 767-V
- 1826 ..... 764-V
- 1826A—Schematic ..... 434-VII
- 1827 ..... 766-V
- 1828 ..... 767-V
- 1829 ..... 765-V
- 1840 ..... 768-V
- 1841—Schematic ..... 434-VII
- 1850 ..... 770-V
- 1851 ..... 770-V
- 1854 ..... 769-V
- 1855 ..... 771-V
- 1857 ..... 772-V
- 1858 ..... 773-V
- 1861—Schematic, Operating  
Voltages ..... 557-VII
- 1861 (Revised) Schematic,  
Operating Voltages ..... 558-VII
- 1862 (Same as 1850)  
Schematic ..... 770-V
- 1868 (Same as 1850)  
Schematic ..... 770-V
- 1869 Auto Radio—Schematic,  
Service Hints ..... 268-VII
- 1870 (Same as 1850)  
Schematic ..... 770-V
- 1904—Schematic ..... 954-VI
- 1904A—Schematic ..... 954-VI
- 1905—Schematic ..... 955-VI
- 1906—Schematic ..... 954-VI
- 1907—Schematic, Trimmer  
Locations ..... 701-VII
- 1907—Alignment, Service  
Hints ..... 702-VII
- 1909—Schematic ..... 956-VI
- 1912—Schematic ..... 956-VI
- 1914 (Same as 1954)  
Schematic ..... 954-VI
- 1915—Schematic ..... 955-VI
- 1917—Schematic ..... 957-VI
- 1918—Schematic ..... 958-VI
- 1918A—Schematic ..... 959-VI
- 1919 (Chassis 345-X),  
Schematic ..... 960-VI
- 1920—Schematic ..... 961-VI
- 1922—Schematic ..... 962-VI
- 1922A—Schematic ..... 963-VI
- 1923—Schematic ..... 964-VI
- 1923 (Chassis 334)—  
Schematic ..... 102-VII
- 1923 (Chassis 334X)—  
Schematic ..... 270-VII
- 1926—Schematic ..... 961-VI
- 1928—Schematic ..... 965-VI
- 1929 (Chassis 345-X),  
Schematic ..... 960-VI
- 1932—Schematic ..... 962-VI
- 1932A—Schematic ..... 963-VI
- 1933—Schematic ..... 964-VI
- 1933 (Chassis 334)—  
Schematic ..... 102-VII
- 1933 (Chassis 334X)—  
Schematic ..... 270-VII
- 1933A—Schematic ..... 966-VI
- 1936—Schematic ..... 958-VI
- 1936 (Battery Set),  
Schematic ..... 967-VI
- 1939—Schematic, Trimmer  
Locations ..... 701-VII
- 1939—Alignment, Service  
Hints ..... 702-VII
- 1942—Schematic ..... 968-VI
- 1942 (Chassis 391-X),  
Schematic ..... 969-VI
- 1944 (Chassis 391-X),  
Schematic ..... 969-VI
- 1945—Schematic ..... 970-VI
- 1946—Schematic ..... 971-VI
- 1947—Schematic ..... 972-VI
- 1948—Schematic ..... 972-VI
- 1954—Schematic ..... 954-VI
- 1955—Schematic ..... 955-VI

# INDEX

(Page 42)

**SEARS, ROEBUCK (Cont'd)**

- 1957—Schematic, Trimmer Locations ..... 701-VII  
 1957—Alignment, Service Hints ..... 702-VII  
 1962—Schematic ..... 956-VI  
 1964—Schematic ..... 954-VI  
 1964A—Schematic ..... 954-VI  
 1965—Schematic ..... 955-VI  
 1967—Schematic ..... 973-VI  
 1967A—Schematic ..... 974-VI  
 1967A—Parts List ..... 975-VI  
 1968 (Same as 1918)  
 Schematic ..... 958-VI  
 1968A—Schematic ..... 959-VI  
 1971—Auto Set—Schematic ..... 976-VI  
 1972—Schematic ..... 968-VI  
 1972 (Chassis 391-X), Schematic ..... 969-VI  
 1978—Schematic ..... 965-VI  
 1980—Schematic ..... 961-VI  
 1982—Schematic ..... 962-VI  
 1982A (Chassis 345-X), Schematic ..... 960-VI  
 1982A—Schematic ..... 963-VI  
 1983—Schematic ..... 964-VI  
 1983 (Chassis 334)—Schematic ..... 102-VII  
 1983 (Chassis 334X)—Schematic ..... 270-VII  
 1983A—Schematic ..... 966-VI  
 1986 (Chassis No. 101407) Schematic ..... 1663-VII  
 1987 (Chassis No. 101407) Schematic ..... 1663-VII  
 1992—Schematic ..... 962-VI  
 1992A—Schematic ..... 963-VI  
 1993—Schematic ..... 964-VI  
 1993 (Chassis 334)—Schematic ..... 102-VII  
 1993 (Chassis 334X)—Schematic ..... 270-VII  
 1994—Schematic ..... 968-VI  
 1996 (Battery Set), Schematic ..... 967-VI  
 1998—Schematic ..... 977-VI  
 1999 (Chassis 345-X), Schematic ..... 960-VI  
 3808 Auto Radio—Schematic ..... 267-VII  
 4400—Auto Set—Schematic, Chassis Layout, Trimmers, Socket Voltages ..... 978-VI  
 4403 (Chassis No. 101407) Schematic ..... 1663-VII  
 4414 (Chassis No. 101393) Schematic, Alignment, Service Data, Parts List ..... 1664-VII  
 4415 (Chassis No. 101393) Schematic, Alignment, Service Data, Parts List ..... 1664-VII  
 4416 (Chassis No. 101446) Schematic ..... 1665-VII  
 4419 (Chassis No. 101449) Schematic ..... 1666-VII  
 4421 (Chassis No. 104127) Schematic ..... 1673-VII  
 4422 (Chassis No. 101438) Schematic ..... 1667-VII  
 4423 (Chassis No. 101438) Schematic ..... 1667-VII  
 4426 (Chassis No. 101417) Schematic ..... 1668-VII  
 4426A (Chassis No. 101417A) Schematic ..... 1668-VII  
 4427 (Chassis No. 101417) Schematic ..... 1668-VII  
 4429 (Chassis No. 101437) Schematic ..... 1665-VII  
 4434 (Chassis No. 104127) Schematic ..... 1673-VII  
 4439 (Chassis No. 101448) Schematic, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1669-VII  
 4440 (Chassis No. 101448) Schematic, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1669-VII  
 4441 (Chassis No. 101450) Schematic ..... 1667-VII  
 4446 (Chassis No. 101417) Schematic ..... 1668-VII  
 4447 (Chassis No. 101417) Schematic ..... 1668-VII  
 4449 (Chassis No. 101437) Schematic ..... 1665-VII  
 4450 (Chassis No. 101420) Schematic ..... 1665-VII  
 4451 (Chassis No. 101450) Schematic ..... 1667-VII  
 4455 (Chassis No. 101448) Schematic, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1669-VII  
 4456 (Chassis No. 101448) Schematic, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1669-VII  
 4459 (Chassis No. 101449) Schematic ..... 1666-VII  
 4463 (Chassis No. 101407) Schematic ..... 1663-VII  
 4464 (Chassis No. 101407) Schematic ..... 1663-VII  
 4465 (Chassis No. 101450) Schematic ..... 1667-VII  
 4468 (Chassis No. 101454) Schematic ..... 1670-VII  
 4470 (Chassis No. 101454) Schematic ..... 1670-VII  
 4484 (Chassis No. 101407) Schematic ..... 1663-VII  
 4485 (Chassis No. 101450) Schematic ..... 1667-VII  
 4486 (Chassis No. 100156) Schematic, Operating Voltages ..... 1671-VII  
 4488 (Chassis No. 101412) Schematic ..... 1672-VII  
 4488A (Chassis No. 101412A) Schematic ..... 1672-VII  
 4490 (Chassis No. 101454) Schematic ..... 1670-VII  
 4498 (Chassis No. 101465) Schematic ..... 1670-VII  
 4499 (Chassis No. 101465) Schematic ..... 1670-VII  
 4500 (Chassis No. 101393) Schematic, Alignment, Service Data, Parts List ..... 1664-VII  
 4501 (Chassis No. 101426) Schematic ..... 1673-VII  
 4502 (Chassis No. 101427) Schematic ..... 1674-VII  
 4503 (Chassis No. 101426) Schematic ..... 1673-VII  
 4504 (Chassis No. 101427) Schematic ..... 1674-VII  
 4505 (Chassis No. 101393) Schematic, Alignment, Service Data, Parts List ..... 1664-VII  
 4506 (Chassis No. 101393) Schematic, Alignment, Service Data, Parts List ..... 1664-VII  
 4507 (Chassis No. 101426) Schematic ..... 1673-VII  
 4508 (Chassis No. 101427) Schematic ..... 1674-VII  
 4519 (Chassis No. 101437) Schematic ..... 1665-VII  
 4519 (Chassis No. 101449) Schematic ..... 1666-VII  
 4521 (Chassis No. 104127) Schematic ..... 1673-VII  
 4524A (Chassis No. 101438) Schematic ..... 1667-VII  
 4526 (Chassis No. 101417) Schematic ..... 1668-VII  
 4526A (Chassis No. 101417A) Schematic ..... 1668-VII  
 4529 (Chassis No. 101437) Schematic ..... 1665-VII  
 4532 (Chassis No. 101438) Schematic ..... 1667-VII  
 4539 (Chassis No. 101448) Schematic, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1669-VII  
 4542A (Chassis No. 101438) Schematic ..... 1667-VII  
 4546 (Chassis No. 101417) Schematic ..... 1668-VII  
 4546A (Chassis No. 101417A) Schematic ..... 1668-VII  
 4550 (Chassis No. 101420) Schematic ..... 1665-VII  
 4559 (Chassis No. 101449) Schematic ..... 1666-VII  
 4563 (Chassis No. 101407) Schematic ..... 1663-VII  
 4564 (Chassis No. 101407) Schematic ..... 1663-VII  
 4565 (Chassis No. 101450) Schematic ..... 1667-VII  
 4569 (Chassis No. 101445) Schematic ..... 1666-VII  
 4584 (Chassis No. 101407) Schematic ..... 1663-VII  
 4585 (Chassis No. 101450) Schematic ..... 1667-VII  
 4586 (Chassis No. 100156) Schematic, Operating Voltages ..... 1671-VII  
 4586A (Chassis No. 100156) Schematic, Operating Voltages ..... 1671-VII  
 4586B (Chassis No. 100156) Schematic, Operating Voltages ..... 1671-VII  
 4587 (Chassis No. 101411) Schematic ..... 1674-VII  
 4588 (Chassis No. 101412) Schematic ..... 1672-VII  
 4588A (Chassis No. 101412A) Schematic ..... 1672-VII  
 4589 (Chassis No. 101445) Schematic ..... 1666-VII  
 4598 (Chassis No. 101465) Schematic ..... 1670-VII  
 4600—Schematic, Operating Voltages, Cathode Current Values ..... 835-VII  
 4600—Alignment, Chassis Layout, Trimmer Locations ..... 836-VII  
 4601—Schematic, Operating Voltages, Cathode Current Values ..... 837-VII  
 4601—Alignment, Chassis Layout, Trimmer Locations ..... 838-VII  
 4602 (Factory No. 101475)—Schematic, Chassis Layout, Under Chassis Layout ..... 969-VII  
 4602 (Factory No. 101475)—Alignment, Service Data, Parts List ..... 970-VII  
 4603 (Factory No. 101475)—Schematic, Chassis Layout, Under Chassis Layout ..... 971-VII  
 4604 (Factory No. 101474)—Alignment, Service Data, Parts List ..... 970-VII  
 4605 (Factory No. 101,474)—Alignment, Service Data, Parts List ..... 972-VII  
 4606 (Factory No. 101,473)—Schematic, Operating Voltages ..... 1117-VII  
 4606 (Factory No. 101,473)—Alignment, Service Data, Speaker Connections ..... 1118-VII  
 4606 (Factory No. 101,473)—Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1119-VII  
 4607 (Factory No. 101,473)—Schematic, Operating Voltages ..... 1117-VII  
 4607 (Factory No. 101,473)—Alignment, Service Data, Speaker Connections ..... 1118-VII  
 4607 (Factory No. 101,473)—Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1119-VII  
 4608 (Factory No. 101,472)—Schematic, Operating Voltages ..... 1120-VII  
 4608 (Factory No. 101,472)—Alignment, Service Data, Speaker Connections ..... 1121-VII  
 4608 (Factory No. 101,472)—Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1122-VII  
 4609 (Factory No. 101,472)—Schematic, Operating Voltages ..... 1120-VII  
 4609 (Factory No. 101,472)—Alignment, Service Data, Speaker Connections ..... 1121-VII  
 4609 (Factory No. 101,472)—Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1122-VII  
 4611 (Factory No. 101,487) Schematic, Alignment, Operating Voltages, Service Data ..... 1413-VII  
 4611 (Factory No. 101,487) Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1414-VII  
 4619 (Factory No. 101,478) Alignment, Chassis Layout, Under Chassis Layout ..... 1258-VII  
 4620 (Factory No. 101,475)—Schematic, Chassis Layout, Under Chassis Layout ..... 969-VII  
 4620 (Factory No. 101,475)—Alignment, Service Data, Parts List ..... 970-VII  
 4621 (Factory No. 101,475)—Schematic, Chassis Layout, Under Chassis Layout ..... 969-VII  
 4621 (Factory No. 101,475)—Alignment, Service Data, Parts List ..... 970-VII  
 4624 (Factory No. 101,474)—Schematic, Chassis Layout, Under Chassis Layout ..... 971-VII  
 4624 (Factory No. 101,474)—Alignment, Service Data, Parts List ..... 972-VII  
 4625 (Factory No. 101,474)—Schematic, Chassis Layout, Under Chassis Layout ..... 971-VII

# INDEX

(Page 43)

**SEARS, ROEBUCK (Cont'd)**

4625 (Factory No. 101,474)— Alignment, Service Data, Parts List .....972-VII	Chassis Layout, Trimmer Locations, Parts List 1119-VII	4649 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4746 (Factory No. 101,473)— Alignment, Service Data, Speaker Connections 1118-VII
4626 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	4637 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	4650 (Factory No. 101,476) Schematic, Chassis Lay- out, Parts List .....1259-VII	4746 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1119-VII
4626 (Factory No. 101,473)— Alignment, Service Data Speaker Connections 1118-VII	4637 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1119-VII	4650 (Factory No. 101,476) Alignment, Chassis Lay- out, Under Chassis Lay- out, Trimmer Locations, Speaker Connections 1260-VII	4748 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII
4626 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1119-VII	4638 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	4660 (Factory No. 101,487) Schematic, Alignment, Operating Voltages, Service Data .....1413-VII	4748 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII
4627 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	4638 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections, 1121-VII	4660 (Factory No. 101,487) Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1414-VII	4748 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII
4627 (Factory No. 101,473)— Alignment, Service Data, Speaker Connections 1118-VII	4638 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4663 (Factory No. 100,158) Schematic, Alignment, Chassis Layout, Trimmer Locations .....1415-VII	4750 (Factory No. 101,476) Schematic, Chassis Lay- out, Parts List .....1259-VII
4627 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1119-VII	4639 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	4663 (Factory No. 100,158) Operating Voltages, Under Chassis Layout, Parts List .....1416-VII	4750 (Factory No. 101,476) Alignment, Chassis Lay- out, Under Chassis Lay- out, Trimmer Locations, Speaker Connections 1260-VII
4628 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	4639 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII	4720 (Factory No. 101,475)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....969-VII	4763 (Factory No. 100,158) Schematic, Alignment, Chassis Layout, Trimmer Locations .....1415-VII
4628 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII	4639 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4720 (Factory No. 101,475)— Alignment, Service Data, Parts List .....970-VII	4763 (Factory No. 100,158) Operating Voltages, Under Chassis Layout, Parts List .....1416-VII
4628 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4640 (Factory No. 101,476) Schematic, Chassis Lay- out, Parts List .....1259-VII	4724 (Factory No. 101,474)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....971-VII	7062 .....743-V
4629 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	4640 (Factory No. 101,476) Alignment, Chassis Lay- out, Under Chassis Lay- out, Trimmer Locations, Speaker Connections 1260-VII	4724 (Factory No. 101,474)— Alignment, Service Data, Parts List .....972-VII	7064 .....744-V
4629 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII	4646 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	4726 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	7065 .....755-V
4629 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4646 (Factory No. 101,473)— Alignment, Service Data, Speaker Connections 1118-VII	4726 (Factory No. 101,473)— Alignment, Service Data, Speaker Connections 1118-VII	7070 .....745-V
4630 (Factory No. 101,475)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....969-VII	4647 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	4726 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1119-VII	7071 .....745-V
4630 (Factory No. 101,475)— Alignment, Service Data, Parts List .....970-VII	4647 (Factory No. 101,473)— Alignment, Service Data, Speaker Connections 1118-VII	4728 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	7072 .....745-V
4631 (Factory No. 101,475)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....969-VII	4647 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1119-VII	4728 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII	7073 .....745-V
4631 (Factory No. 101,475)— Alignment, Service Data, Parts List .....970-VII	4647 (Factory No. 101,473)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4728 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	7074 .....745-V
4634 (Factory No. 101,474)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....971-VII	4648 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	4730 (Factory No. 101,475)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....969-VII	7075 .....774-V
4634 (Factory No. 101,474)— Alignment, Service Data, Parts List .....972-VII	4648 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII	4730 (Factory No. 101,475)— Alignment, Service Data, Parts List .....970-VII	7076 .....774-V
4635 (Factory No. 101,474)— Schematic, Chassis Lay- out, Under Chassis Lay- out .....971-VII	4648 (Factory No. 101,472)— Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List 1122-VII	4740 (Factory No. 101,476) Schematic, Chassis Lay- out, Parts List .....1259-VII	7077 .....774-V
4635 (Factory No. 101,474)— Alignment, Service Data, Parts List .....972-VII	4649 (Factory No. 101,472)— Schematic, Operating Voltages .....1120-VII	4740 (Factory No. 101,476) Alignment, Chassis Lay- out, Under Chassis Lay- out, Trimmer Locations, Speaker Connections 1260-VII	7078 .....774-V
4636 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	4649 (Factory No. 101,472)— Alignment, Service Data, Speaker Connections 1121-VII	4746 (Factory No. 101,473)— Schematic, Operating Voltages .....1117-VII	7090 .....750-V
4636 (Factory No. 101,473)— Alignment, Service Data, Speaker Connections 1118-VII			7090A .....751-V
4636 (Factory No. 101,473)— Chassis Layout, Under			7091 .....774-V
			7092 .....774-V
			7093 .....774-V
			7094 .....774-V
			7118 .....775-V
			7135—Schematic, Operating Voltages .....269-VII
			7140—Schematic, Operating Voltages .....269-VII
			7141—Schematic, Chassis Layout, Socket Voltages .....979-VI
			7142—Schematic, Chassis Layout, Socket Voltages .....979-VI
			7154—Chassis Layout, Schematic .....980-VI
			7158—Schematic, Chassis Layout .....981-VI
			7176—Schematic, Service Notes .....982-VI
			<b>SENTINEL RADIO CORP.</b>
			5 Tube Superhet .....776-V
			6A—Schematic, Trimmer Locations .....703-VII
			6A—Alignment, Operating Voltages .....704-VII
			7-Tube Band Pass .....495-II
			7-Tube Super .....493-II
			8-Tube Super .....494-Is
			8 .....346B-Is

# INDEX

(Page 44)

**SENTINEL RADIO (Cont'd)**

9	.....	346B-Is
10M—Schematic, Operating Voltages	.....	839-VII
10M—Alignment, Parts List	.....	840-VII
10MF—Schematic, Operating Voltages	.....	839-VII
10MF—Alignment, Parts List	.....	840-VII
11	.....	346A-Is
11M—Schematic	.....	841-VII
11M—Alignment, Operating Voltages	.....	842-VII
12	.....	346A-Is
14A—Schematic, Trimmer Locations	.....	973-VII
14A—Alignment, Operating Voltages, Parts List	.....	974-VII
15	.....	346A-Is
16	.....	346A-Is
19A—Schematic, Operating Voltages, Trimmer Locations	.....	1675-VII
20A—Schematic, Operating Voltages, Trimmer Locations	.....	559-VII
21U—Schematic, Operating Voltages, Trimmer Locations	.....	975-VII
21U—Alignment, Parts List	.....	976-VII
22U—Schematic, Operating Voltages, Trimmer Locations	.....	1123-VII
22U—Alignment, Parts List	.....	1124-VII
25A—Schematic, Operating Voltages, Trimmer Locations	.....	1261-VII
25A—Alignment, Parts List	.....	1262-VII
26A—Schematic, Operating Voltages, Trimmer Locations	.....	1263-VII
26A—Alignment, Parts List	.....	1264-VII
30A—Schematic, Operating Voltages	.....	1676-VII
31	.....	346B-Is
32B—Schematic	.....	1677-VII
33	.....	346B-Is
37B—Schematic	.....	1677-VII
38B—Schematic, Trimmer Locations	.....	1678-VII
39B—Schematic, Trimmer Locations	.....	1679-VII
47AE—Schematic, Operating Voltages, Trimmer Locations	.....	560-VII
48A—Schematic, Operating Voltages	.....	1680-VII
49B—Schematic, Operating Voltages, Trimmer Locations	.....	1681-VII
50	.....	324A-I
50B—Schematic, Operating Voltages, Trimmer Locations	.....	1682-VII
52A—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations	.....	1683-VII
52AE—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations	.....	1683-VII
53A—Schematic, Operating Voltages, Trimmer Locations	.....	1684-VII
53AE—Schematic, Operating Voltages, Trimmer Locations	.....	1684-VII
54A—Schematic, Operating Voltages, Trimmer Locations	.....	1685-VII
55U—Schematic, Operating Voltages, Trimmer Locations	.....	1686-VII
60B—Schematic, Alignment, Operating Voltages, Chassis Layout, Trimmer Locations	.....	1687-VII
63B—Schematic, Operating Voltages	.....	1688-VII
65B—Schematic, Operating Voltages, Trimmer Locations	.....	1689-VII
66B—Schematic, Operating Voltages, Trimmer Locations	.....	1690-VII
66BE—Schematic, Operating Voltages, Trimmer Locations	.....	1690-VII
70A—Schematic, Operating Voltages	.....	1691-VII
71U—Schematic, Operating Voltages	.....	1693-VII
104	.....	346A-Is
108A	.....	241-IV
109	.....	241-IV
114	.....	777-V
264	.....	242-IV
444	.....	495-Is, 348-Is
513	.....	243-IV
550	.....	244-IV
570	.....	778-V
590	.....	779-V
599	.....	780-V
602	.....	781-V
610	.....	245-IV
630	.....	782-V
634	.....	782-V
635	.....	782-V
660	.....	346-I
666C	.....	495A-Is, 346-I
1040	.....	783-V
5000	.....	784-V
5100	.....	784-V
5200	.....	785-V
5700	.....	786-V
6100	.....	787-V
6300	.....	788-V
6900—Schematic, Trimmer Locations	.....	1692-VII
7200—Schematic	.....	1694-VII

**SHELLEY RADIO COMPANY**

5 "Kompak"—Schematic	.....	272-VII
48—Schematic	.....	272-VII
65 Auto Radio—Schematic, Service Notes	.....	271-VII
67 Auto Radio—Schematic, Service Notes	.....	271-VII

**SHORT WAVE AND TELEVISION LAB.**

Baird Television Receiver	.....	376-II
---------------------------	-------	--------

**SILVER-MARSHALL, Inc.**

A	.....	382-II
D	.....	387-II
F	.....	388-II
G	.....	390-II
Q	.....	394A-Is
R	.....	394B-Is
SMD-1	.....	380-II
9-Tube Super, 1929	.....	268A-Is
30	.....	268-I
30-B	.....	378-I, 268G-Is
32A	.....	268C-Is
33-A	.....	268A-Is
34-A	.....	268B-Is
35-A	.....	268B-Is
36-A	.....	268C-Is
37	.....	268E-Is
38	.....	268E-Is
39	.....	268E-Is
60	.....	268-I
75	.....	268-I
95	.....	268-I

630	.....	268G-Is
677B	.....	394-II
679	.....	394-II
679B	.....	391-II
683	.....	383-II
684	.....	384-II
686	.....	389-II
690	.....	340-I
692	.....	385-II
712	.....	268D-Is
714	.....	268E-Is
716	.....	383-II
720	.....	59-I
722 AC	.....	286D-Is
722 DC	.....	379-II
724	.....	268D-Is
726 SW	.....	381-II
727 SW (Same as Q)	.....	394A-Is
737	.....	393-II
738	.....	392-II
739	.....	386-II
782-16	.....	377-II

**SILVER MARSHALL MFG. CO.**

Z-10	.....	789-V
Z13	.....	246-IV

**SILVERTONE**

See Sears, Roebuck &amp; Co.

**THE SIMPLEX RADIO CO.**

AA (Serial No. 650,001 Up) Schematic	.....	561-VII
C—A.C.-D.C. (Serial 750,001 Up)—Schematic	.....	103-VII
DB (Serial No. 775,001 Up) Schematic	.....	1265-VII
DF (Serial No. 775,001 Up) Schematic	.....	1265-VII
F	.....	790-V
H	.....	368-II
H-AC	.....	794-V
J	.....	791-V
K	.....	368-II
L	.....	394A-Is
N	.....	247-IV
N-DC	.....	247-IV
NTE5 A.C. (Serial 730,001 Up)—Schematic	.....	103-VII
P (Serial 645,001 Up)—Schematic	.....	105-VII
P-AC	.....	792-V
P—A.C.—Schematic	.....	104-VII
P—A.C. (Serial 162,500 Up) Schematic	.....	104-VII
P Battery Set (Serial 173,001 Up)—Schematic	.....	105-VII
P Battery	.....	793-V
PA (Serial No. 177,001 Up) Schematic, Alignment	.....	562-VII
PA (Serial No. 675,001 Up) Schematic	.....	1268-VII
PE (Serial No. 690,001 Up) Schematic	.....	1266-VII
PH (Serial No. 690,001 Up) Schematic	.....	1266-VII
PHE (Serial No. 690,001 Up) Schematic	.....	1266-VII
P-32V	.....	794-V
Q	.....	794-V
R—Schematic	.....	274-VII
R (Serial 175,001 Up)—Schematic	.....	274-VII
R (Serial No. 189,001 Up) Schematic	.....	561-VII
R-AC	.....	795-V
R-DC	.....	796-V
T	.....	797-V
U AC-DC	.....	798-V
V	.....	799-V
V All-Wave AC-DC	.....	800-V

W All-Wave	.....	801-V
X	.....	902-V
W (Serial 635,001 Up)—Schematic, Alignment	.....	273-VII
5DE (Serial No. 780,001 Up) Schematic	.....	1267-VII
5DK (Serial No. 780,001 Up) Schematic	.....	1267-VII
6GH (Serial No. 691,001 Up) Schematic	.....	1268-VII
8J All Wave (Serial No. 765,001 Up)—Schematic	.....	1265-VII

**SKYRIDER**

See Hallcrafters Inc.

**SLAGLE RADIO CO.**

See Continental Radio &amp; Tel. Corp.

**SONORA PHONOGRAPH CO., Inc.**

A-36	.....	268H-Is, 335-III
A-44	.....	313-III, 326-III
B-31	.....	274-I
E-AC	.....	268H-Is
Combination	.....	320-III
2-RP-25	.....	269-I
3-R	.....	270-I
3-RP	.....	271-I
4-R	.....	270-I
5-R	.....	272-I
7-P	.....	273-I
20	.....	335-III
30	.....	336-III
32	.....	336-III
36	.....	336-III
40	.....	335-III, 336-III
44	.....	300-III, 335-III, 336-III
46	.....	335-III, 336-III

**SPARKS-WITHINGTON COMPANY**

Sparks Ensemble	.....	280-I, 280A-Is
Sparton DC	.....	306-III
Sparton Tube Tables	.....	638-II
Tubes used in Sparton Receivers	.....	634-III
635-III, 636-III, 637-III	.....	249-IV
AC-7	.....	249-IV
AC-62	.....	249-IV
AC-63	.....	249-IV
AR-19	.....	396-II
AR-19A (Same as AR-19)	.....	396-II
AR-50	.....	831-V
AR-50A	.....	831-V
5	.....	397-II
5-15	.....	281-I
5-26	.....	281-I
6-15	.....	278-I
6-26	.....	278-I
7—Schematic	.....	984-VI
9	.....	397-II
9-30	.....	276-I
9A	.....	410-II
9X	.....	803-V
10	.....	403-II
12	.....	645-III
13	.....	803-V
14	.....	803-V
14A	.....	803-V
15	.....	408-II
15X	.....	803-V
16	.....	647-III
16AW Broadcast	.....	617-III
16AW Short Wave	.....	639-III, 640-III
17	.....	804-V

# INDEX

(Page 45)

**SPARKS-WITH'TON. (Cont'd)**

18 ..... 804-V  
 25 ..... 413-II  
 26 ..... 413-II  
 26AW Short Wave  
     639-III, 630-III  
 27 ..... 805-V  
 27A ..... 805-V  
 28 Triolian ..... 424R-II's  
 28X (Same as 17) ..... 804-V  
 30 ..... 407-II  
 30A ..... 407-II  
 30B ..... 407-II  
 30C—Schematic, Operating  
     Voltages ..... 436-VII  
 31 ..... 404-II  
 32 ..... 404-II  
 33 ..... 806-V  
 33A ..... 807-V  
 33B ..... 807-V  
 34 ..... 808-V  
 35 ..... 809-V  
 36 ..... 810-V  
 39 ..... 275-I  
 40 ..... 406-II, 310R-II's  
 40A (Same as 40) ..... 406-II, 310R-II's  
 41 ..... 654-III  
 41A ..... 811-V  
 42 ..... 812-V  
 43 ..... 813-V  
 43-S—Schematic, Operating  
     Voltages ..... 844-VII  
 43-S—Alignment ..... 845-VII  
 43-S-1600—Schematic,  
     Operating Voltages ..... 844-VII  
 43-S-1600—Alignment ..... 845-VII  
 43-S-2400—Schematic,  
     Operating Voltages ..... 844-VII  
 43-S-2400—Alignment ..... 845-VII  
 44P—Schematic, Operating  
     Voltages ..... 436-VII  
 44-P—Alignment ..... 845-VII  
 45 ..... 641-III  
 46-P—Schematic, Operating  
     Voltages, Trimmer Loca-  
     tions, Chassis Layout,  
     Resistance Data ..... 843-VII  
 46-P—Alignment ..... 845-VII  
 49 ..... 276-I  
 51 ..... 405-II  
 52 ..... 405-II  
 53 ..... 814-V  
 54 ..... 815-V  
 55 AC ..... 816-V  
 56 ..... 643-III  
 57 ..... 817-V  
 57A (Same as 57) ..... 817-V  
 57B (Same as 57) ..... 817-V  
 58—Schematic ..... 983-VI  
 60 Converter ..... 648-III  
 61 ..... 818-V  
 61A (Same as 61) ..... 818-V  
 61B (Same as 61) ..... 818-V  
 62—Schematic ..... 984-VI  
 63—Schematic, Operating  
     Voltages, Resistance Data  
     ..... 1695-VII  
 63AX—Schematic, Operating  
     Voltages, Resistance Data  
     ..... 1695-VII  
 65—Schematic, Parts List  
     ..... 563-VII  
 65—Operating Voltages,  
     Chassis Layout, Resistance  
     Chart ..... 564-VII  
 65T—Schematic ..... 985-VI  
 66—Schematic, Parts List  
     ..... 563-VII  
 66—Operating Voltages,  
     Chassis Layout, Resistance  
     Chart ..... 564-VII  
 66T—Schematic ..... 985-VI  
 67 ..... 819-V  
 68 ..... 819-V  
 68XS (Same as 68) ..... 819-V  
 69 ..... 279-I  
 70—Schematic ..... 986-VI  
 71 ..... 820-V  
 71B ..... 820-V  
 72 ..... 821-V

72-PQ—Schematic, Chassis  
     Layout, Trimmer Loca-  
     tions, Parts List ..... 846-VII  
 72-PQ—Operating Voltages,  
     Resistance Data ..... 848-VII  
 73—Schematic ..... 707-VII  
 73—Alignment ..... 708-VII  
 73—Operating Voltages  
     ..... 977-VII  
 73-AX—Schematic ..... 705-VII  
 73-AX—Alignment ..... 706-VII  
 73-AX—Operating Volt-  
     ages, Chassis Layout  
     ..... 977-VII  
 73-BX—Schematic ..... 705-VII  
 73-BX—Alignment ..... 706-VII  
 73-BX—Operating Volt-  
     ages, Chassis Layout  
     ..... 977-VII  
 74 ..... 822-V  
 75—Schematic ..... 847-VII  
 75—Operating Voltages,  
     Resistance Data ..... 848-VII  
 75A ..... 823-V  
 75AX—Schematic, Operating  
     Voltages, Service Data  
     ..... 1696-VII  
 76 ..... 824-V  
 77—Schematic ..... 986-VI  
 78 ..... 825-V  
 79 ..... 279-I  
 79 (Same as 89) ..... 279-I  
 79A ..... 279-I  
 80 ..... 826-V  
 81 ..... 827-V  
 82 ..... 828-V  
 83 ..... 826-V  
 84 ..... 826-V  
 85X ..... 826-V  
 85XS (Same as 85X) ..... 826-V  
 86X ..... 826-V  
 89 ..... 279-I  
 89A ..... 275-I, 345-III  
 99—Schematic, Operating  
     Voltages, Parts List  
     ..... 1125-VII  
 99—Assembly Diagram  
     ..... 1126-VII  
 101 ..... 649-III  
 103 ..... 398-II  
 104 ..... 829-V  
 105X (Same as 104) ..... 829-V  
 105XS (Same as 104) ..... 829-V  
 109 ..... 279-I  
 109 De Luxe ..... 279-I  
 110 ..... 281-I  
 111 (Same as 110) ..... 281-I  
 111A (Same as 574) ..... 401-II  
 111X ..... 804-V  
 134—Schematic ..... 987-VI  
 135 (Same as 104) ..... 829-V  
 136—Schematic ..... 987-VI  
 210 ..... 329-III  
 235 ..... 409-II  
 251—Schematic, Alignment,  
     Chassis Layout, Trim-  
     mer Locations ..... 275-VII  
 252—Schematic, Alignment,  
     Chassis Layout, Trimmer  
     Locations ..... 275-VII  
 301-AC ..... 280D-Is  
     ..... 300-III, 311-III  
 301-DC ..... 277-I  
 333 ..... 830-V  
 367—Schematic, Alignment,  
     Chassis Layout ..... 278-VII  
 400 ..... 323-III  
 410-AC ..... 411-II  
 410-DC ..... 400-II  
 417X—Schematic, Trimmer  
     Locations, Parts List  
     ..... 1127-VII  
 417X—Alignment, Operating  
     Voltages, Resistance Data  
     ..... 1128-VII  
 420-AC ..... 411-II  
 420-DC ..... 400-II  
 427X—Schematic, Operating  
     Voltages, Resistance Data,  
     Parts List ..... 1129-VII

427X—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 1130-VII  
 437X—Schematic, Operating  
     Voltages, Resistance Data,  
     Parts List ..... 1129-VII  
 437X—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 1130-VII  
 457X—Schematic, Operating  
     Voltages, Resistance Data,  
     Parts List ..... 1129-VII  
 457X—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 1130-VII  
 475A ..... 823-V  
 475AX—Schematic, Operating  
     Voltages, Service Data  
     ..... 1696-VII  
 478 ..... 825-V  
 478A ..... 823-V  
 478AX—Schematic, Operating  
     Voltages, Service Data  
     ..... 1696-VII  
 506—Schematic ..... 988-VI  
 516—Schematic,  
     Parts List ..... 989-VI  
 516X—Schematic,  
     Parts List ..... 989-VI  
 517—Schematic, Operating  
     Voltages, Resistance  
     Data, Parts List ..... 276-VII  
 517—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 277-VII  
 517B—Schematic, Operat-  
     ing Voltages, Resistance  
     Data, Parts List ..... 276-VII  
 517B—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 277-VII  
 517W—Schematic, Operat-  
     ing Voltages, Resistance  
     Data, Parts List ..... 276-VII  
 517W—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 277-VII  
 517X—Schematic, Operat-  
     ing Voltages, Resistance  
     Data, Parts List ..... 276-VII  
 517X—Alignments, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 277-VII  
 536—Schematic ..... 990-VI  
 536X—Schematic ..... 990-VI  
 537—Schematic, Chassis  
     Layout, Trimmer Loca-  
     tions, Parts List ..... 978-VII  
 537—Alignment ..... 979-VII  
 537—Operating Voltages,  
     Resistance Data ..... 982-VII  
 546X—Schematic,  
     Parts List ..... 989-VI  
 547X—Schematic, Chassis  
     Layout, Trimmer Loca-  
     tions, Parts List ..... 980-VII  
 547X—Alignment ..... 981-VII  
 547X—Alignment (Con-  
     tinued), Operating Volt-  
     ages, Resistance Data  
     ..... 982-VII  
 557—Schematic, Operating  
     Voltages, Resistance Data,  
     Parts List ..... 276-VII  
 557—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 277-VII  
 564 ..... 395-II  
 566 (Same as 506) ..... 988-VI  
 567—Schematic, Operating  
     Voltages, Resistance Data,  
     Parts List ..... 276-VII  
 567—Alignment, Chassis  
     Layout, Trimmer Loca-  
     tions ..... 277-VII  
 570 ..... 395-II  
 574 ..... 401-II  
 575 (Same as 475A) ..... 823-V  
 575B (Same as 475A) ..... 823-V

577—Schematic, Chassis  
     Layout, Trimmer Loca-  
     tions, Parts List ..... 978-VII  
 577—Alignment ..... 979-VII  
 577—Operating Voltages,  
     Resistance Data ..... 982-VII  
 578 ..... 398-II  
 589 ..... 280C-Is  
 591 ..... 414-II, 331-III  
 593 ..... 414-II  
 594—Schematic ..... 988-VI  
 600-AC ..... 412-II, 322-III  
 600-DC ..... 402-II  
 600A (Same as 9A) ..... 410-II  
 610-AC ..... 412-II  
 610-DC ..... 402-II  
 610A (Same as 9A) ..... 410-II  
 616—Schematic ..... 991-VI  
 616M—Schematic,  
     Parts List ..... 992-VI  
 616MX—Schematic,  
     Parts List ..... 992-VI  
 616X—Schematic ..... 991-VI  
 617—Schematic, Operating  
     Voltages, Chassis Layout,  
     Trimmer Locations, Parts  
     List ..... 1269-VII  
 617—Alignment ..... 1270-VII  
 617X—Schematic, Operat-  
     ing Voltages, Chassis Lay-  
     out, Trimmer Locations,  
     Parts List ..... 1269-VII  
 617X—Alignment ..... 1270-VII  
 620-AC ..... 412-II, 322-III  
 620-DC ..... 402-II  
 620A (Same as 9A) ..... 410-II  
 620X ..... 803-V  
 636MX—Schematic,  
     Parts List ..... 993-VI  
 655—Schematic,  
     Parts List ..... 994-VI  
 666—Schematic ..... 991-VI  
 666M—Schematic,  
     Parts List ..... 992-VI  
 666MX—Schematic,  
     Parts List ..... 992-VI  
 666X—Schematic ..... 991-VI  
 667—Schematic, Operating  
     Voltages, Chassis Layout,  
     Trimmer Locations, Parts  
     List ..... 1269-VII  
 667—Alignment ..... 1270-VII  
 667X—Schematic, Operat-  
     ing Voltages, Chassis Lay-  
     out, Trimmer Locations,  
     Parts List ..... 1269-VII  
 667X—Alignment ..... 1270-VII  
 685 (Same as 68) ..... 819-V  
 691 ..... 819-V  
 716X—Schematic,  
     Parts List ..... 995-VI  
 726X—Schematic,  
     Parts List ..... 996-VI  
 727-X—Schematic, Chassis  
     Layout, Trimmer Loca-  
     tions, Parts List ..... 1417-VII  
 727-X—Alignment, Trimmer  
     Locations (Cont'd)  
     ..... 1420-VII  
 727-X—Operating Voltages  
     ..... 1418-VII  
 727-XD—Schematic, Chassis  
     Layout, Trimmer Loca-  
     tions, Parts List ..... 1417-VII  
 727-XD—Alignment, Trim-  
     mer Locations (Cont'd)  
     ..... 1420-VII  
 727-XD—Operatng Voltages  
     ..... 1418-VII  
 737 ..... 399-II, 412-II,  
     321-III, 322-III  
 740 ..... 395-II, 321-III, 322-III  
 740-DC ..... 402-II  
 750 ..... 395-II  
 750A ..... 804-V  
 750X ..... 804-V  
 750-DC ..... 402-II  
 766—Schematic,  
     Parts List ..... 995-VI

# INDEX

(Page 46)

**SPARKS-WITH'NTON. (Cont'd)**

766X—Schematic, Parts List ..... 995-VI  
 766XP (Same as 766)..... 995-VI  
 766XS (Same as 766)..... 995-VI  
 775 (Same as 70)..... 986-VI  
 776—Schematic, Parts List ..... 996-VI  
 776X—Schematic, Parts List ..... 996-VI  
 776XP (Same as 776)..... 996-VI  
 776XS (Same as 776)..... 996-VI  
 785—Schematic ..... 997-VI  
 827-X—Schematic, Chassis Layout, Trimmer Locations, Parts List..... 1419-VII  
 827-X—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 827-X—Operating Voltages ..... 1418-VII  
 827-XD—Schematic, Chassis Layout, Trimmer Locations, Parts List..... 1419-VII  
 827-XD—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 827-XD—Operating Voltages ..... 1418-VII  
 835 (Same as 80)..... 826-V  
 867—Schematic, Chassis Layout, Trimmer Locations ..... 1698-VII  
 867—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 870 ..... 401-II  
 870A ..... 804-V  
 870X ..... 804-V  
 877-X—Schematic, Chassis Layout, Trimmer Locations, Parts List..... 1417-VII  
 877-X—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 877-X—Operating Voltages ..... 1418-VII  
 930 ..... 651-III  
 652-III, 653-III, 310-III  
 931-AC ..... 280B-Is  
 931-DC ..... 277-I, 300-III  
 966—Schematic, Parts List ..... 998-VI  
 966X (Same as 966)..... 998-VI  
 987—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 997-X—Schematic, Chassis Layout, Trimmer Locations, Parts List..... 1419-VII  
 997-X—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 997-X—Operating Voltages ..... 1418-VII  
 1016X—Schematic, Parts List ..... 999-VI  
 1066—Schematic, Parts List ..... 999-VI  
 1116X—Schematic, Parts List ..... 1000-VI  
 1166—Schematic, Parts List ..... 1000-VI  
 1166 XP (Same as 1166) ..... 1000-VI  
 1166 XS (Same as 1166) ..... 1000-VI  
 1167—Schematic ..... 1698-VII  
 1167—Alignment, Trimmer Locations (Cont'd) ..... 1420-VII  
 1176—Schematic, Parts List ..... 1000-VI  
 1176XP—Schematic, Parts List ..... 1000-VI  
 1176XS—Schematic, Parts List ..... 1000-VI  
 1186—Schematic, Parts List ..... 1000-VI  
 1196—Schematic, Parts List ..... 1000-VI

1466—Schematic, Parts List ..... 1001-VI  
 1476—Schematic, Parts List ..... 1001-VI

**SPARTON**

See Sparks-Withington Co.

**SPIEGEL, MAY, STERN CO.**

Melrose, same as Apex..... 306-I

**SPLITDORF ELECTRIC MFG. CO.**

M-5 ..... 322A-Is  
 M-6 ..... 322B-Is  
 PAD-4 ..... 322-I  
 R-100 ..... 322B-Is  
 R-200 ..... 322-I  
 RV-695 ..... 322A-Is  
 Abbey ..... 322-I  
 Inherently Electric ..... 322A-Is  
 171 ..... 324-I

**STAIRS-WINTERS CO.**

Television Receiver ..... 455C-Is

**STANDARD RADIO CORP.**

29 ..... 342-I

**STANDARD RADIO MFG.****CORP. Ltd. (Rogers)**

See also Rogers-Majestic, Ltd.

Advanced Chassis ..... 414A-Is  
 220 ..... 414B-Is  
 250 ..... 414C-Is  
 400 ..... 414C-Is  
 451 ..... 414E-Is  
 545 ..... 414F-Is  
 640 ..... 578C-Is  
 831 ..... 578C-Is

**STARCK RADIO CO.**

Starck ..... 345-III

**STEINITE RADIO CO.**

See also Jackson Radio &amp; Television Co.

Steinite ..... 345-III  
 10 ..... 282B-Is  
 15 ..... 415-II  
 22 ..... 416-II  
 26 ..... 417-II  
 28 ..... 418-II  
 40C Power Pack ..... 282A-Is  
 50A ..... 282-I  
 60 Power Pack ..... 282A-Is  
 70 ..... 282B-Is  
 80 ..... 282B-Is  
 95 ..... 282B-Is  
 102A ..... 822-I  
 102C Power Pack ..... 282A-Is  
 261 ..... 283-I  
 262 ..... 283-Is  
 991 ..... 283-I

992 ..... 283-I  
 993 ..... 283-I

**STENODE CORPORATION OF AMERICA**

Stenode Receiver ..... 419-II

**STERLING MFG. CO.**

4 ..... 284-I  
 5 D3A Receiver ..... 499D-II  
 517 Mutual Conductance Tester ..... 466-II  
 B ..... 268F-Is

**STEWART WARNER CORP.**

R-100 All Lettered Models ..... 290A-Is  
 R-101A ..... 423-II  
 R-101B ..... 423-II  
 R-102A ..... 254-IV  
 R-102B ..... 254-IV  
 R-102E ..... 254-IV  
 R-104 ..... 254-IV, 256-IV  
 R-106 ..... 257-IV, 258-IV  
 R-109A (Same as 109) ..... 252-IV, 253-IV  
 R-109B (Same as 109) ..... 252-IV, 253-IV  
 R-110 ..... 836-V  
 R-111 ..... 838-V  
 R-112 ..... 837-V  
 R-113 ..... 839-V  
 R-114 ..... 839-V  
 R-115 ..... 838-V  
 R-116 ..... 840-V  
 R-116 AL ..... 840-V  
 R-116X ..... 840-V  
 R-116XH ..... 840-V  
 R-116XL ..... 840-V  
 R-117 ..... 841-V  
 R-118—Schematic, Parts List ..... 279-VII  
 R-119 ..... 842-V  
 R-119A ..... 842-V  
 R-119EF ..... 842-V  
 R-120 ..... 843-V  
 R-123 ..... 844-V  
 R-125 ..... 845-V  
 R-126 ..... 846-V  
 R-127 ..... 847-V  
 R-146—Schematic, Operating Voltages, Parts List ..... 106-VII  
 R-146—Alignment, Trimmer Locations ..... 107-VII  
 R-148 Schematic, Operating Voltages, Phono Connections Parts List..... 108-VII  
 R-148—Alignment, Trimmer Locations ..... 109-VII  
 R-149—Schematic (1st half) Parts List ..... 280-VII  
 R-149—Schematic (2nd half) Operating Voltages, Phono Connections ..... 281-VII  
 R-149—Alignment, Chassis Layout, Trimmer Locations ..... 282-VII  
 R-161-D—Schematic, Operating Voltages, Parts List ..... 437-VII  
 R-161-D—Alignment, Trimmer Locations ..... 438-VII  
 R-162-D—Schematic, Operating Voltages, Parts List ..... 565-VII  
 R-162-D—Alignment, Trimmer Locations ..... 566-VII  
 R-163-D—Schematic, Parts List ..... 567-VII  
 R-163-D—Alignment, Operating Voltages, Trimmer Locations ..... 568-VII

R-164D—Schematic, Operating Voltages, Parts List ..... 709-VII  
 R-167-S—Schematic, Operating Voltages, Parts List ..... 849-VII  
 R-167-S—Alignment, Chassis Layout, Trimmer Locations ..... 850-VII  
 R-168—Schematic, Operating Voltages, Parts List ..... 849-VII  
 R-168—Alignment, Chassis Layout, Trimmer Locations ..... 850-VII  
 R-169—Schematic, Operating Voltages, Parts List ..... 851-VII  
 R-169—Alignment, Chassis Layout, Trimmer Locations ..... 852-VII  
 R-164D—Alignment ..... 710-VII  
 R171—Schematic, Operating Voltages, Parts List ..... 983-VII  
 R171—Alignment, Chassis Layout, Trimmer Locations ..... 984-VII  
 R172—Schematic, Operating Voltages, Parts List ..... 985-VII  
 R172—Alignment, Chassis Layout, Trimmer Locations ..... 986-VII  
 R173—Schematic, Operating Voltages, Phono Connections, Parts List ..... 987-VII  
 R173—Alignment, Chassis Layout, Trimmer Locations ..... 988-VII  
 R-180—Schematic, Operating Voltages, Parts List ..... 1699-VII  
 R-181—Schematic, Operating Voltages, Parts List ..... 1700-VII  
 R182—Schematic, Operating Voltages, Phonograph Connections, Parts List ..... 1421-VII  
 R182—Alignment, Chassis Layout, Trimmer Locations ..... 1422-VII  
 R183—Schematic, Operating Voltages, Parts List ..... 1423-VII  
 R183—Alignment, Chassis Layout, Trimmer Locations ..... 1424-VII  
 R-184—Schematic, Operating Voltages, Parts List ..... 1701-VII  
 R-188—Schematic, Operating Voltages, Parts List ..... 1702-VII  
 R-1322—Auto Radio, "Firestone"—Schematic, Parts List, Socket Voltage ..... 1006-VI  
 R-1332—Auto Set—Schematic, Socket Voltages, Parts List ..... 1007-VI  
 R-1431—Auto Radio, "Firestone"—Schematic, Parts List, Operating Voltages ..... 1017-VI  
 R1781 Auto Radio—Schematic, Operating Voltages, Parts List ..... 1131-VII  
 R1781 Auto Radio Alignment, Chassis Layout, Trimmer Locations ..... 1132-VII  
 Servicing with the Jewell 199 ..... 424P, Q-Is  
 SW Converter ..... 424-II  
 0200 ..... 832-V  
 0201 ..... 833-V  
 50, 51, 58 series 105, 424-O-Is

# INDEX

(Page 47)

**STEWART WARNER (Cont'd)**

100C ..... 834-V  
 100CF ..... 834-V  
 105 ..... 250-IV  
 108 ..... 251-IV  
 108X ..... 251-IV  
 109 ..... 252-IV, 253-IV  
 110 ..... 835-V  
 110B ..... 836-V  
 110E ..... 836-V  
 202A ..... 422-II  
 202B ..... 422-II  
 202E ..... 422-II  
 300 ..... 286-I  
 301A ..... 424-II  
 301B ..... 424-II  
 301E ..... 424-II  
 305 ..... 286-I  
 310 ..... 286-I  
 315 ..... 286-I  
 320 ..... 286-I  
 325 ..... 286-I  
 330 ..... 286-I  
 335 ..... 286-I  
 340 ..... 286-I  
 345 ..... 286-I  
 350 ..... 286-I  
 355 ..... 286-I  
 360 ..... 286-I  
 385 ..... 286-I  
 390 ..... 286-I  
 500 ..... 287-I  
 520 ..... 287-I  
 525 ..... 287-I  
 530 ..... 287-I, 288-I  
 535 ..... 287-I, 288-I  
 700 ..... 287-I  
 705 ..... 287-I  
 710 ..... 287-I  
 715 ..... 287-I, 288-I  
 720 ..... 287-I, 288-I  
 750 ..... 289-I  
 801 ..... 421-II  
 801 Series B ..... 288-I  
 801A Series B ..... 288-I  
 802 ..... 421-II  
 806 ..... 421-II  
 806 Series B ..... 288-I  
 811 ..... 288-I  
 811A ..... 288-I  
 900 ..... 394B-IIs, 291-I  
 950 Series Screen receivers—424A to 424M-IIs  
 950 Battery ..... 394B-IIs, 289-I  
 950-DC ..... 290-I  
 980 Battery (Same as 950 Battery) ..... 394B-IIs, 289-I  
 1090 to 1099 ..... 250-IV  
 1121 ..... 837-V  
 1171 ..... 841-V  
 1172 ..... 841-V  
 1181—Schematic, Parts List ..... 279-VII  
 1182—Schematic, Parts List ..... 279-VII  
 1183—Schematic, Parts List ..... 279-VII  
 1201 to 1209 ..... 843-V  
 1231 to 1239 ..... 844-V  
 1251 to 1259 ..... 845-V  
 1261 to 1269 ..... 846-V  
 1271 to 1279 ..... 847-V  
 1281D to 1289D (Chassis R-128D), Schematic, Parts List ..... 1002-VI  
 1301 to 1309 (Chassis R-130), Schematic, Socket Voltages, Parts List ..... 1003-VI  
 1301 to 1309 (Chassis R-130), Chassis Layout, Alignment ..... 1004-VI  
 1311 to 1319 (Chassis R-131), Schematic, Socket Voltages, Parts List ..... 1005-VI  
 1312 Auto Radio—Schematic, Operating Voltages, Parts List ..... 711-VII  
 1312 Auto Radio—Alignment ..... 712-VII

1341 to 1349 (Chassis R-134), Schematic, Socket Voltages, Parts List ..... 1008-VI  
 1361 to 1369 (Chassis R-136), Schematic, Socket Voltages, Parts List ..... 1009-VI  
 1371 to 1379 (Chassis R-137), Schematic (1st Half Diagram), Parts List ..... 1010-VI  
 1371 to 1379 (Chassis R-137), Schematic (2nd Half), Operating Voltages, Parts List, (continued) ..... 1011-VI  
 1381 to 1389 (Chassis R-138), Schematic, (1st Half), Parts List, Phonograph Connection ..... 1012-VI  
 1381 to 1389 (Chassis R-138), Schematic, (2nd Half), Operating Voltages, Parts List, (continued) ..... 1013-VI  
 1391D to 1399D (Chassis R-139D), Schematic, Parts List ..... 1014-VI  
 1401 to 1409 (Chassis R-140), Schematic, Parts List, Socket Voltages ..... 1015-VI  
 1421 to 1429 (Chassis R-142A & R-142AS), Schematic, Parts List, Socket Voltages ..... 1016-VI  
 1441 to 1449 (Chassis R-144AS), Schematic, Socket Voltages, Parts List ..... 1018-VI  
 1451 to 1459 (Chassis R-145), Schematic, Socket Voltages, Parts List ..... 1019-VI  
 1461 to 1469 (Chassis R-146) Schematic, Operating Voltages, Parts List ..... 106-VII  
 1461 to 1469 (Chassis R-146)—Alignment, Trimmer Locations ..... 107-VII  
 1471 to 1479 (Chassis R-147), Schematic, Socket Voltages, Parts List ..... 1020-VI  
 1481 to 1489 (Chassis R-148)—Schematic, Operating Voltages, Phono Connections, Parts List ..... 108-VII  
 1481 to 1489 (Chassis R-148)—Alignment, Trimmer Locations ..... 109-VII  
 1491 to 1499 (Chassis R-149)—Schematic (1st half), Parts List ..... 280-VII  
 1491 to 1499 (Chassis R-149)—Schematic (2nd half), Operating Voltages, Phonograph Connections ..... 281-VII  
 1491 to 1499 (Chassis R-149)—Alignment, Chassis Layout, Trimmer Locations ..... 282-VII  
 1601 to 1609 (Chassis R-160—Auto Radio), Schematic, Socket Voltages, Parts List ..... 1021-VI  
 1611D to 1619D—Schematic, Operating Voltages, Parts List ..... 437-VII  
 1611D to 1619D—Alignment, Trimmer Locations ..... 438-VII  
 1621-D to 1629-D—Schematic, Operating Voltages, Parts List ..... 565-VII  
 1621-D to 1629-D—Alignment, Trimmer Locations ..... 566-VII

1631-D to 1639-D—Schematic, Parts List ..... 567-VII  
 1631-D to 1639-D—Alignment, Operating Voltages, Trimmer Locations ..... 568-VII  
 1641D to 1649D—Schematic Operating Voltages, Parts List ..... 709-VII  
 1641D to 1649D—Alignment ..... 710-VII  
 1671 to 1689—Schematic, Operating Voltages, Parts List ..... 849-VII  
 1671 to 1689—Alignment, Chassis Layout, Trimmer Locations ..... 850-VII  
 1691 to 1695—Schematic, Operating Voltages, Parts List ..... 851-VII  
 1691 to 1695—Alignment, Chassis Layout, Trimmer Locations ..... 852-VII  
 1711 to 1719—Schematic, Operating Voltages, Parts List ..... 983-VII  
 1711 to 1719—Alignment, Chassis Layout, Trimmer Locations ..... 984-VII  
 1721 to 1729—Schematic, Operating Voltages, Parts List ..... 985-VII  
 1721 to 1729—Alignment, Chassis Layout, Trimmer Locations ..... 986-VII  
 1731 to 1739—Schematic, Operating Voltages, Phono. Connections, Parts List ..... 987-VII  
 1731 to 1739—Alignment, Chassis Layout, Trimmer Locations ..... 989-VII  
 1801 to 1809—Schematic, Operating Voltages, Parts List ..... 1699-VII  
 1811 to 1819—Schematic, Operating Voltages, Parts List ..... 1700-VII  
 1821 to 1829—Schematic, Operating Voltages, Phonograph Connections, Parts List ..... 1421-VII  
 1821 to 1829—Alignment, Chassis Layout, Trimmer Locations ..... 1422-VII  
 1831 to 1839—Schematic, Operating Voltages, Parts List ..... 1423-VII  
 1831 to 1839—Alignment, Chassis Layout, Trimmer Locations ..... 1424-VII  
 1841 to 1849—Schematic, Operating Voltages, Parts List ..... 1701-VII  
 1881 to 1889—Schematic, Operating Voltages, Parts List ..... 1702-VII

1A ..... 435-II  
 1B ..... 298-I  
 10 ..... 432-II, 433-II, 311-III, 321-III, 335-III  
 11 ..... 432-II, 433-II, 434-II, 311-III, 321-III, 335-III  
 12 ..... 300B-Is, 335-III  
 14 ..... 300A-Is, B-Is, 335-III  
 16 ..... 430-II, 431-II  
 17DC (Same as 16) ..... 430-II, 431-II  
 19 ..... 429-II, 334-III  
 20 ..... 439-II, 334-III  
 22 ..... 428-II, 331-III  
 22A (Same as 22) ..... 428-II, 331-III  
 24 (Same as 22) ..... 428-II, 331-III  
 25 ..... 427-II, 327-III  
 26 ..... 427-II, 327-III  
 27 ..... 434A-IIs, B-IIs  
 29 ..... 434C-IIs, D-IIs, 310-O-IIs  
 33 Auto Set ..... 848-V  
 33A Auto Set ..... 849-V  
 35—Schematic ..... 283-VII  
 36—Schematic ..... 283-VII  
 37 ..... 860-V  
 38 ..... 655-III, 656-III, 657-III, 658-III  
 39 ..... 655-III, 656-III, 657-III, 658-III  
 40 ..... 655-III, 656-III, 657-III, 658-III  
 41 ..... 655-III, 656-III, 657-III, 658-III  
 42—Schematic ..... 283-VII  
 48 ..... 259-IV, 260-IV, 261-IV, 262-IV, 263-IV  
 49 ..... 259-IV, 260-IV, 261-IV, 262-IV, 263-IV  
 50 ..... 259-IV, 260-IV, 261-IV, 262-IV, 263-IV  
 51 ..... 259-IV, 260-IV, 261-IV, 262-IV, 263-IV  
 52 ..... 851-V  
 54 ..... 851-V  
 55 Tel-lek-tor-et ..... 862-V  
 56 Tel-lek-tor-et ..... 862-V  
 58—Schematic, Socket Voltages ..... 1022-VI  
 60 ..... 853-V  
 61 (AC Set), Schematic, Socket Voltages ..... 1023-VI  
 61 (AC-DC), Schematic, Socket Voltages ..... 1024-VI  
 62—Schematic, Socket Voltages, Trimmers ..... 1025-VI  
 63—Schematic, Socket Voltages, Trimmers ..... 1025-VI  
 64 ..... 854-V  
 65—Schematic, Socket Voltages ..... 1026-VI  
 66—Schematic, Socket Voltages ..... 1026-VI  
 67—Schematic, Socket Voltages ..... 1026-VI  
 68 All-Wave ..... 855-V  
 68X (Same as 68) ..... 855-V  
 69 All Wave ..... 856-V  
 70—Schematic ..... 1027-VI  
 70—Wiring Diagram ..... 1028-VI  
 70—Socket Voltages, Trimmers ..... 1029-VI  
 70—Alignment ..... 1030-VI  
 70—Service Notes on "Te-lektor" ..... 1031-VI  
 70—Service Notes on "Te-lektor" (cont'd) ..... 1032-VI  
 70—Service Notes on "Te-lektor" (cont'd) ..... 1033-VI  
 70—Service Notes on "Te-lektor" (cont'd) ..... 1034-VI

**STORY & CLARK RADIO CORP.**

36 ..... 290B-Is  
 43 ..... 290B-Is  
 51 ..... 290B-Is

**STRATFORD RADIO CO.**

38 ..... See Balkeit—Model 38  
 48 ..... See Balkeit—Model 48  
 59 ..... See Balkeit—Model 59

**STROMBERG-CARLSON TELEPHONE MFG. CO.**

D-968 ..... 292-1  
 Police Radio ..... 659-III, 660-III, 661-III

# INDEX

(Page 48)

- STROM-CARLSON (Cont'd)**
- 70—Service Notes on "Te-lektor" (cont'd) 1035-VI
- 70—Service Notes on "Te-lektor" (cont'd) 1036-VI
- 70—Service Notes on "Te-lektor" (concluded) 1037-VI
- 72—Schematic 1027-VI
- 72—Wiring Diagram 1028-VI
- 72—Socket Voltages 1029-VI
- 72—Alignment 1030-VI
- 72—Service Notes on "Te-lektor" 1031-VI
- 72—Service Notes on "Te-lektor" (cont'd) 1032-VI
- 72—Service Notes on "Te-lektor" (cont'd) 1033-VI
- 72—Service Notes on "Te-lektor" (cont'd) 1034-VI
- 72—Service Notes on "Te-lektor" (cont'd) 1035-VI
- 72—Service Notes on "Te-lektor" (cont'd) 1036-VI
- 72—Service Notes on "Te-lektor" (concluded) 1037-VI
- 74—Schematic 1027-VI
- 74—Wiring Diagram 1028-VI
- 74—Socket Voltages 1029-VI
- 74—Alignment 1030-VI
- 74—Service Notes on "Te-lektor" 1031-VI
- 74—Service Notes on "Te-lektor" (cont'd) 1032-VI
- 74—Service Notes on "Te-lektor" (cont'd) 1033-VI
- 74—Service Notes on "Te-lektor" (cont'd) 1034-VI
- 74—Service Notes on "Te-lektor" (cont'd) 1035-VI
- 74—Service Notes on "Te-lektor" (cont'd) 1036-VI
- 74—Service Notes on "Te-lektor" (concluded) 1037-VI
- 80—Schematic, Socket Voltages, Trimmers 1038-VI
- 82—Schematic, Socket Voltages, Trimmers 1039-VI
- 83—Schematic, Socket Voltages, Trimmers 1040-VI
- 84—Schematic, Socket Voltages, Trimmers 1041-VI
- 115—Schematic, Socket Voltages, Trimmers 1042-VI
- 125—Schematic, Parts List 1043-VI
- 125—Wiring Diagram 1044-VI
- 125—Alignment, Socket Voltages, Trimmers 1045-VI
- 126 A.C.-D.C.—Schematic Parts List 284-VII
- 126 A.C.-D.C.—Chassis Layout, Under Chassis Layout, Trimmer Locations 285-VII
- 126 A.C.-D.C.—Alignment, Operating Voltages 286-VII
- 126-H—Schematic, Parts List 1703-VII
- 126-L—Schematic, Parts List 1703-VII
- 127 AC-DC—Schematic, Parts List 439-VII
- 127 AC-DC—Alignment, Operating Voltages, Trimmer Locations 440-VII
- 127-H—Schematic, Parts List 1704-VII
- 127-M—Schematic, Parts List 1704-VII
- 130 Series—Schematic, Parts List 1046-VI
- 130 Series—Chassis Layout, Socket Voltages, Trimmers 1047-VI
- 130 Series—Wiring Diagram 1048-VI
- 130 Series—Alignment, Socket Voltages 1049-VI
- 130 Series—Schematic, Trimmer Locations, Parts List 110-VII
- 130 Series—Alignment, Operating Voltages 111-VII
- 140 Series—Schematic, Parts List 441-VII
- 140 Series—Alignment, Operating Voltages, Trimmer Locations 442-VII
- 140-H—Schematic, Parts List 1705-VII
- 140-HB—Schematic, Parts List 1705-VII
- 140-K—Schematic, Parts List 1705-VII
- 140-KB—Schematic, Parts List 1705-VII
- 140-L—Schematic, Part List 1705-VII
- 140-LB—Schematic, Parts List 1705-VII
- 140-P—Schematic, Parts List 1705-VII
- 140-PB—Schematic, Parts List 1705-VII
- 145—Schematic, Parts List 112-VII
- Chassis Layout, Trimmer Locations 114-VII
- 145—Wiring Diagram 113-VII
- 145—Chassis Layout, Under Voltages 115-VII
- 150—Schematic, Operating Voltages, Trimmer Locations 569-VII
- 150—Alignment, Operating Voltages, Parts List 570-VII
- 160L—Schematic, Operating Voltages, Trimmer Locations 571-VII
- 160L—Wiring Diagram 573-VII
- 160L—Alignment, Operating Voltages, Parts List 572-VII
- 160LB—Schematic, Operating Voltages, Trimmer Locations 571-VII
- 160LB—Wiring Diagram 573-VII
- 160LB—Alignment, Operating Voltages, Parts List 572-VII
- 160P—Schematic, Operating Voltages, Trimmer Locations 571-VII
- 160P—Wiring Diagram 573-VII
- 160P—Alignment, Operating Voltages, Parts List 572-VII
- 160PB—Schematic, Operating Voltages, Trimmer Locations 571-VII
- 160PB—Wiring Diagram 573-VII
- 160PB—Alignment, Operating Voltages, Parts List 572-VII
- 180L—Schematic, Operating Voltages, Trimmer Locations 574-VII
- 180L—Wiring Diagram 576-VII
- 180L—Alignment, Operating Voltages, Parts List 575-VII
- 180LB—Schematic, Operating Voltages, Trimmer Locations 574-VII
- 180LB—Wiring Diagram 576-VII
- 180LB—Alignment, Operating Voltages, Parts List 575-VII
- 225 AC-DC Set—Schematic, Parts List 853-VII
- 225 AC-DC Set—Wiring Diagram 855-VII
- 225 AC-DC Set—Alignment, Operating Voltages, Trimmer Locations 854-VII
- 225 AC-DC Set—Continuity Test Chart 856-VII
- 228H—Schematic, Trimmer Locations, Parts List 989-VII
- 228H—Wiring Diagram 990-VII
- 228H—Alignment, Operating Voltages, Trimmer Locations 991-VII
- 228HB—Schematic, Trimmer Locations, Parts List 989-VII
- 228HB—Wiring Diagram 990-VII
- 228HB—Alignment, Operating Voltages, Trimmer Locations 991-VII
- 228L—Schematic, Trimmer Locations, Parts List 989-VII
- 228L—Wiring Diagram 990-VII
- 228L—Alignment, Operating Voltages, Trimmer Locations 991-VII
- 228LB—Schematic, Trimmer Locations, Parts List 989-VII
- 228LB—Wiring Diagram 990-VII
- 228LB—Alignment, Operating Voltages, Trimmer Locations 991-VII
- 229P—Schematic, Trimmer Locations, Parts List 992-VII
- 229P—Wiring Diagram 993-VII
- 229P—Alignment, Operating Voltages 994-VII
- 229PB—Schematic, Trimmer Locations, Parts List 992-VII
- 229PB—Wiring Diagram 993-VII
- 229PB—Alignment, Operating Voltages 994-VII
- 229PD—Schematic, Trimmer Locations, Parts List 992-VII
- 229PD—Wiring Diagram 993-VII
- 229PD—Alignment, Operating Voltages 994-VII
- 229PE—Schematic, Trimmer Locations, Parts List 992-VII
- 229PE—Wiring Diagram 993-VII
- 229PE—Alignment, Operating Voltages 994-VII
- 230 Series—Schematic, Operating Voltages 1133-VII
- 230 Series—Wiring Diagram, Parts List 1134-VII
- 230 Series—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 230 Series—Parts List (Continued) 1135-VII
- 230-H—Schematic, Operating Voltages 1133-VII
- 230-H—Wiring Diagram, Parts List 1134-VII
- 230-H—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 230-H—Parts List (Continued) 1135-VII
- 230-HB—Schematic, Operating Voltages 1133-VII
- 230-HB—Wiring Diagram, Parts List 1134-VII
- 230-HB—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 230-HB—Parts List (Continued) 1135-VII
- 230-L—Schematic, Operating Voltages 1133-VII
- 230-L—Wiring Diagram, Parts List 1134-VII
- 230-L—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 230-L—Parts List (Continued) 1135-VII
- 230-LB—Schematic, Operating Voltages 1133-VII
- 230-LB—Wiring Diagram, Parts List 1134-VII
- 230-LB—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 230-LB—Parts List (Continued) 1135-VII
- 231 Series—Schematic, Operating Voltages 1133-VII
- 231 Series—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 231 Series—Parts List 1134-VII
- 231 Series—Wiring Diagram, Parts List (Continued) 1135-VII
- 231-F—Schematic, Operating Voltages 1133-VII
- 231-F—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 231-F—Parts List 1134-VII
- 231-F—Wiring Diagram, Parts List (Continued) 1135-VII
- 231-FB—Schematic, Operating Voltages 1133-VII
- 231-FB—Alignment, Operating Voltages, Trimmer Locations 1136-VII
- 231-FB—Parts List 1134-VII
- 231-FB—Wiring Diagram, Parts List (Continued) 1135-VII



# INDEX

(Page 49)

**STROM-CARLSON (Cont'd)**

231-P—Schematic, Operating Voltages .....1133-VII  
 231-P—Alignment, Operating Voltages, Trimmer Locations .....1136-VII  
 231-P—Parts List .....1134-VII  
 231-P—Wiring Diagram, Parts List (Continued) .....1135-VII  
 231-PB—Schematic, Operating Voltages .....1133-VII  
 231-PB—Alignment, Operating Voltages, Trimmer Locations .....1136-VII  
 231-PB—Parts List .....1134-VII  
 231-PB—Wiring Diagram, Parts List (Continued) .....1135-VII  
 231-R—Schematic, Operating Voltages .....1133-VII  
 231-R—Alignment, Operating Voltages, Trimmer Locations .....1136-VII  
 231-R—Parts List .....1134-VII  
 231-R—Wiring Diagram, Parts List (Continued) .....1135-VII  
 231-RB—Schematic, Operating Voltages .....1133-VII  
 231-RB—Alignment, Operating Voltages, Trimmer Locations .....1136-VII  
 231-RB—Parts List .....1134-VII  
 231-RB—Wiring Diagram, Parts List (Continued) .....1135-VII  
 240-H—Schematic, Trimmer Locations .....1271-VII  
 240-H—Wiring Diagram .....1272-VII  
 240-H—Alignment, Operating Voltages .....1273-VII  
 240-H—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-HB—Schematic, Trimmer Locations .....1271-VII  
 240-HB—Wiring Diagram .....1272-VII  
 240-HB—Alignment, Operating Voltages .....1273-VII  
 240-HB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-L—Schematic, Trimmer Locations .....1271-VII  
 240-L—Wiring Diagram .....1272-VII  
 240-L—Alignment, Operating Voltages .....1273-VII  
 240-L—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-LB—Schematic, Trimmer Locations .....1271-VII  
 240-LB—Wiring Diagram .....1272-VII  
 240-LB—Alignment, Operating Voltages .....1273-VII  
 240-LB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-M—Schematic, Trimmer Locations .....1271-VII  
 240-M—Wiring Diagram .....1272-VII  
 240-M—Alignment, Operating Voltages .....1273-VII  
 240-M—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-MB—Schematic, Trimmer Locations .....1271-VII  
 240-MB—Wiring Diagram .....1272-VII  
 240-MB—Alignment, Operating Voltages .....1273-VII  
 240-MB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-P—Schematic, Trimmer Locations .....1271-VII  
 240-P—Wiring Diagram .....1272-VII  
 240-P—Alignment, Operating Voltages .....1273-VII  
 240-P—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-PB—Schematic, Trimmer Locations .....1271-VII  
 240-PB—Wiring Diagram .....1272-VII  
 240-PB—Alignment, Operating Voltages .....1273-VII  
 240-PB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-R—Schematic, Trimmer Locations .....1271-VII  
 240-R—Wiring Diagram .....1272-VII  
 240-R—Alignment, Operating Voltages .....1273-VII  
 240-R—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-RB—Schematic, Trimmer Locations .....1271-VII  
 240-RB—Wiring Diagram .....1272-VII  
 240-RB—Alignment, Operating Voltages .....1273-VII  
 240-RB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-S—Schematic, Trimmer Locations .....1271-VII  
 240-S—Wiring Diagram .....1272-VII  
 240-S—Alignment, Operating Voltages .....1273-VII  
 240-S—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-SB—Schematic, Trimmer Locations .....1271-VII  
 240-SB—Wiring Diagram .....1272-VII  
 240-SB—Alignment, Operating Voltages .....1273-VII  
 240-SB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-W—Schematic, Trimmer Locations .....1271-VII  
 240-W—Wiring Diagram .....1272-VII  
 240-W—Alignment, Operating Voltages .....1273-VII  
 240-W—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII  
 240-WB—Schematic, Trimmer Locations .....1271-VII  
 240-WB—Wiring Diagram .....1272-VII  
 240-WB—Alignment, Operating Voltages .....1273-VII  
 240-WB—Alignment (Continued), Trimmer Locations, Parts List .....1274-VII

250 Series—Schematic .....1275-VII  
 250 Series—Alignment, Operating Voltages .....1277-VII  
 250 Series—Alignment (Continued), Phonograph Connections, Parts List .....1278-VII  
 250 Series—Trimmer Locations .....1276-VII  
 250-L—Schematic .....1275-VII  
 250-L—Alignment, Operating Voltages .....1277-VII  
 250-L—Alignment (Continued), Phonograph Connections, Parts List .....1278-VII  
 250-L—Trimmer Locations .....1276-VII  
 250-LB—Schematic .....1275-VII  
 250-LB—Alignment, Operating Voltages .....1277-VII  
 250-LB—Alignment (Continued), Phonograph Connections, Parts List .....1278-VII  
 250-LB—Trimmer Locations .....1276-VII  
 255—Schematic .....1425-VII  
 255—Wiring Diagram .....1426-VII  
 255—Alignment, Operating Voltages .....1427-VII  
 255—Trimmer Locations, Flash Tuning Data .....1428-VII  
 260-L—Schematic .....1706-VII  
 260-LB—Schematic .....1706-VII  
 260-P—Schematic .....1706-VII  
 260-PB—Schematic .....1706-VII  
 403 .....298-1  
 403A .....298-1  
 403AA .....296-1  
 403B .....296-1  
 404RA .....296-1  
 404RAC .....296-1  
 501 .....299-I, 334-III  
 502 .....299-1, 334-III  
 523-DC .....292-I, 298-III  
 524-DC .....292-I  
 601 .....297-I, 334-III  
 602 .....297-1, 334-III  
 633 .....300-I, 334-III  
 634 .....300-I, 334-III  
 635 .....292-I, 296-III, 298-III, 300-III, 334-III  
 635-AC .....310-III  
 635-DC .....297-I  
 636 .....292-I, 296-III, 300-III, 334-III  
 638A .....300A-Is  
 638B .....300A-Is  
 638-DC .....294-I  
 641 .....293-1, 304-III, 325-III, 334-III  
 642 .....293-1, 304-III, 321-III, 325-III, 334-III  
 642-AC .....311-III  
 645 .....425-II, 426-II  
 652 .....294-1, 325-III, 334-III  
 654 .....294-1, 314-III, 321-III, 335-III  
 734 .....298-III  
 734B .....300-I  
 744B .....299-I

846 .....295-I, 304-III, 311-III, 334-III

**STUDERBAKER LABORATORIES**

31 .....436-II  
 42 .....439-II

**SUPREME INSTRUMENTS CORP.**

AAA-1 .....447-II  
 Ohmmeter .....449-II  
 Tube Checker .....449A-II  
 70 Oscillator .....449-II  
 55 Tube Tester .....857-V  
 10 Tester .....448-II  
 333 Set Analyzer .....858-V

## T

**L. TATRO PRODUCTS CORP.**

Governor .....864-V  
 Lieut. Governor .....864-V  
 Mayor .....861-V  
 President .....860-V  
 Recorder .....865-V  
 Senator .....861-V  
 A525—Schematic, Operating Voltages .....116-VII  
 AK-54 .....861-V  
 AM-54 .....861-V  
 B525—Schematic, Operating Voltages .....116-VII  
 C625—Schematic, Operating Voltages, Parts List .....577-VII  
 D625—Schematic, Operating Voltages, Parts List .....577-VII  
 EN-6-4—Schematic, Alignment, Parts List .....1279-VII  
 F725—Schematic, Operating Voltages, Parts List .....578-VII  
 FN66—Schematic .....117-VII  
 GN66—Schematic .....117-VII  
 H465—Schematic, Operating Voltages, Parts List .....1280-VII  
 K-54 .....862-V  
 L-54 .....863-V  
 L-74 .....864-V  
 M-54 .....862-V  
 N-54 .....863-V  
 NH-44 .....862-V  
 N-74 .....864-V  
 O-4626—Schematic, Parts List .....1707-VII  
 P-54 .....865-V  
 P4626—Schematic, Parts List .....1707-VII  
 W6236—Schematic, Parts List .....1708-VII  
 X6236—Schematic, Parts List .....1708-VII  
 Y6236—Schematic, Parts List .....1708-VII  
 084 .....859-V  
 094 .....860-V

# INDEX

(Page 50)

- L. TATRO PROD. (Cont'd)**  
 I465—Schematic, Operating Voltages, Parts List 1280-VII
- TELEPHONE MAINTENANCE CO.**  
 Telmaco P-1 ..... 358-I
- TEMPLE CORPORATION**  
 8-60 ..... 301-I, 340-III  
 8-61 ..... 302-I  
 8-80 ..... 301-I, 340-III  
 8-81 ..... 302-I  
 8-90 ..... 301-I, 340-III  
 8-91 ..... 302-I
- THORDARSON ELECTRIC MFG. CO.**  
 Class B Amplifier ..... 264-IV, 265-IV, 266-IV, 267-IV
- TRANSFORMER CORP. OF AMERICA**  
 A60—Schematic ..... 580-VII  
 AM20—Schematic ..... 580-VII  
 TC-1—Schematic, Socket Voltages ..... 1050-VI  
 TC1 Clarion—Schematic, Operating Voltages ..... 118-VII  
 TC-2—Schematic, Socket Voltages ..... 1050-VI  
 TC2 Clarion—Schematic, Operating Voltages ..... 118-VII  
 TC-6—Schematic, Alignment ..... 1051-VI  
 TC-10—Schematic, Alignment, Socket Voltages ..... 1052-VI  
 TC-20—Schematic, Socket Voltages, Alignment ..... 1053-VI  
 TC-21—Schematic, Socket Voltages, Alignment ..... 1053-VI  
 TC-22—Schematic ..... 1054-VI  
 TC-23—Schematic ..... 1054-VI  
 TC-24—Schematic ..... 1054-VI  
 TC-25 (Same as TC-22) ..... 1054-VI  
 TC-26—Schematic ..... 1054-VI  
 TC-27—Schematic ..... 1054-VI  
 TC-28—Schematic, Alignment, Socket Voltages ..... 1055-VI  
 TC-29—Schematic, Alignment, Socket Voltages ..... 1055-VI  
 TC-30—Schematic ..... 579-VII  
 TC-31—Alignment, Schematic, Parts List ..... 1056-VI  
 TC-35A (Same as TC-35LW) ..... 1057-VI  
 TC-35LW—Schematic ..... 1057-VI  
 TC-36—Schematic, Alignment ..... 1058-VI  
 TC-36A—Schematic ..... 1059-VI  
 TC-36LW—Schematic ..... 1059-VI  
 TC-37—Schematic, Alignment ..... 1060-VI  
 TC-37A—Schematic ..... 1061-VI  
 TC-37LW—Schematic ..... 1061-VI  
 TC-38—Schematic, Alignment ..... 1062-VI  
 TC-39—Schematic, Alignment ..... 1063-VI  
 TC-39A—Schematic ..... 1054-VI  
 TC-39LW—Schematic ..... 1054-VI  
 TC-42—Schematic, Alignment ..... 1064-VI  
 TC-43—Schematic, Alignment ..... 1064-VI  
 TC-44—Schematic, Alignment ..... 1064-VI  
 TC-50—Schematic ..... 580-VII  
 TC-52—Schematic, Parts List ..... 579-VII  
 TC-53A—Schematic ..... 1065-VI  
 TC-60—Schematic, Alignment ..... 1066-VI  
 TC-65—Schematic, Alignment ..... 1067-VI  
 TC-66—Schematic ..... 1068-VI  
 TC-75—Schematic ..... 1069-VI  
 TC-76—Schematic ..... 1069-VI  
 25-51 ..... 328-I  
 25-53 ..... 328-I  
 25-55 ..... 328-I  
 25-90 ..... 328A-Is  
 25-91 ..... 328A-Is  
 25-94 ..... 458-II, 459-II  
 25-160 ..... 870-V  
 25-240 ..... 871-V  
 25-260 ..... 669-III  
 25-280 ..... 872-V  
 40 ..... 456-II, 457-II, 463-II, 329-III  
 51 ..... 328-I  
 53 ..... 328-I  
 55 ..... 328-I  
 60 ..... 355-I  
 61 ..... 460-II, 462-II  
 70 ..... 460-II, 461-II, 462-II  
 80 ..... 465-II  
 83 ..... 466-II  
 84 ..... 662-III, 663-III, 664-III  
 85 ..... 662-III, 663-III, 664-III  
 90 ..... 464-II, 328A-Is  
 91 ..... 328A-Is  
 91A ..... 328A-Is  
 92 ..... 467-II  
 94 ..... 458-II, 459-II  
 100 ..... 665-III, 666-III, 667-III  
 120 ..... 668-III  
 160AVC ..... 182J-1Is  
 160-AC ..... 870-V  
 200 Series Short Wave ..... 468A to 468G-1Is, 468H to 468P-1Is  
 220 ..... 871-V  
 240-AC ..... 669-III, 670-III, 672-III  
 260 ..... 674-III  
 280 ..... 872-V  
 280-AC ..... 268-IV, 269-IV, 270-IV, 271-IV, 272-IV, 273-IV  
 300 ..... 866-V  
 320 ..... 867-V  
 340 ..... 867-V  
 400 AC-DC ..... 868-V  
 422 AC-DC ..... 868-V  
 423 AC-DC ..... 868-V  
 470 ..... 868-V  
 472 (Same as 470) ..... 868-V  
 480 ..... 869-V
- TRAV-LER RADIO & TELEVISION CORP.**  
 AC Power Pack ..... 332-I  
 DC Power Pack ..... 332-I
- K**  
 SG-AVC Super ..... 452-II  
 SG-AC ..... 455-II  
 SG-DC ..... 451-II  
 S9—Super ..... 455-II  
 Trav-lette ..... 454-II  
 6 ..... 332-I  
 7 ..... 332-I  
 8 Super ..... 453-II  
 64 Auto Radio—Schematic ..... 1001-VII  
 75 Auto Radio—Schematic ..... 1001-VII  
 131—Schematic, Chassis Layout, Trimmer Locations, Parts List ..... 1002-VII  
 135—Schematic, Chassis Layout, Parts List ..... 1716-VII  
 135M—Schematic, Chassis Layout, Parts List ..... 1716-VII  
 521—Schematic, Chassis Layout, Parts List ..... 1715-VII  
 522—Schematic, Chassis Layout, Parts List ..... 1715-VII  
 550—Schematic, Chassis Layout, Parts List ..... 1716-VII  
 635—Schematic, Chassis Layout, Parts List ..... 1716-VII  
 635M—Schematic, Chassis Layout, Parts List ..... 1716-VII
- TRIPLET ELECTRICAL INSTRUMENT CO.**  
 1125 Tester ..... 373-V  
 1150 Oscillator ..... 373-V
- TROY RADIO MANUFACTURING CO.**  
 TR-4—Schematic ..... 1070-VI  
 TR-4CH—Schematic ..... 1070-VI  
 TR-68—Auto Radio—Schematic ..... 1071-VI  
 42—Schematic ..... 119-VII  
 46—Schematic ..... 120-VII  
 52—Schematic ..... 119-VII  
 53 (Chassis 53CH), Schematic ..... 1070-VI  
 53C (Chassis 53CH), Schematic ..... 1070-VI  
 54—Schematic ..... 713-VII  
 55—Schematic ..... 714-VII  
 56—Schematic ..... 120-VII  
 57—Schematic ..... 714-VII  
 67SW—Schematic ..... 1004-VII  
 75—AC (Chassis TR-75CH), Schematic ..... 1071-VI  
 75—AC-DC (Chassis 175), Schematic ..... 1070-VI  
 75 (Battery Set), (Chassis 75B), Schematic ..... 1071-VI  
 75C—AC-DC (Chassis 175), Schematic ..... 1070-VI  
 75C (Battery Set), (Chassis 75B), Schematic ..... 1071-VI  
 75C—AC-DC (Chassis TR-75CH) ..... 1071-VI  
 75PC-AC (Chassis TR-75CH) ..... 1071-VI  
 77 (Chassis 77), Schematic ..... 1071-VI  
 77C (Chassis 77), Schematic ..... 1071-VI  
 79—Schematic ..... 1003-VII  
 84—Schematic ..... 713-VII
- 100—Schematic ..... 1003-VII**  
 153 (Chassis TR-153), Schematic ..... 1070-VI  
 153C (Chassis TR-153), Schematic ..... 1070-VI  
 179—Schematic ..... 1004-VII
- U**
- ULTRAMAR MFG. CORP.**  
 51—Schematic, Trimmer Locations ..... 287-VII  
 54—Schematic, Trimmer Locations ..... 288-VII  
 55—Schematic, Trimmer Locations ..... 288-VII  
 65A—Schematic ..... 715-VII  
 66A—Schematic ..... 715-VII  
 71—Schematic, Trimmer Locations ..... 716-VII  
 72—Schematic, Trimmer Locations ..... 716-VII  
 75—Schematic, Trimmer Locations ..... 717-VII  
 76—Schematic, Trimmer Locations ..... 717-VII  
 96—Schematic ..... 1717-VII  
 120—Schematic, Parts List ..... 718-VII  
 510—Schematic, Alignment, Chassis Layout, Trimmer Locations ..... 1143-VII  
 520—Schematic, Alignment, Chassis Layout, Trimmer Locations ..... 1144-VII  
 525—Schematic, Alignment, Locations ..... 1143-VII  
 Chassis Layout, Trimmer Locations ..... 1144-VII  
 526—Schematic, Alignment, Chassis Layout, Trimmer Locations ..... 1144-VII  
 701—Schematic, Alignment, Chassis Layout, Trimmer Locations ..... 1145-VII  
 702—Schematic, Alignment, Chassis Layout, Trimmer Locations ..... 1145-VII  
 801—Schematic, Alignment, Chassis Layout, Parts List ..... 1718-VII  
 802—Schematic, Alignment, Chassis Layout, Parts List ..... 1718-VII  
 910—Schematic, Alignment, Chassis Layout, Trimmer Locations ..... 1146-VII
- UNITED AMERICAN BOSCH CORPORATION**  
 BAN Edition 2 ..... 90-I  
 BAN EDITIONS 3 & 4 ..... 90-I  
 BAN EDITIONS 5 & 6 ..... 90-I  
 J ..... 333-III  
 RS 501 ..... 889-V  
 RS 502 ..... 889-V  
 T ..... 891-V  
 "Vibro-Power" 512, 4HHH-1Is  
 04—Schematic, Socket Voltages, Chassis Layout, Alignment ..... 1072-VI  
 05—Schematic, Socket Voltages ..... 1073-VI  
 4 ..... 274-IV, 276-IV  
 5-AC ..... 90D-1s  
 10 ..... 274-IV, 275-IV, 276-IV  
 16 Amborola  
 86-I, 307-III, 333-III  
 17 ..... 307-III, 333-III  
 18 ..... 304-III, 309-III



# INDEX

(Page 52)

**UN. AMER. BOSCH (Cont'd)**

386—Schematic, Operating Voltages, Battery Connections ..... 289-VII  
 386—Alignment, Under Chassis Layout, Trimmer Locations, Parts List ..... 290-VII  
 402 (Editions 1, 2 & 3), Schematic, Chassis Layout, Socket Voltages ..... 1074-VI  
 420—Schematic, Parts List, Socket Voltages, Chassis Layout ..... 1076-VI  
 421 (Same as 420) Schematic, Socket Voltages, Chassis Layout, Parts List ..... 1075-VI  
 430—Schematic, Socket Voltages ..... 1076-VI  
 430—Alignment, Parts List ..... 1077-VI  
 430J (Same as 430) ..... 1076-VI, 1077-VI  
 431 (Same as 430) ..... 1076-VI, 1077-VI  
 431J (Same as 430) ..... 1076-VI, 1077-VI  
 434 (Same as 430) ..... 1076-VI, 1077-VI  
 434J (Same as 430) ..... 1076-VI, 1077-VI  
 440—Schematic, Socket Voltage, Chassis Layout, Parts List ..... 1078-VI  
 450—Schematic, Socket Voltages, Parts List ..... 1079-VI  
 450—Schematic, Parts List ..... 124-VII  
 450—Alignment, Chassis Layout ..... 123-VII  
 460—Schematic, Parts List ..... 1080-VI  
 460—Alignment ..... 1081-VI  
 460—Alignment (cont'd) Socket Voltages, Under Chassis Layout ..... 1082-VI  
 460 (Edition 2), Schematic, Socket Voltages ..... 1083-VI  
 460 (Edition 2), Alignment ..... 1084-VI  
 460 (Edition 2), Alignment, Under Chassis Layout, Parts List (cont'd) ..... 1085-VI  
 464 (Same as 460) ..... 1081-VI, 1082-VI, 1083-VI, 1084-VI, 1085-VI  
 470—Schematic, Socket Voltages ..... 1086-VI  
 470—Alignment ..... 1087-VI  
 470—Under Chassis Layout, Alignment (cont'd) Parts List ..... 1085-VI  
 471 (Same as 470) ..... 1085-VI, 1086-VI, 1087-VI  
 474 (Same as 470) ..... 1085-VI, 1086-VI, 1087-VI  
 500 Series ..... 888-V  
 501 ..... 889-V  
 502 ..... 889-V  
 503 ..... 890-V  
 505—Schematic, Socket Voltages ..... 1089-VI  
 505—Alignment, Chassis Layout ..... 1090-VI  
 505—Under Chassis Layout, Parts List ..... 1091-VI  
 510—Schematic, Socket Voltages ..... 1092-VI  
 510—Alignment, Chassis Layout ..... 1093-VI  
 510—Under Chassis Layout, Parts List ..... 1094-VI  
 510E—Schematic, Socket Voltages ..... 1092-VI

510E—Alignment, Chassis Layout ..... 1093-VI  
 510E—Under Chassis Layout, Parts List ..... 1094-VI  
 515—Schematic, Alignment, Operating Voltages ..... 291-VII  
 515—Chassis Layout, Under Chassis Layout, Parts List ..... 292-VII  
 524A—(Editions 1, 2, 2D, 2G), Car Radio—Schematic, Socket Voltages ..... 1095-VI  
 524A (Editions 1, 2, 2D, 2G), Car Radio—Alignment, Parts List ..... 1096-VI  
 536—Car Radio—Schematic, Socket Voltages ..... 1097-VI  
 536—Car Radio—Service Data, Alignment, Chassis Layout ..... 1098-VI  
 536—Car Radio—Under Chassis Layout, Parts List ..... 1099-VI  
 565W—Schematic, Socket Voltages ..... 1100-VI  
 565W—Alignment, Chassis Layout, Under Chassis Layout, Parts List ..... 1101-VI  
 565K—Schematic, Socket Voltages ..... 1100-VI  
 565K—Alignment, Chassis Layout, Under Chassis Layout, Parts List ..... 1101-VI  
 575F—Schematic, Socket Voltages ..... 1102-VI  
 575F—Parts List ..... 1103-VI  
 575Q—Schematic, Socket Voltages ..... 1102-VI  
 575Q—Parts List ..... 1103-VI  
 585Y—Schematic, Socket Voltages ..... 1104-VI  
 585Y—Parts List ..... 1103-VI  
 585Z—Schematic, Socket Voltages ..... 1104-VI  
 585Z—Parts List ..... 1103-VI  
 595M—Schematic, Socket Voltages ..... 1105-VI  
 595M—Alignment, Under Chassis Layout ..... 1106-VI  
 595M—Chassis Layout, Under Chassis Layout, Parts List ..... 1107-VI  
 595P—Schematic, Socket Voltages ..... 1105-VI  
 595P—Alignment, Under Chassis Layout, ..... 1106-VI  
 595P—Chassis Layout, Under Chassis Layout, Parts List ..... 1107-VI  
 600—Schematic ..... 1719-VII  
 601—Schematic, Operating Voltages ..... 587-VII  
 601—Alignment, Chassis Layout, Parts List ..... 588-VII  
 602C—Schematic, Operating Voltages ..... 1278-VII  
 602C—Alignment, Under Chassis Layout, Trimmer Locations ..... 1288-VII  
 602C—Chassis Layout, Parts List ..... 1289-VII  
 602T—Schematic, Operating Voltages ..... 1287-VII  
 602T—Alignment, Under Chassis Layout, Trimmer Locations ..... 1288-VII  
 602T—Chassis Layout, Parts List ..... 1289-VII  
 604—Operating Voltages, Chassis Layout, Parts List ..... 1433-VII  
 604—Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1434-VII  
 604B—Schematic, Operating Voltages ..... 125-VII

604B—Alignment, Under Chassis Layout, Parts List ..... 126-VII  
 605—Schematic, Operating Voltages ..... 1290-VII  
 605—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1291-VII  
 605—Parts List ..... 1292-VII  
 605C—Schematic, Operating Voltages ..... 1290-VII  
 605C—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1291-VII  
 605C—Parts List ..... 1292-VII  
 610—Schematic, Operating Voltages ..... 127-VII  
 610—Alignment, Parts List ..... 129-VII  
 610—Chassis Layout, Under Chassis Layout ..... 130-VII  
 610A—Schematic, Operating Voltages ..... 128-VII  
 610A—Alignment, Parts List ..... 129-VII  
 620—Schematic, Operating Voltages ..... 1720-VII  
 625—Schematic, Operating Voltages ..... 1720-VII  
 634A—Car Radio—Schematic, Socket Voltages ..... 1108-VI  
 634A—Car Radio—Parts List ..... 1109-VI  
 636—Car Radio—Schematic, Socket Voltages ..... 1110-VI  
 636—Car Radio—Parts List ..... 1109-VI  
 637—Car Radio—Schematic, Socket Voltages ..... 1110-VI  
 637—Car Radio—Parts List ..... 1109-VI  
 640—Schematic, Operating Voltages ..... 1435-VII  
 640—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1436-VII  
 650—Schematic, Operating Voltages ..... 1437-VII  
 650—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations, Parts List ..... 1438-VII  
 660C—Schematic, Operating Voltages, Resistance Data ..... 1721-VII  
 660T—Schematic, Operating Voltages, Resistance Data ..... 1721-VII  
 670C—Schematic, Operating Voltages, Resistance Data ..... 1722-VII  
 670S—Schematic, Operating Voltages, Resistance Data ..... 1722-VII  
 736-A2—Car Radio—Schematic, Socket Voltages ..... 1111-VI  
 736-A2—Car Radio—Alignment, Parts List ..... 1112-VI  
 737-A2—Car Radio—Schematic, Socket Voltages ..... 1111-VI  
 737-A2—Car Radio—Alignment, Parts List ..... 1112-VI  
 738-A2—Car Radio—Schematic, Socket Voltages ..... 1111-VI  
 738-A2—Car Radio—Alignment, Parts List ..... 1112-VI  
 825 Power Pack ..... 89-1

**UNITED MOTORS SERVICE CORP.**

A1 Delco ..... 903-V  
 A3 Delco ..... 904-V  
 B1 Delco ..... 903-V  
 B3 Delco ..... 904-V  
 BOP-4036 ..... 905-V  
 2003 ..... 892-V  
 2010 ..... 892-V  
 2035 ..... 893-V  
 3026 ..... 894-V  
 4037 ..... 895-V  
 4038 ..... 896-V  
 4048 ..... 897-V  
 4049-32V. DC ..... 898-V  
 4050-32V. DC ..... 898-V  
 4051-32V. DC ..... 899-V  
 4052 AC-DC ..... 900-V  
 4053 ..... 901-V  
 4053A ..... 901-V  
 364441 Auto Set (Chevrolet) ..... 902-V

**UNITED REPRODUCERS CORP.**

(See also Gray Electric Co.)

Courier ..... 325-III  
 Kilectron ..... 305-III, 309-III  
 K-70 ..... 303-I, 343-III  
 20 Electrostatic ..... 304-I  
 45 Arborphone ..... 490-II  
 65 Electrostatic ..... 489-II  
 65 Chassis ..... 303-I  
 868 ..... 491-II  
 880 ..... 491-II  
 890 ..... 491-II

**U. S. ELECTRIC WORKS**

M Genemotor ..... 492-II  
 T Genemotor ..... 492-II  
 U Genemotor ..... 492-II

**U. S. LABORATORIES**

See Pierce Alro Inc. and DeWald Radio

**U. S. RADIO & TELEVISION CORP.**

3 ..... 488-II  
 5-A ..... 303-IV, 304-IV, 305-IV, 306-IV  
 6 Tube Battery ..... 487-IV  
 7 ..... 488A, B-IIs  
 7-D ..... 307-IV, 308-IV  
 8 ..... 483-II, 484-II  
 9 ..... 309-IV, 310-IV, 311-IV  
 10 ..... 481-II, 482-II  
 12 ..... 312-IV, 313-IV  
 19 ..... 309-IV, 310-IV, 311-IV  
 20 ..... 478-II  
 24 ..... 314-IV, 315-IV, 316-IV, 317-IV  
 25 ..... 318-IV, 319-IV, 320-IV  
 26 ..... 479-II  
 26-P ..... 480-II, 329-III  
 27 ..... 469-II, 470-II, 475-II  
 27-P Motor Board ..... 468-II  
 28 ..... 906-V  
 28-A ..... 906-V  
 29 ..... 906-V  
 30 ..... 307-I  
 31 ..... 471 to 474-II  
 32 ..... 477-II

# INDEX

(Page 53)

**U. S. RADIO (Cont'd)**

33-110 V. DC	907-V
36	96B-Is
37	473-II
41	306-I
42	306-I
43	306-I
44	306-I
46	307-I
46A	307-I
47	307-I
47A	307-I
48	305-I
48A	305-I
49	908-V
55	908-V
69	321-IV, 322-IV, 323-IV
80	486-II, 305-I, 295-III
90	476-II
99	434F-IIs
99X	434F-IIs
120	312-IV, 313-IV
300	324-IV, 325-IV
400	314-IV,
	315-IV, 316-IV, 317-IV
500	318-IV, 319-IV, 320-IV
502	303-IV,
	304-IV, 305-IV, 306-IV,
507	326-IV, 327-IV
700	307-IV, 308-IV
900	309-IV, 310-IV, 311-IV
902	309-IV, 310-IV, 311-IV
906	321-IV, 322-IV, 323-IV
1006 Class B	909-V
1007 Class B	909-V
1009	910-V
1200	312-IV, 313-IV
3040	326-IV, 327-IV
3056	326-IV, 327-IV
3070	910-V

**UNIVERSAL BATTERY COMPANY**

6 Tube, 6 Volt Superhetrodyne—Schematic	719-VII
6 Tube 32 V. set—Schematic	293-VII
7 Tube, 6 Volt Superhetrodyne—Schematic	719-VII
7 Tube 32 V. Set—Schematic	293-VII
50A6—Schematic	866-VII
61A6—Schematic	865-VII
72A6—Schematic	866-VII
636V—Schematic	866-VII
802—Schematic	294-VII
803—Schematic	294-VII
5010—Schematic	720-VII
5032—Schematic, Parts List	866-VII
6110—Schematic	720-VII
6132—Schematic	865-VII
6310—Schematic	720-VII
7232 (Same as 7 Tube 32 V. Set)—Schematic	293-VII
7332 (Same as 7 Tube 32 V. Set)—Schematic	293-VII
8210—Schematic	720-VII
8232—Schematic	865-VII
8332—Schematic	865-VII
8410—Schematic	720-VII

**UTAH PRODUCTS CO.**

400A Series	911-V
400B Tuner Series	912-V
400B Amplifier Series	913-V

**W**

**WARWICK MANUFACTURING CO.**

400—Schematic, Alignment, Chassis Layout, Parts List	1011-VII
--	----------

460—Schematic, Alignment, Chassis Layout, Parts List	1012-VII
510—Schematic	1293-VII
510—Alignment, Chassis Layout, Parts List	1294-VII
536 (1937)—Schematic, Alignment, Parts List	1151-VII
550—Schematic, Alignment	1152-VII

**WEBSTER ELECTRIC CO.**

B-37-50	350B-Is
35TA	396-II
6005	350B-Is
6009	350B-Is
6013	496-II
6025-JD	350A-Is
6030-JE	350B-Is

**WELLS GARDNER & CO.**

A1 Series—Schematic	1013-VII
A1 Series—Alignment Chart, Trimmer Locations	1014-VII
A1 Series—Operating Voltages, Chassis Layout, Service Data	1015-VII
A1 Series—Parts List	1016-VII
A1 Series—Data on Button Telephone Dial and Phantom Light Dial	1153-VII
A1 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1154-VII
A1 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1155-VII
A2 Series—Schematic	1295-VII
A2 Series—Alignment Chart, Trimmer Locations	1296-VII
A2 Series—Operating Voltages, Chassis Layout, Service Data	1297-VII
A2 Series—Phonograph Connections, Resistance Data, Service Data, Parts List	1298-VII
A2 Series—Data on Button Telephone Dial and Phantom Light Dial	1153-VII
A2 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1154-VII
A2 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1155-VII
A3 Series—Schematic	1723-VII
A3 Series—Data on Button Telephone Dial and Phantom Light Dial	1153-VII
A3 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1154-VII
A3 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1155-VII
A4 Series—Data on Button Telephone Dial and Phantom Light Dial	1153-VII

A4 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1154-VII
A4 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1155-VII
A5 Series—Data on Button Telephone Dial and Phantom Light Dial	1153-VII
A5 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1154-VII
A5 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1155-VII
A6—Schematic	1723-VII
A7 Series—Data on Button Telephone Dial and Phantom Light Dial	1153-VII
A7 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1154-VII
A7 Series—Data on Button Telephone Dial and Phantom Light Dial (Continued)	1155-VII
C, AC-9	503-II, 504-II
OC Series—Schematic, Operating Voltages, Chassis Layout, Parts List	721-VII
ODM Series—Schematic	1113-VI
ODM Series—Service Data, Socket Voltages, Chassis Layout, Trimmers	1114-VI
OEL Series—Schematic	131-VII
OEL Series—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations	297-VII
OF Series—Schematic	295-VII
OF Series—Alignment, Chassis Layout, Trimmer Locations, Resistance Data	296-VII
V6Z2 Auto Set—Schematic, Parts List	722-VII
Z6Z1 Series Auto Set—Schematic, Alignment, Operating Voltages	867-VII
00A	914-V
00B	915-V
0C	916-V
02A	917-V
02AA	917-V
05A	328-V
05AA	918-V
05BA	919-V
06A	920-V
06W	921-V
07A Series	922-V
022	329-IV
052	330-IV
062	510A-IIs
073	923-V
092	331-IV
2B Series	924-V
2CM Series—Schematic	1115-VI
2DL Series—Schematic	132-VII
2DL Series—Chassis Layout, Trimmer Locations, Phono Connections, Service Data	133-VII
2DL Series—Alignment, Operating Voltages	134-VII
5 Tube DC	509-II, 510-II
5B Series	925-V

5D Series—Schematic, Socket Voltages, Chassis Layout, Trimmers	1116-VI
5F—Schematic, Resistance Data	723-VII
5F—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations	724-VII
5FL—Schematic, Resistance Data	723-VII
5FL—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations	724-VII
5G Series—Schematic	1117-VI
5G Series—Alignment, Socket Voltages, Battery Connections	1118-VI
5H Series (Auto Radio), Schematic, Operating Voltages, Chassis Layout, Trimmer Locations	1724-VII
5K—Schematic, Resistance Data	725-VII
5K—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations	726-VII
5KL—Schematic, Resistance Data	725-VII
5KL—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations	726-VII
6B Series—Schematic, Chassis Layout, Service Data	1119-VI
6C Series—Schematic, Operating Voltages, Parts List	1725-VII
6C1 Series—Schematic	1439-VII
6D Series—Schematic	1120-VI
6D Series—Service Data, Chassis Layout, Socket Voltages	1121-VI
6F Series—Schematic (R. F. Section)	1122-VI
6F Series—Schematic (A. F. Section)	1123-VI
6F Series—Parts List	1124-VI
6F Series—Service Data, Socket Voltages	1125-VI
6G—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations	443-VII
6J Series ("A" Issue)—Schematic, Speaker Connections	868-VII
6J Series ("B" Issue)—Schematic, Speaker Connections	869-VII
6J Series—Alignment, Operating Voltages, Chassis Layout	870-VII
6K—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations	444-VII
6L Series—Schematic, Chassis Layout, Trimmer Locations	1440-VII
6L Series—Alignment, Service Data, Parts List	1441-VII
6N Series—Schematic	1126-VI
6N Series—Service Data, Chassis Layout, Socket Voltages	1127-VI
6R Series—Schematic	1128-VI
6S Series—Schematic	1129-VI
6U Series	926-V
7C Series	927-V
7D Series—Schematic, Operating Voltages, Parts List	298-VII
7E Series—Schematic	1130-VI
7E Series—Service Data, Chassis Layout, Socket Voltages	1131-VI

# INDEX

(Page 54)

**WELLS GARDNER (Cont'd)**

7F—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations, Phonograph Connections 1726-VII

7FL—Schematic, Operating Voltages, Chassis Layout, Trimmer Locations, Phonograph Connections 1726-VII

7GM Series—Schematic 1132-VI

7GM Series—Service Data, Chassis Layout, Socket Voltages 1133-VI

7H Series—Schematic 1134-VI

7J Series—Schematic 1135-VI

7J Series—Service Data, Socket Voltages, Chassis Layout, Phonograph Connections 1136-VI

7K Series—Schematic 1137-VI

7K Series—Service Data, Socket Voltages, Chassis Layout 1138-VI

7L Series—Schematic 1442-VII

7L Series—Alignment, Service Data 1443-VII

7L Series—Operating Voltages, Chassis Layout, Trimmer Locations, Phonograph Connections 1444-VII

7L Series—Service Data, Phonograph Connections, Parts List 1445-VII

7P Series—Schematic, Trimmer Locations 1156-VII

7P Series—Alignment 1157-VII

7P Series—Operating Voltages, Chassis Layout, Service Data, Parts List 1158-VII

7Q Series—Schematic 1299-VII

7Q Series—Alignment 1301-VII

7Q Series—Alignment (Continued), Operating Voltages, Parts List 1302-VII

7Q Series—Chassis Layout, Trimmer Locations, Resistance Data 1300-VII

7RL Series—Schematic 1446-VII

7RL Series—Alignment, Operating Voltages, Chassis Layout, Trimmer Locations 1447-VII

7RL Series—Service Data, Resistance Data, Parts List 1448-VII

8T-AC 497-II

9B Series 928-V

9 in Line 197-I

9C Series—Schematic 1139-VI

9C Series—Service Data, Socket Voltages, Chassis Layout 1140-VI

10 501-II, 502-II

20 332-IV, 333-IV

40 334-IV, 335-IV

40-A 334-IV, 335-IV

50 336-IV, 337-IV

60 505-II, 506-II, 507-II

63 505-II, 506-II, 507-II

70 Series 929-V

80 508-II

80-A 498-II, 499-II, 500-II

82 (Same as 80) 508-II

92 338-IV

93 338-IV

332 339-IV

352 340-IV

502 341-IV

572 342-IV

872 343-IV

**WESTINGHOUSE ELECTRIC SUPPLY COMPANY**

WR-4 511-II, 512-II, 513-II

WR-5 266A-Is

WR-6 266D-Is

WR-6-R 526 to 529-II

WR-7 266B-Is

WR-7-R 526 to 529-II

WR-8 515-II, 517-II, 266H-Is

WR-8-R 514-II, 618-II, 519-II, 266H-Is

WR-10 521-II, 522-II, 523-II, 266G-Is

WR-10-A 520-II

WR-14 525-II

WR-15 524-II

WR-20 932 V

WR-21—Schematic 1141-VI

WR-21—Alignment, Service Data 1142-VI

WR-22 933-V

WR-23 934-V

WR-24 934-V

WR-25 Auto Set 935-V

WR26—Schematic, Operating Voltages 135-VII

WR27—Schematic 136-VII

WR-28—Schematic, Socket Voltages, Parts List 1143-VI

WR-29—Schematic, Socket Voltages, Parts List 1143-VI

WR-30—Schematic, Socket Voltages 1144-VI

WR-100—Schematic, Socket Voltages, Parts List 1145-VI

WR-101—Schematic, Parts List 1146-VI

WR102—Schematic, Operating Voltages, Chassis Layout, Under Chassis 137-VII

WR102—Alignment, Parts List 138-VII

WR-102A—Schematic, Operating Voltages 445-VII

WR-102A—Alignment, Under Chassis Layout, Parts List 446-VII

WR-103—Schematic, Operating Voltages 727-VII

WR-103—Chassis Layout, Under Chassis Layout 728-VII

WR-103—Alignment, Parts List 729-VII

WR-103A—Schematic 1017-VII

WR-103A—Alignment, Parts List 729-VII

WR-103A—Chassis Layout, Under Chassis Layout 728-VII

WR-116—Schematic, Operating Voltages 1303-VII

WR-116—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1304-VII

WR-116—Parts List 1305-VII

WR-120—Schematic, Alignment, Operating Voltages, Parts List 1449-VII

WR-201—Schematic 136-VII

WR-203—Schematic, Parts List 1147-VI

WR-204—Schematic, Socket Voltages 1148-VI

WR-204—Alignment, Service Notes 1149-VI

WR-204—Chassis Layout, Under Chassis Layout, Parts List 1150-VI

WR-205—Schematic, Socket Voltages 1151-VI

WR-205—Alignment 1152-VI

WR-205—Chassis Layout, Under Chassis Layout, Parts List 1153-VI

WR-208—Schematic, Parts List, Socket Voltages 1154-VI

WR-209—Schematic, Operating Voltages 730-VII

WR-209—Alignment, Parts List 732-VII

WR-209—Chassis Layout, Under Chassis Layout 731-VII

WR-211—Schematic, Operating Voltages 1018-VII

WR-211—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1019-VII

WR-211—Parts List 1020-VII

WR-212—Schematic, Operating Voltages, Resistance Data 1450-VII

WR-212—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1451-VII

WR-212—Alignment (Cont'd), Parts List 1452-VII

WR-214—Schematic, Operating Voltages, Resistance Data 1306-VII

WR-214—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1307-VII

WR-214—Alignment (Continued), Parts List 1308-VII

WR-224—Schematic 1727-VII

WR-226—Schematic 1728-VII

WR-228—Schematic 1729-VII

WR-303—Schematic, Parts List 1147-VI

WR-304—Schematic, Socket Voltages 1148-VI

WR-304—Alignment, Service Notes 1149-VI

WR-304—Chassis Layout, Under Chassis Layout, Parts List 1150-VI

WR-305—Schematic, Socket Voltages 1151-VI

WR-305—Alignment 1152-VI

WR-305—Chassis Layout, Under Chassis Layout, Parts List 1153-VI

WR-306—Schematic, Socket Voltages 1155-VI

WR-306—Alignment, Parts List 1156-VI

WR-306—Chassis Layout, Under Chassis Layout, Parts List (concluded) 1157-VI

WR-312—Schematic, Operating Voltages, Resistance Data 1450-VII

WR-312—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1451-VII

WR-312—Alignment (Cont'd), Parts List 1452-VII

WR-314—Schematic, Operating Voltages, Resistance Data 1306-VII

WR-314—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1307-VII

WR-314—Alignment (Continued), Parts List 1308-VII

WR-315—Schematic 1159-VII

WR-315—Alignment, Chassis Layout 1160-VII

WR-315—Operating Voltages, Under Chassis Layout, Trimmer Locations 1162-VII

WR-315—Parts List 1161-VII

WR-316—Schematic, Operating Voltages 1303-VII

WR-316—Alignment, Chassis Layout, Under Chassis Layout, Trimmer Locations 1304-VII

WR-316—Parts List 1305-VII

WR-326—Schematic 1728-VII

WR-328—Schematic 1729-VII

WR-330—Schematic 1730-VII

WR-338—Schematic 1728-VII

WR-500—Auto Set—Schematic, Socket Voltages 1158-VI

WR-500—Car Set—Alignment, Chassis Layout, Service Data, Parts List 1159-VI

WR501 Auto Set—Schematic 139-VII

WR-502—Auto Radio—Schematic, Socket Voltages 1160-VI

WR-503—Auto Set—Schematic, Socket Voltages 1161-VI

WR601 Battery Set Schematic 140-VII

**WESTON ELECTRICAL INSTRUMENT CORP.**

See also Jewell Inst. Co.

Adapters for Weston and Jewell Analyzers 232J-IIs, 232K-IIs, 232L-IIs

Test Panel 449B-IIs

209 Tube Checker 936-V

214 Tube Checker (Jewell) 937-V

444 Set Analyzer (Jewell) 938-V

533 Tube Checker (Jewell) 939-V

534 Tube Checker (Jewell) 940-V

538 Tube Checker (Jewell) 941-V

560 Oscillator (Jewell) 942-V

565 Test Set 943-V

566 (Type 3) Set Tester 944-V

660 (Type 3) Set Analyzer 945-V

**WESTARK RADIO STORES**

Knight 8-9 324B-Is

Knight 6 Tube DC 301-III

**WILCOX-GAY CORP.**

A11—Schematic, Parts List 1022-VII

A15—Schematic, Parts List 1021-VII

A16—Schematic, Parts List 1022-VII

A17—Schematic, Parts List 1021-VII

A-18—Schematic, Parts List 733-VII

A-19—Schematic, Parts List 733-VII

A-20—Schematic, Parts List 873-VII

A-22—Schematic 873-VII

A-22—Parts List 874-VII

A-23—Schematic 873-VII

A-23—Parts List 874-VII

# INDEX

(Page 55)

**WILCOX-GAY (Cont'd)**

A-24—Schematic, Parts List ..... 734-VII  
 A-25—Schematic, Parts List ..... 734-VII  
 A-26—Schematic, Parts List ..... 871-VII  
 A-27—Schematic, Parts List ..... 874-VII  
 A-28—Schematic, Parts List ..... 874-VII  
 2T5 ..... 947-V  
 2U7 ..... 947-V  
 2VA7 ..... 947-V  
 2VB7 ..... 947-V  
 3D5 ..... 948-V  
 3F7 ..... 949-V  
 3J4—Schematic, Parts List ..... 299-VII  
 3J5 ..... 950-V  
 3JC5 (Same as 3JE5)—Schematic, Parts List ..... 299-VII  
 3JD5—Schematic, Parts List ..... 872-VII  
 3JE5—Schematic, Parts List ..... 299-VII  
 3JF5—Schematic ..... 141-VII  
 3JF5—Parts List ..... 142-VII  
 3JG5—Schematic, Parts List ..... 872-VII  
 3JH6 (Same as 3JE5)—Schematic, Parts List ..... 299-VII  
 3JM6—Schematic, Parts List ..... 1021-VII  
 3JQ6—Schematic, Parts List ..... 1021-VII  
 3K5 ..... 950-V  
 3KD5 ..... 950-V  
 3KE5—Schematic, Parts List ..... 872-VII  
 3P6 ..... 951-V  
 3PA6 ..... 951-V  
 3PB8 ..... 952-V  
 3R6 ..... 953-V  
 3S5 ..... 954-V  
 3SA5 ..... 954-V  
 3T6 ..... 955-V  
 3TA6 ..... 955-V  
 3TB8 ..... 956-V  
 4B6 ..... 957-V  
 4G7—Schematic ..... 300-VII  
 4H11—Schematic ..... 300-VII  
 5A6—Schematic ..... 141-VII  
 5B5—Schematic ..... 142-VII  
 5BC5—Schematic ..... 142-VII  
 5E7—Schematic ..... 144-VII  
 5E7—Parts List ..... 143-VII  
 6A5—Schematic, Parts List ..... 1022-VII  
 6AB5—Schematic, Parts List ..... 1022-VII  
 6AC5—Schematic, Parts List ..... 1022-VII  
 6B8—Schematic, Parts List ..... 143-VII  
 6BB8—Schematic, Parts List ..... 873-VII  
 6D6—Schematic ..... 144-VII  
 6D6—Parts List ..... 142-VII  
 6F6—Schematic, Parts List ..... 733-VII  
 6FB6—Schematic, Parts List ..... 733-VII  
 6J4—Schematic, Parts List ..... 734-VII  
 6P4—Schematic ..... 873-VII  
 6P4—Parts List ..... 874-VII  
 6T11—Schematic, Parts List ..... 871-VII  
 7A5—Schematic, Parts List ..... 874-VII  
 7AB5—Schematic, Parts List ..... 874-VII  
 7AC5—Schematic, Parts List ..... 874-VII

**WILCOX LABORATORIES Inc.**

6 ..... 530-II

**WILLARD STORAGE BATTERY CO.**

**"A" Units:**  
 3262 ..... 304A-Is  
 3280 ..... 304A-Is  
 3290 ..... 304A-Is  
 3390 ..... 304A-Is  
**"B" Units:**  
 3095 ..... 304A-Is  
 3310 ..... 304A-Is  
 4095 ..... 304A-Is  
 4310 ..... 304A-Is  
**"A-B" Units:**  
 3301 ..... 304B-Is  
 4301 ..... 304B-Is  
 6301 ..... 304B-Is

**RUDOLPH WURLITZER MFG. CO.**

See also All-American Mohawk Corp.

A-60 ..... 960-V  
 B ..... 536-II  
 B6 ..... 961-V  
 B41 ..... 346-IV  
 B-80 ..... 345-IV  
 B-1930-31 ..... 346-IV  
 C-4 ..... 962-V  
 C-4-L (Same as C-4) ..... 962-V  
 C-4-L1 (Same as C-4) ..... 962-V  
 DC-7 ..... 347-IV  
 DC-65 ..... 348-IV  
 M-4 ..... 962-V  
 M-4-L (Same as M-4) ..... 962-V  
 M-4-L1 (Same as M-4) ..... 962-V  
 P-5 ..... 963-V  
 S-40 ..... 964-V  
 S-50 ..... 349-IV  
 S-63 ..... 350-IV  
 SA-5 ..... 965-V  
 SA-6 ..... 966-V  
 SA-46 (Same as C-4) ..... 962-V  
 SA-65 ..... 351-V  
 SA-90 ..... 352-IV  
 SA-91 ..... 353-IV  
 SA-91A ..... 967-V  
 SA-120 ..... 968-V  
 SA-133 ..... 969-V  
 SA-130 ..... 354-IV  
 SU-5 ..... 970-V  
 SW-80 ..... 355-IV  
 SW-88 ..... 971-V  
 U-50 ..... 356-IV  
 U-500 ..... 357-IV  
 316—Schematic ..... 1731-VII  
 316 DC—Schematic ..... 1732-VII  
 416—Schematic ..... 1731-VII  
 416 DC—Schematic ..... 1732-VII  
 450 ..... 958-V  
 460 ..... 959-V  
 616—Schematic ..... 1731-VII  
 616A—Schematic ..... 1731-VII  
 616 DC—Schematic ..... 1732-VII  
 716—Schematic ..... 1731-VII  
 716 DC—Schematic ..... 1732-VII

**ZENITH RADIO CORP.**

Stratosphere 1000Z (Revised) (Chassis 2501C & 2501P)—Schematic ..... 148-VII  
 Stratosphere 1000Z (Revised) (Chassis 2501C & 2501P)—Schematic (Continued) ..... 149-VII  
 Stratosphere 1000Z (Revised)—Alignment, Operating Voltages ..... 150-VII  
 A, B, C, D ..... 576K-IIs  
 AH-CH-RH-No. 3A ..... 688-III, 690-III, 324-III  
 BH-LHB ..... 576N-IIs  
 Model VII ..... 566-II  
 Record Changer ..... 578-II  
 Zenette 5 Tube ..... 574-II  
 Zenette 6 Tube ..... 574-II  
 632-III, 633-III  
 S-829—Schematic, Parts List ..... 1456-VII  
 S-847—Schematic, Alignment, Operating Voltages, Parts List ..... 1455-VII  
 S-870—Schematic, Parts List ..... 1456-VII  
 S-871—Schematic, Parts List ..... 1456-VII  
 S908—Schematic, Alignment, Operating Voltages, Chassis Layout ..... 589-VII  
 S909—Schematic, Alignment, Operating Voltages, Chassis Layout ..... 589-VII  
 S961—Schematic, Alignment, Operating Voltages, Chassis Layout ..... 589-VII  
 ZE-3 Power Supply ..... 312-I  
 ZE-4 ..... 312-I  
 ZE-5 Power Unit ..... 309-I  
 ZE-6 Filter Unit ..... 578-II  
 ZE-7 Power Supply ..... 568-II  
 ZE-8 Filter Unit ..... 566-II  
 ZE-8P Filter Unit ..... 566-II  
 ZE-9 Power Supply ..... 568-II  
 ZE-10 Power Supply ..... 309-I  
 ZE-11 Power Supply ..... 314-I  
 ZE-12 Power Supply ..... 319-I  
 ZE-13 Power Supply ..... 314-I  
 ZE-14 Power Supply ..... 314-I  
 ZE-15 Power Supply ..... 314-I  
 ZE-16 Power Supply ..... 319-I  
 ZE-17 Power Supply ..... 317-I  
 ZE-18 Power Supply ..... 317-I  
 ZE-19 Power Unit ..... 564-II  
 ZE-20 Audio Unit ..... 564-II  
 ZE-50 Power Unit ..... 576-II  
 4B-106 (Chassis 5406) Schematic, Socket Voltages ..... 1162-VI  
 4B-131 (Chassis 5406) Schematic, Socket Voltages ..... 1162-VI  
 4B-132 (Chassis 5406) Schematic, Socket Voltages ..... 1162-VI  
 4-B-231—Schematic, Alignment, Operating Voltages, Chassis Layout, Trimmer Locations ..... 1733-VII  
 4-F-133—Schematic ..... 1749-VII  
 4-F-193—Schematic, Alignment, Operating Voltages ..... 875-VII  
 4-F-227—Schematic, Alignment, Operating Voltages, Chassis Layout, Trimmer Locations ..... 1734-VII  
 4P-26 (Chassis 5401) Schematic, Alignment, Socket Voltages, Chassis Layout ..... 1163-VI  
 4P-51 (Chassis 5401) Schematic, Alignment, Socket Voltages, Chassis Layout ..... 1163-VI  
 4-R ..... 309-I

4T-26 (Chassis 5401) Alignment, Schematic, Socket Voltages, Chassis Layout ..... 1163-VI  
 4T-26 (Chassis 5403) Schematic, Alignment, Socket Voltages, Chassis Layout ..... 1164-VI  
 4T-51 (Chassis 5401) Schematic, Alignment, Socket Voltages ..... 1163-VI  
 4T-51 Revised (Chassis 5403) Schematic, Alignment, Socket Voltages, Chassis Layout ..... 1164-VI  
 4V-31 (Chassis 5405) Schematic, Alignment, Socket Voltages, Chassis Layout ..... 1165-VI  
 4V-59 (Chassis 5405) Schematic, Alignment, Socket Voltages, Chassis Layout ..... 1165-VI  
 5-F-134—Schematic, Alignment, Operating Voltages ..... 876-VII  
 5-F-166—Schematic, Alignment, Operating Voltages ..... 876-VII  
 5-F-233—Schematic, Alignment, Operating Voltages ..... 1735-VII  
 5-F-251—Schematic, Alignment, Operating Voltages ..... 1735-VII  
 5-J-217—Schematic, Alignment, Operating Voltages ..... 1736-VII  
 5-J-247—Schematic, Alignment, Operating Voltages ..... 1736-VII  
 5-J-255—Schematic, Alignment, Operating Voltages ..... 1736-VII  
 5M-90 (Chassis 5510) Auto Set, Schematic ..... 1166-VI  
 5-M-191—Schematic, Parts List ..... 877-VII  
 5-M-191—Alignment ..... 1309-VII  
 5-M-191—Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations ..... 1163-VII  
 5-R-123—Schematic, Alignment, Operating Voltages ..... 878-VII  
 5-R-135—Schematic, Alignment, Operating Voltages ..... 878-VII  
 5-R-165—Schematic, Alignment, Operating Voltages ..... 878-VII  
 5-R-216—Schematic, Alignment, Operating Voltages ..... 1737-VI  
 5-R-226—Schematic, Alignment, Operating Voltages ..... 1737-VII  
 5-R-236—Schematic, Alignment, Operating Voltages ..... 1737-VII  
 5S-29 (Chassis 5513-5513A) Schematic, Chassis Layout ..... 1167-VI  
 5S-56 (Chassis 5513-5513A) Schematic, Chassis Layout ..... 1167-VI  
 5S-119 (Chassis 5516) Schematic, Socket Voltages ..... 1168-VI  
 5S-126 (Chassis 5516) Schematic, Socket Voltages ..... 1168-VI  
 5S-127 (Chassis 5516) Schematic, Socket Voltages ..... 1168-VI

**Z**

**ZANEY GILL CO.**

Vitatone Model 54 ..... 495B-IIs

# INDEX

(Page 56)

**ZENITH RADIO (Cont'd)**

- 5S-150 (Chassis 5516)  
Schematic, Socket  
Voltages .....1168-VI
- 5S-151 (Chassis 5516)  
Schematic, Socket  
Voltages .....1168-VI
- 5S-161 (Chassis 5516)  
Schematic, Socket  
Voltages .....1168-VI
- 5-S-201—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 5-S-218—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 5-S-220—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 5-S-228—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 5-S-237—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 5-S-250—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 5-S-252—Schematic,  
Alignment, Operating  
Voltages .....1738-VII
- 6B-107 (Chassis 5635)  
Schematic, Socket  
Voltages .....1169-VI
- 6B-129 (Chassis 5635)  
Schematic, Socket  
Voltages .....1169-VI
- 6B-164 (Chassis 5635)  
Schematic, Socket  
Voltages .....1169-VI
- 6D-116 (Chassis 5633)  
Schematic, Socket  
Voltages .....1170-VI
- 6D-117 (Chassis 5633)  
Schematic, Socket  
Voltages .....1170-VI
- 6D-118 (Chassis 5633)  
Schematic, Socket  
Voltages .....1170-VI
- 6-D-202—Schematic,  
Operating Voltages,  
Trimmer Locations  
1739-VII
- 6-D-219—Schematic,  
Operating Voltages,  
Trimmer Locations 1739-VII
- 6-D-221—Schematic,  
Operating Voltages,  
Trimmer Locations  
1739-VII
- 6-D-238—Schematic,  
Operating Voltages,  
Trimmer Locations 1739-VII
- 6 EP .....570-II
- 6-J-230—Schematic,  
Alignment, Operating  
Voltages .....1740-VII
- 6-J-257—Schematic,  
Alignment, Operating  
Voltages .....1740-VII
- 6M-90D (Chassis 5630)  
Auto Set—Schematic  
1171-VI
- 6M-90D—Alignment,  
Socket Voltages .....1173-VI
- 6M-90S—Schematic .....1171-VI
- 6M-90S—Alignment,  
Socket Voltages .....1173-VI
- 6M-91D (Chassis 5631)  
Auto Set—Schematic  
1172-VI
- 6M-91D—Alignment,  
Socket Voltages .....1173-VI
- 6M-91S—(Chassis 5631)  
Auto Set—Schematic  
1172-VI
- 6M-91S—Alignment,  
Socket Voltages .....1173-VI
- 6M-92 (Chassis 5632)  
Auto Set—Schematic  
1174-VI
- 6M-92—Alignment,  
Socket Voltages .....1173-VI
- 6-M-192 (Chassis 5637)—  
Schematic, Operating  
Voltages, Chassis Lay-  
out, Trimmer Locations,  
Parts List .....1164-VII
- 6-M-192 (Chassis 5637)  
Alignment .....1309-VII
- 6-M-193 (Chassis 5637)—  
Schematic, Operating  
Voltages, Chassis Layout,  
Trimmer Locations, Parts  
List .....1165-VII
- 6-M-193 (Chassis 5637)  
Alignment .....1309-VII
- 6-M-194 (Chassis 5637)—  
Schematic, Operating  
Voltages, Chassis Layout,  
Trimmer Locations, Parts  
List .....1165-VI
- 6-M-194 (Chassis 5637)  
Alignment .....1309-VII
- 6S-27 (Chassis 5619)  
Schematic, Alignment,  
Socket Voltages  
Chassis Layout .....1175-VI
- 6S-52 (Chassis 5619)  
Schematic, Alignment,  
Socket Voltages,  
Chassis Layout .....1175-VI
- 6S-128 (Chassis 5634)  
Schematic, Socket  
Voltages .....1176-VI
- 6S-137 (Chassis 5634)  
Schematic, Socket  
Voltages .....1176-VI
- 6S-147 (Chassis 5634)  
Schematic, Socket  
Voltages .....1176-VI
- 6S-152 (Chassis 5634)  
Schematic, Socket  
Voltages .....1176-VI
- 6S-157 (Chassis 5634)  
Schematic, Socket  
Voltages .....1176-VI
- 6-S-203—Schematic,  
Alignment, Operating  
Voltages .....1741-VII
- 6-S-222—Schematic,  
Alignment, Operating  
Voltages .....1741-VII
- 6-S-223—Schematic,  
Alignment, Operating  
Voltages .....1741-VII
- 6-S-229—Schematic,  
Alignment, Operating  
Voltages .....1741-VII
- 6-S-239—Schematic,  
Alignment, Operating  
Voltages .....1741-VII
- 6-S-241—Schematic,  
Alignment, Operating  
Voltages .....1741-VII
- 6-S-254—Schematic,  
Alignment, Operating  
Voltages .....1742-VII
- 6-S-256—Schematic,  
Alignment, Operating  
Voltages .....1742-VII
- 6V-27 (Chassis 5621)  
Schematic, Alignment,  
Socket Voltages,  
Chassis Layout .....1177-VI
- 6V-62 (Chassis 5621)  
Schematic, Alignment,  
Socket Voltages,  
Chassis Layout .....1177-VI
- 7 Auto Set .....972-V
- 7D-119 (Chassis 5707)  
Schematic .....1179-VI
- 7D-126 (Chassis 5707)  
Schematic .....1179-VI
- 7D-127 (Chassis 5707)  
Schematic .....1179-VI
- 7D-138 (Chassis 5707)  
Schematic .....1179-VI
- 7D-148 (Chassis 5707)  
Schematic .....1179-VI
- 7D-151 (Chassis 5707)  
Schematic .....1179-VI
- 7D-162 (Chassis 5707)  
Schematic .....1179-VI
- 7D-163 (Chassis 5707)  
Schematic .....1179-VI
- 7-D-203—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-222—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-223—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-229—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-239—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-241—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-243—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-D-253—Schematic,  
Alignment, Operating  
Voltages .....1743-VII
- 7-J-232—Schematic,  
Alignment, Operating  
Voltages .....1744-VII
- 7-J-259—Schematic,  
Alignment, Operating  
Voltages .....1744-VII
- 7M-91D (Chassis 5706)  
Auto Set—Schematic  
1180-VI
- 7M-91D—Alignment,  
Socket Voltages .....1173-VI
- 7M-91S (Chassis 5706)  
Auto Set—Schematic  
1180-VI
- 7M-91S—Alignment,  
Socket Voltages .....1173-VI
- 7S-28 (Chassis 5704)  
Schematic, Alignment,  
Socket Voltages,  
Chassis Layout .....1178-VI
- 7S-30 (Chassis 5704)  
Schematic, Alignment,  
Socket Voltages,  
Chassis Layout .....1178-VI
- 7S-53 (Chassis 5704)  
Schematic, Alignment,  
Socket Voltages,  
Chassis Layout .....1178-VI
- 7-S-204—Schematic,  
Alignment, Operating  
Voltages .....1745-VI
- 7-S-232—Schematic,  
Alignment, Operating  
Voltages .....1745-VII
- 7-S-240—Schematic,  
Alignment, Operating  
Voltages .....1745-VII
- 7-S-242—Schematic,  
Alignment, Operating  
Voltages .....1745-VII
- 7-S-258—Schematic,  
Alignment, Operating  
Voltages .....1745-VII
- 7-S-260—Schematic,  
Alignment, Operating  
Voltages .....1745-VII
- 7-S-261—Schematic,  
Alignment, Operating  
Voltages .....1745-VII
- 8-M-195—Schematic, Operat-  
ing Voltages, Chassis Lay-  
out, Under Chassis Layout,  
Trimmer Locations, 1166-VII
- 8-M-195—Alignment .....1309-VII
- 8S-129 (Chassis 5801)  
Schematic .....1181-VI
- 8S-154 (Chassis 5801)  
Schematic .....1181-VI
- 9S-30 (Chassis 5903)  
Schematic, Chassis  
Layout .....1182-VI
- 9S-54 (Chassis 5903)  
Schematic, Chassis  
Layout .....1182-VI
- 9S-55 (Chassis 5903)  
Schematic, Chassis  
Layout .....1182-VI
- 9-S-203—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 9-S-232—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 9-S-242—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 9-S-244—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 9-S-262—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 9-S-263—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 9-S-264—Schematic,  
Alignment, Operating  
Voltages .....1746-VII
- 10 .....572-II
- 10-AC .....313-III,  
315-III, 316-III
- 10-S-30 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S-30 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 10-S-147 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S-147 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 10-S-153 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S-153 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 10-S-155 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S-155 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 10-S-156 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S-156 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 10-S-157 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S157 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 10-S-160 (Chassis 1004)—  
Schematic (1st half) .....302-VII
- 10-S-160 (Chassis 1004)—  
Schematic (2nd half),  
Operating Voltages .....303-VII
- 11 .....572-II, 308-I,  
315-III, 316-III
- 11E .....308-I, 295-III, 317-III
- 12 .....572-II, 308-I,  
315-III, 316-III
- 12L-57 (Chassis 1202-1202A)  
Schematic .....1183-VI
- 12L-57 (Chassis 1202-1202A)  
Socket Voltages,  
Chassis Layout .....1184-VI
- 12L-57 (Chassis 1202-1202A)  
Service Data,  
Alignment .....1185-VI
- 12L-58 (Chassis 1202-1202A)  
Schematic .....1183-VI



## INDEX

(Page 57)

- ZENITH RADIO (Cont'd)**
- 12L-58 (Chassis 1202-1202A)  
Socket Voltages,  
Chassis Layout ..... 1184-VI
- 12L-58 (Chassis 1202-1202A)  
Service Data,  
Alignment ..... 1185-VI
- 12-S-205—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-S-232—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-S-245—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-S-265—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-S-266—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-S-267—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-S-268—Schematic,  
Alignment, Operating  
Voltages ..... 1747-VII
- 12-U-159 (Chassis 1203)—  
Schematic ..... 146-VII
- 12-U-158 (Chassis 1203)—  
Schematic (Continued),  
Operating Voltages ..... 147-VII
- 12-U-158 (Chassis 1203)—  
Schematic ..... 146-VII
- 12-U-159 (Chassis 1203)—  
Schematic (Continued),  
Operating Voltages ..... 147-VII
- 14 ..... 308-I
- 14E ..... 308-I
- 15 ..... 318-I
- 15E ..... 318-I, 295-III, 304-III
- 15EP ..... 318-I
- 15-U-246—Schematic,  
Alignment, Operating  
Voltages ..... 1748-VII
- 15-U-269—Schematic,  
Alignment, Operating  
Voltages ..... 1748-VII
- 15-U-270—Schematic,  
Alignment, Operating  
Voltages ..... 1748-VII
- 15-U-271—Schematic,  
Alignment, Operating  
Voltages ..... 1748-VII
- 15-U-272—Schematic,  
Alignment, Operating  
Voltages ..... 1748-VII
- 15-U-273—Schematic,  
Alignment, Operating  
Voltages ..... 1748-VII
- 16 ..... 309-I
- 16A61 (Chassis 1601C &  
1601P)—Schematic ..... 447-VII
- 16A61 (Chassis 1601C &  
1601P)—Alignment, Oper-  
ating Voltages, Chassis  
Layout ..... 448-VII
- 16A63 (Chassis 1601C &  
1601P)—Schematic ..... 447-VII
- 16A63 (Chassis 1601C &  
1601P)—Alignment, Oper-  
ating Voltages, Chassis  
Layout ..... 448-VII
- 16E ..... 318-I, 304-III, 347-III
- 16EP ..... 318-I, 304-III
- 17 ..... 309-I
- 18 ..... 295-III
- 27 ..... 311-I
- 30 ..... 295-III
- 31 Battery ..... 311-I
- 32 Battery ..... 311-I
- 33 ..... 312-I
- 33X ..... 310-I
- 34 ..... 312-I
- 34P ..... 310-I
- 35 ..... 312-I
- 35A ..... 312-I
- 35AP ..... 313-I
- 35APX ..... 316-I
- 35P ..... 313-I
- 35PX ..... 316-I
- 37A ..... 313-I
- 39 ..... 315-I
- 39A ..... 315-I, 304-III
- 40A ..... 315-I
- 41 ..... 319-I, 295-III
- 42 ..... 318-I, 300-III,  
306-III, 307-III, 313-III
- 50 ..... 295-III, 300-III, 302-III,  
303-III, 304-III, 305-III
- 52 ..... 308-III, 323-III,  
320-I, 300-III,  
310-III, 329-III
- 53 ..... 320-I
- 54 ..... 320-I
- 55 ..... 320-I
- 60 ..... 317-I
- 61 ..... 317-I
- 62 ..... 317-I
- 64 ..... 317-I
- 67 ..... 317-I
- 70 ..... 321-I
- 71 ..... 321-I
- 72 ..... 321-I
- 73 ..... 321-I
- 77 ..... 321-I
- 80 ..... 576-II, 320-A, B-Is
- 91 ..... 676-III, 678-III, 680-III,  
682-III, 684-III, 686-III,  
576A to 1-Is
- 92 ..... 676-III, 678-III, 680-III,  
682-III, 684-III, 686-III,  
576A to 1-Is
- 102 ..... 572-II
- 103, No. 5A ..... 576Q-Is
- 576R-Is, 576S-Is, 576T-Is
- 112 ..... 572-II
- 122 ..... 572-II
- 210 ..... 576Q, P-1Is
- 215 ..... 358-IV, 359-IV, 360-IV
- 216 ..... 358-IV, 359-IV, 360-IV
- 220 ..... 358-IV, 359-IV, 360-IV
- 225 ..... 358-IV, 359-IV, 360-IV
- 230 ..... 361-IV, 362-IV, 363-IV
- 240 ..... 361-IV, 362-IV, 363-IV
- 244 ..... 361-IV, 362-IV, 363-IV
- 245 ..... 361-IV, 362-IV, 363-IV
- 250 ..... 364-IV, 365-IV, 366-IV
- 258—Schematic ..... 1749-VII
- 260 ..... 364-IV, 365-IV, 366-IV
- 268—Schematic ..... 1749-VII
- 272 ..... 364-IV, 365-IV, 366-IV
- 278—Schematic ..... 1749-VII
- 280—Schematic ..... 1749-VII
- 281—Schematic ..... 1749-VII
- 289—Schematic ..... 1749-VII
- 333 ..... 316-I
- 342 ..... 312-I
- 342P ..... 310-I
- 352 ..... 312-I
- 352A ..... 312-I
- 352AP ..... 313-I
- 352APX ..... 316-I
- 352P ..... 313-I
- 352PX ..... 316-I
- 353A ..... 316-I
- 362 ..... 312-I
- 362X ..... 310-I
- 392 ..... 315-I
- 392A ..... 315-I
- 410 ..... 367-IV
- 411 ..... 368-IV, 369-IV, 370-IV
- 412 ..... 368-IV, 369-IV, 370-IV
- 420 ..... 319-I
- 420 ..... 367-IV
- 420 ..... 367-IV
- 420 ..... 368-IV, 369-IV, 370-IV
- 422 ..... 318-I
- 430 ..... 371-IV
- 440 ..... 371-IV
- 460 ..... 372-IV, 373-IV
- 462 ..... 973-V
- 474 ..... 979-V
- 475 ..... 974-V
- 476 ..... 980-V
- 476A ..... 980-V
- 476B ..... 981-V
- 478—Schematic ..... 1749-VII
- 500 ..... 374-IV, 375-IV, 376-IV
- 501 ..... 374-IV, 375-IV, 376-IV
- 503 ..... 374-IV, 375-IV, 376-IV
- 514 ..... 374-IV, 375-IV, 376-IV
- 515 ..... 374-IV, 375-IV, 376-IV
- 516 ..... 374-IV, 375-IV, 376-IV
- 520—Schematic ..... 1453-VII
- 520—Operating Voltages,  
Parts List ..... 1454-VII
- 521—Schematic ..... 1453-VII
- 521—Operating Voltages,  
Parts List ..... 1454-VII
- 522 ..... 320-I
- 530—Schematic, Parts List ..... 1750-VII
- 531—Schematic, Parts List ..... 1750-VII
- 532 ..... 320-I
- 533—Schematic, Parts List ..... 1750-VII
- 542 ..... 320-I
- 558—Schematic ..... 1749-VII
- 563 DC ..... 975-V
- 568—Schematic ..... 1749-VII
- 578—Schematic ..... 1749-VII
- 589—Schematic ..... 1749-VII
- 590—Schematic ..... 1749-VII
- 600 ..... 374-IV, 375-IV, 376-IV
- 602 ..... 317-I
- 603—Schematic, Parts List ..... 1750-VII
- 604 ..... 374-IV, 375-IV, 376-IV
- 606 ..... 374-IV, 375-IV, 376-IV
- 610 ..... 374-IV, 375-IV, 376-IV
- 612—Schematic, Parts List ..... 1750-VII
- 616 ..... 374-IV, 375-IV, 376-IV
- 617—Schematic, Parts List ..... 1750-VII
- 618 ..... 374-IV, 375-IV, 376-IV
- 620—Schematic, Parts List ..... 1750-VII
- 622 ..... 317-I
- 623—Schematic, Parts List ..... 1750-VII
- 642 ..... 317-I
- 650-HD ..... 976-V
- 651-HE ..... 976-V
- 660-TD ..... 976-V
- 661-TE ..... 976-V
- 663 (Chassis 5510),  
Auto Set—Schematic ..... 1186-VI
- 664 (Chassis 5510),  
Auto Set—Schematic ..... 1186-VI
- 666 (Chassis 5616)—  
Schematic, Alignment,  
Operating Voltages,  
Chassis Layout ..... 145-VII
- 672 ..... 317-I
- 701 AC-DC ..... 977-V
- 705 ..... 978-V
- 706 ..... 978-V
- 707 ..... 978-V
- 710 ..... 377-IV
- 711 ..... 978-V
- 712 ..... 978-V
- 715 ..... 979-V
- 722 ..... 321-I
- 732 ..... 321-I
- 750 ..... 978-V
- 755 ..... 979-V
- 756 ..... 979-V
- 760 ..... 974-V
- 765 ..... 974-V
- 767 ..... 974-V
- 770 ..... 980-V
- 770-B ..... 981-V
- 775 ..... 980-V
- 775-B ..... 981-V
- 780 ..... 980-V
- 806—Schematic, Alignment,  
Operating Voltages,  
Parts List ..... 1455-VII
- 807—Schematic, Alignment,  
Operating Voltages,  
Parts List ..... 1455-VII
- 808—Schematic, Chassis  
Layout, Trimmer Loca-  
tions ..... 1310-VII
- 808—Alignment, Operating  
Voltages ..... 1312-VII
- 809—Schematic, Chassis  
Layout, Trimmer Loca-  
tions ..... 1310-VII
- 809—Alignment, Operating  
Voltages ..... 1312-VII
- 811 (Chassis 5609)—  
Schematic ..... 301-VII
- 812—Schematic, Chassis  
Layout, Trimmer Loca-  
tions, Parts List ..... 1311-VII
- 812—Alignment, Operating  
Voltages ..... 1312-VII
- 825 ..... 982-V
- 827 ..... 982-V
- 829 ..... 982-V
- 850—Schematic, Alignment,  
Operating Voltages, Parts  
List ..... 1455-VII
- 860—Schematic, Chassis  
Layout, Trimmer Loca-  
tions ..... 1310-VII
- 860—Alignment, Operating  
Voltages ..... 1312-VII
- 861—Schematic, Chassis  
Layout, Trimmer Loca-  
tions ..... 1310-VII
- 861—Alignment, Operating  
Voltages ..... 1312-VII
- 862 (Chassis 5609)—  
Schematic ..... 301-VII
- 865 (Chassis 5609)—  
Schematic ..... 301-VII
- 866 (Chassis 5609)—  
Schematic ..... 301-VII
- 870 ..... 982-V
- 908 (Chassis 5614)—  
Schematic, Alignment,  
Operating Voltages,  
Chassis Layout ..... 151-VII
- 909 (Chassis 5614)—  
Schematic, Alignment,  
Operating Voltages,  
Chassis Layout ..... 151-VII
- 945 (Chassis 5508 & 5509)  
Schematic ..... 306-VII
- 950 (Chassis 5508 & 5509)  
Schematic ..... 306-VII
- 960 (Chassis 5614)—  
Schematic, Alignment,  
Operating Voltages,  
Chassis Layout ..... 151-VII
- 961 (Chassis 5614)—  
Schematic, Alignment,  
Operating Voltages,  
Chassis Layout ..... 151-VII
- 970 (Chassis 5902)—  
Schematic ..... 304-VII
- 970 (Chassis 5902)—Align-  
ment, Operating Voltages,  
Service Hints ..... 305-VII
- 975 (Chassis 5902)—  
Schematic ..... 304-VII
- 975 (Chassis 5902)—Align-  
ment, Operating Voltages,  
Service Hints ..... 305-VII
- 980—Schematic ..... 590-VII
- 980—Alignment, Service  
Notes ..... 592-VII
- 980—Operating Voltages,  
Chassis Layout, Trimmer  
Locations ..... 591-VII
- 985—Schematic ..... 590-VII
- 985—Alignment, Service  
Notes ..... 592-VII
- 985—Operating Voltages,  
Chassis Layout, Trimmer  
Locations ..... 591-VII
- 990—Schematic ..... 590-VII
- 990—Alignment, Service  
Notes ..... 592-VII
- 990—Operating Voltages,  
Chassis Layout, Trimmer  
Locations ..... 591-VII
- 1004—Schematic (1st half)  
Schematic ..... 302-VII
- 1004—Schematic (2nd half)  
Operating Voltages ..... 303-VII
- 1162 (Chassis 5609)—  
Schematic ..... 301-VII

# INDEX

(Page 58)

**ZENITH RADIO (Cont'd)**

1170—Schematic, Parts List .....1456-VII  
 1201—Schematic .....590-VII  
 1201—Alignment, Service Notes .....592-VII  
 1201—Operating Voltages, Chassis Layout, Trimmer Locations .....591-VII  
 1201L—Schematic .....590-VII  
 1201L—Alignment, Service Notes .....592-VII  
 1201L—Operating Voltages, Chassis Layout, Trimmer Locations .....591-VII  
 1203—Schematic .....146-VII  
 1203—Schematic (Continued) Operating Voltages .....147-VII  
 1204—Schematic, Alignment, Operating Voltages .....1747-VII  
 1501—Schematic, Alignment, Operating Voltages .....1748-VII  
 1601C—Schematic .....447-VII  
 1601C—Alignment, Operating Voltages, Chassis Layout .....448-VII  
 1601P—Schematic .....447-VII  
 1601P—Alignment, Operating Voltages, Chassis Layout .....448-VII  
 2009-C .....576M-IIIs  
 2009-C-P (LP).....576L-IIIs  
 2012 .....689-III  
 2012J .....689-III  
 2022-(A-B) .....378-IV  
 2030 .....367-IV  
 2032 .....980-V  
 2036 .....361-IV, 362-IV  
 2037 .....374-IV, 375-IV, 376-IV  
 2038—Schematic, Parts List .....1750-VII  
 2042A & B.....378-IV, 379-IV  
 2043 .....367-IV  
 2044 .....358-IV, 359-IV, 360-IV  
 2046 .....380-IV, 382-IV, 384-IV  
 2051—Schematic .....1749-VII  
 2052 .....978-V  
 2052-A .....978-V  
 2052-B .....978-V  
 2052-C .....978-V  
 2053-B .....979-V  
 2054 .....974-V  
 2054-B .....974-V  
 2056 .....983-V

2056-I .....983-V  
 2057 .....976-V  
 2059 .....981-V  
 2501C—Schematic .....148-VII  
 2501C—Schematic (Continued) .....149-VII  
 2501C—Alignment, Operating Voltages .....150-VII  
 2501P—Schematic .....148-VII  
 2501P—Schematic (Continued) .....149-VII  
 2501P—Alignment, Operating Voltages .....150-VII  
 5407—Schematic, Alignment, Operating Voltages .....875-VII  
 5408—Schematic, Alignment, Operating Voltages, Chassis Layout, Trimmer Locations .....1734-VII  
 5409—Schematic, Alignment, Operating Voltages, Chassis Layout, Trimmer Locations .....1733-VII  
 5504—Schematic, Alignment, Operating Voltages, Parts List .....1455-VII  
 5505—Schematic, Alignment, Operating Voltages, Parts List .....1455-VII  
 5506—Schematic, Alignment, Operating Voltages, Parts List .....1455-VII  
 5507—Schematic, Alignment, Operating Voltages, Parts List .....1455-VII  
 5508—Schematic .....306-VII  
 5509—Schematic .....306-VII  
 5518—Schematic, Alignment, Operating Voltages .....876-VII  
 5519—Schematic, Alignment, Operating Voltages .....878-VII  
 5520—Schematic, Parts List .....877-VII  
 5520—Alignment .....1309-VII  
 5520—Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations .....1163-VII  
 5521—Schematic, Alignment, Operating Voltages .....1738-VII  
 5522—Schematic, Alignment, Operating Voltages .....1735-VII

5524—Schematic, Alignment, Operating Voltages .....1736-VII  
 5526—Schematic, Alignment, Operating Voltages .....1737-VII  
 5605—Schematic, Chassis Layout, Trimmer Locations .....1310-VII  
 5605—Alignment, Operating Voltages .....1312-VII  
 5607—Schematic, Chassis Layout, Trimmer Locations .....1310-VII  
 5607—Alignment, Operating Voltages .....1312-VII  
 5608—Schematic, Chassis Layout, Trimmer Locations, Parts List .....1311-VII  
 5608—Alignment, Operating Voltages .....1312-VII  
 5609—Schematic .....301-VII  
 5614—Schematic, Alignment, Operating Voltages, Chassis Layout .....151-VII  
 5616—Schematic, Alignment, Operating Voltages, Chassis Layout .....145-VII  
 5618—Schematic, Alignment, Operating Voltages, Chassis Layout .....589-VII  
 5638—Schematic, Alignment, Operating Voltages .....1741-VII  
 5639—Schematic, Operating Voltages, Trimmer Locations .....1739-VII  
 5642—Schematic, Alignment, Operating Voltages .....1740-VII  
 5644—Schematic, Alignment, Operating Voltages .....1742-VII  
 5701 .....982-V  
 5701R—Schematic, Parts List .....1456-VII  
 5702 .....982-V  
 5702R—Schematic, Parts List .....1456-VII  
 5703 .....982-V  
 5703R—Schematic, Parts List .....1456-VII  
 5709—Schematic, Alignment, Operating Voltages .....1745-VII  
 5710—Schematic, Alignment, Operating Voltages .....1743-VII

5711—Schematic, Alignment, Operating Voltages .....1744-VII  
 5803—Schematic, Operating Voltages, Chassis Layout, Under Chassis Layout, Trimmer Locations .....1166-VII  
 5803—Alignment .....1309-VII  
 5902—Schematic .....304-VII  
 5902—Alignment, Operating Voltages, Service Hints .....305-VII  
 5905—Schematic, Alignment, Operating Voltages .....1746-VII

**ZEPHYR RADIO CO.**

C AC-DC (Serial No. 750,001 Up)—Schematic .....735-VII  
 DB (Serial No. 755,001 Up) Schematic .....736-VII  
 DF (Serial No. 755,001 Up) Schematic .....736-VII  
 3M7 Auto—Schematic .....879-VII  
 3M8 Auto—Schematic .....879-VII  
 5DA-2 Volt Set (Serial No. 455,001 Up)—Schematic .....735-VII  
 8J (Serial No. 765,001 Up) Schematic .....736-VII  
 25Y11 (Serial No. 902,001 Up)—Schematic .....880-VII  
 26Y11 (Serial No. 902,001 Up)—Schematic .....880-VII  
 27Y11 (Serial No. 902,001 Up)—Schematic .....880-VII  
 30Y9 (Serial No. 707,001 Up)—Schematic .....880-VII  
 31Y9 (Serial No. 707,001 Up)—Schematic .....880-VII  
 32Y5 All-Wave—Schematic .....1023-VII  
 32Y6 All-Wave—Schematic .....1024-VII  
 33X5—Schematic .....1167-VII  
 34X5—Schematic .....1167-VII  
 41X5—Schematic .....1167-VII  
 42X5—Schematic .....1167-VII  
 61X5—Schematic .....1168-VII