NOTE

Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.
(Refer to FCC Rules and Regulations Part 95, Subpart C & D.)

The frequency of the transmitter should be checked periodically with a secondary frequency standard to insure proper and legal operation.

Best results will be obtained when adjusting the final RF output circuit if the antenna normally used is connected and the chassis is as nearly in the cabinet as possible.

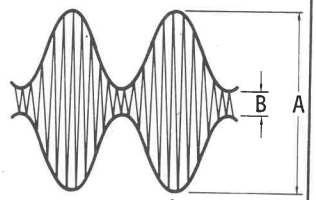
Connect either 50-ohm dummy load or the normally used antenna system.

MODEL SBE-26CB/A

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206
 Printed in U. S. of America 8CE776

ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment.
Allow a 15-minute warm-up period.
Adjustments made with 13.8 volt DC input.
Connect low sides of test equipment to ground unless specified otherwise.
Connect 50-ohm dummy load or antenna before keying transmitter.
Connect Microphone.
Suggested Alignment Tools:..... GC ELECTRONICS
T1, L1, L3, L4, L11, L13, L14..... 9440
T2-1, T2-2, T3, T4, T5, T6..... 5000, 5009, 8276, 8728, 8728A
L6, L8, L9, T7..... 8282, 9304, 8728, 8728A



Modulation Ratio = $\frac{A - B}{A + B}$ x 100 (%)

FIGURE 1

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of frequency counter to TP1 (IC5 pin 14).	Ch. 19 Fine Tune Midrange	L11	Adjust for 10.240MHz.
Input of frequency counter to TP1 (IC5 pin 14).	Ch. 19 XMT Fine Tune Midrange		Check for 10.380MHz.
Input of DC meter to TP3.	Ch. 19 Fine Tune Midrange	L14	Adjust for 2.00 volts.
Input of oscilloscope to TP5 (Q23 collector).	Ch. 19	L13	Adjust for maximum RF.
Input of frequency counter to TP5 (Q23 collector).	Ch. 1 Fine Tune Midrange		Check for 16.270MHz. Check all channels. (See Truth Chart for correct frequencies.)
Input of frequency counter to TP5 (Q23 collector).	Ch. 1 XMT		Check for 16.726MHz. Check all channels. (See Truth Chart for correct frequencies.)

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Set generator output low enough to prevent AGC limiting.
Fine Tune Midrange, LOC/DIS Switch DIS, Squelch MINIMUM, NL Switch off.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP6 (D4 cathode). 455kHz, 1000Hz @ 30% modulation.	Ch. 19	T6,T5,T4,T3	Adjust for maximum output.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation.	Ch. 19	T2-2,T2-1,L1, T1	Adjust for maximum output. If necessary readjust T3, T4, T5 and T6 for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.
Fine Tune Midrange, LOC/DIS Switch DIS, NL Switch off.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 1000uV.	Ch. 19 Squelch Maximum	VR8	SQUELCH RANGE Adjust so that squelch just breaks.
Output of signal generator thru .01uF to antenna input. 27.185MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 19 Squelch MINIMUM	VR7	S METER Adjust for 9 on S scale of meter.

TRANSMITTER ALIGNMENT

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of RF wattmeter and 50 ohm, 25 watt dummy load to antenna input.	Ch. 19	L3,L4,T7,L6	Adjust for maximum RF output.
Input of RF wattmeter and 50 ohm, 25 watt dummy load to antenna input.	Ch. 19	L8,L9	Adjust for 4.0 watts RF output maximum.

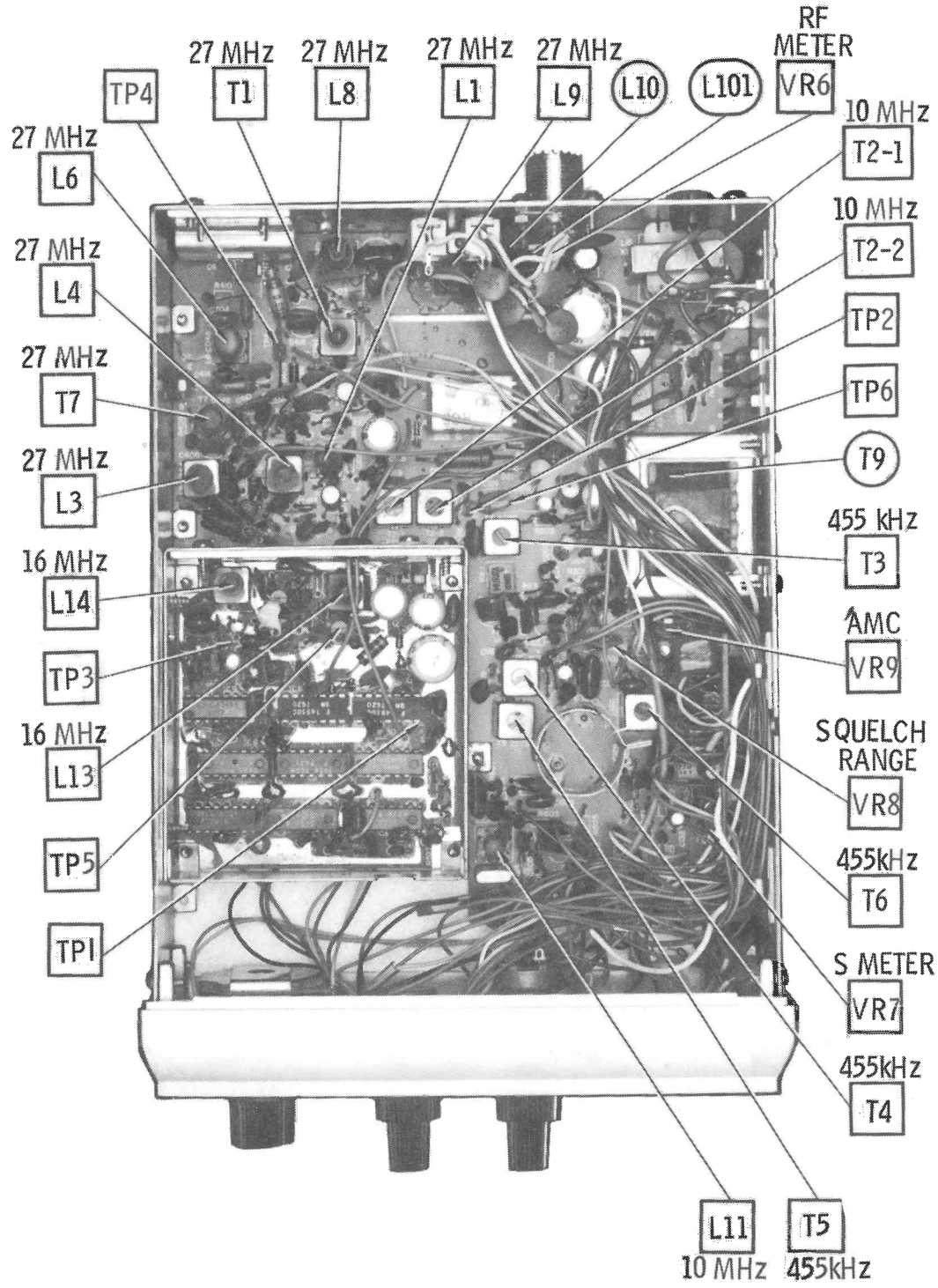
TRANSMITTER ADJUSTMENTS

Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after adjustment of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Input of oscilloscope or modulation meter to antenna input. Inject a 1000Hz, 10mV signal at Mic input.	Ch. 19	VR9	AMC Adjust for 100% modulation maximum. See Figure 1.
Input of RF wattmeter and 50 ohm, 25 watt dummy load to antenna input.	Ch. 19	VR6	RF METER Adjust so that RF meter agrees with RF wattmeter

TRUTH CHART

CHANNEL	1 = 4.90 Volts 0 = 0 Volts PROGRAM DIVIDER								REC SYNTH OUTPUT IN MHz AT TP2	XMIT SYNTH OUTPUT IN MHz AT TP2	
	←IC2→		←PINS→			←IC1→					
	4	3	7	6	5	4	3				
1	1	1	1	1	1	1	0		16.270	16.727	
2	1	1	1	1	1	0	1		16.280	16.737	
3	1	1	1	1	1	0	0		16.290	16.747	
4	1	1	1	1	0	1	0		16.310	16.767	
5	1	1	1	1	0	0	1		16.320	16.777	
6	1	1	1	1	0	0	0		16.330	16.787	
7	1	1	1	0	1	1	1		16.340	16.797	
8	1	1	1	0	1	0	1		16.360	16.817	
9	1	1	1	0	1	0	0		16.370	16.827	
10	1	1	1	0	0	1	1		16.380	16.837	
11	1	1	1	0	0	1	0		16.390	16.847	
12	1	1	1	0	0	0	0		16.410	16.867	
13	1	0	1	1	1	1	1		16.420	16.877	
14	1	0	1	1	1	1	0		16.430	16.887	
15	1	0	1	1	1	0	1		16.440	16.897	
16	1	0	1	1	0	1	1		16.460	16.917	
17	1	0	1	1	0	1	0		16.470	16.927	
18	1	0	1	1	0	0	1		16.480	16.937	
19	1	0	1	1	0	0	0		16.490	16.947	
20	1	0	1	0	1	1	0		16.510	16.967	
21	1	0	1	0	1	0	1		16.520	16.977	
22	1	0	1	0	1	0	0		16.530	16.987	
23	1	0	1	0	0	0	1		16.560	17.017	
24	1	0	1	0	0	1	1		16.540	16.997	
25	1	0	1	0	0	1	0		16.550	17.007	
26	1	0	1	0	0	0	0		16.570	17.027	
27	0	1	1	1	1	1	1		16.580	17.037	
28	0	1	1	1	1	1	0		16.590	17.047	
29	0	1	1	1	1	0	1		16.600	17.057	
30	0	1	1	1	1	0	0		16.610	17.067	
31	0	1	1	1	0	1	1		16.620	17.077	
32	0	1	1	1	0	1	0		16.630	17.087	
33	0	1	1	1	0	0	1		16.640	17.097	
34	0	1	1	1	0	0	0		16.650	17.107	
35	0	1	1	0	1	1	1		16.660	17.117	
36	0	1	1	0	1	1	0		16.670	17.127	
37	0	1	1	0	1	0	1		16.680	17.137	
38	0	1	1	0	1	0	0		16.690	17.147	
39	0	1	1	0	0	1	1		16.700	17.157	
40	0	1	1	0	0	1	0		16.710	17.167	



CHASSIS-BOTTOM

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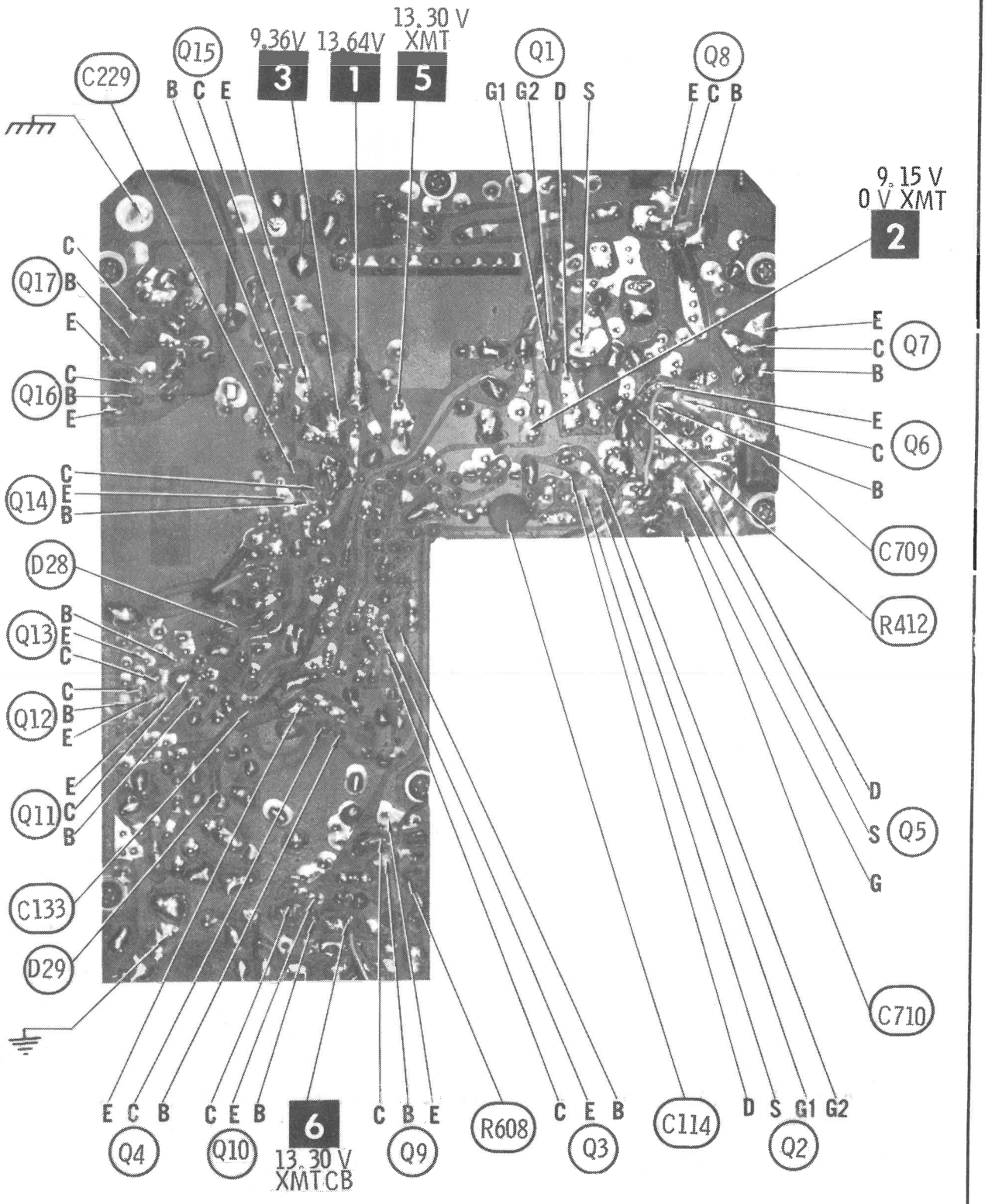
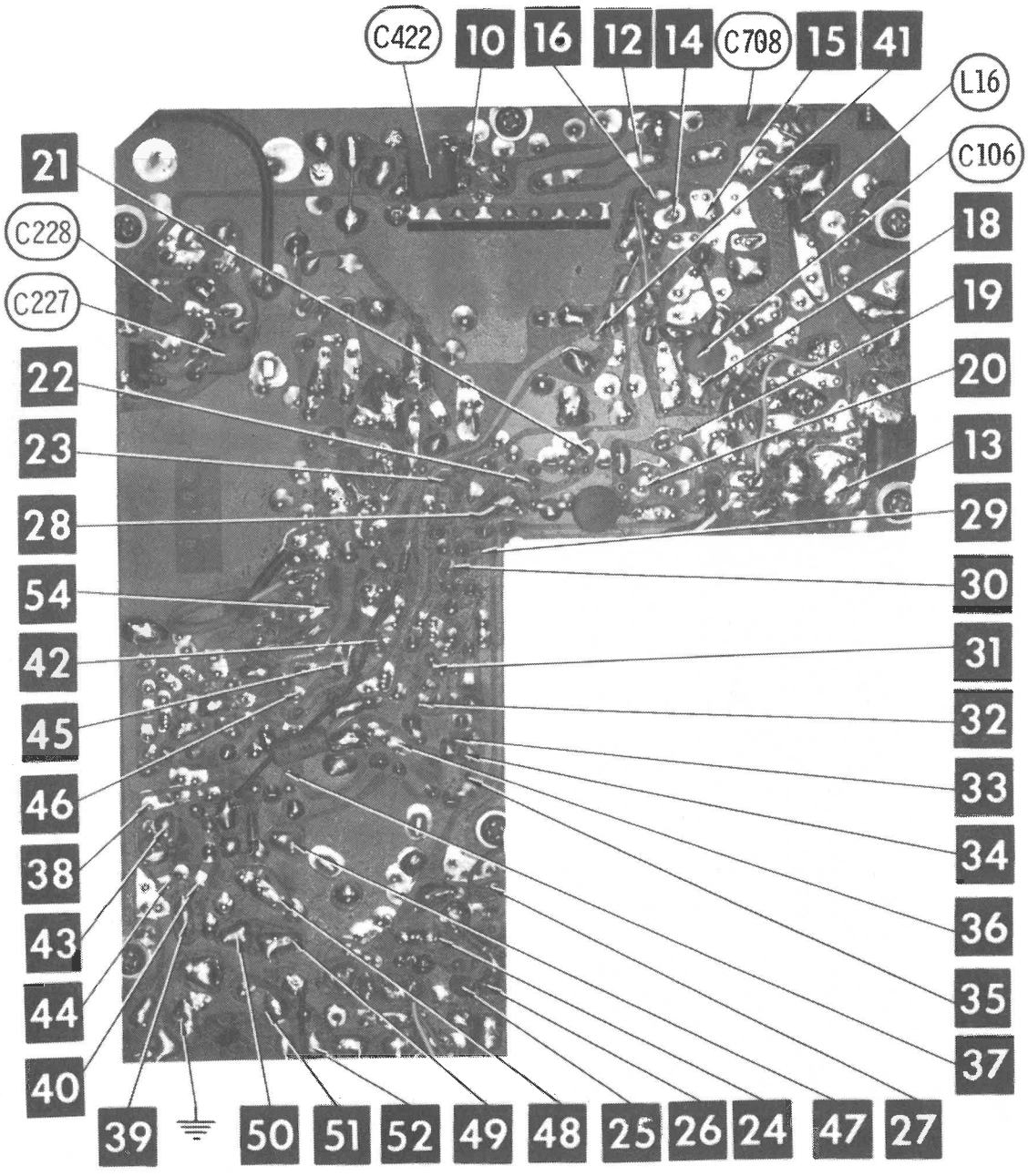


MAIN BOARD


C422
10
16
12
14
C708
15
41
L16
C106
21
C228
C227
22
23
28
54
42
45
46
38
43
44
40
39
50
51
52
49
48
25
26
24
47
27
18
19
20
13
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35
37

MAIN BOARD

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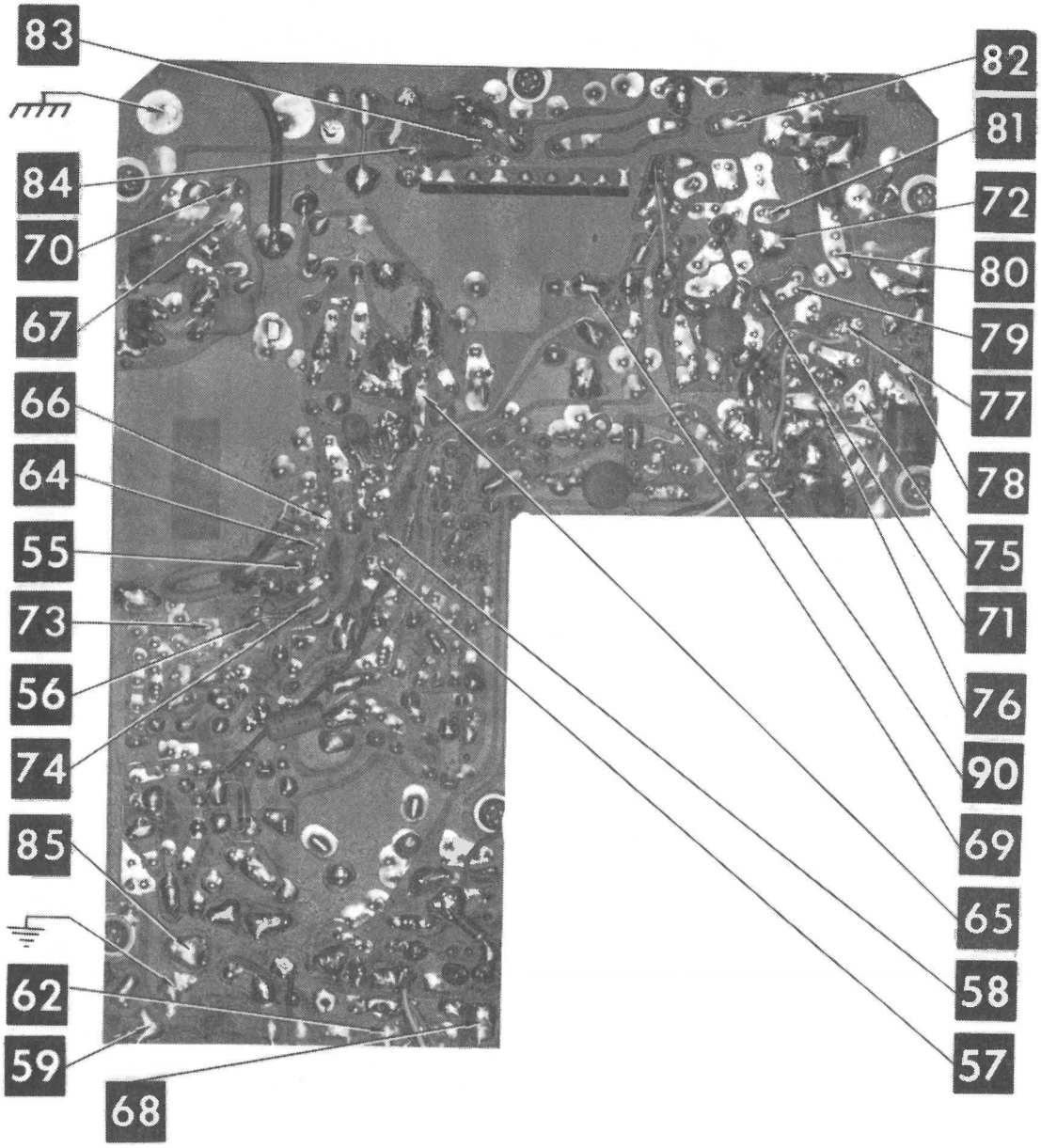
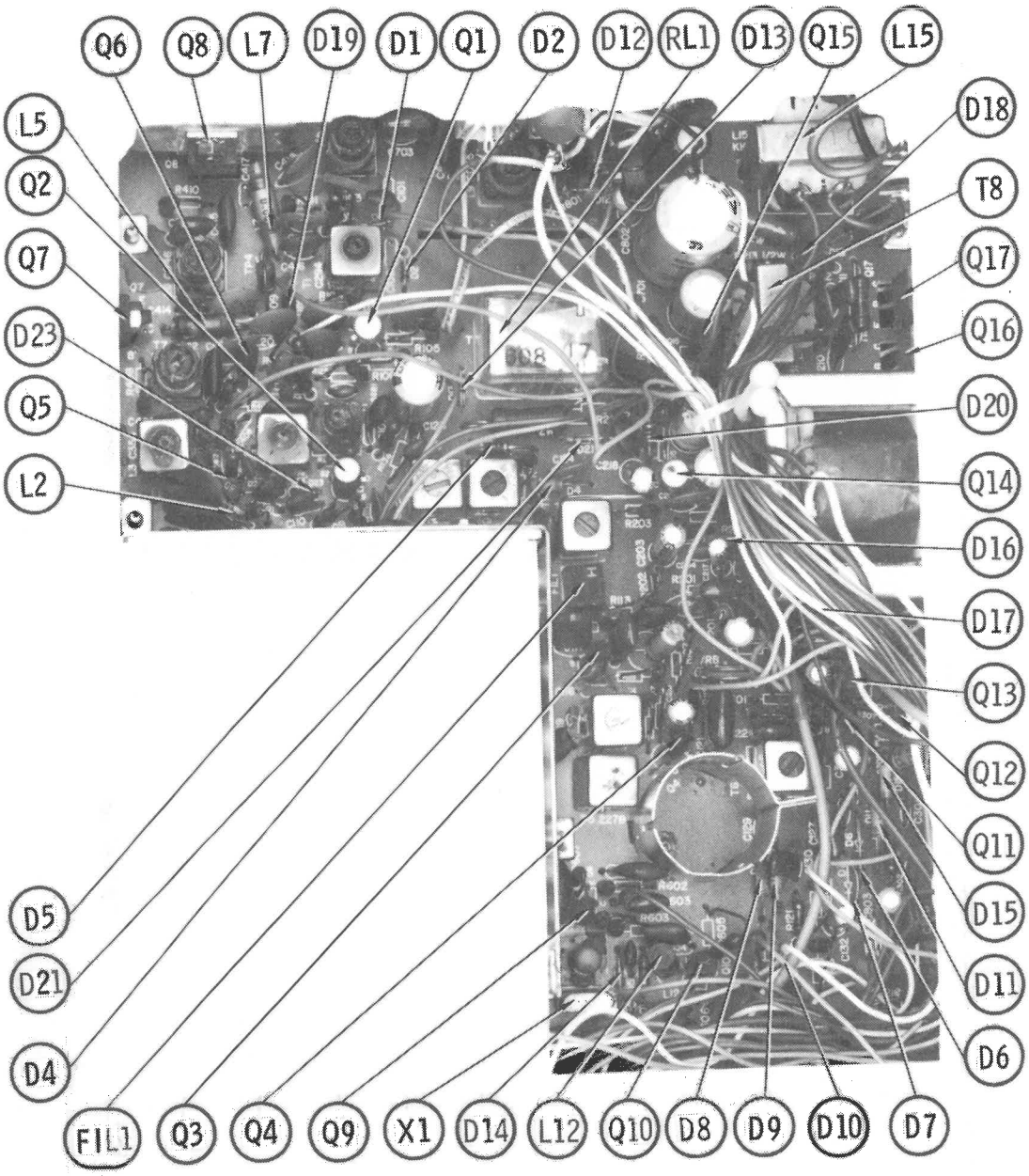
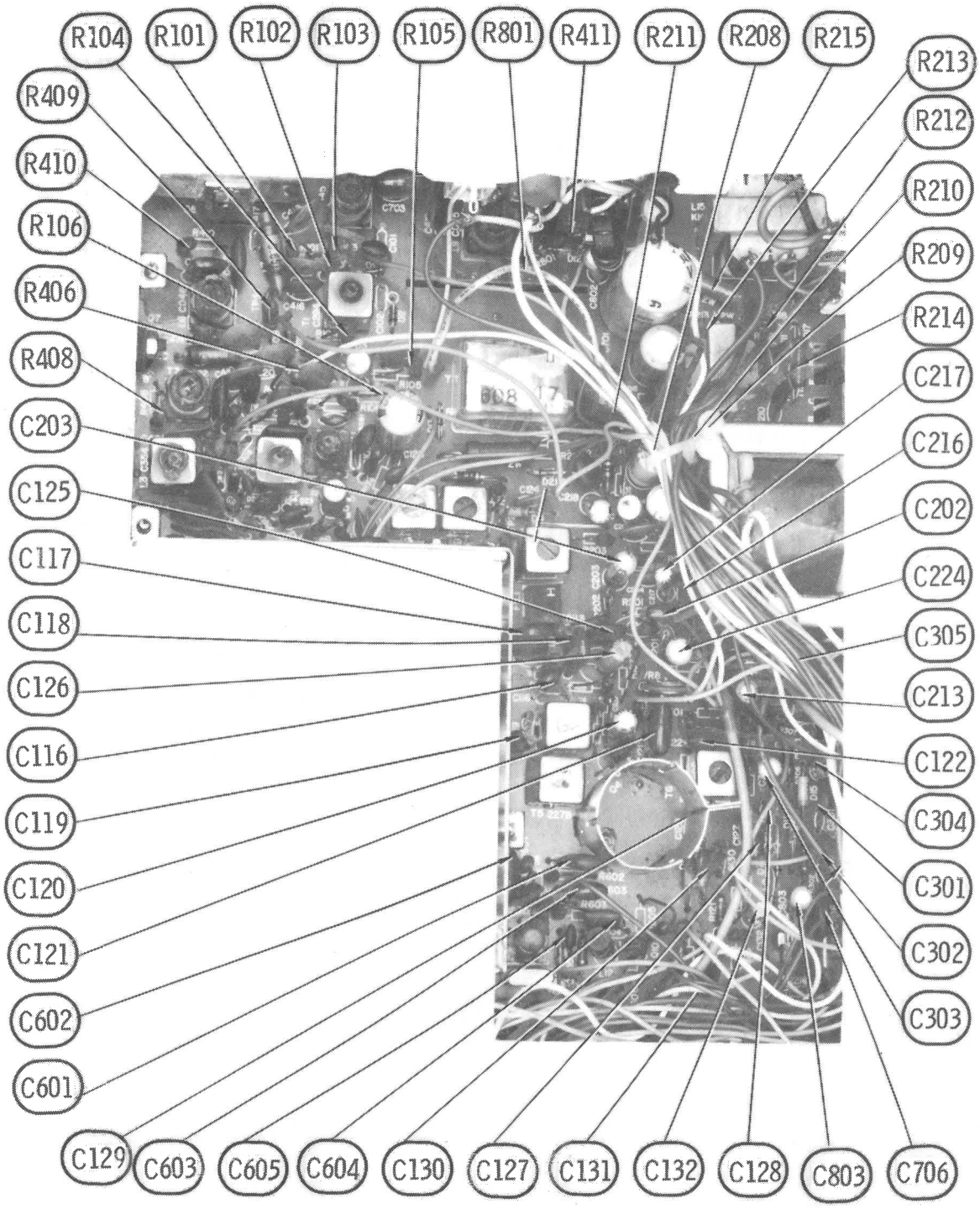


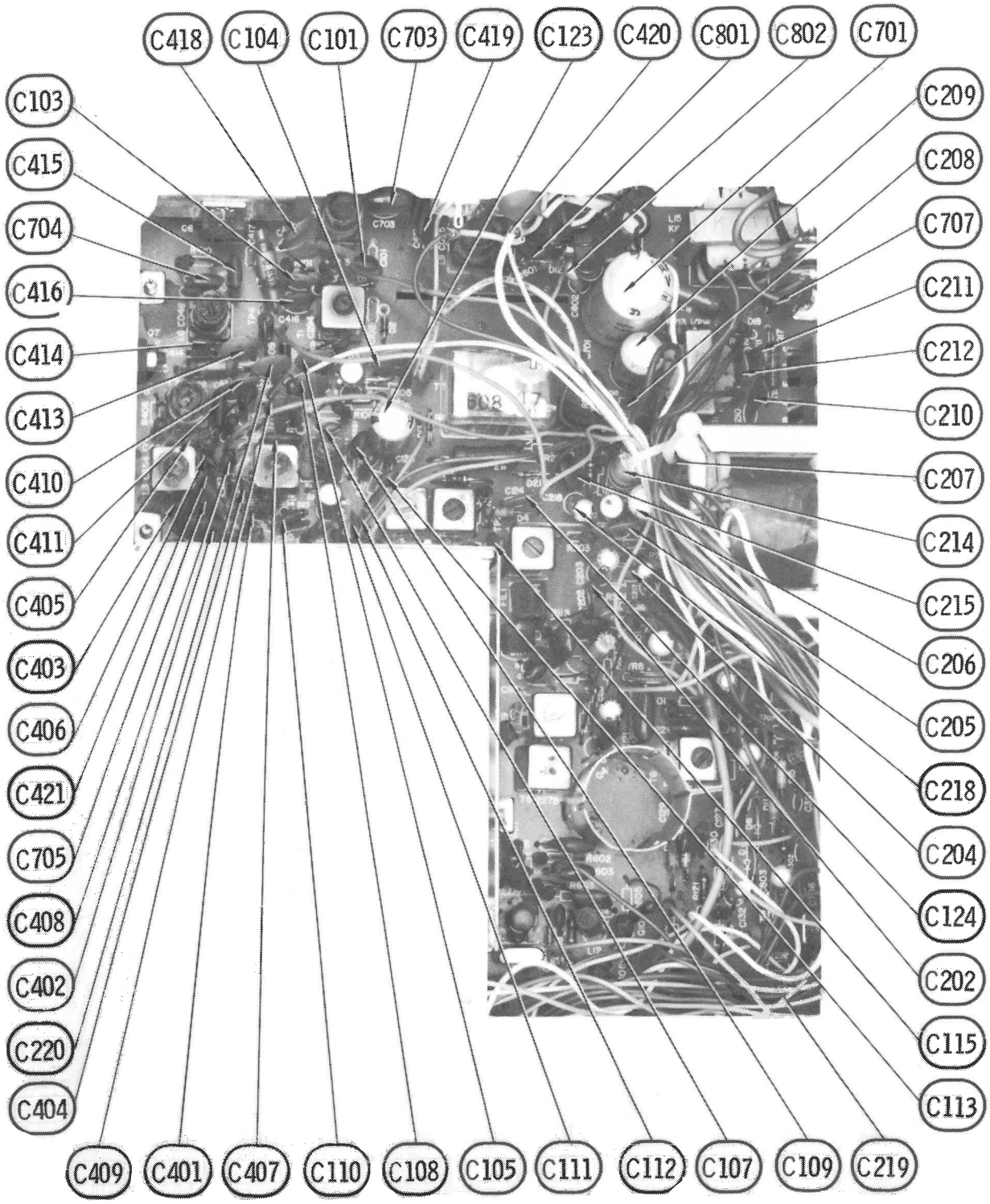
MAIN BOARD


Q6
Q8
L7
D19
D1
Q1
D2
D12
RL1
D13
Q15
L15
L5
Q2
Q7
D23
Q5
L2
D18
T8
Q17
Q16
D20
Q14
D16
D17
Q13
Q12
Q11
D15
D11
D6
D5
D21
D4
FIL1
Q3
Q4
Q9
X1
D14
L12
Q10
D8
D9
D10
D7

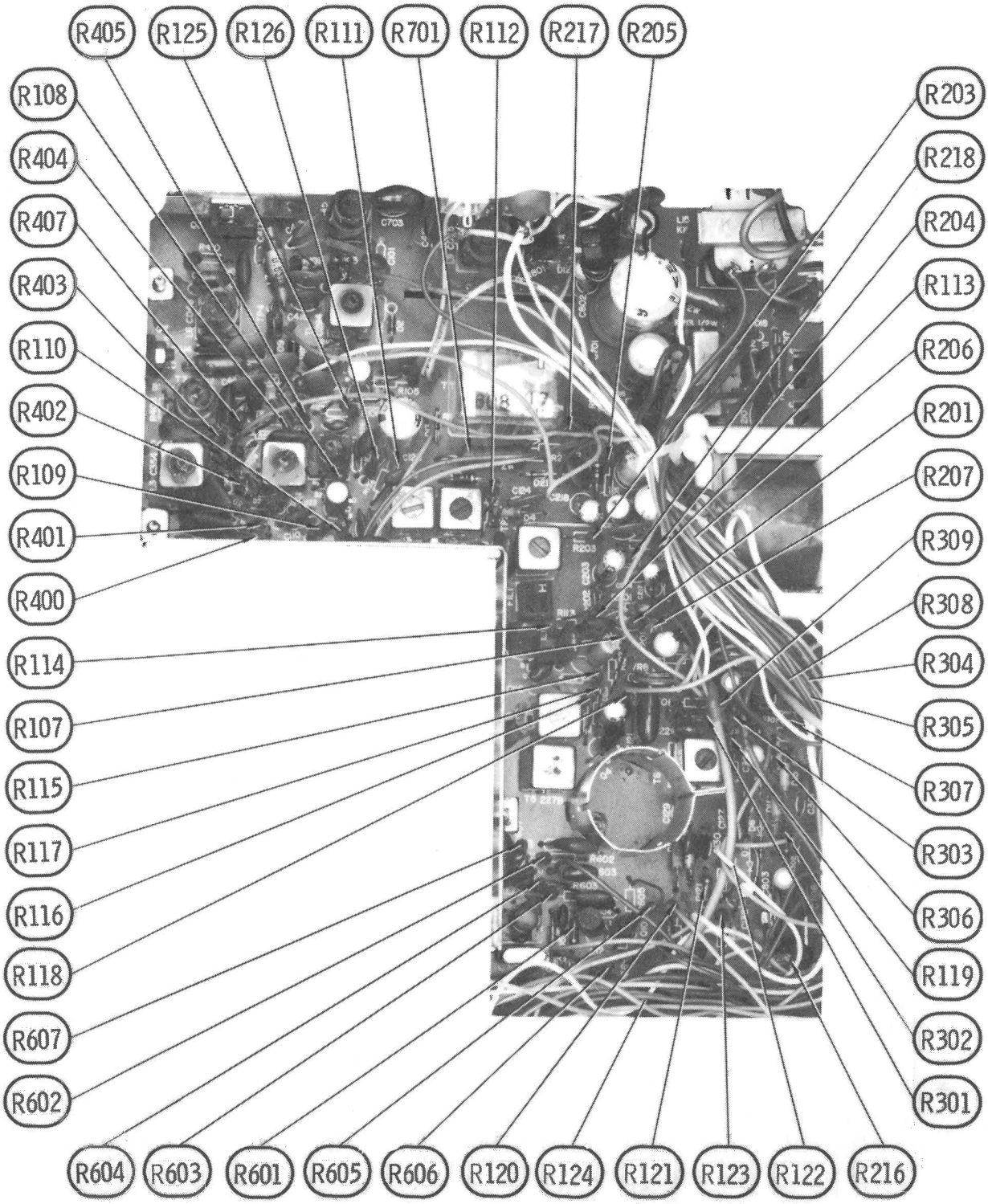
MAIN BOARD


R104
R101
R102
R103
R105
R801
R411
R211
R208
R215
R213
R409
R212
R410
R210
R106
R209
R406
R214
R408
C217
C203
C216
C125
C202
C117
C224
C118
C305
C126
C213
C116
C122
C119
C304
C120
C301
C121
C302
C602
C303
C601
C129
C603
C605
C604
C130
C127
C131
C132
C128
C803
C706

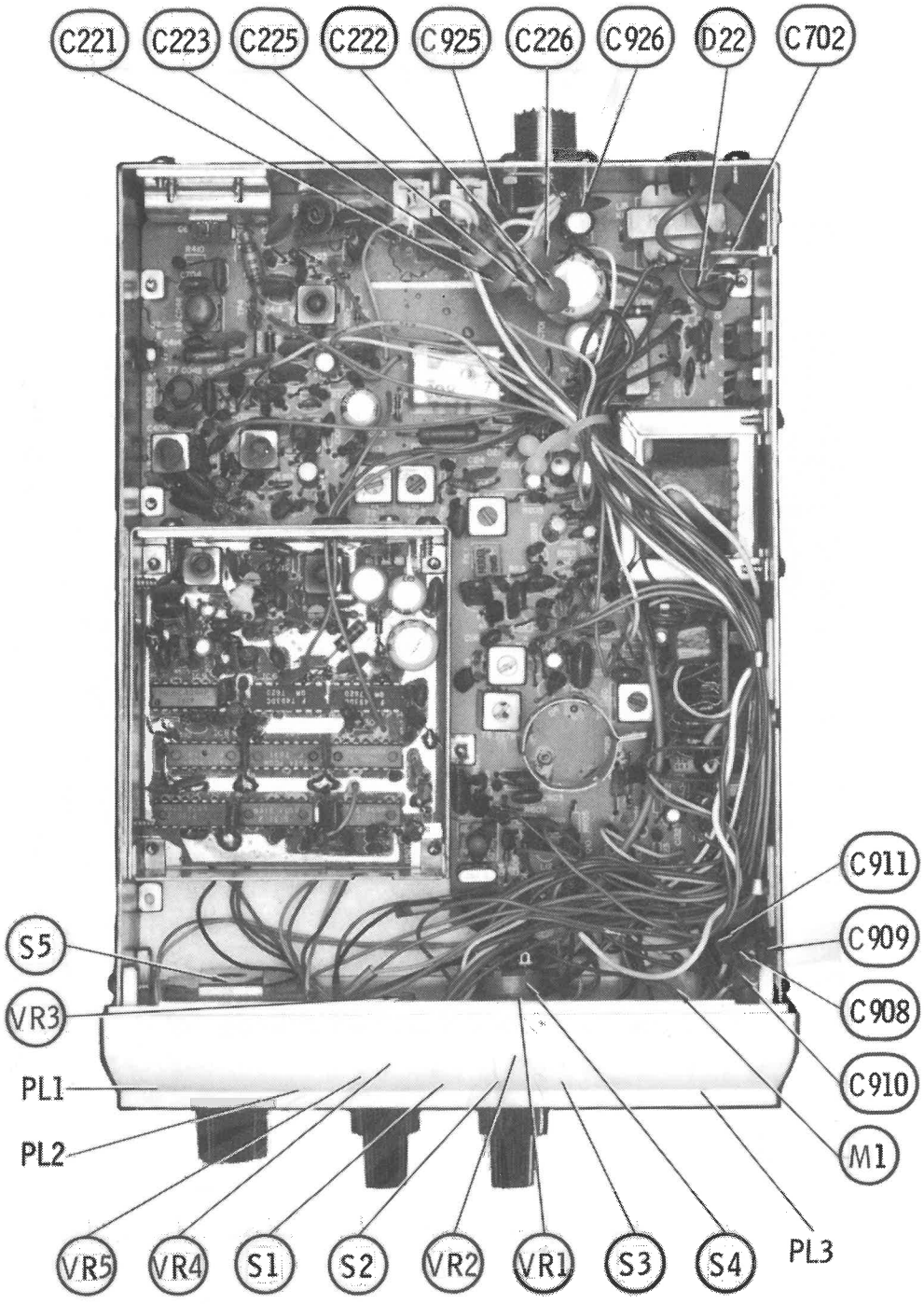
MAIN BOARD


C418
C104
C101
C703
C419
C123
C420
C801
C802
C701
C103
C415
C704
C416
C414
C413
C410
C411
C405
C403
C406
C421
C705
C408
C402
C220
C404
C209
C208
C707
C211
C212
C210
C207
C214
C215
C206
C205
C218
C204
C124
C202
C115
C113
C409
C401
C407
C110
C108
C105
C111
C112
C107
C109
C219

MAIN BOARD


R405
R125
R126
R111
R701
R112
R217
R205
R108
R404
R407
R403
R110
R402
R109
R401
R400
R114
R107
R115
R117
R116
R118
R607
R602
R604
R603
R601
R605
R606
R120
R124
R121
R123
R122
R216
R203
R218
R204
R113
R206
R201
R207
R309
R308
R304
R305
R307
R303
R306
R119
R302
R301

MAIN BOARD



CHASSIS - BOTTOM

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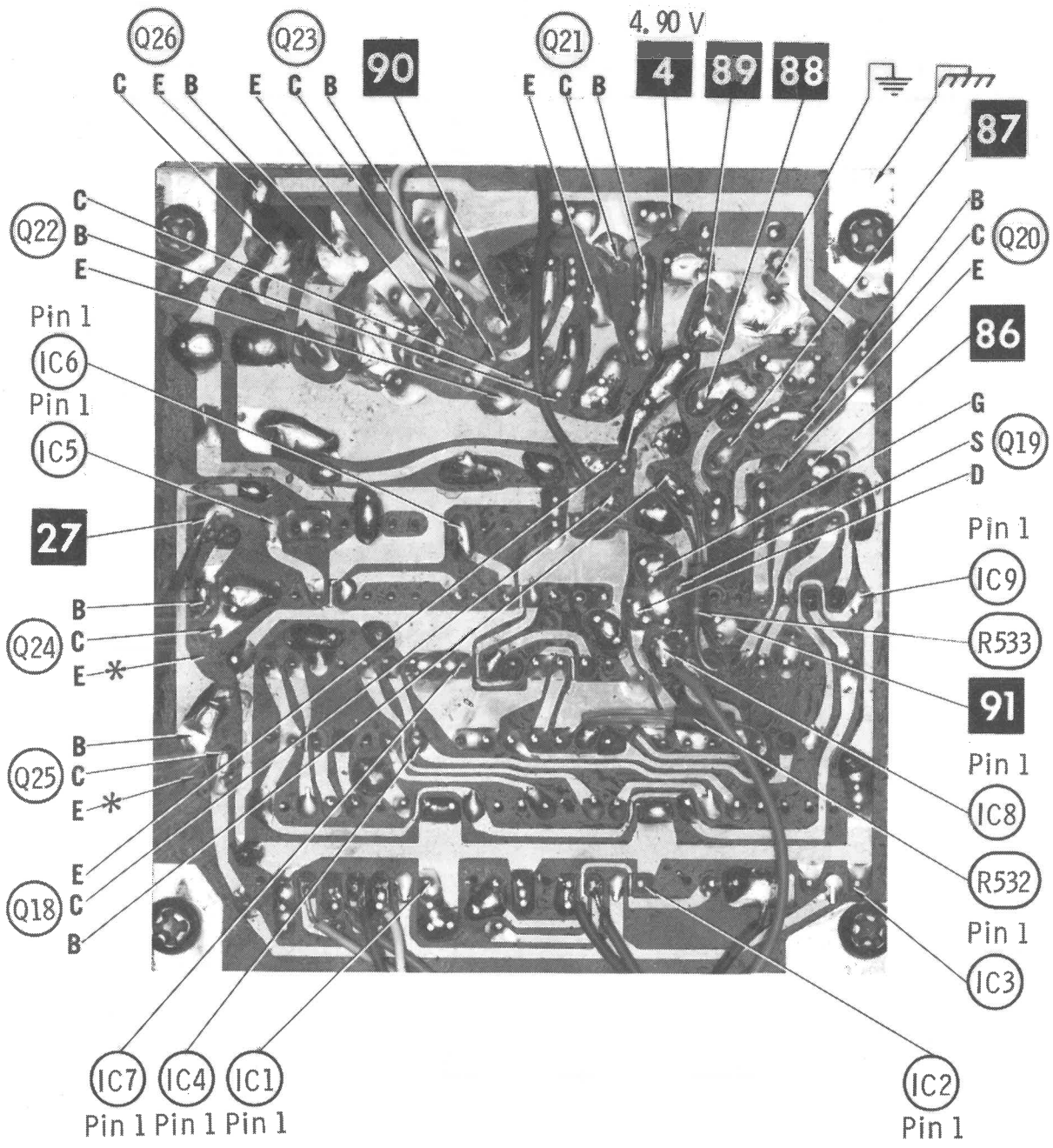
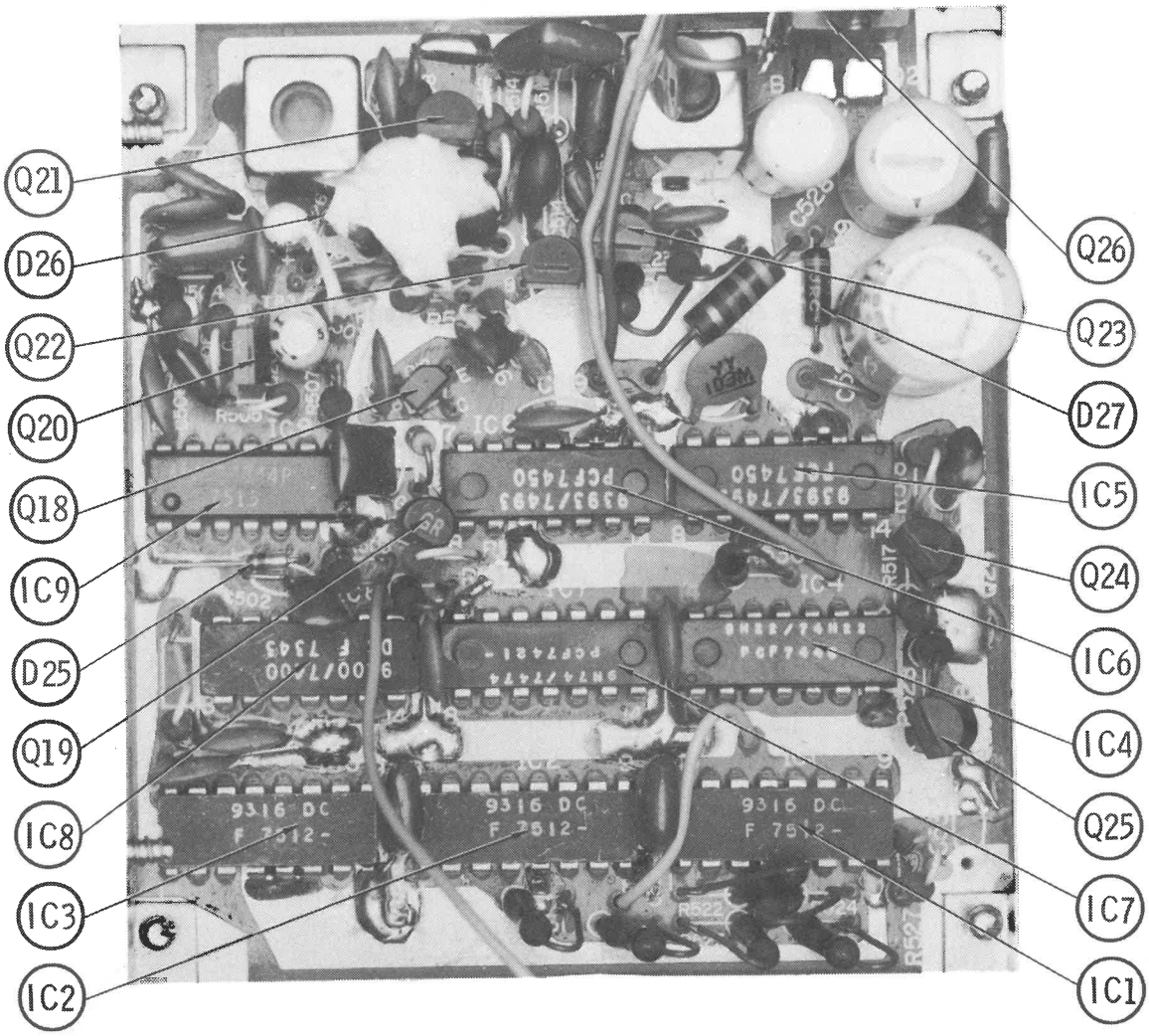
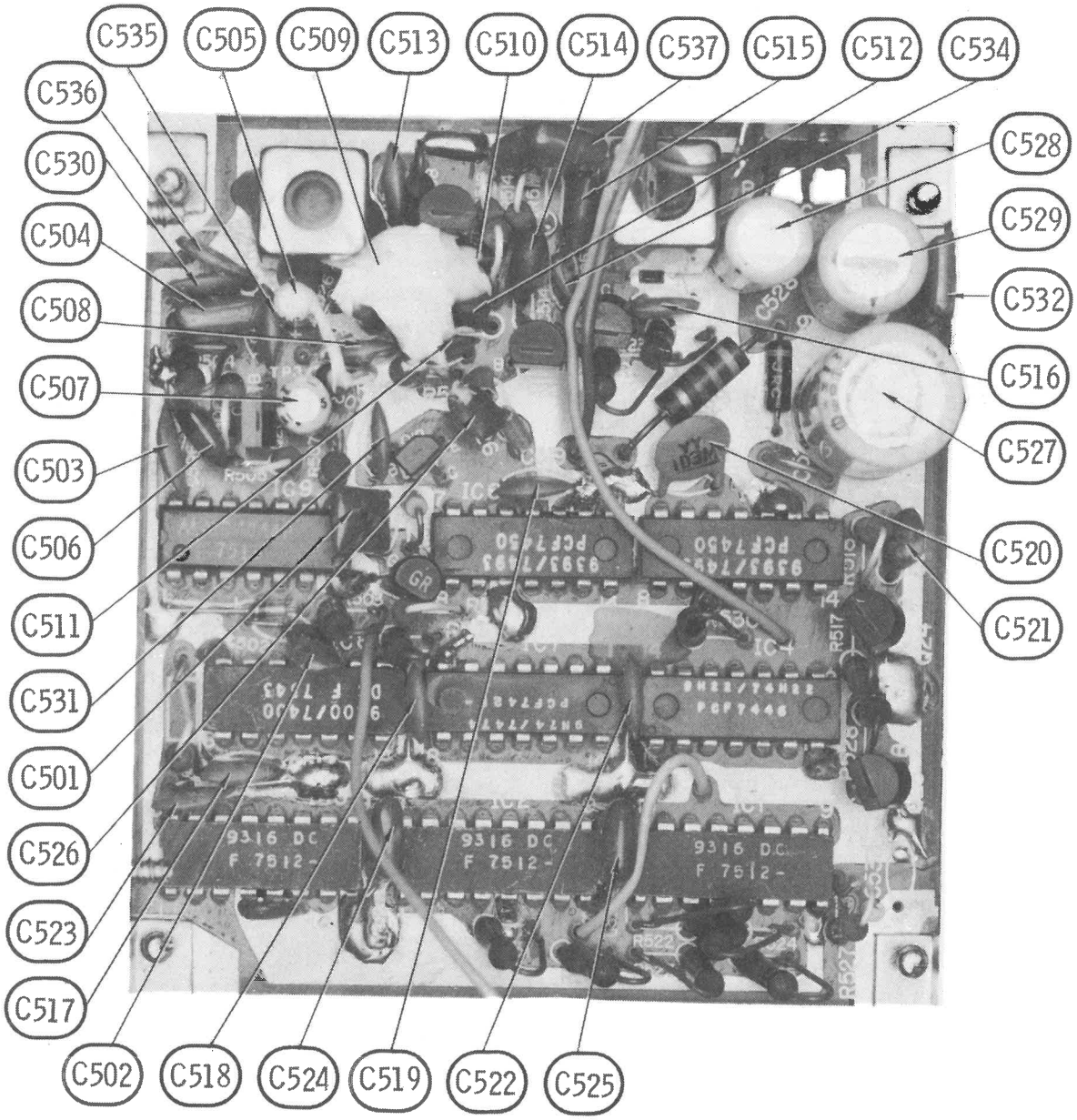


* Located on top of board.

DIGITAL SYNTH BOARD



DIGITAL SYNTHESIZER BOARD



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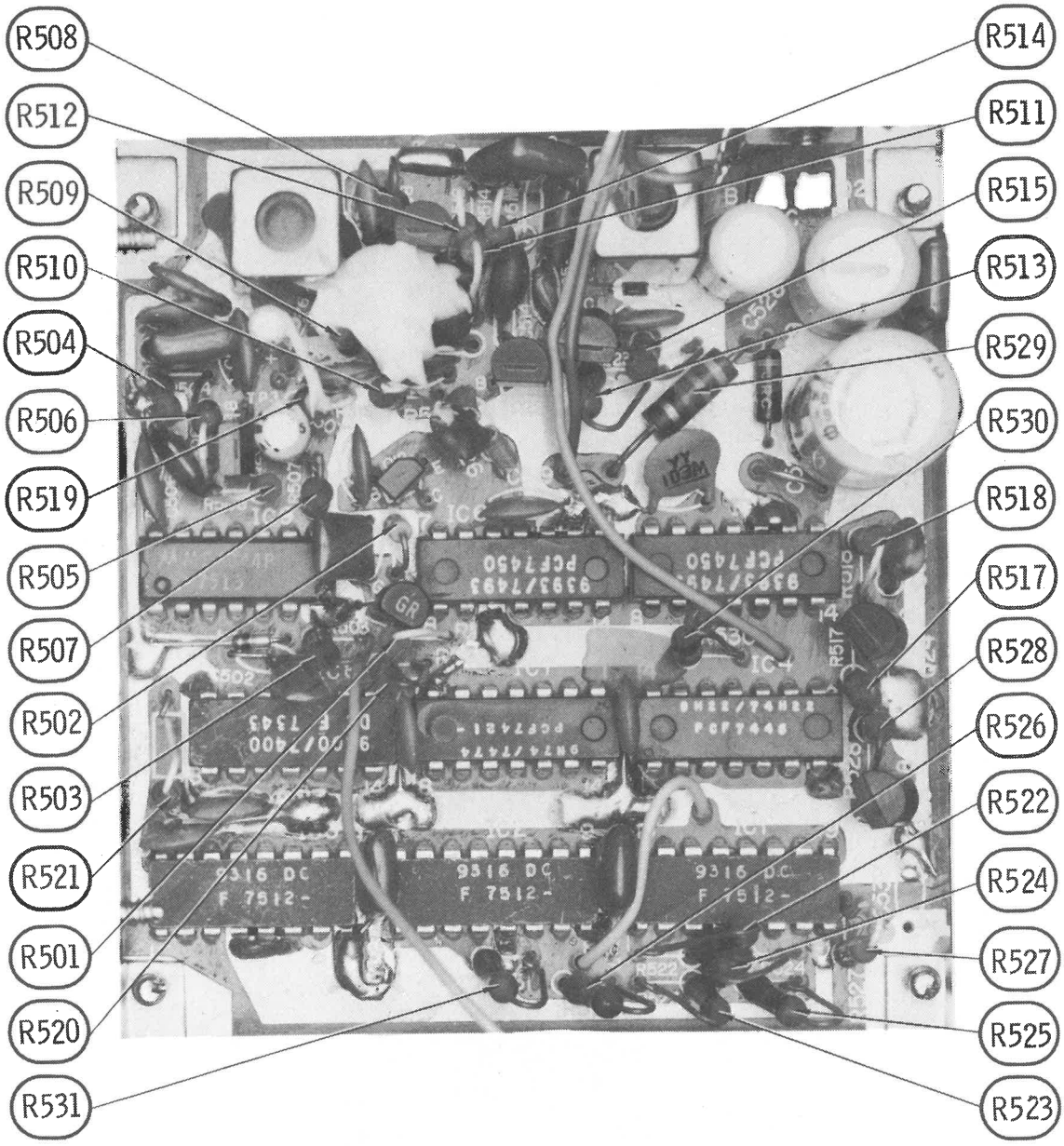

DIGITAL SYNTHESIZER BOARD

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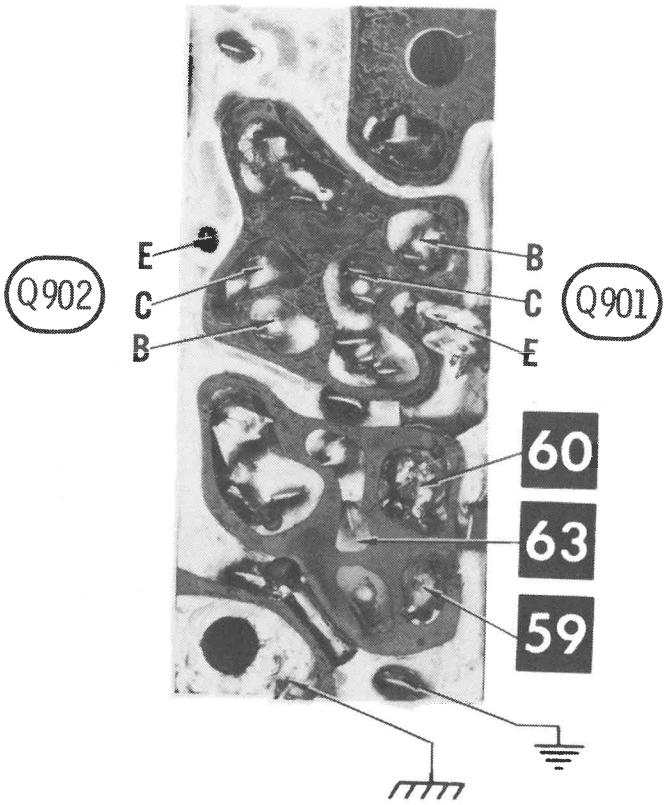
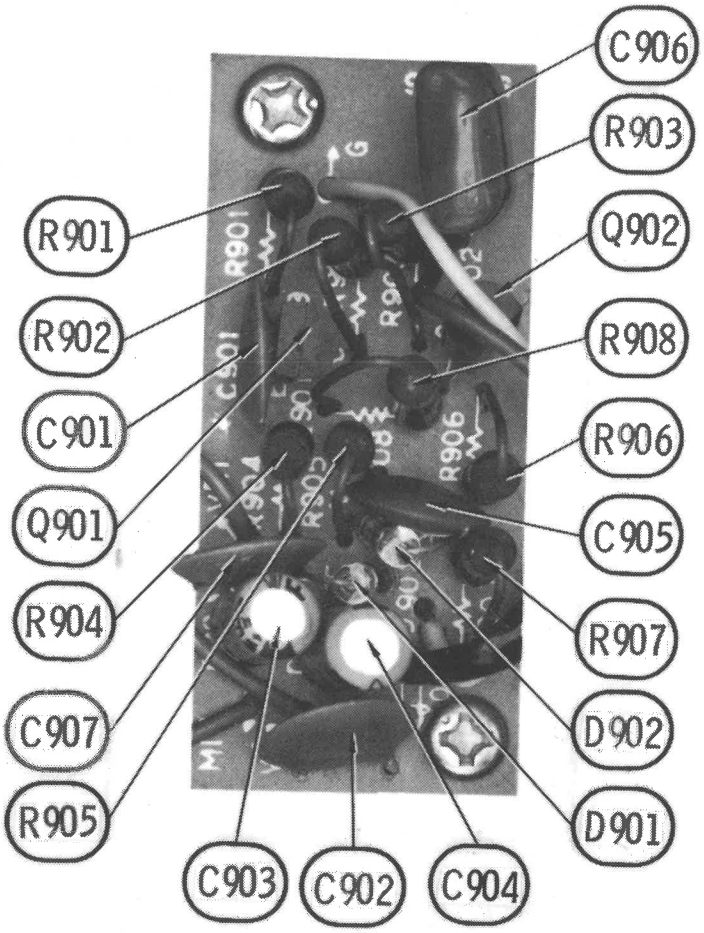
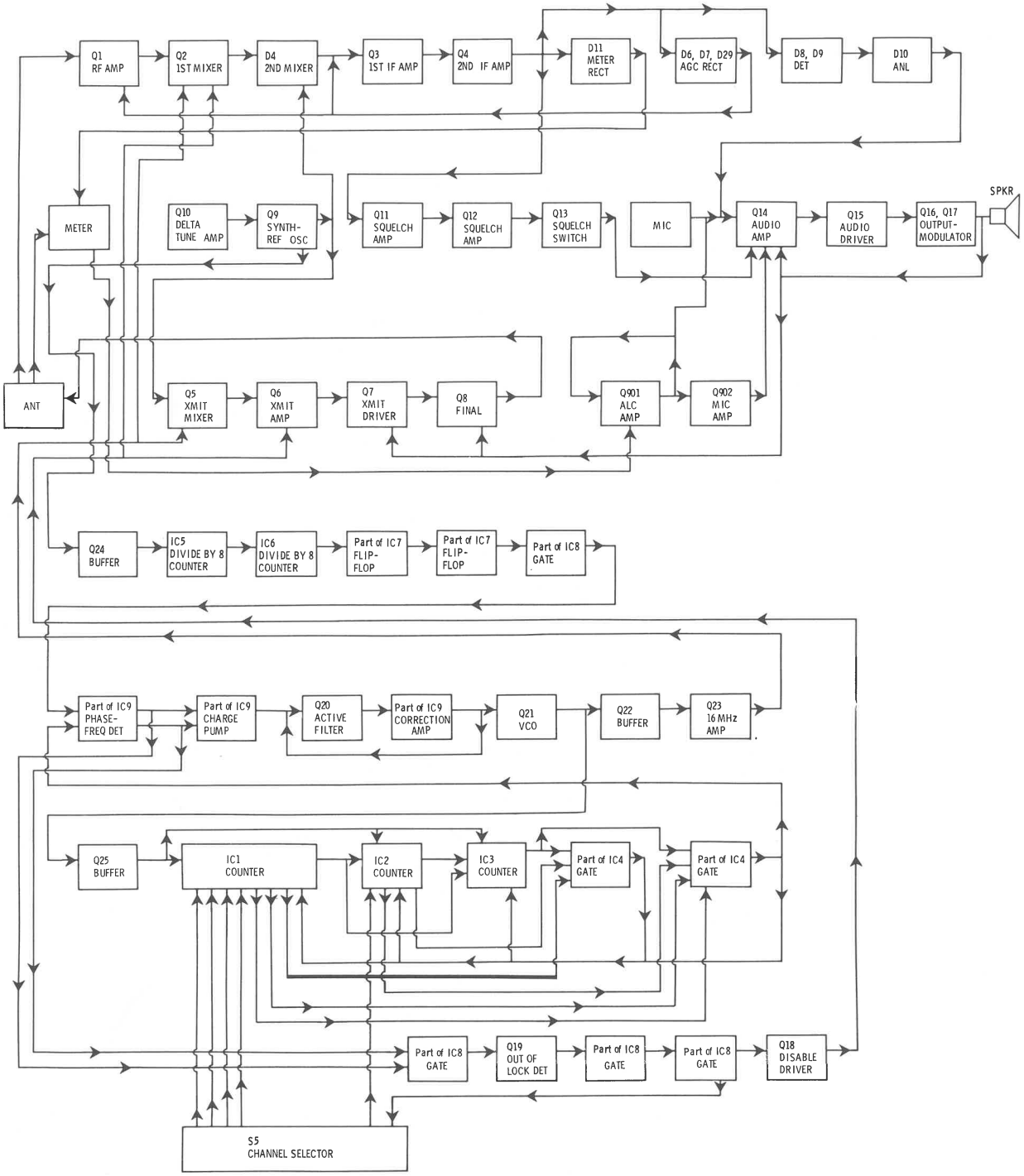
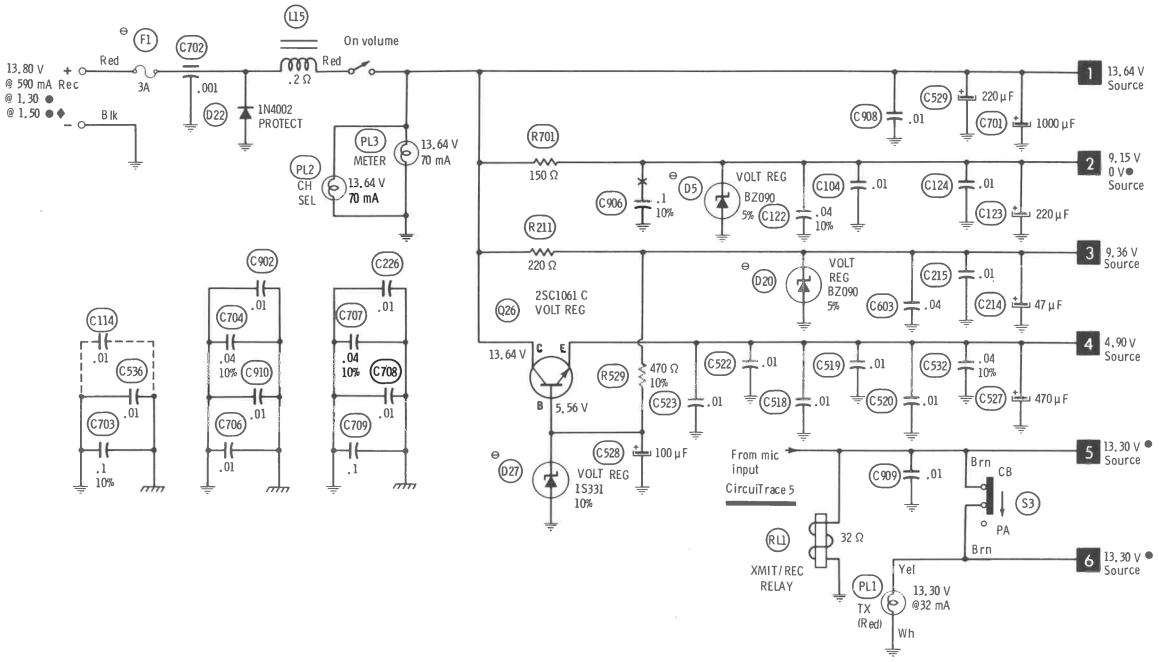




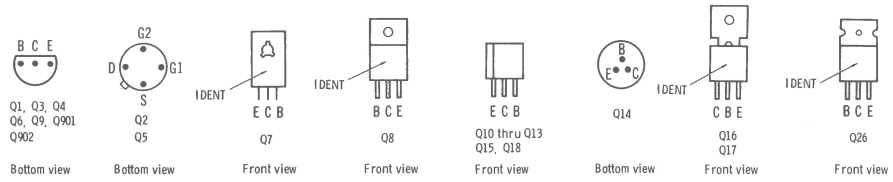
MIC AMP BOARD



BLOCK DIAGRAM



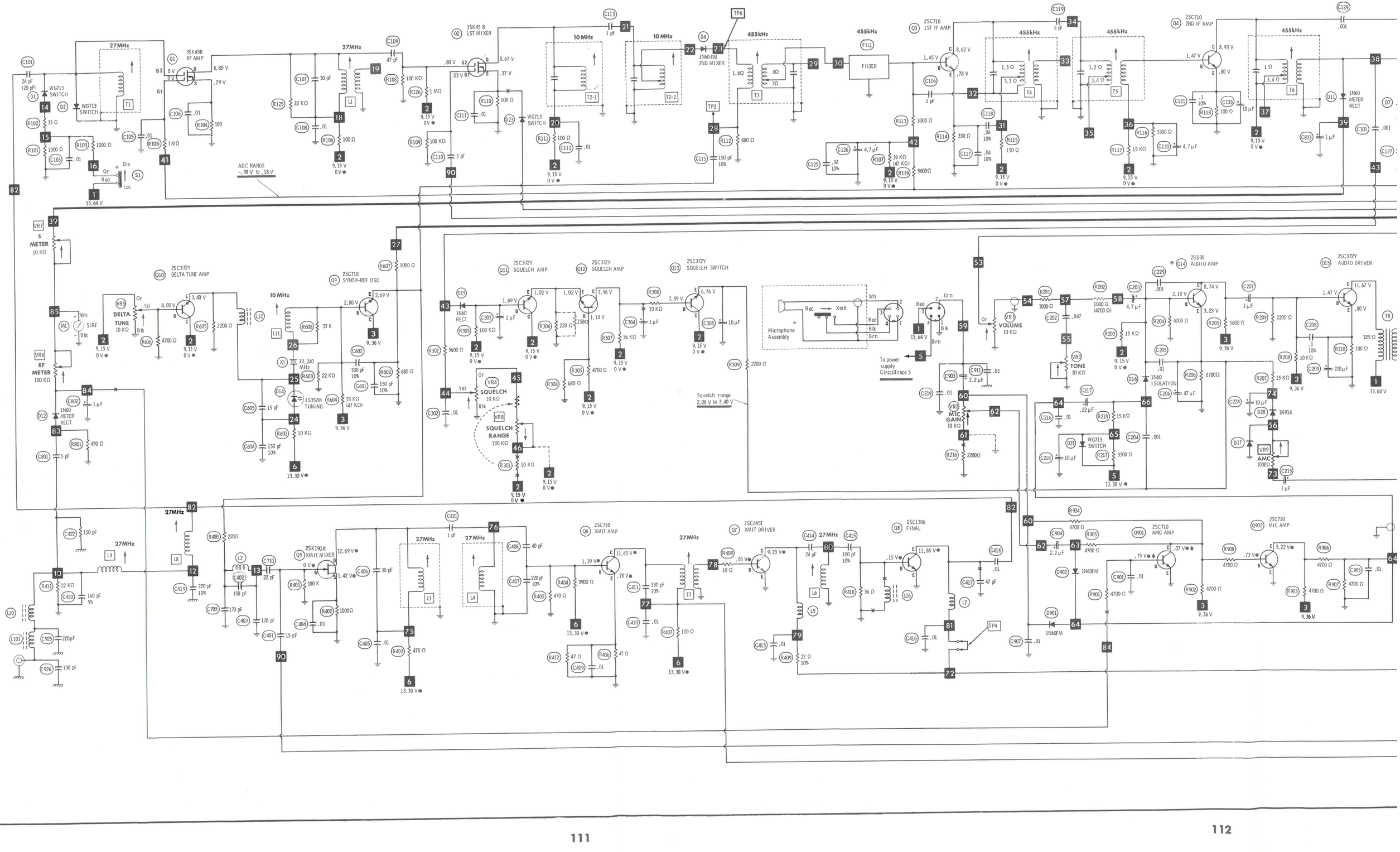
Terminal Guides

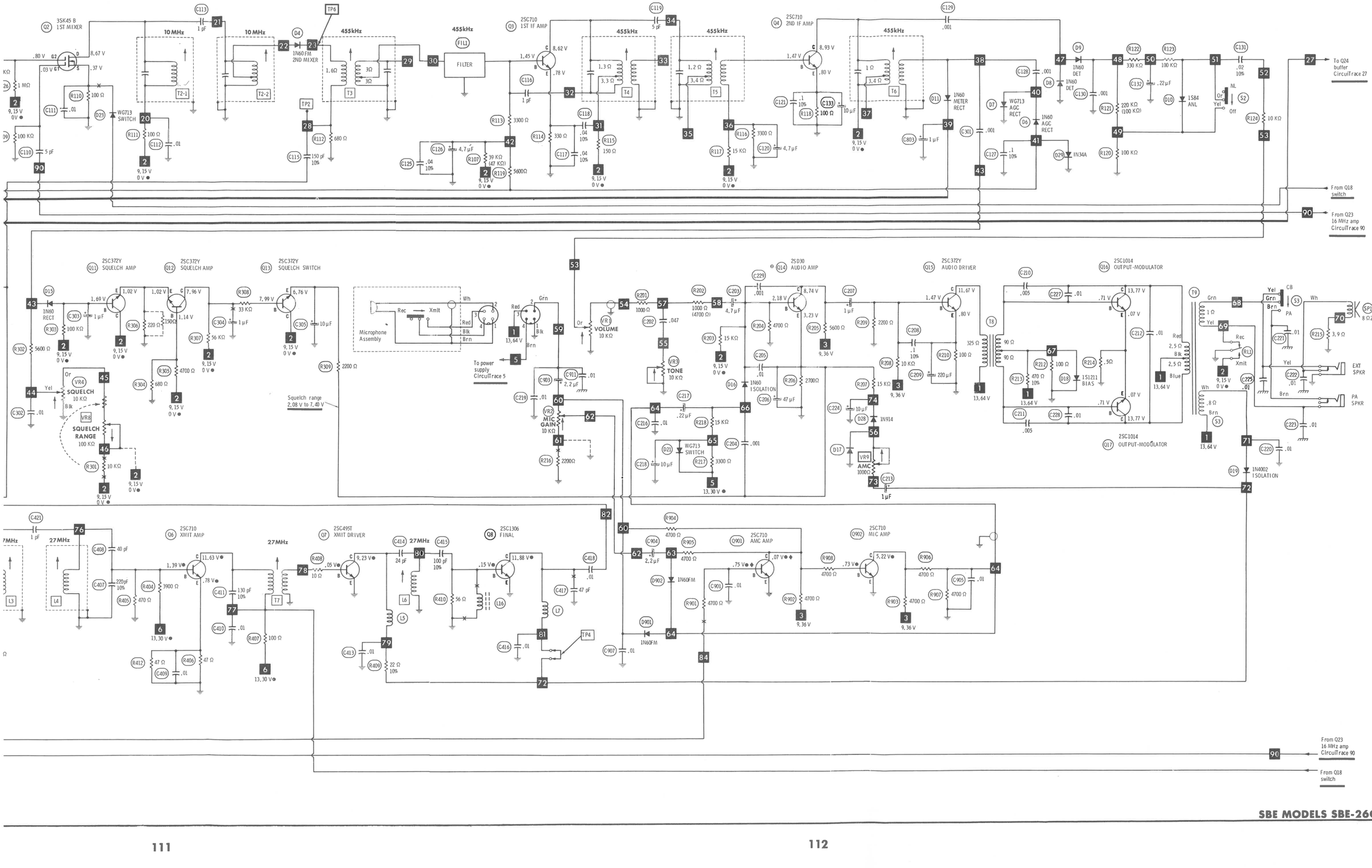


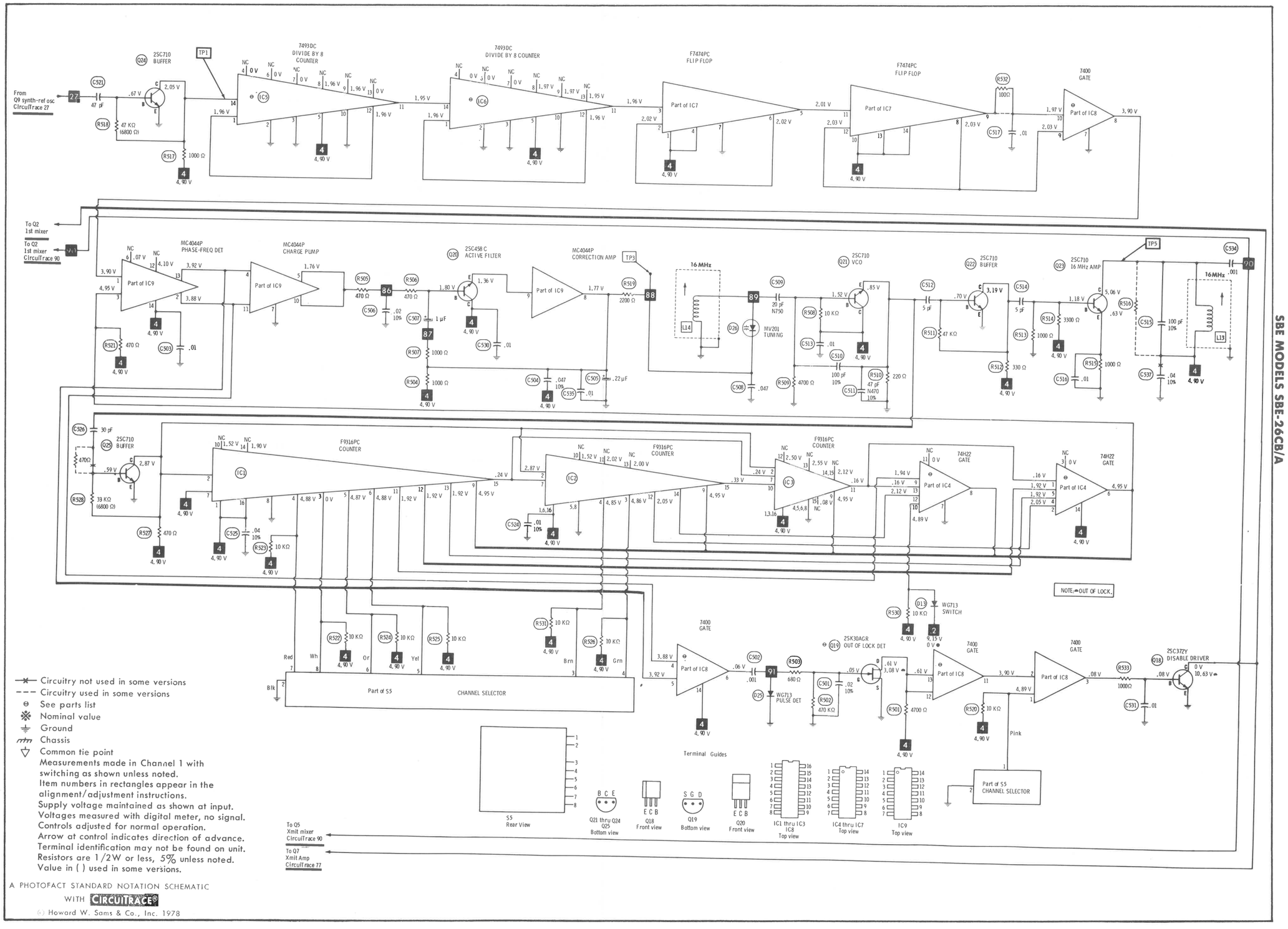
—✕— Circuitry not used in some versions
– – – Circuitry used in some versions
⊖ See parts list
※ Nominal value
⏚ Ground
Chassis
▽ Common tie point

Measurements made in Channel 1 with switching as shown unless noted.
Item numbers in rectangles appear in the alignment/adjustment instructions.
Supply voltage maintained as shown at input.
Voltages measured with digital meter, no signal.
Controls adjusted for normal operation.
Arrow at control indicates direction of advance.
Terminal identification may not be found on unit.
Resistors are 1/2W or less, 5% unless noted.
Value in ( ) used in some versions.

A PHOTOFACT STANDARD NOTATION SCHEMATIC WITH CIRCUITRACE®


27MHz
3SK45B RF AMP
Q1
WG713 SWITCH
D1
D2
T1
C101
24 pF (20 pF)
R102 33 Ω
R101 1000 Ω
R103 1000 Ω
C103 .01
C105 .01
R105 1 MΩ
C106 .01
R104 100
Dis
Or
Red
Loc
S1
13.64 V
0 V
8.85 V
.29 V
G2
G1
D
S
AGC RANGE
-.98 V to -.18 V
82
41
90
27MHz
C107 30 pF
C108 .01
R125 22 KΩ
L1
T1
C109 47 pF
R108 100 KΩ
R126 1 MΩ
R106 100 Ω
9.15 V
0 V
.80 V
.03 V
8.67 V
.37 V
Q2 3SK45 B 1ST MIXER
C111 .01
R110 100 Ω
R109 100 KΩ
C110 5 pF
D23
WG713 SWITCH
10 MHz
T2-1
T2-2
C113 1 pF
R111 100 Ω
C112 .01
D4
1N60 FM 2ND MIXER
TP6
TP2
455kHz
T3
1.6Ω
3Ω
R112 680 Ω
C115 150 pF 10%
FIL1
FILTER
Q3 2SC710 1ST IF AMP
C116 1 pF
R113 3300 Ω
R114 330 Ω
C117 .04 10%
C118 .04 10%
R115 150 Ω
C119 5 pF
1.45 V
8.62 V
.78 V
1.3 Ω
3.3 Ω
T4
1.2 Ω
3.4 Ω
T5
C125 .04 10%
C126 4.7 μF
R107 39 KΩ (47 KΩ)
R119 5600Ω
R116 3300 Ω
R117 15 KΩ
C120 4.7 μF
Q4 2SC710 2ND IF AMP
1.47 V
8.93 V
.80 V
C121 .1 10%
R118 100 Ω
C133 10 μF
1 Ω
3.4 Ω
T6
C129 .001
C301 .001
C127
C803 1 μF
D11 1N60 METER RECT
D7
39
43
38
37
VR7 S METER 10 KΩ
Q10 2SC372Y DELTA TUNE AMP
VR5 DELTA TUNE 10 KΩ
Wh
Yel
Blk
S/RF
M1
4.05 V
3.40 V
R605 2200 Ω
R606 4700 Ω
L12
L11
85
VR6 RF METER 100 KΩ
C802 1 μF
D12 1N60 METER RECT
R801 470 Ω
C801 5 pF
84
83
Q9 2SC710 SYNTH-REF OSC
2.80 V
2.69 V
9.36 V
R607 1000 Ω
R608 33 K
X1 10.240 MHz
C602 330 pF 10%
R602 680 Ω
C601 150 pF 10%
R603 22 KΩ
D14 1S352M TUNING
R604 33 KΩ (47 KΩ)
C605 15 pF
C604 150 pF 10%
R601 10 KΩ
26
25
24
27
6
13.30 V
Q11 2SC372Y SQUELCH AMP
Q12 2SC372Y SQUELCH AMP
Q13 2SC372Y SQUELCH SWITCH
D15 1N60 RECT
R303 100 KΩ
C303 1 μF
R302 5600 Ω
1.69 V
1.02 V
7.96 V
7.99 V
6.76 V
R306 220 Ω
1502
1.14 V
R308 33 KΩ
R307 56 KΩ
C304 1 μF
R305 4700 Ω
R304 680 Ω
C305 10 μF
R309 2200 Ω
9.15 V
0 V
43
44
45
46
Or
Yel
Blk
VR4 SQUELCH 10 KΩ
VR8 SQUELCH RANGE 100 KΩ
R301 10 KΩ
C302 .01
Squelch range 2.08 V to 7.40 V
Microphone Assembly
Rec
Xmit
Wh
Red
Blk
Brn
Grn
To power supply CircuiTrace 5
53
54
59
60
VR1 VOLUME 10 KΩ
R201 1000 Ω
C202 .047
R202 1000 Ω (4700 Ω)
C203 4.7 μF
C229 .001
Q14 2SD30 AUDIO AMP
2.18 V
8.74 V
3.23 V
R204 4700 Ω
R205 5600 Ω
C205 .01
D16 1N60 ISOLATION
R206 2700Ω
C206 47 μF
C207 1 μF
R209 2200 Ω
C208 .1 10%
R208 10 KΩ
C209 220 μF
R210 100 Ω
Q15 2SC372Y AUDIO DRIVER
11.67 V
1.47 V
.80 V
T8
325 Ω
55
57
58
VR3 TONE 10 KΩ
R203 15 KΩ
R204 4700 Ω
C903 .01
C911 .01
2.2 μF
C219 .01
VR2 MIC GAIN 10 KΩ
R216 2200Ω
61
62
64
65
66
C217 .22 μF
C216 .01
R218 15 KΩ
C204 .001
D21 WG713 SWITCH
R217 3300 Ω
C218 10 μF
C224 10 μF
D28 1N914
D17
VR9 AMC 1000Ω
C213 1 μF
56
74
73
Q902 2SC710 MIC AMP
Q901 2SC710 AMC AMP
R904 4700 Ω
C904 2.2 μF
R905 4700 Ω
D902 1N60FM
C901 .01
R901 4700 Ω
.75 V
.07 V
R902 4700 Ω
R908 4700 Ω
.73 V
5.22 V
R906 4700 Ω
R903 4700 Ω
R907 4700 Ω
C905 .01
D901 1N60FM
C907 .01
63
L10
L101
C925 220pF
C926 150 pF
R411 22 KΩ
C420 160 pF 5%
C422 150 pF
L9
L8
R400 220Ω
C419 220 pF 10%
C710 22 pF
C402 150 pF
C705 170 pF
C403 170 pF
C401 15 pF
L2
Q5 2SK19GR XMIT MIXER
R401 100 K
R402 1000Ω
C404 .01
C406 30 pF
C405 .01
R403 470 Ω
C421 1 pF
L3
L4
C408 40 pF
C407 220pF 10%
R405 470 Ω
Q6 2SC710 XMIT AMP
R404 3900 Ω
C411 130 pF 10%
C410 .01
R407 100 Ω
R412 47 Ω
C409 .01
R406 47 Ω
12.69 V
1.42 V
1.39 V
11.63 V
.78 V
Q7 2SC495T XMIT DRIVER
R408 10 Ω
.05 V
9.23 V
C414 24 pF
C415 100 pF 10%
L6
L5
R410 56 Ω
L16
.15 V
11.88 V
Q8 2SC1306 FINAL
C418 .01
C417 47 pF
L7
C416 .01
TP4
C413 .01
R409 22 Ω 10%
27MHz
10
12
13
76
77
78
79
80
81
82
72
75
6
13.30 V


Q2 3SK45 B 1ST MIXER
10 MHz
T2-1
T2-2
D4 1N60 FM 2ND MIXER
TP6
455kHz
T3
FILTER
Q3 2SC710 1ST IF AMP
T4
T5
Q4 2SC710 2ND IF AMP
T6
D11 1N60 METER RECT
D7 WG713 AGC RECT
D6 1N60 AGC RECT
D29 1N34A
D9 1N60 DET
D8 1N60 DET
D10 1S84 ANL
NL
Or
Yel
S2
Off
To Q24 buffer CircuiTrace 27
From Q18 switch
From Q23 16 MHz amp CircuiTrace 90
Q11 2SC372Y SQUELCH AMP
Q12 2SC372Y SQUELCH AMP
Q13 2SC372Y SQUELCH SWITCH
D15 1N60 RECT
D23 WG713 SWITCH
SQUELCH 10 KΩ
SQUELCH RANGE 100 KΩ
Squelch range 2.08 V to 7.40 V
Microphone Assembly
Rec
Xmit
To power supply CircuiTrace 5
Q14 2SD30 AUDIO AMP
VOLUME 10 KΩ
TONE 10 KΩ
MIC GAIN 10 KΩ
D16 1N60 ISOLATION
D21 WG713 SWITCH
Q15 2SC372Y AUDIO DRIVER
Q16 2SC1014 OUTPUT-MODULATOR
T8
T9
D28 1N914
VR9 AMC 1000Ω
D18 1S1211 BIAS
Q17 2SC1014 OUTPUT-MODULATOR
CB
PA
EXT SPKR
PA SPKR
D19 1N4002 ISOLATION
Q6 2SC710 XMIT AMP
Q7 2SC495T XMIT DRIVER
Q8 2SC1306 FINAL
27MHz
L3
L4
L5
L6
L7
L16
TP4
Q901 2SC710 AMC AMP
D902 2SC710 MIC AMP
D902 1N60FM
D901 1N60FM
From Q23 16 MHz amp CircuiTrace 90
From Q18 switch



- ⊖ See parts list
- ※ Nominal value
- Ground
- Chassis
- ▽ Common tie point

Measurements made in Channel 1 with switching as shown unless noted.
Item numbers in rectangles appear in the alignment/adjustment instructions.
Supply voltage maintained as shown at input.
Voltages measured with digital meter, no signal.
Controls adjusted for normal operation.
Arrow at control indicates direction of advance.
Terminal identification may not be found on unit.
Resistors are 1/2W or less, 5% unless noted.
Value in ( ) used in some versions.

A PHOTOFACT STANDARD NOTATION SCHEMATIC WITH CIRCUITRACE®

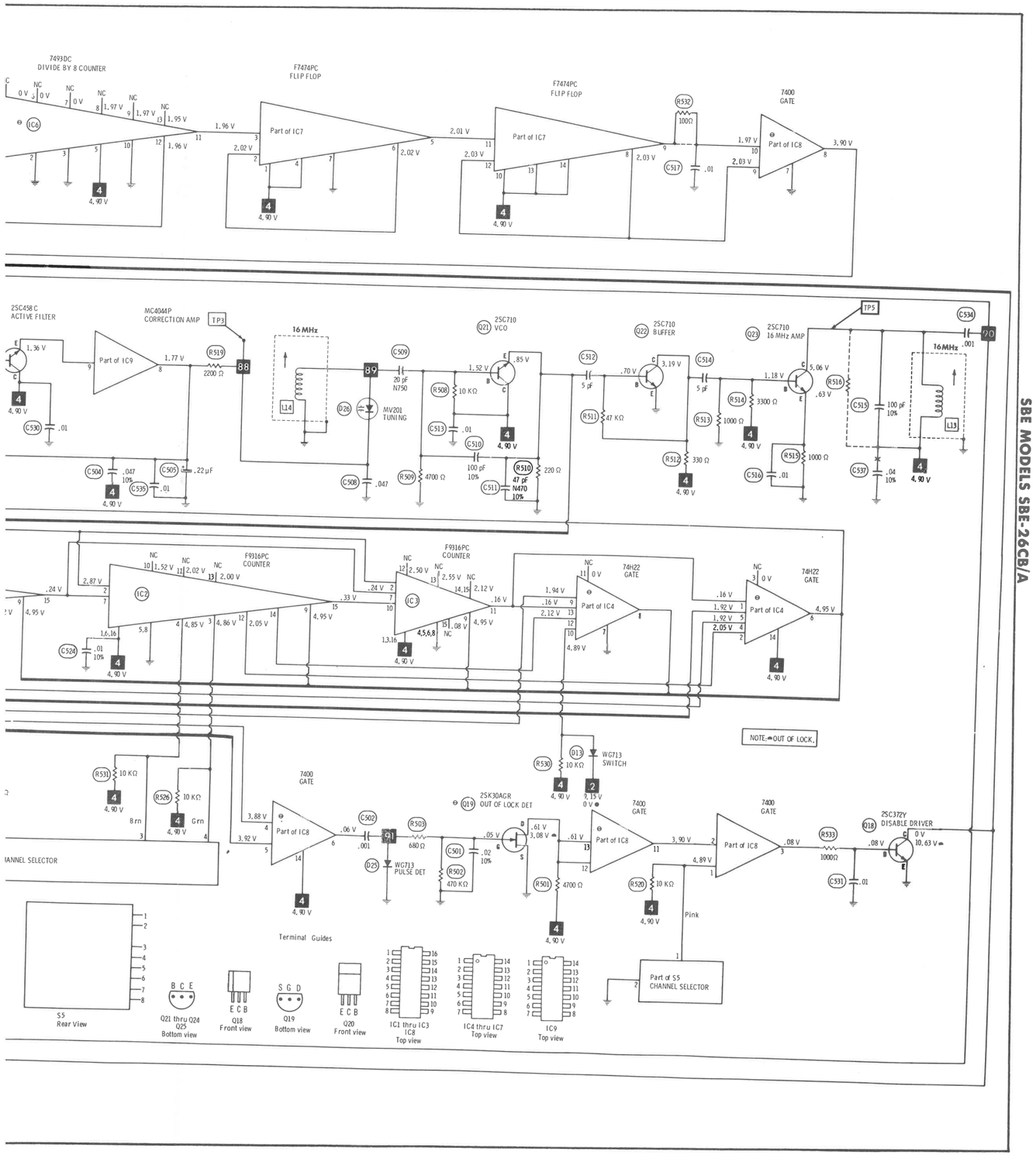
PARTS LIST A

(When ordering parts,

SEMICONDUCTORS

ITEM No.	TYPE No.	MFGR. PART No.
D1	WG713	
D2	WG713	
D4	1N60	
D5	BZ090	
D6	1N60	
D7	WG713	
D8	1N60	
D9	1N60	
D10	1S84	
D11	1N60	
D12	1N60	
D13	WG713	
D14	1S352M	
D15	1N60	
D16	1N60	
D17	1N34A	
D18	1S1211	
D19	1N4002	
D20	BZ090	
D21	WG713	
D22	1N4002	
D23	WG713	
D25	WG713	
D26	MV201	
D27	1S331	
D28	1N914	
	1N4448	
D29	1N34A	
D901	1N60FM	
D902	1N60FM	
IC1	F9316PC	
IC2	F9316PC	
IC3	F9316PC	
IC4	74H22	
IC5	7493DC	
IC6	7493DC	
IC7	F7474PC	
IC8	7400	
IC9	MC4044P	
Q1	3SK45B	
	3SK45	
Q2	3SK45B	
	3SK45	
Q3	2SC710	
Q4	2SC710	
Q5	2SK19GR	8000-00009-17
	2SK41	
	2SK41F	8000-00009-17
Q6	2SC710	
Q7	2SC495T	
Q8	2SC1306(12)	
Q9	2SC710	
Q10	2SC372Y	
	2SC403C	
Q11	2SC372Y	
	2SC403C	
Q12	2SC372Y	
	2SC403C	
Q13	2SC372Y	
	2SC403C	
Q14	2SD30	
	2SD187	
Q15	2SC372Y	
	2SC403C	
Q16	2SC1014(13)	
Q17	2SC1014	
Q18	2SC372Y	
	2SC403C	
Q19	2SK30AGR	
	2SK30GR	
Q20	2SC458C	
	2SC458LG	
Q21	2SC710	
Q22	2SC710	
Q23	2SC710	
Q24	2SC710	
Q25	2SC710	
Q26	2SC1061C	
	(14)	
	2SC1061	
Q901	2SC710	
Q902	2SC710	

* Lead Configuration may vary
(12) 12 watt @ 3.0 Amp.
(13) 7.0 watt @ 1.5 Amp.
(14) 25 watt @ 3.0 Amp.



SBE MODELS SBE-26CB/A

PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFGR. PART No.	REPLACEMENT DATA								
			GENERAL ELECTRIC PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	THORDARSON PART No.	WORKMAN PART No.	ZENITH PART No.
D1	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D2	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D4	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D5	BZ090		GEZD-9.1	ZB9.1B		REN 139		RT-240	ECG139A	1N4739A	WEP1109	103-272
D6	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D7	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D8	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D9	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D10	1S84		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D11	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D12	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D13	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D14	1S352M		GE-90		HEPR2503	REN 614		RT-262	ECG614		WEP200	ZEN-453
D15	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D16	1N60		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D17	1N34A		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	1N34A	WEP134	
D18	1S1211			PTC301		REN 601	SK3463		ECG601			
D19	1N4002		GE-504A	1N4002	HEPR0052	REN 116	SK3312	RT-213	ECG116	1N4004	WEP156	212-76
D20	BZ090		GEZD-9.1	ZB9.1B		REN 139		RT-240	ECG139A	1N4739A	WEP1109	103-272
D21	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D22	1N4002		GE-504A	1N4002	HEPR0052	REN 116	SK3312	RT-213	ECG116	1N4004	WEP156	212-76
D23	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D25	WG713		GE-300	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG177		WEP1062	
D26	MV201				HEPR2502	REN 612			ECG612			
D27	1S331		GEZD-6.0	ZM6A		REN 5070			ECG5012			ZEN-452
D28	1N914		GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519		WEP1413	
	1N4448		GE-514	PTC214	HEPR0602	REN 177	SK3100	RT-218	ECG519	1N4148	WEP925	
D29	1N34A		1N34AS	PTC207	HEPR9134A	REN 109	SK3087	RT-200	ECG109	1N34A	WEP925	
D901	1N60FM		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
D902	1N60FM		1N60	PTC206	HEPR9135	REN 109	SK3088	RT-263	ECG109	1N60	WEP134	ZEN-430
IC1	F9316PC					REN 74161	SK74161	TVCM-506	ECG74161			ZEN-430
IC2	F9316PC					REN 74161	SK74161	TVCM-506	ECG74161			ZEN-430
IC3	F9316PC					REN 74161	SK74161	TVCM-506	ECG74161			ZEN-430
IC4	74H22							TVCM-501	ECG74H22			
IC5	7493DC								ECG7493			
IC6	7493DC								ECG7493			
IC7	F7474PC							TVCM-502	ECG7474			
IC8	7400				HEPC3000L	REN 7400		TVCM-500	ECG7400		WEP7400	
IC9	MC4044P				HEPC3806P			TVCM-70	ECG974			
Q1	3SK45B		GE-FET-4	PTC182	HEPF2007	REN 222	SK3065	RT-181	ECG222		WEP905	121-826
	3SK45		GE-FET-4	PTC182	HEPF2007	REN 222	SK3065	RT-181	ECG222		WEP905	121-826
Q2	3SK45B		GE-FET-4	PTC182	HEPF2007	REN 222	SK3065	RT-181	ECG222		WEP905	121-826
	3SK45		GE-FET-4	PTC182	HEPF2007	REN 222	SK3065	RT-181	ECG222		WEP905	121-826
Q3	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q4	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q5	2SK19GR	8000-00009-178	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK41		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK41F	8000-00009-178	GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
Q6	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q7	2SC495T		GE-270	PTC180		REN 295	SK3253	RT-162	ECG295		WEP913	ZEN-209
Q8	2SC1306(12)		GE-215	PTC186		REN 235	SK3197	RT-146	ECG235	2SC1306	WEP785	
Q9	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q10	2SC372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC403C		GE-62	PTC121*	HEPS0015*	REN 123A	SK3124	RT-302	ECG289	2SC620*	WEP403	ZEN-120
Q11	2SC372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC403C		GE-62	PTC121*	HEPS0015*	REN 123A	SK3124	RT-302	ECG289	2SC620*	WEP403	ZEN-120
Q12	2SC372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC403C		GE-62	PTC121*	HEPS0015*	REN 123A	SK3124	RT-302	ECG289	2SC620*	WEP403	ZEN-120
Q13	2SC372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC403C		GE-62	PTC121*	HEPS0015*	REN 123A	SK3124	RT-302	ECG289	2SC620*	WEP403	ZEN-120
Q14	2SD30		GE-59	PTC134	HEPG0011	REN 103A	SK3010	RT-119	ECG103A	2SD187	WEP641B	
	2SD187		GE-59	PTC134	HEPG6011	REN 103A	SK3010	RT-119	ECG103A	2SD187	WEP641B	
Q15	2SC372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC403C		GE-62	PTC121*	HEPS0015*	REN 123A	SK3124	RT-302	ECG289	2SC620*	WEP403	ZEN-120
Q16	2SC1014(13)		GE-273	PTC193		REN 300	SK3464	RT-137	ECG300		WEP1014	
Q17	2SC1014		GE-273	PTC193		REN 300	SK3464	RT-137	ECG300		WEP1014	
Q18	2SC372Y		GE-61*	PTC121*	HEPS0015*	REN 123A*	SK3444	RT-308	ECG123A*	2SC372	WEP372	121-Z9000*
	2SC403C		GE-62	PTC121*	HEPS0015*	REN 123A	SK3124	RT-302	ECG289	2SC620*	WEP403	ZEN-120
Q19	2SK30AGR		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
	2SK30GR		GE-FET-2	PTC161	HEPF0021	REN 132	SK3448	RT-175	ECG312			ZEN-123
Q20	2SC458C		GE-210*	PTC121*	HEPS0009*	REN 123A*	SK3124	RT-187	ECG289	2SC458	WEP458	121-Z9000*
	2SC458LG		GE-210*	PTC121*	HEPS0009*	REN 123A*	SK3124	RT-187	ECG289	2SC458	WEP458	121-Z9000*
Q21	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q22	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q23	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q24	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q25	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q26	2SC1061C (14)		GE-66	PTC154	HEPS3061	REN 152	SK3054	RT-197	ECG152	2SC1061	WEP745	921-1009
	2SC1061		GE-66	PTC154	HEPS3061	REN 152	SK3054	RT-197	ECG152	2SC1061	WEP745	921-1009
Q901	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*
Q902	2SC710		GE-211*	PTC132	HEPS0016*	REN 123A*	SK3444	RT-308*	ECG123A*	2SC710	WEP710	121-Z9000*

* Lead Configuration may vary from original.
(12) 12 watt @ 3.0 Amp.
(13) 7.0 watt @ 1.5 Amp.
(14) 25 watt @ 3.0 Amp.

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFGR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C120	4.7 16V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C123	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C126	4.7 16V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C132	.22 25V			TDC224M050EL	QDT1-10	SD50-R229
C133	10 16V	8000-00040-054	PC10-25	VTT10B25	QV1-41	EV-1222
C203	4.7 16V		PC5-50	VTT4R7B50	QV1-27	EV-1319
C206	47 16V	8000-00004-009	PC50-16	VTT47D16	QV1-73	EV-1226
C207	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C209	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C213	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C214	47 16V		PC50-16	VTT47D16	QV1-73	EV-1226
C217	.22 16V			TDC224M050EL	QDT1-10	SD50-R229
C218	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C224	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C303	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C304	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C305	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C505	.22 25V			TDC224M050EL	QDT1-10	SD50-R229
C507	1 16V		PC1-50	VTT1A50	QV1-9	EV-1315
C527	470 16V		PC500-16	VTT470K16	QV1-151	EV-1250
C528	100 16V		PC100-16	VTT100F16	QV1-95	EV-1230
C529	220 16V		PC250-25	VTT220H16	QV1-117	EV-1240
C701	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
C802	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C803	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C903	2.2 50V		PC2-100	VTT2R2A50	QV1-19	EV-1517
C904	2.2 50V		PC2-100	VTT2R2A50	QV1-19	EV-1517

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C101	24			CD15ED240J03	SX424	QW1-12	MWA-240
C103	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C104	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C105	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C106	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C107	30 N330				*		
C108	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C109	47			CD15ED470J03	SX447	QW1-19	MWA-470
C110	10			CD15CD100J03		QW1-6	MWA-100
C111	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C112	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C113	1				CN0510		10TCC-V10
C114	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C115	150			CD15FD151J03	SX315	QW1-31	MWA-151
C116	1				CN0510		10TCC-V10
C117	.04			DPMS6S39	PVC6139		6PS-S39
C118	.04			DPMS6S39	PVC6139		6PS-S39
C119	5			CD15CD050D03		QW1-2	MWA-050
C121	.1			DPMS2P1	EWF1A010	QF1-215	1PB-P10
C122	.04			DPMS6S39	PVC6139		6PS-S39
C124	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C125	.04			DPMS6S39	PVC6139		6PS-S39
C127	.1			DPMS2P1	EWF1A010	QF1-215	1PB-P10
C128	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C129	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C130	.001			DPMS6D1	EWF1A210	QF1-1	1PB-D10
C131	.02			DPMS2S2	PVC212		2PS-S20
C202	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C204	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C205	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C208	.1			DPMS2P1	EWF1A010	QF1-215	1PB-P10
C210	.005			WMF1D5	EWF1A250		
C211	.005			WMF1D5	EWF1A250		
C212	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C215	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C216	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C219	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C220	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C221	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C222	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C223	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C225	.01		DC-103	MGP01	TA110	QU2-141	TG-S10
C226	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C227	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C228	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C229	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C301	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C302	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C401	15			CD15CD150J03		QW1-8	MWA-150
C402	150			CD15FD151J03	SX315	QW1-31	MWA-151
C403	170			CD15FD181J03	SX318	QW1-33	MWA-181
C404	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C405	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C406	30			CD15ED300J03	SX430	QW1-14	MWA-300
C407	220			CD15FD221J03	SX322	QW1-35	MWA-221
C408	40			CD15ED390J03	SX439	QW1-17	MWA-390
C409	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C410	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C411	130			CD15FD131J03	SX313	QW1-30	MWA-131
C413	.01		DC-103	MGP01	TA110	QC2-141	TG-S10

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

CAPACITORS (cont)

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C414	24			CD15ED240J03	SX424	QW1-12	MWA-240
C415	100			CD15FD101J03	SX310	QW1-27	MWA-101
C416	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C417	47			CD15ED470J03	SX447	QW1-19	MWA-470
C418	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C419	220			CD15FD221J03	SX322	QW1-35	MWA-221
C420	160			CD15FD161J03	SX316	QW1-32	MWA-161
C421	1				CN0510		10TCC-V10
C422	150			CD15FD151J03	SX315	QW1-31	MWA-151
C501	.02			DPMS2S2	PVC212		2PS-S20
C502	.001			DPMS6D1	EWF1A210	QF1-1	1PB-D10
C503	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C504	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C506	.02			DPMS2S2	PVC212		2PS-S20
C508	.047			DPMS2S47	EWF1A147	QF1-171	1PB-S47
C509	20 N750		DTN-20	N20	CN7420		10TCU-Q20
C510	100			CD15FD101J03	SX310	QW1-27	MWA-101
C511	47 N470				*		
C512	5			CD15CD050D03		QW1-2	MWA-050
C513	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C514	5			CD15CD050D03		QW1-2	MWA-050
C515	100			CD15FD101J03	SX310	QW1-27	MWA-101
C516	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C517	.01		DC-103	MGP01	TA110	QU2-141	TG-S10
C518	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C519	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C520	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C521	47			CD15ED470J03	SX447	QW1-19	MWA-470
C522	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C523	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C524	.01			WMF1S1	EWF1A110	QF1-91	1PB-S10
C525	.04			DPMS6S39	PVC6139		6PS-S39
C526	30		DTN-33	N33	CN7433		10TCU-Q33
C530	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C531	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C532	.04			DPMS6S39	PVC6139		6PS-S39
C534	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C535	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C536	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C537	.04			DPMS6S39	PVC6139		6PS-S39
C601	150			CD15FD151J03	SX315	QW1-31	MWA-151
C602	330			CD15FD331J03	SX333	QW1-39	MWA-331
C603	.04			DPMS6S39	PVC6139		6PS-S39
C604	150			CD15FD151J03	SX315	QW1-31	MWA-151
C605	15			CD15CD150J03		QW1-8	MWA-150
C702	.001						
C703	.1			DPMS2P1	EWF1A010	QF1-215	1PB-P10
C704	.04			DPMS6S39	PVC6139		6PS-S39
C705	170			CD15FD181J03	SX318	QW1-33	MWA-181
C706	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C707	.04			DPMS6S39	PVC6139		6PS-S39
C708	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C709	.1			DPMS2P1	EWF1A010	QF1-215	1PB-P10
C710	22			CD15ED220J03	SX422	QW1-11	MWA-220
C801	5			CD15CD050D03		QW1-2	MWA-050
C901	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C902	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C905	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C906	.1			DPMS2P1	EWF1A010	QF1-215	1PB-P10
C907	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C908	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C909	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C910	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C911	.01		DC-103	MGP01	TA110	QC2-141	TG-S10
C925	220			CD15FD221J03	SX322	QW1-35	MWA-221
C926	150			CD15FD151J03	SX315	QW1-31	MWA-151

*Not normally in distributor's stock. Available thru distributor on order to manufacturer.

CONTROLS (All wattages 1/2 watt, or less, unless listed)

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA			
			MFGR. PART No.	CENTRALAB PART No.	MALLORY PART No.	TRW PART No.
VR1	Volume	10K	(18)			
VR2	Mic Gain/Power Switch	10K				
VR3	Tone	10K	(19)			
VR4	Squelch	10K				
VR5	Delta Tune	10K				
VR6	RF Meter	100K				X260R104B(2)
VR7	S Meter	10K				X260R103B(2)
VR8	Squelch Range	100K				X260R104B(2)
VR9	AMC	1000				X260R102B(2)

(2) Cut off one of the end terminals and bend to fit PC board.
(18) Includes VR1, VR2 and S2.
(19) Includes VR3 and VR4.

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Rec RF (27MHz)				
L2	RF Choke (1mH)				
L3	XMT Mixer (27MHz)				
L4	XMT Mixer (27MHz)				
L5	RF Choke (2.5uH)				
L6	XMT Driver (27MHz)				
L7	RF Choke (.65uH)				
L8	Final (27MHz)				
L9	Pi Filter (27MHz)				
L10	RF Choke				
L11	Ref Osc (10MHz)				
L12	RF Choke				
L13	Buffer (16MHz)				
L14	VCO (16MHz)				
L101	RF Choke				
T1	Rec Ant (27MHz)				
T2-1	IF (10MHz)				
T2-2	IF (10MHz)				
T3	IF (455kHz)				
T4	IF (455kHz)				
T5	IF (455kHz)				
T6	IF (455kHz)				
T7	XMT Amp (27MHz)				

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L15	1.5A	.2	1.98	K-18(1)	TR555		(1) Number on unit

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA			NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T8	1	2.5		A-31(1)			(1) Number on unit

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE			REPLACEMENT DATA			NOTES
	PRI.	SEC.		MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T9	32	1 2	2 8				

PARTS LIST AND DESCRIPTION (CONTINUED)

(When ordering parts, state Model, Part Number, and Description.)

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP	3 1/2" PM 8 ohms		3A05Z8	

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA						
		PART No.		BUSS PART No.		LITTELFUSE PART No.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	3 amp			AGC3	HDJ	312003	HDJ	FG3-2

MICROPHONE

ITEM No.	REPLACEMENT DATA				CONNECTION DATA						
	MFGR. PART No.	GC PART No.	GC NOISE CANCEL	GC POWER	GC CONNECTOR	GC Red	GC Shield	GC Yellow	GC Blue	GC White	GC Black
MIC		18-032	18-034	18-010	18-092	2	1	4	NC	NC	3

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
FIL1	Crystal Filter		455kHz
M1	Meter		S/RF
PL1	Lamp		Tx (13.33V @ 70mA)
PL2	Lamp		Channel (13.78V @ 40mA)
PL3	Lamp		Meter (13.78V @ 40mA)
RL1	Relay		XMT/Rec
S1	Switch		Dis/Loc
S2	Switch		ANL
S3	Switch		CB/PA
S5	Switch		Channel Selector
X1	Crystal		10.240MHz

WIRING DATA

General-use Hook-up Wire (available in 5 colors) BELDEN No. 8523
Shielded Hook-up Wire (spiral wrapped) . . . . . BELDEN No. 8421
(braided) . . . . . BELDEN No. 8401
Speaker Cable (available in 4 colors) . . . . . BELDEN No. 8782
Bonding Strap . . . . . BELDEN No. 8672
AC Power Cord . . . . . (6') BELDEN No. 17106
(9') BELDEN No. 17109

Coiled Microphone Cable
3-conductor (1 shielded) 23AWG BELDEN No. 9471 (5')
BELDEN No. 8497 (6')
BELDEN No. 9472 (7-1/2')
28AWG BELDEN No. 9466 (6')
31AWG BELDEN No. 9468 (10')
4-conductor (unshielded) 23AWG BELDEN No. 8415 (6')
5-conductor (1 shielded) 28AWG BELDEN No. 9467 (6')
BELDEN No. 9465 (7-1/2')