



PHOTOFACT[®] with CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

NOTE

ONLY THOSE PERSONS PROPERLY LICENSED ARE PERMITTED TO MAKE REPAIRS OR ADJUSTMENTS WHICH MAY RESULT IN ILLEGAL OPERATION. (REFER TO FCC RULES AND REGULATIONS PART 95, SUBPARTS 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.



SBE-16CB (Console II)

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: GC ELECTRONICS
 ALL Transformers.....#9440
 ALL Coils.....#9440

SBE MODEL SBE-16CB

SYNTHESIZER

INDICATOR	CHANNEL	ADJUST	FREQUENCY	REMARKS
Frequency Counter	1	CV6	11.700MHz	Set Mode Switch to LSB Set Clarifier to Center position. Connect counter to junction of C220 and L30.
	1	CV2	19.1625MHz	Same as above. Connect counter to TP1.
	2	CV3	19.1725MHz	
	3	CV4	19.1825MHz	
	4	CV5	19.2025MHz	
	5	CV7	19.2125MHz	
	10	CV8	19.2625MHz	— 19.2725
	15	CV9	19.3125MHz	— 19.3325
	20	CV10	19.3625MHz	— 19.4025
	23	CV11	19.4125MHz	— 19.4525
		CV1	7.8025MHz	Same as above. Connect counter to TP2
RF Wattmeter	13	T9, T10, L3		Connect dummy load to antenna jack. Connect counter to dummy load. Set mode selector to LSB. Insert a 1000Hz signal to mike circuit. Key transmitter and set audio signal to produce 3-5 watts output. Adjust for maximum.
		T7, T8, L2, L4, T11		Same as above. Set mode switch to USB. Adjust for maximum.

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

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5CY194

RECEIVER

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
Adjustments made with 14 volt DC input or 120 volt AC input to power supply.
Adjust volume control to obtain suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
High side thru .01uF to base of Q5, low side to ground.	7.8MHz 1000Hz @ 30% modulation, output 5uV.	any	T3, T4 T5, T6	Adjust for maximum.
High side thru .01uF to antenna jack, low side to ground	27.115MHz 1000Hz @ 30% modulation, output 1uV.	13	T1, T2 L1	Adjust for maximum.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF Wattmeter across speaker voice coil.
These adjustments made with 14 volt DC input or 120 volt AC input to power supply.
Adjust volume control to obtain a suitable reading.

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
AGC High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, Output 50,000uV.	13	VR4	Set mode switch to AM Adjust volume control to obtain 0dB. Decrease generator to 10uV. Adjust so that signal does not drop more than 10dB.
SQUELCH RANGE High side thru .01uF to antenna jack, low side to ground.	27.115MHz 1000Hz @ 30% modulation, Output 300uV.	13	VR5	Set squelch control fully clockwise. Adjust so that squelch just breaks.
"S" METER High side thru .01uF to antenna jack, low side to ground.	27.115MHz 1000Hz @ 30% modulation, output 5uV.	13	VR3	Set mode switch to LSB. Adjust for "S9" on panel "S" meter.

TRANSMITTER

Connect an RF Wattmeter or 50 ohm 25 watt dummy load to antenna connector.
Adjustments made with 14 volt DC input or 120 volt AC input to power supply.

SSB

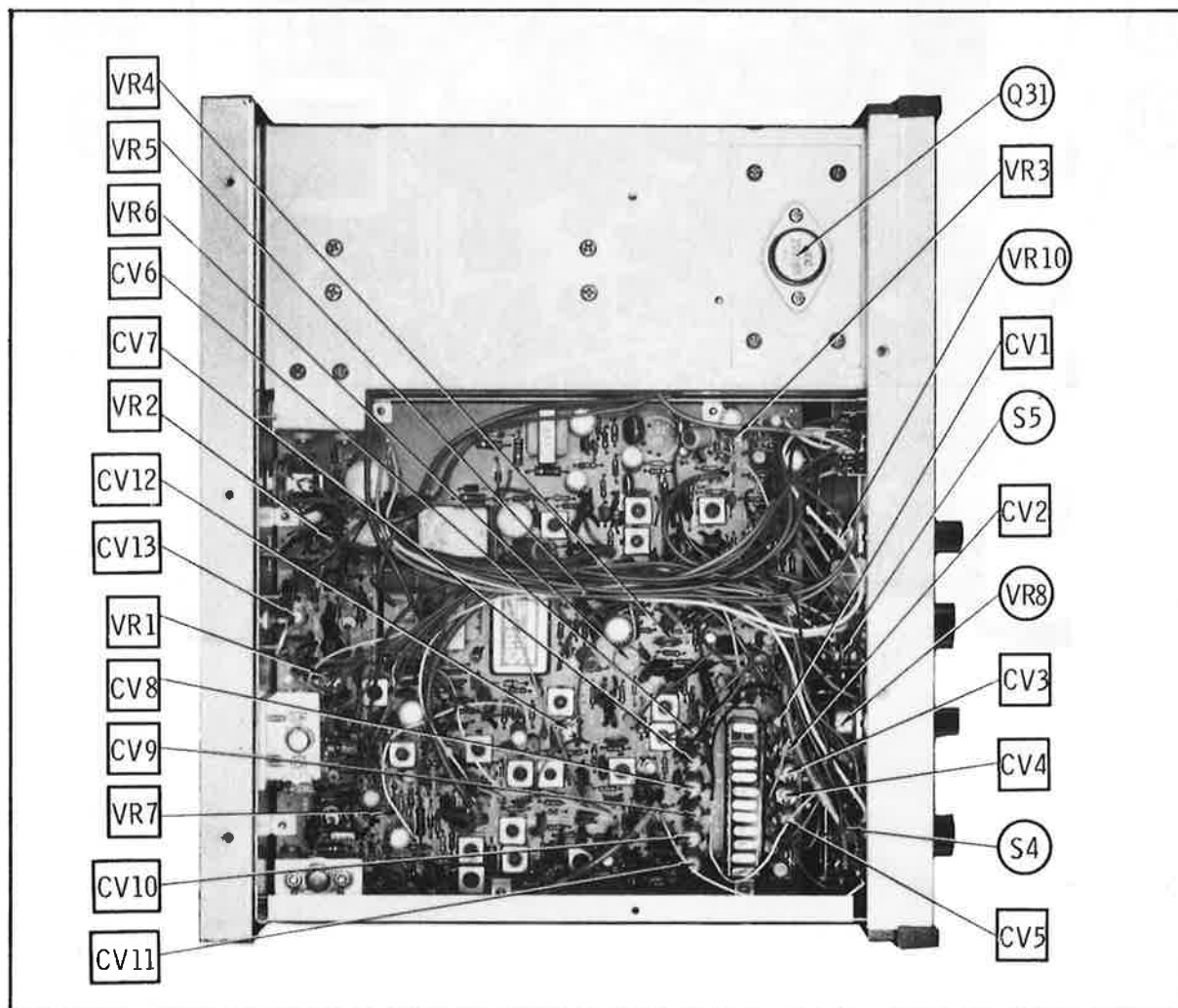
INDICATOR	ADJUST	REMARKS
CARRIER BALANCE Connect oscilloscope to antenna jack.	VR6 CV12	Ground microphone input. Set mode switch to LSB or USB. Key transmitter and adjust for MINIMUM on scope. Output should be less than 0.05V p-p.
SSB EXCITER RF Wattmeter to antenna jack.	T14, T13, T12, T3, L5, L6, L7, L8	Set channel selector to Ch. 13. Set ALC (VR1) to off. Set mode switch to LSB or USB. Connect audio signal generator to input terminal of microphone connector and inject a 1000kHz suitable mV signal. Key transmitter and adjust for maximum.
FINAL OUTPUT POWER RF Wattmeter	L6	Connect two-tone generator to microphone input. Key transmitter. Adjust for less than 15 watts P.E.P.
TVI TV (Ch2)	CV13	Key transmitter. Adjust for MINIMUM.

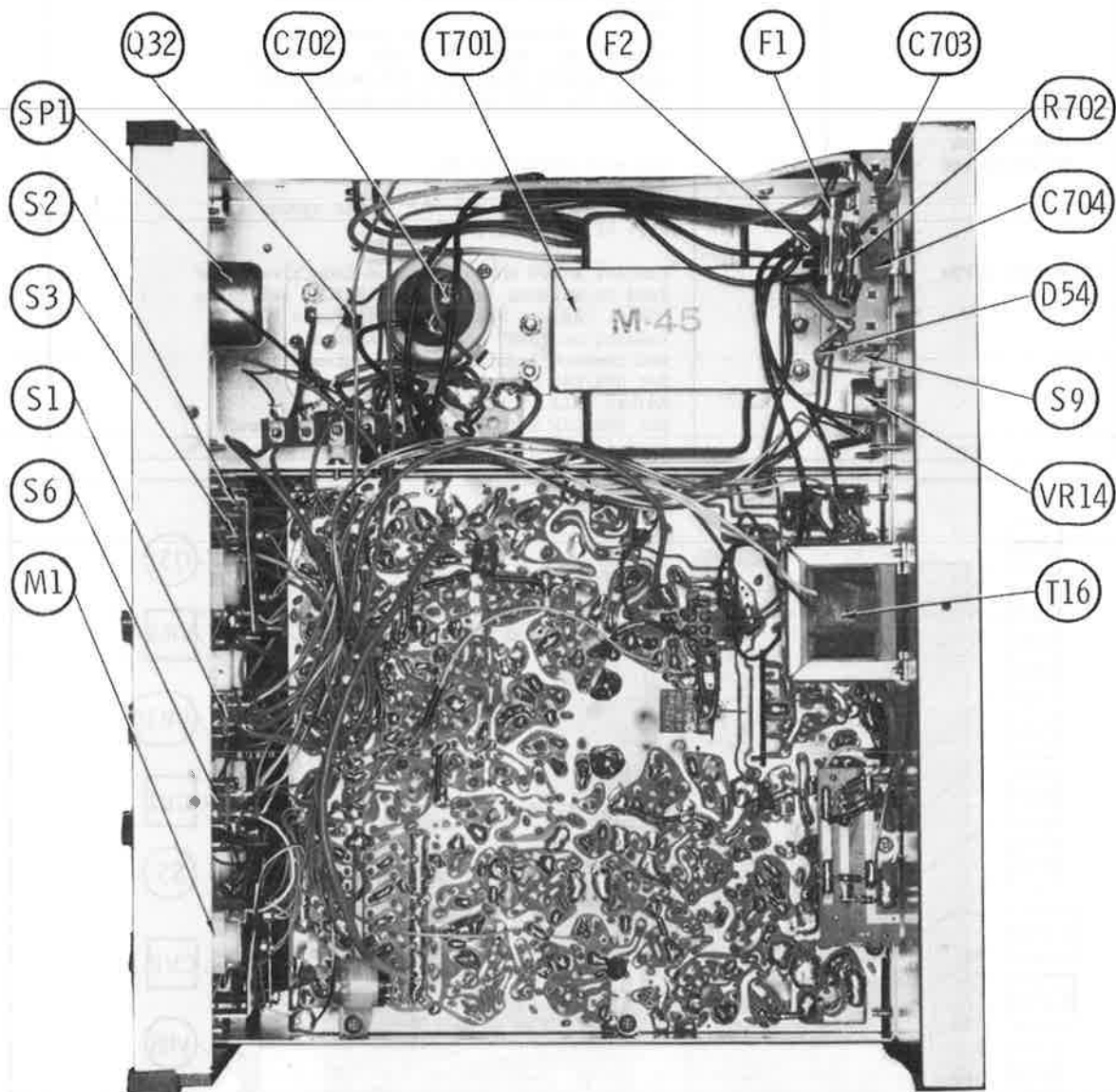
TRANSMITTER ADJUSTMENTS

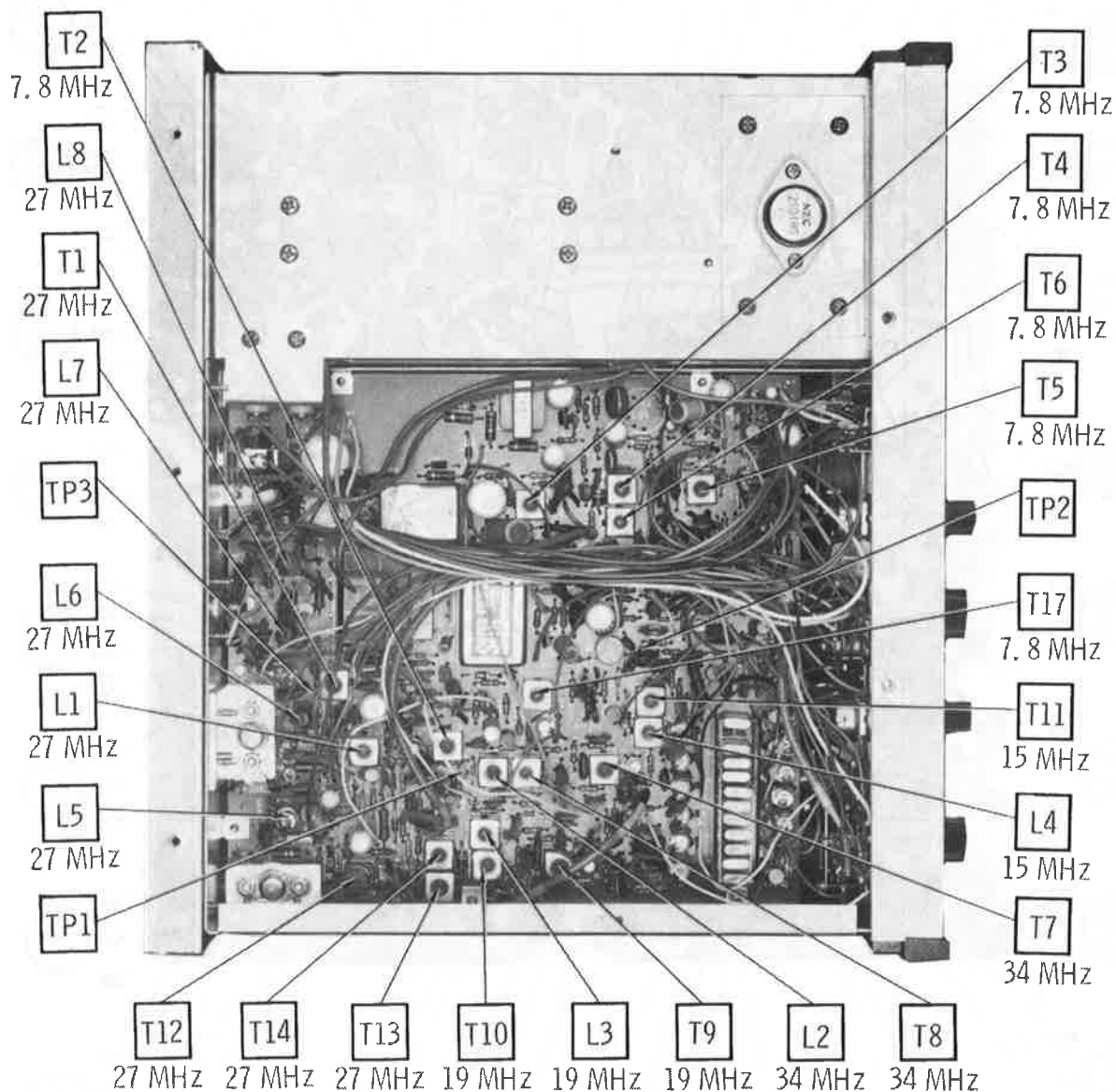
Connect an RF Wattmeter or 50 ohm 25 watt dummy load to antenna connector.
Adjustments made with 14 volt DC input or 120 volt AC input to power supply.

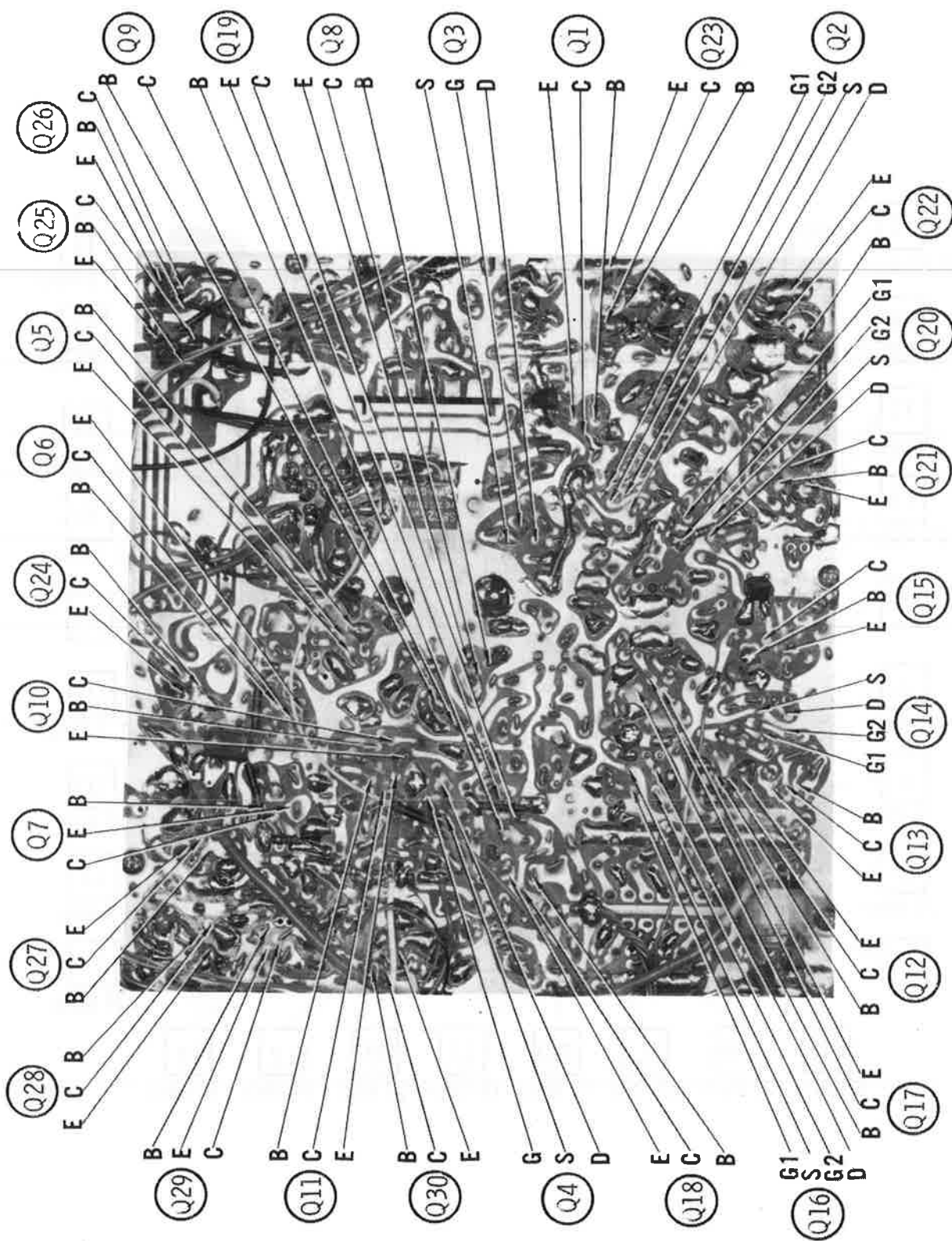
INDICATOR	ADJUST	REMARKS
ALC RF Wattmeter Oscilloscope	VR1	Set mode switch to LSB. Connect audio generator to microphone input. Inject a 1000Hz signal. Key transmitter. Adjust for 8 watts.
AMC Modulator Meter	VR7	Set mode switch to AM. Connect audio generator to microphone input. Inject a 2500Hz signal to produce 50% modulation. Key transmitter. Increase audio output 16dB above 50% modulation. Adjust for 100% modulation maximum.
RF PANEL METER RF Wattmeter	VR2	Set mode switch to AM. Key transmitter. Adjust so that panel "RF" meter agrees with RF Wattmeter.
PANEL SWR METER	VR13 VR14	Connect a 100 ohm 5 watt non-inductive dummy load to antenna jack. Set SWR/CAL switch to "SWR". Adjust SWR-CAL (VR14) for a "2" reading on "SWR" scale. Disconnect 100 ohm and connect regular load to antenna jack. Set SWR/CAL Switch to "CAL". Adjust VR13 to "CAL" on SWR scale. Set SWR/CAL switch to "SWR". Meter should read 1 or small deflection.

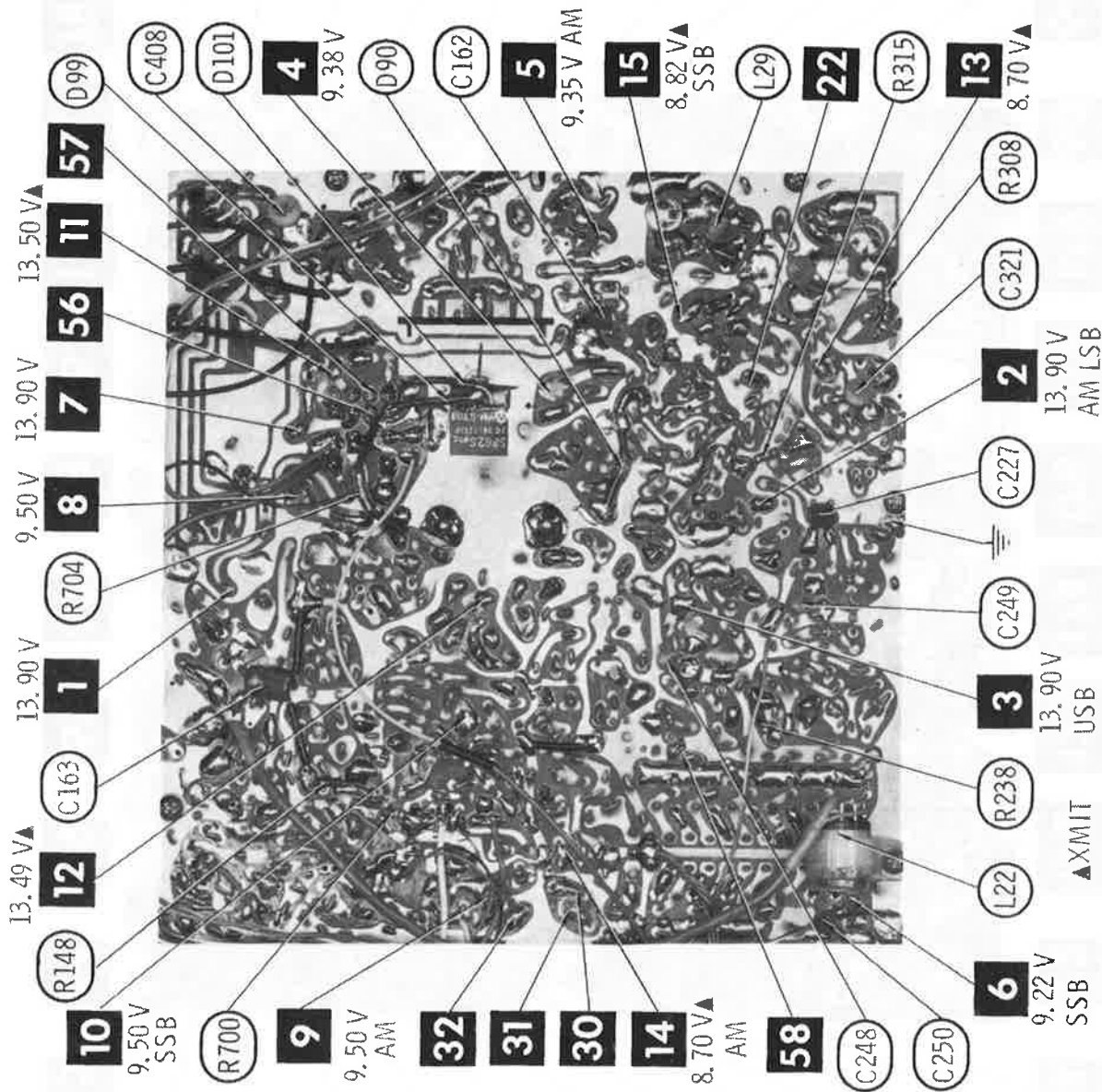
SBE MODEL SBE-16CB





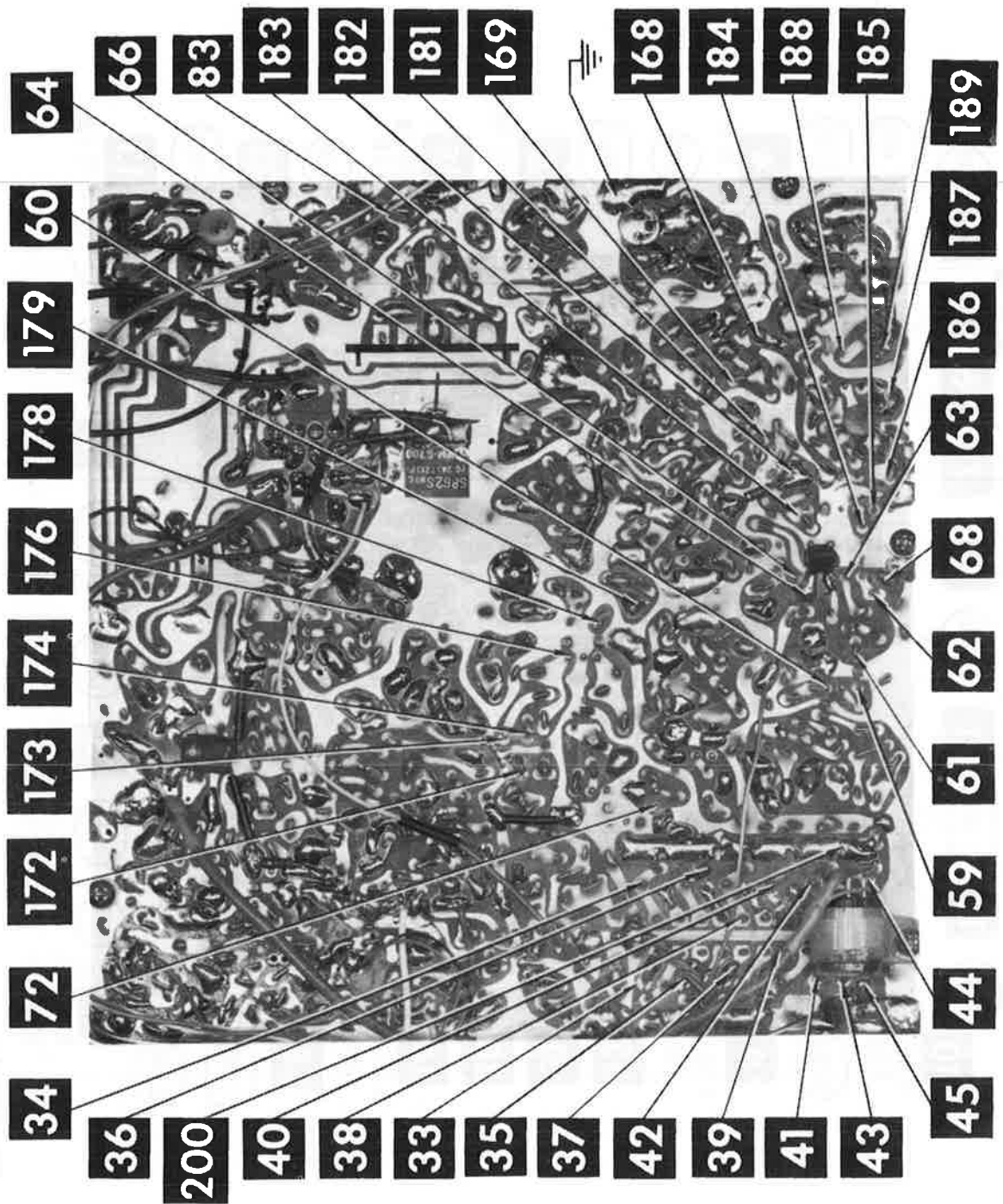


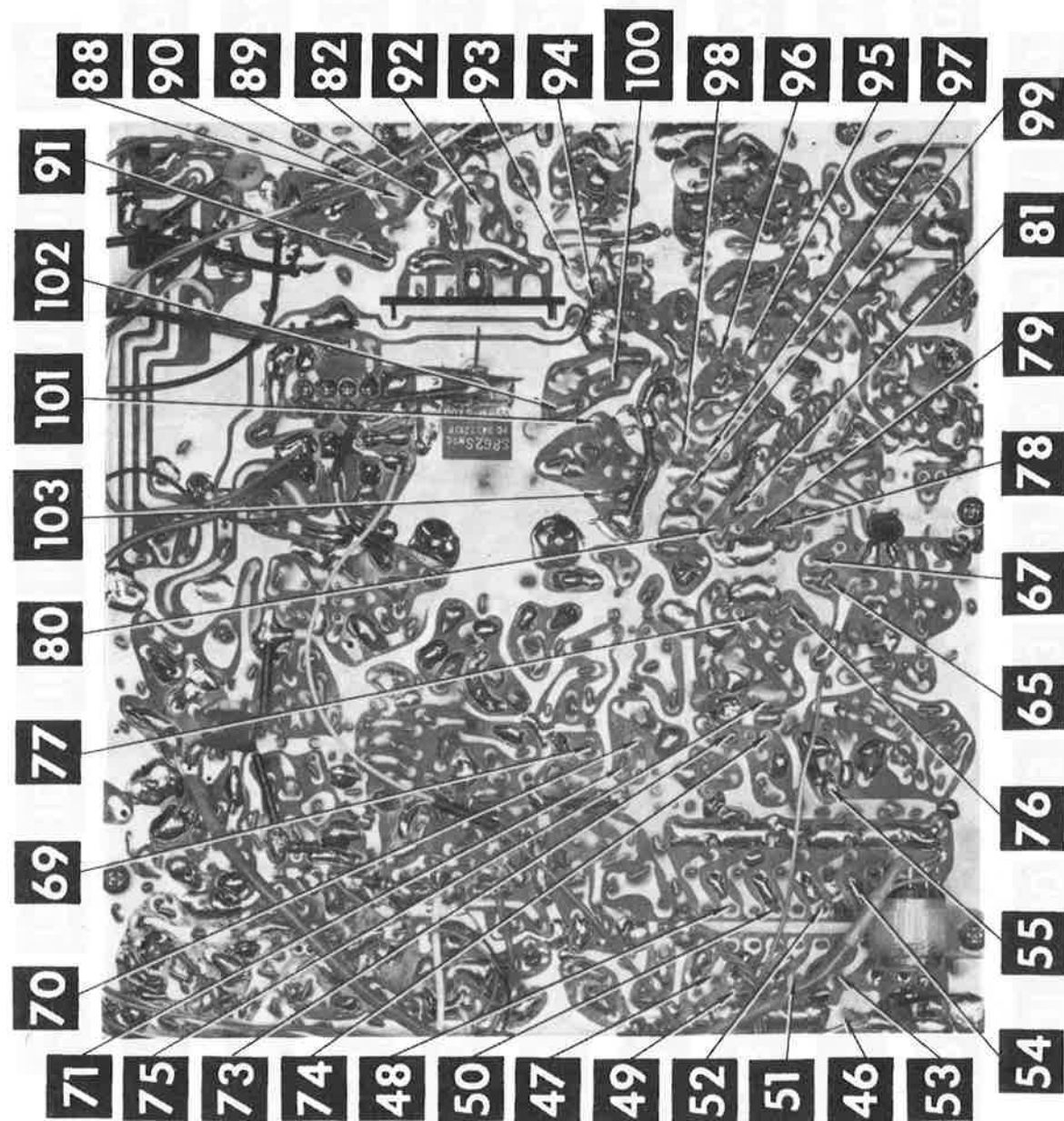




A Howard W. Sams **CIRCUITRACE™** Photo

SBE MODEL SBE-16CB

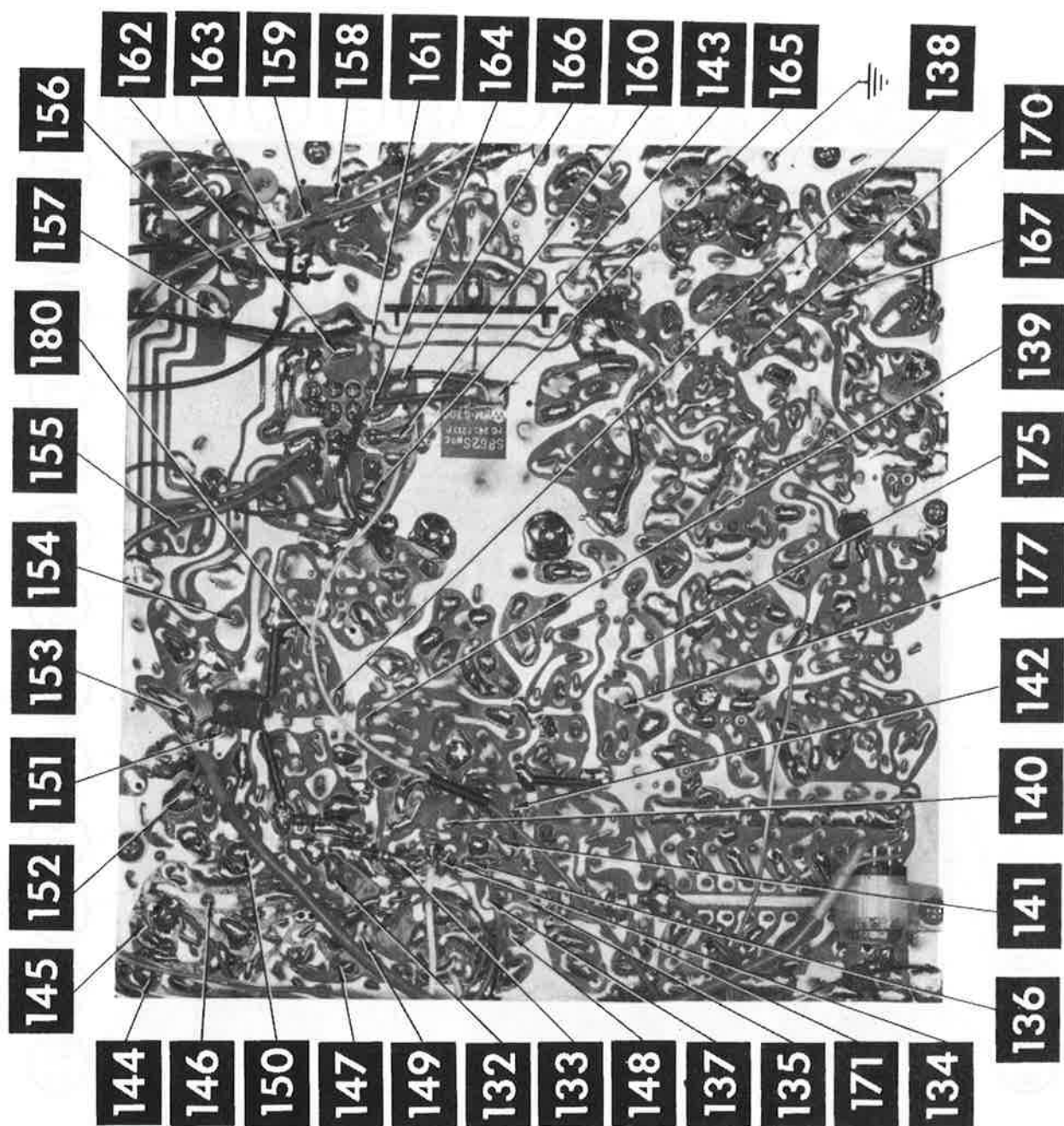




A Howard W. Sams **CIRCUITRACE®** Photo

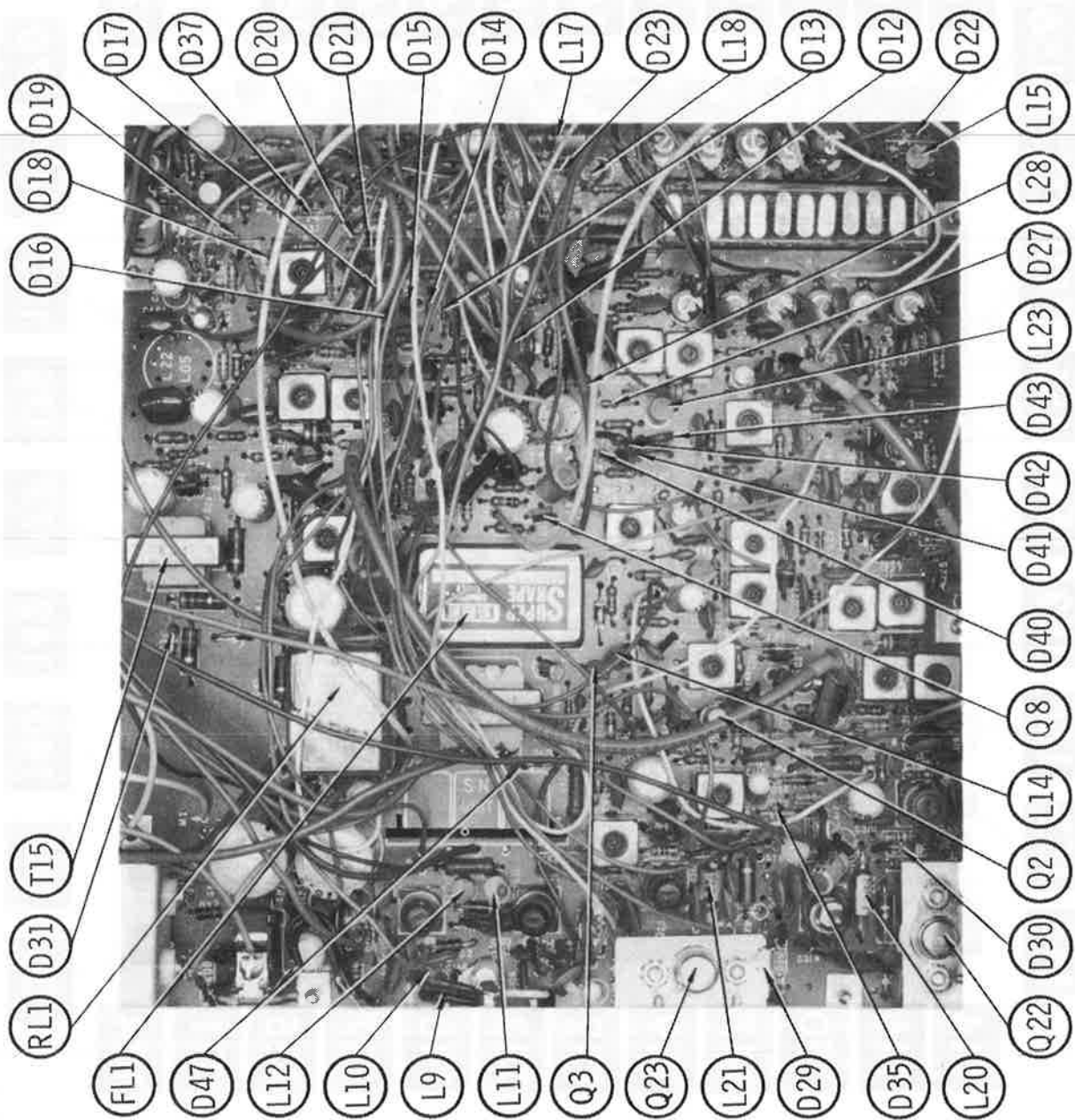
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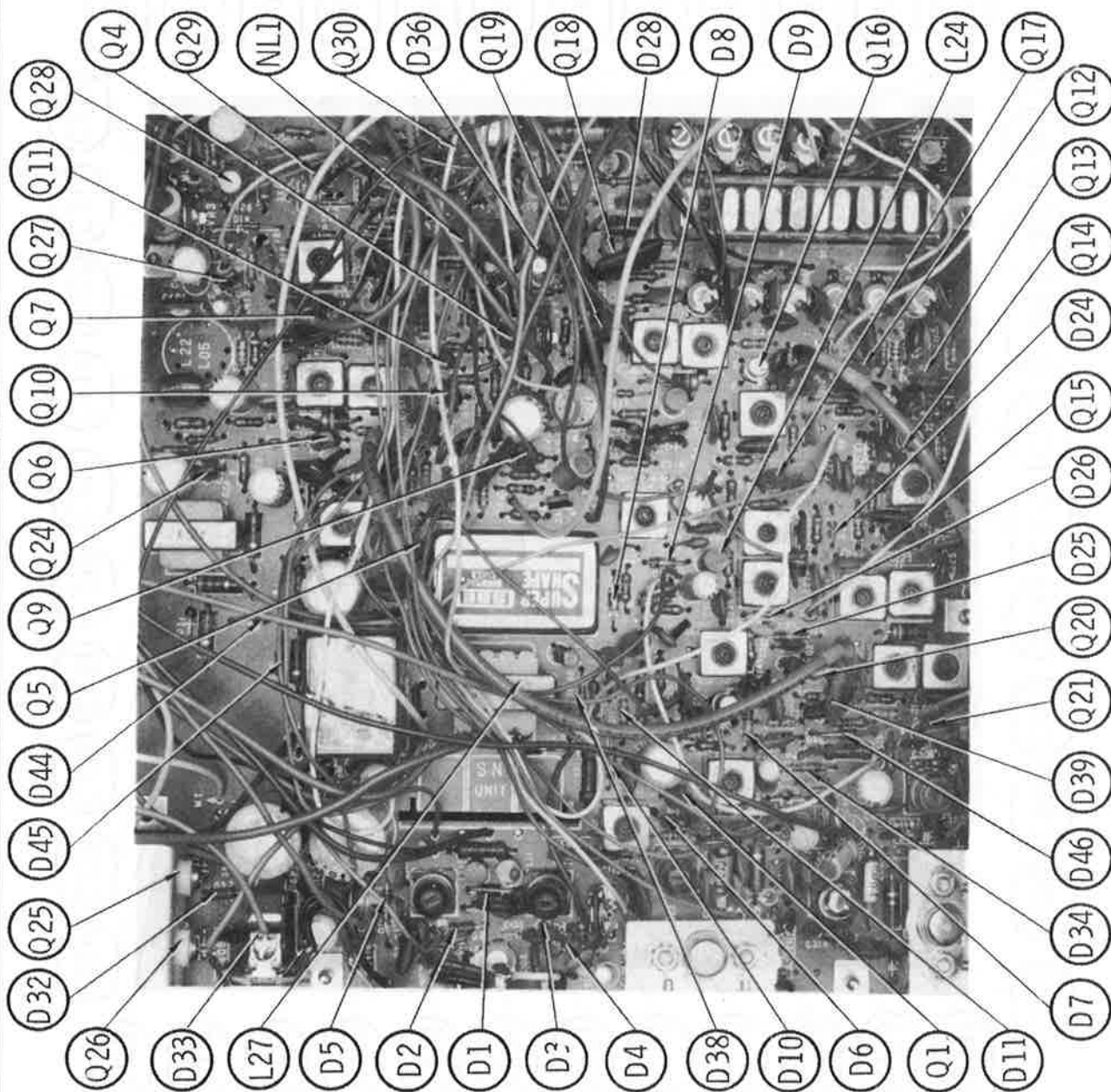




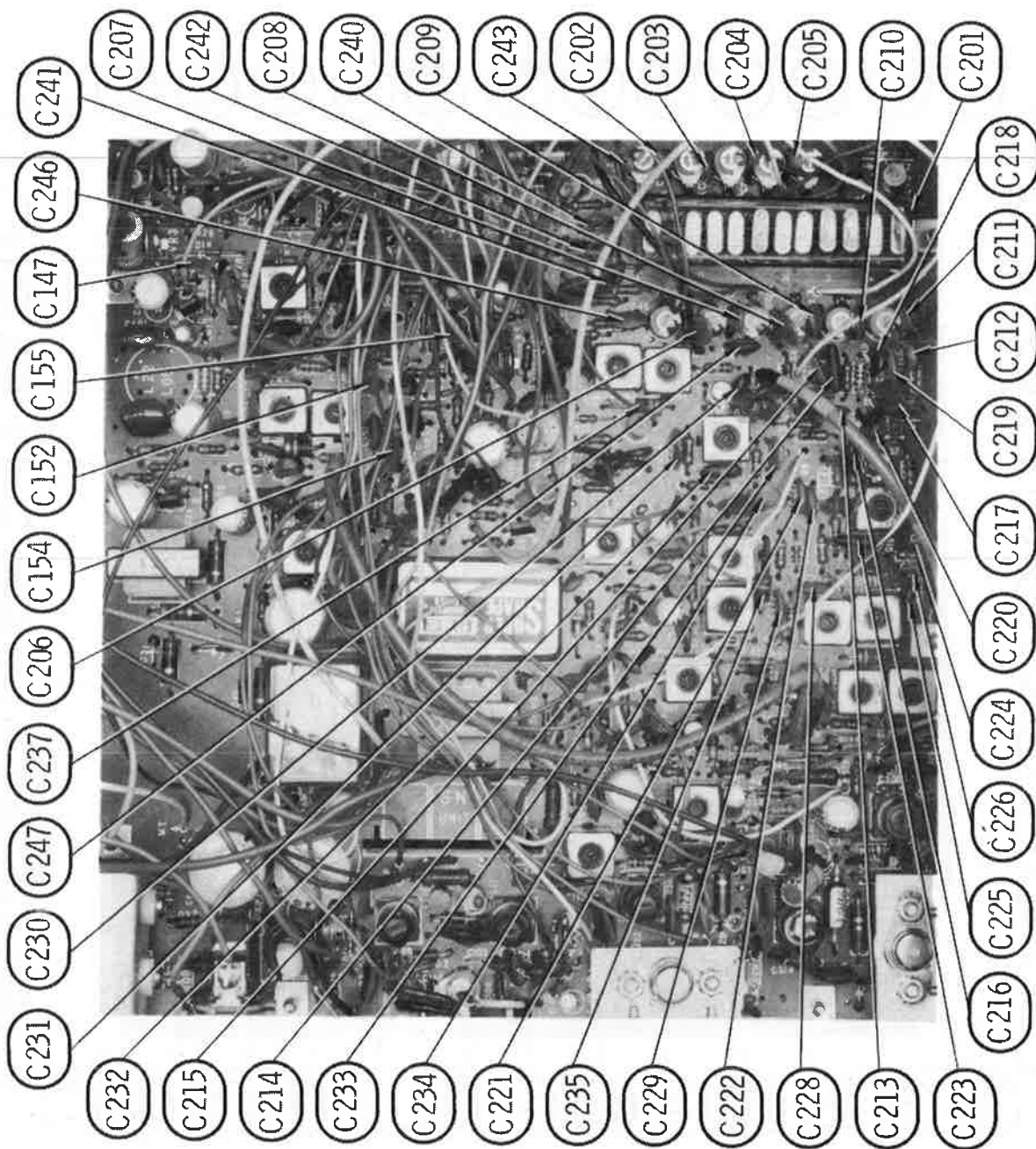
A Howard W. Sams **CIRCUITRACE** Photo

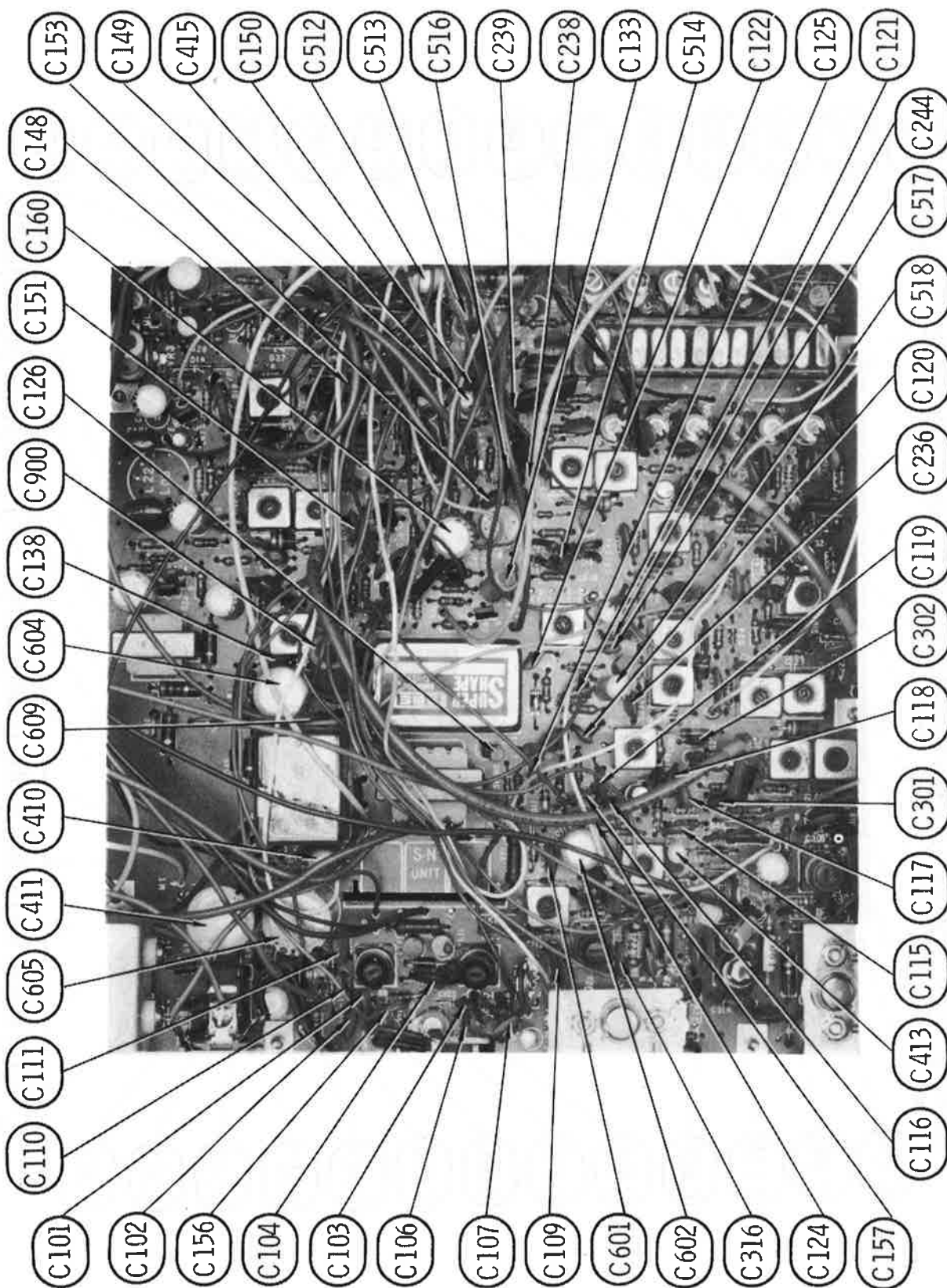
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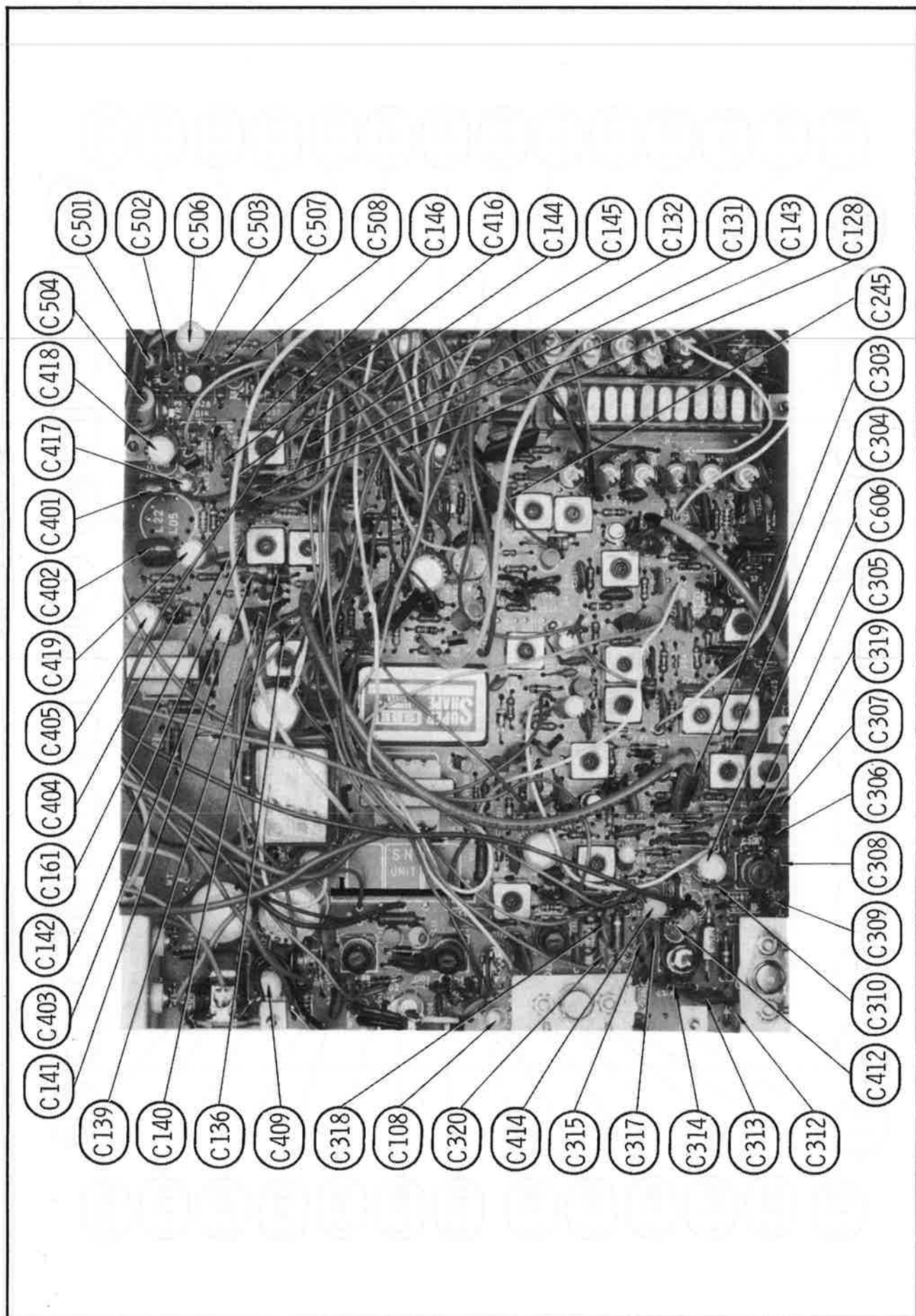


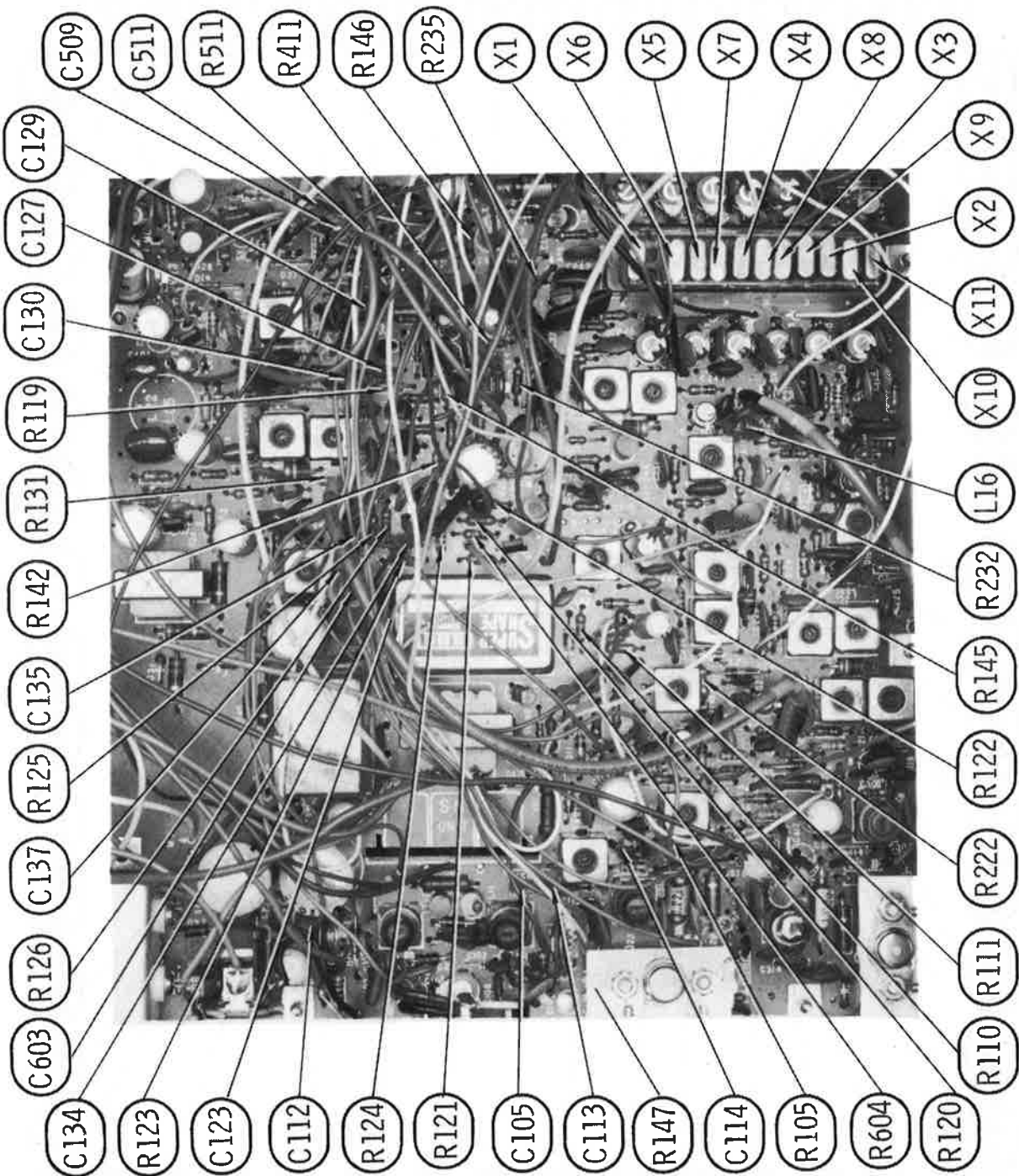
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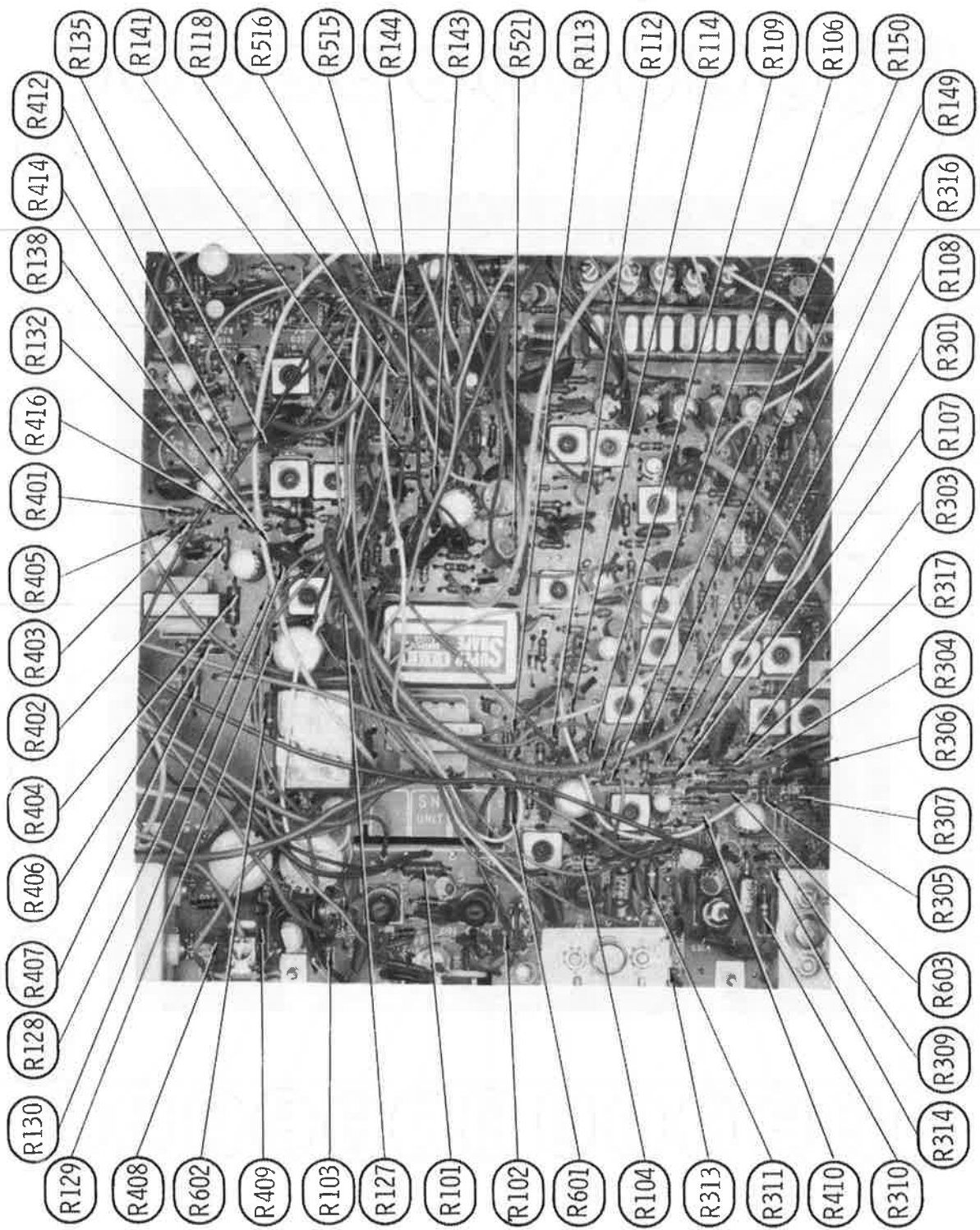


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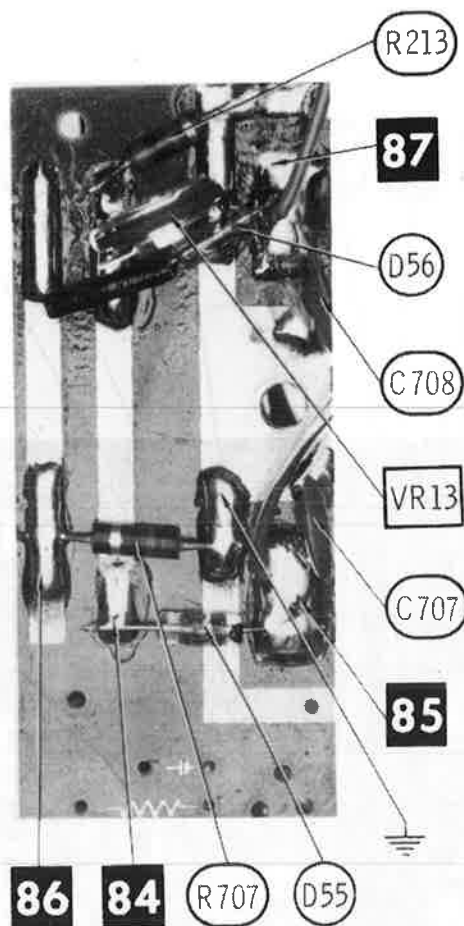




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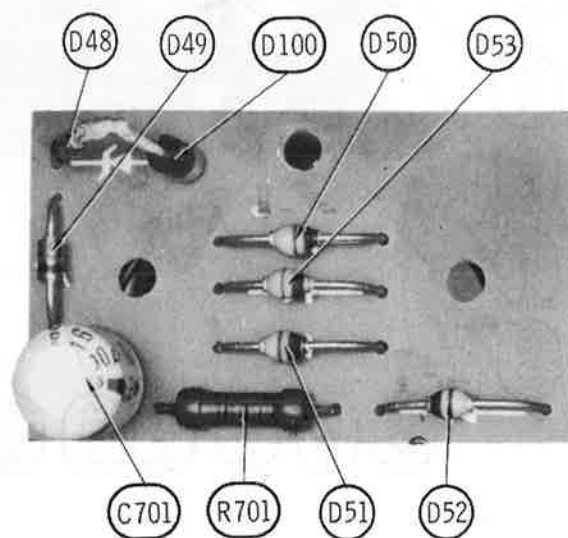
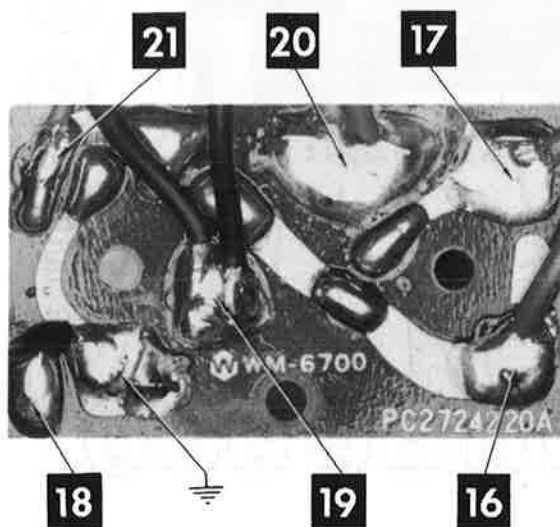




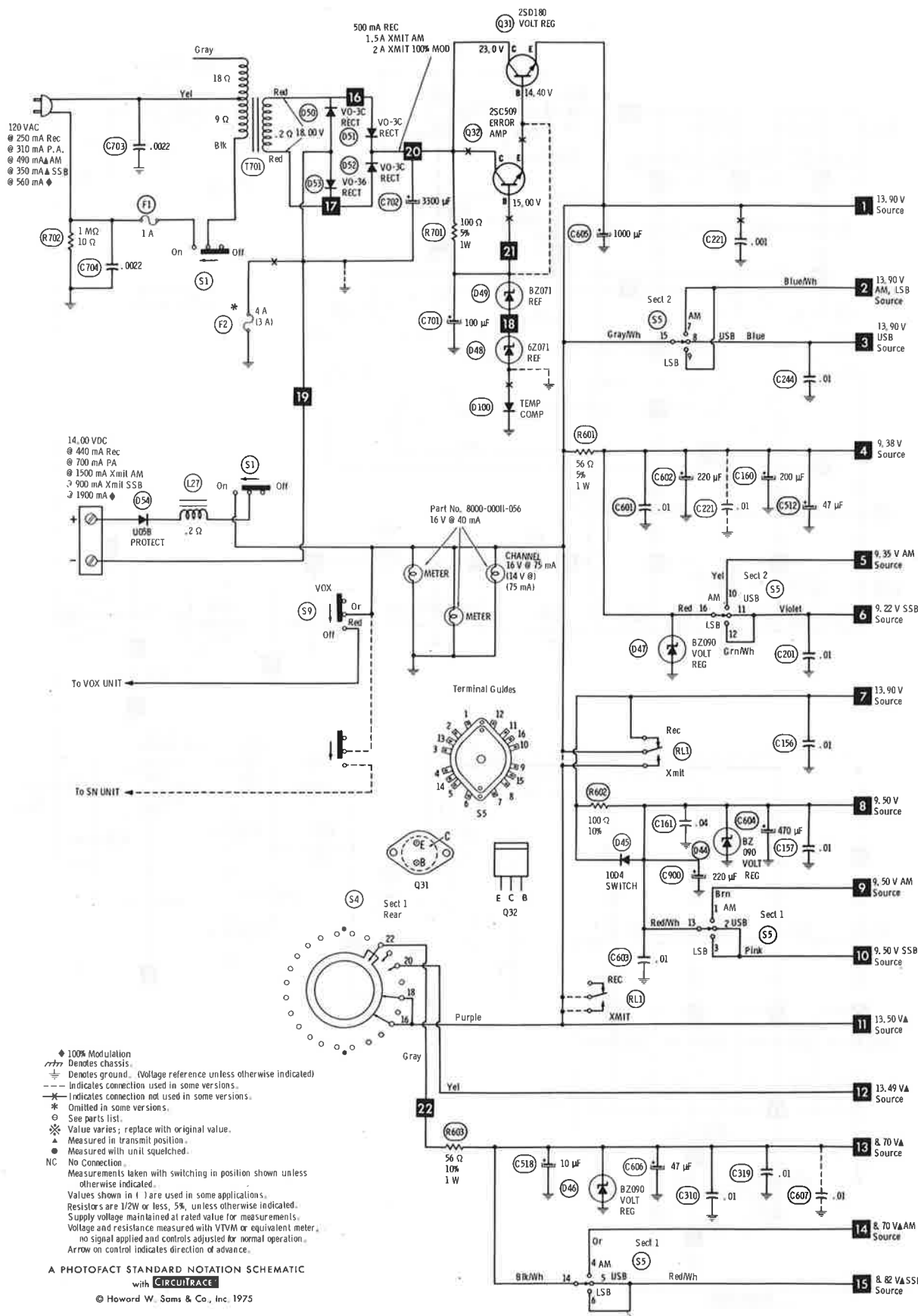


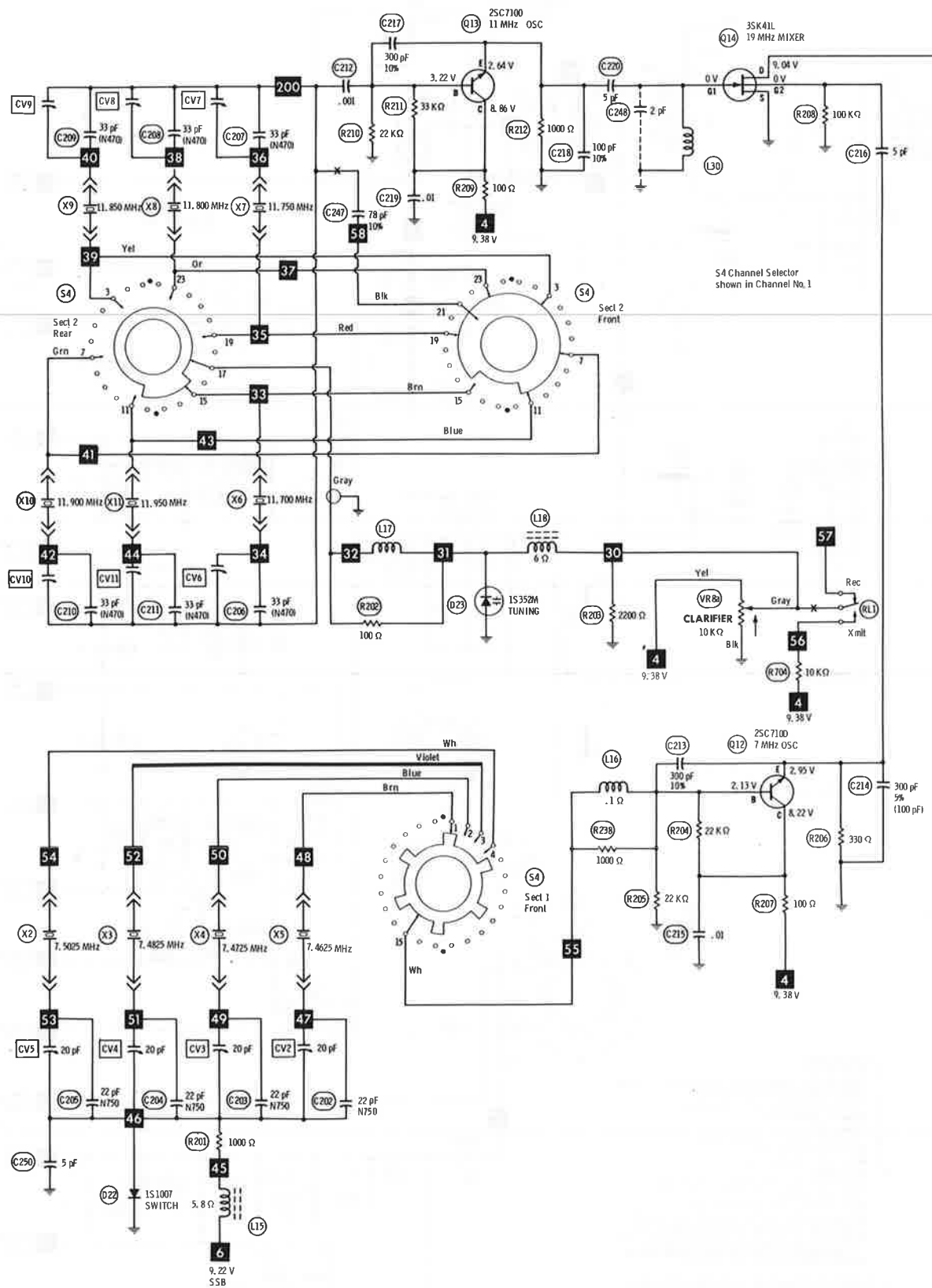
SWR BOARD

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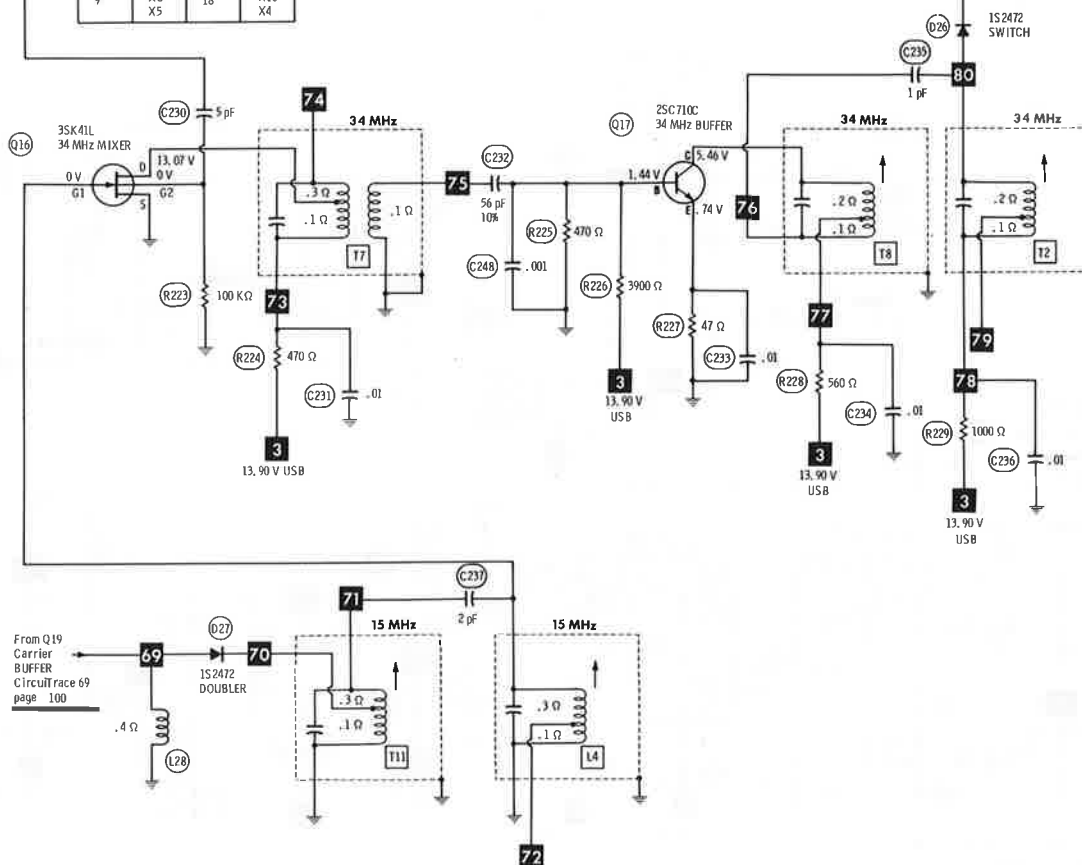
POWER SUPPLY BOARD





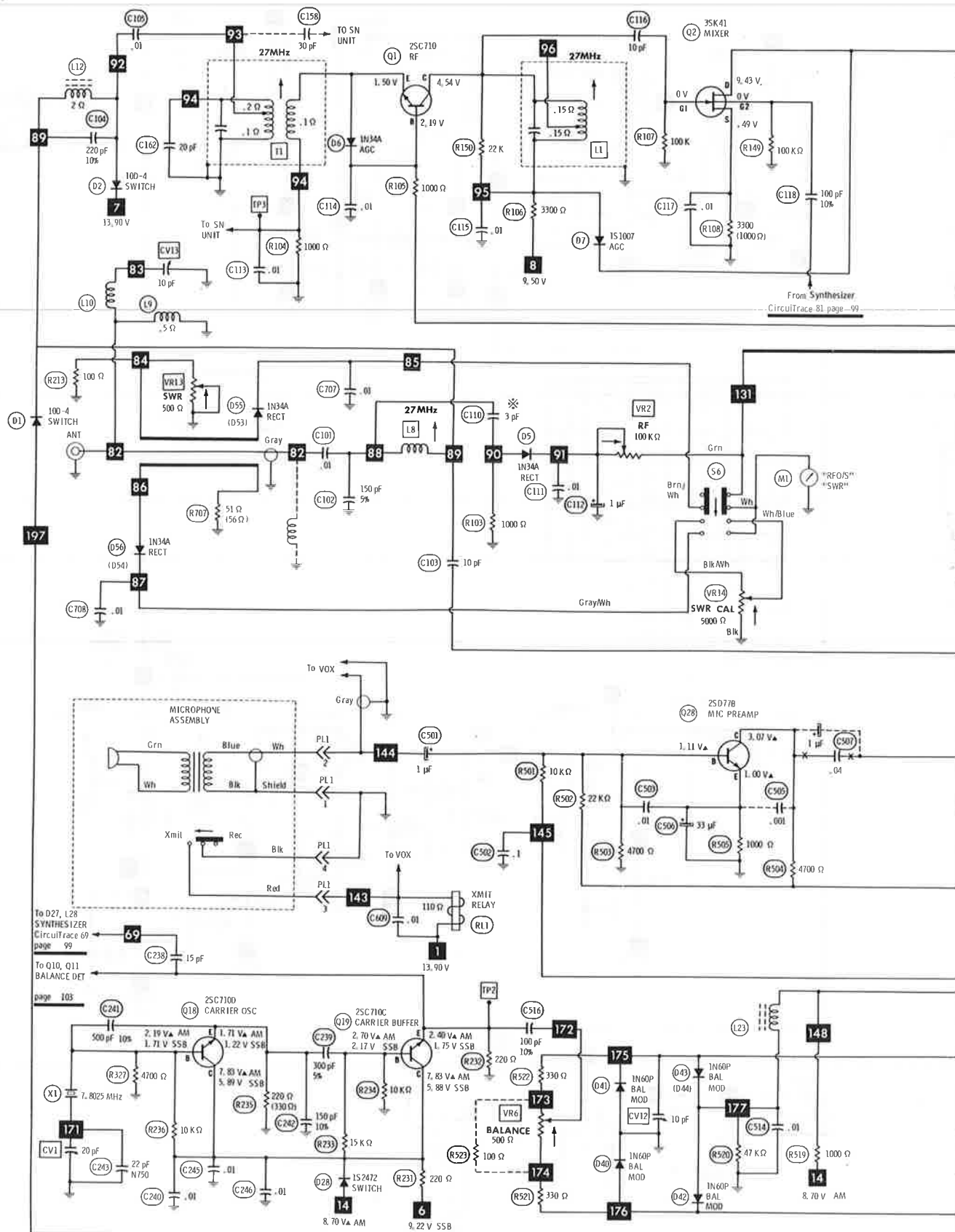
A PHOTOFACT STANDARD NOTATION SCHEMATIC
with CIRCUITRACE
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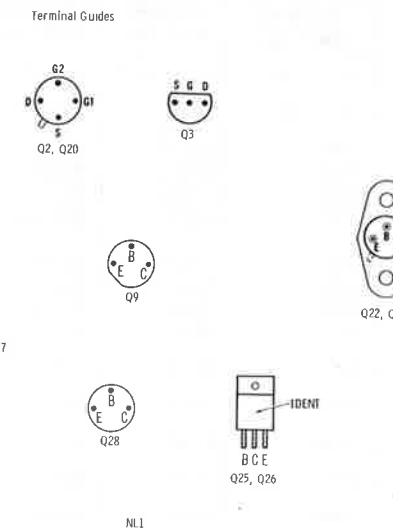
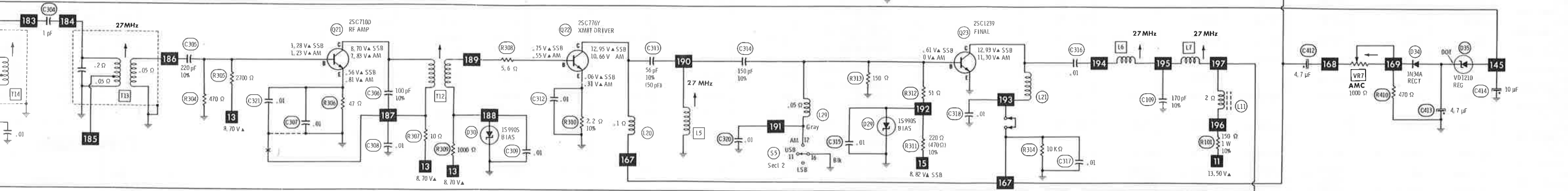
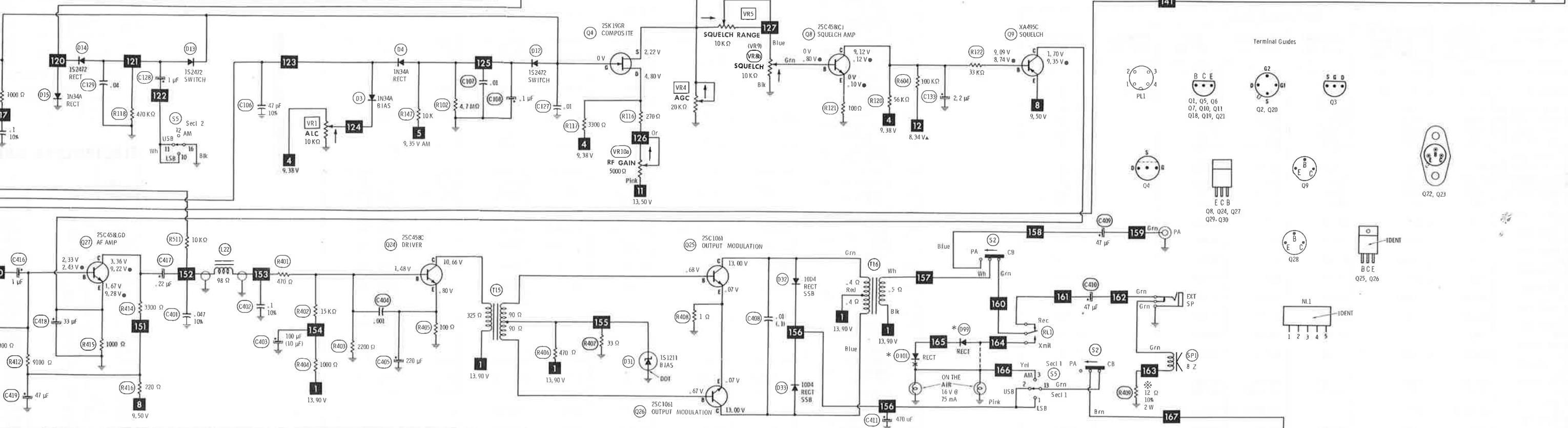
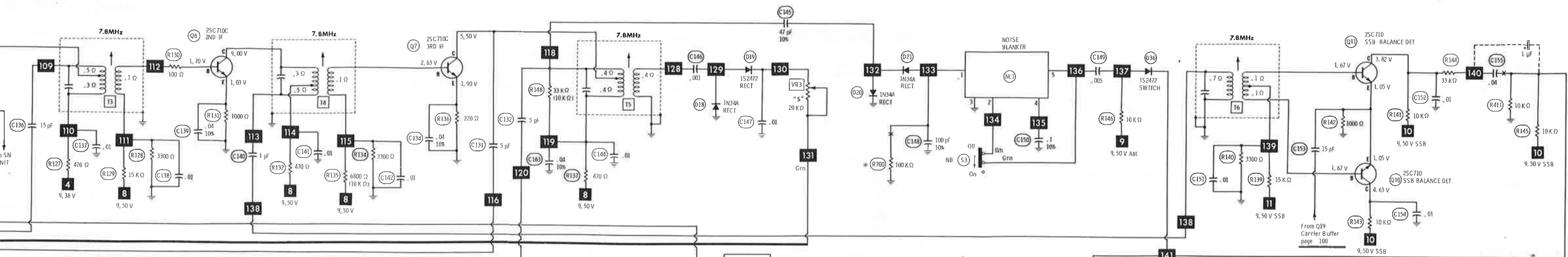
SBE MODEL SBE-16CB



A PHOTOFAC STANDARD NOTATION SCHEMATIC
with **CIRCUITRACE**
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PARTS LIST AND DESCRIPTION
(When ordering parts, state Model, Part Number, and Description.)

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors
Power Cord, 2-Wire	Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) -6 feet 17109 (Plastic) or 17129 (Rubber) -9 feet
Shielded Antenna Lead	Use BELDEN No. 8214 Lowest-loss (RG-8/U Type) 8237 Low-loss (RG-8/U) 8240 (Solid) Miniature (RG-58/U) 8259 (Stranded) Miniature (RG-58A/U)
Coiled Microphone Cable	Use BELDEN No. 8497 3-Conductor (1 shielded for Press-to-Talk) Neoprene 8491 4-Conductor (2 shielded, 2 unshielded) Neoprene
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets
Bonding Strap	Use BELDEN No. 8661 (3/8 inch)

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE / MFGR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D1	10D4/8000-00011-041	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D2	10D4/8000-00011-041	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D3	1N34A/8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D4	1N34A/8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D5	1N34A/8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D6	1N34A/8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D7	1S1007/ 8000-00011-046	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D8	1N60P/8000-00004-063	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D9	1N34A/8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D10	1N34A/8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D11	1N34A/8000-0004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D12	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D13	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D14	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D15	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D16	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D17	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D18	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D19	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D20	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D21	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D22	1S1007/ 8000-00011-046	GE-511	D172	PTC216	HEPR3012	SK3130		ECG 506
D23	1S352M/ 8000-0004-248	GE-90 (8)	D201 (8)		HEPR2503 (8)	SK3126 (8)		
D24	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D25	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D26	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D27	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D28	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D29	1S990S/ 8000-00004-184 .7V Zener	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D30	1S990S/ 8000-00004-184 .7V Zener	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D31	1S1211/ 8000-00011-045	GE-300	D200	PTC214	HEPR0602	SK3100	RT218	ECG 177
D32	10D4/ 8000-00011-041	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D33	10D4/ 8000-00011-041	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D34	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D35	VD1210/ 8000-00011-044							

PARTS LIST AND DESCRIPTION (CONTINUED)
(When ordering parts, state Model, Part Number, and Description.)

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

ITEM No.	TYPE / MFGR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D36	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D37	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D38	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D39	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D40	1N60P/ 8000-00004-063							
D41	1N60P/ 8000-00004-063							
D42	1N60P/ 8000-00004-063							
D43	1N60P/ 8000-00004-063							
D44	BZ-090/ 8000-00011-043 9.1V Zener	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
D45	10D4/ 8000-00011-042	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D46	BZ-090/ 8000-00011-043 9.1V Zener	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
D47	BZ-090/ 8000-00011-042 9.1V Zener	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
D48	BZ-071/ 8000-00011-103 7.1V Zener	GEZD-7.5	Z-1207	PTC504	HEPZ0410	SK3059	RT239	ECG 138
D49	BZ-071/ 8000-00011-103 7.1V Zener	GEZD-7.5	Z-1207	PTC504	HEPZ0410	SK3059	RT239	ECG 138
D50	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D51	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D52	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D53	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D54	V05B/ 8000-00011-105	GE-512	3F20D	PTC204	HEPR0092	SK3051		ECG 156
D55	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D56	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D90								
Q1	2SC710(B)/ 8000-00011-004	GE-10	TR-24	PTC126	HEP723	SK3018	RT107	ECG 107
Q2	3SK41(L)/ 8000-00011-053 (1)							
Q3	2SK31(C)/ 8000-00011-054	GE-FET-2	FE-100	PTC152	HEPF0021	SK3116	RT175	ECG 172
Q4	2SK19(GR)/ 8000-00011-055 (2)	GE-FET-2	FE-100	PTC152	HEPF0021	SK3116	RT175	ECG 172
Q5	2SK34(E)/ 8000-00011-055 (2)	GE-FET-1	FE-100	PTC151	HEP801	SK3112	RT176	ECG 133
Q6	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q7	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q8	2SC458(C)/ 8000-00004-085	GE-20	TR-51	PTC121	HEP53	SK3124	RT102	ECG 123A
D9	XA-495(C)/ 8000-00004-089	GE-21	TR-19	PTC103	HEP242	SK3114	RT115	ECG 129
Q10	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q11	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q12	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A
Q13	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A
Q14	3SK41(L)/ 8000-00011-053 (1)							
Q15	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q16	3SK41(L)/ 8000-00011-053 (1)							
Q17	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q18	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A

SBE MODEL SBE-16CB

PARTS LIST AND D
(When ordering parts, sta

SEMICONDUCTORS

ITEM No.	TYPE / MFGR. No. / PART No.	
Q19	2SC710(C)/ 8000-00011-047	GE
Q20	3SK41(L)/ 8000-00011-053 (1)	GE
Q21	2SC710(D)/ 8000-00011-048	GE
Q22	2SC776(Y)/ 8000-00011-051 (3)	GE
Q23	2SC1239/ 8000-00011-052(4)	GE
Q24	2SC458(C)/ 8000-00004-085	GE
Q25	2SC1061/ 8000-00011-050 (5)	GE
Q26	2SC1061/ 8000-00011-050 (5)	GE
Q27	2SC458(L)(G)(D)/ 8000-00011-049	GE
Q28	2SD77(B), 2SD77(P)/ 8000-00004-086 (2)	GE
Q29	2SC458(C)/ 8000-00004-085	GE
Q30	2SC458(C)/ 8000-00004-085	GE
Q31	2SD180/ 8000-00006-006 (6)	GE
Q32	2SC509	GE

- (1) Substrate not tied to case
- (2) Used in some versions.
- (3) Rating 1 Watt @ 1 Amp
- (4) Rating 12 " @ 4 "
- (5) Rating 25 " @ 3 "
- (6) Rating 50 " @ 5 "

ELECTROLYTIC CAP

ITEM No.	RATING	
C108	.1 16V	8000
C112	1 16V	8000
C126	1 16V	8000
C128	1 16V	8000
C133	2.2 16V	8000
C160	200 16V	8000
C403	100 16V	8000
C405	220 16V	8000
C409	47 16V	8000
C410	47 16V	8000
C411	470 35V	8000
C412	4.7 35V	8000
C413	4.7 25V	8000
C414	10 16V	8000
C415	1 16V	8000
C416	1 16V	8000
C417	.22 16V	8000
C418	33 16V	8000
C419	47 16V	8000
C501	1 16V	8000
C504	47 16V	8000
C506	33 16V	8000
C509	1 16V	8000
C511	1 16V	8000
C512	47 16V	8000
C513	1 16V	8000
C518	10 16V	8000
C602	220 16V	8000
C604	470 16V	8000
C605	1000 16V	8000
C606	47 16V	8000
C701	100 16V	8000
C702	3300 35V	8000
C900	220 16V	8000

CAPACITORS

ITEM No.	RATING	
C101	.01	
C102	150 5%	
C103	10	
C104	220 10%	

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
D36	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D37	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D38	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D39	1S2472/ 8000-00011-042	1N60	1N60	PTC206	HEP135	SK3088		ECG 109
D40	1N60P/ 8000-00004-063							
D41	1N60P/ 8000-00004-063							
D42	1N60P/ 8000-00004-063							
D43	1N60P/ 8000-00004-063							
D44	BZ-090/ 8000-00011-043	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
D45	1004/ 8000-00011-042	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D46	BZ-090/ 8000-00011-043	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
D47	BZ-090/ 8000-00011-042	GEZD-9.1	Z-1210	PTC505	HEPZ0412	SK3060	RT240	ECG 139
D48	BZ-071/ 8000-00011-103	GEZD-7.5	Z-1207	PTC504	HEPZ0410	SK3059	RT239	ECG 138
D49	BZ-071/ 8000-00011-103	GEZD-7.5	Z-1207	PTC504	HEPZ0410	SK3059	RT239	ECG 138
D50	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D51	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D52	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D53	V03C/ 8000-00011-104	GE-504A	8D4 or 5A4D	PTC201 or PTC202	HEPR0052	SK3030 or SK3031	RT213 or RT214	ECG 116 or ECG 117
D54	V05B/ 8000-00011-105	GE-512	3F20D	PTC204	HEPR0092	SK3051		ECG 156
D55	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D56	1N34A/ 8000-00004-060	1N34AS	1N34A	PTC207	HEP134	SK3087		ECG 109
D90								
D100								
Q1	2SC710(B)/ 8000-00011-004	GE-10	TR-24	PTC126	HEP723	SK3018	RT107	ECG 107
Q2	3SK41(L)/ 8000-00011-053 (1)							
Q3	2SK31(C)/ 8000-00011-054	GE-FET-2	FE-100	PTC152	HEPF0021	SK3116	RT175	ECG 172
Q4	2SK19(GR)/ 8000-00011-055 (2)	GE-FET-2	FE-100	PTC152	HEPF0021	SK3116	RT175	ECG 172
Q5	2SK34(E)/ 8000-00011-047	GE-FET-1	FE-100	PTC151	HEP801	SK3112	RT176	ECG 133
Q6	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q7	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q8	2SC458(C)/ 8000-00004-085	GE-20	TR-51	PTC121	HEP53	SK3124	RT102	ECG 123A
D9	XA-495(C)/ 8000-00004-089	GE-21	TR-19	PTC103	HEP242	SK3114	RT115	ECG 129
Q10	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q11	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q12	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A
Q13	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A
Q14	3SK41(L)/ 8000-00011-053 (1)							
Q15	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q16	3SK41(L)/ 8000-00011-053 (1)							
Q17	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q18	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A

SBE MODEL SBE-16CB

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (Select replacement transistor for best results) (cont)

ITEM No.	TYPE / MFR. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	MOTOROLA PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
Q19	2SC710(C)/ 8000-00011-047	GE-17	TR-24	PTC121	HEP56	SK3018	RT108	ECG 107
Q20	3SK41(L)/ 8000-00011-053 (1)							
Q21	2SC710(D)/ 8000-00011-048	GE-20	TR-24	PTC121	HEP56	SK3018	RT102	ECG 123A
Q22	2SC776(Y)/ 8000-00011-051 (3)	GE-45	TR-65		HEPS3001	SK3048		ECG 195
Q23	2SC1239/ 8000-00011-052(4)					SK3049		ECG 237
Q24	2SC458(C)/ 8000-00004-085	GE-20	TR-51	PTC121	HEP53	SK3124	RT102	ECG 123A
Q25	2SC1061/ 8000-00011-050 (5)	GE-66	TR-92			SK3054	RT154	ECG 152
Q26	2SC1061/ 8000-00011-050 (5)	GE-66	TR-92			SK3054	RT154	ECG 152
Q27	2SC458(L)(G)(D)/ 8000-00011-049	GE-20	TR-24	PTC136	HEP53	SK3124	RT102	ECG 123A
Q28	2SD77(B),2SD77(P)/ 8000-00004-086 (2)	GE-54		PTC134	HEP641	SK3010		ECG 103A
Q29	2SC458(C)/ 8000-00004-085	GE-20	TR-51	PTC121	HEP53	SK3124	RT102	ECG 123A
Q30	2SC458(C)/ 8000-00004-085	GE-20	TR-51	PTC121	HEP53	SK3124	RT102	ECG 123A
Q31	2SD180/ 8000-00006-006 (6)	GE-35	TR-61	PTC116	HEP247	SK3027	RT131	ECG 130
Q32	2SC509	GE-18	TR-87	PTC125	HEP53	SK3020	RT100	ECG 128

- (1) Substrate not tied to case. (8) Varactor.
(2) Used in some versions.
(3) Rating 1 Watt @ 1 Amp
(4) Rating 12 " @ 4 "
(5) Rating 25 " @ 3 "
(6) Rating 50 " @ 5 "

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA					
		MFR. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C108	.1 16V	8000-00011-100				TDC104M050E	SD35-R109
C112	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C126	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C128	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C133	2.2 16V	8000-00011-002	RME-A-E-002	EP15-2	PC2-100	VTT2R2A50	EV-1317
C160	200 16V		ME-6-E-200	EP15-250	PC200-16	MTV200DE15	EV-1240
C403	100 16V	8000-00004-047	RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C405	220 16V	8000-00004-044	RME-J-E-250	EP15-250	PC250-25	MTV250DE15	EV-1245
C409	47 16V	8000-00004-009	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C410	47 16V	8000-00004-009	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C411	470 35V	8000-00011-015	RME-O-H-500	EP50-500	WBR500-35	MTA500G50	EV-1450
C412	4.7 35V	8000-00011-014	RME-B-H-005	EP50-5	PC5-50	VTT4R7A50	EV-1519
C413	4.7 25V	8000-00004-030	RME-A-G-005	EP30-5	PC5-50	VTT4R7A50	EV-1319
C414	10 16V	8000-00004-047	RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
C415	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C416	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C417	.22 16V	8000-00004-045				TDC224M050EL	EV-1517
C418	33 16V	8000-00011-003	ME-3-E-035	EA15-25	WBR35-50	MTA30D15	TVA-1149.1
C419	47 16V	8000-00004-003	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C501	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C504	47 16V	8000-00004-009	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C506	33 16V	8000-00011-003	ME-3-E-035	EA15-25	WBR35-50	MTA30D15	TVA-1149.1
C509	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C511	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C512	47 16V	8000-00004-009	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C513	1 16V	8000-00004-042	RME-A-E-001	EP15-1	PC1-50	MTV1CB50	EV-1315
C518	10 16V	8000-00004-047	RME-B-E-010	EP15-10	PC10-25	VTT10A25	EV-1222
C602	220 16V	8000-00004-044	RME-J-E-250	EP15-250	PC250-25	MTV250DE15	EV-1245
C604	470 16V	8000-00011-101	RME-L-E-500	EP15-500	PC500-16	MTV500DN15	EV-1250
C605	1000 16V	8000-00004-049	RME-N-E-1000	EP15-1000	PC1000-16	MTA1000G25	EV-1260
C606	47 16V	8000-00004-009	RME-E-E-050	EP15-50	PC50-16	MTV50CB15	EV-1226
C701	100 16V	8000-00004-046	RME-E-E-100	EP15-100	PC100-16	MTV100CD15	EV-1230
C702	3300 35V	8000-00011-102	CTA1199		AA0145A		TVA-1318.4
C900	220 16V		RME-J-E-250	EP15-250	PC250-25	MTV250DE15	EV-1245

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			ARCO/ELMENDO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	SPRAGUE PART No.
C101	.01		CCD-103	DC-103	GP10000	MAG5011
C102	150 5%		DM10-151J	CPR-150J	CD7FD151J03	SX315
C103	10		DM10-100J		CD6CD100D03	
C104	220 10%		DM10-201J	CPR-200J	CD10FD201J03	SX320
						424ME2000J501

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C105	.01	8000-00004-040	CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C106	47 10%		DM10-470J	CPR-47J	CD6ED470J03	SX447	424MC47R0J501
C107	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C109	170 10%		DM10-161J	CPR-160J	CD7FD161J03	SX316	424MC1600J501
C110	3						
C111	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C113	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C114	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C115	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C116	10		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C117	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C118	100 10%		CCTO-101	DTZ-100	NP0100	CN0310	10TCC-T10
C119	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C120	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C121	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C122	.001	8000-00004-040	CCD-102	DD-102	GP1000	GP210	2SS-D10
C123	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C124	3						
C125	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C127	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C129	.04 10% 50V		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C130	.1 10% 50V		1MDF-3-104		DPMS2P1	EWFA010	1PB-P10
C131	5		DM10-050D		CD6CD050D03		
C132	5		DM10-050D		CD6CD050D03		
C134	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C135	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C136	15		DM10-150J		CD6CD150J03		
C137	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C138	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C139	.04 10% 50V	8000-00004-022	6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C140	1					CN0510	10TCC-V10
C141	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C142	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C143	.04 10%		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C144	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C145	47 10%		DM10-470J	CPR-47J	CD6ED470J03	SX447	424MC47R0J501
C146	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C147	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C148	100 10%		DM10-910J	CPR-91J	CD10FD910J03	SX491	424MC91R0J501
C149	.005		1MDF-1-502	CPJ-502	DPMS6D5	EWFA250	6PS-D50
C150	.1 10%		1MDF-3-104		DPMS2P1	EWFA010	1PB-P10
C151	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C152	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C153	15		DM10-150J		CD6CD150J03		
C154	.01	8000-00004-022	CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C155	.01 50V		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C156	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C157	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C161	.04 10% 50V		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C162	20		DM10-200J	CPR-20J	CD6CD200J03	SX420	424MC200J501
C163	.04 10% 50V		6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C201	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C202	22 N750		CCTN-220	DTN-22	N22	CN7422	10TCU-Q22
C203	22 N750		CCTN-220	DTN-22	N22	CN7422	10TCU-Q22
C204	22 N750		CCTN-220	DTN-22	N22	CN7422	10TCU-Q22
C205	22 N750		CCTN-220	DTN-22	N22	CN7422	10TCU-Q22
C206	33 N470		*		*	*	10TCT-Q33
C207	33 N470		*		*	*	10TCT-Q33
C208	33 N470		*		*	*	10TCT-Q33
C209	33 N470		*		*	*	10TCT-Q33
C210	33 N470		*		*	*	10TCT-Q33
C211	33 N470		*		*	*	10TCT-Q33
C212	.001	8000-00004-013	1MDF-1-102	CPJ-102	DPMS6D1	EWFA210	1PB-D10
C213	300 10%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C214	300 5%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C215	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C216	5		DM10-050D		CD6CD050D03		
C217	300 10%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C218	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C219	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C220	5		DM10-050D		CD6CD050D03		
C221	.001		1MDF-1-102	CPJ-102	DPMS6D1	EWFA210	1PB-D10
C222	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C223	220 10%		DM10-201J	CPR-200J	CD10FD201J03	SX320	424ME2000J501
C224	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C225	2						
C226	.01	8000-00004-040	CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C227	3						
C228	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C229	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C230	5		DM10-050D		CD6CD050D03		
C231	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C232	56		CCD-103	DTZ-68	NP068	CN0468	10TCC-Q68
C233	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C234	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C235	1					CN0510	10TCC-V10
C236	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C237	2		CCTO-2R2	DTZ-2R2	NP02P2	CN0522	10TCC-V22

SBE MODEL SBE-16CB

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS(cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			ARCO/ELMENCOPART No.	CENTRALABPART No.	CORNELL-DUBILIERPART No.	MALLORYPART No.	SPRAGUEPART No.
C238	15		DM10-150J		CD6CD150J03		
C239	300 5%		DM15-301J	CPR-300J	CD15FD301J03	SX330	424ME3000J501
C240	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C241	500 10%		DM15-501J		CD15FD501J03		
C242	150 10%		DM10-151J	CPR-150J	CD7FD151J03	SX315	424MC1500J501
C243	22 N750			DTN-22	N22	CN7422	10TCU-Q22
C244	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C245	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C246	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C247	78 10%		DM10-750J	CPR-75J	CD6ED750J03	SX475	424MC750J501
C248	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C249	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C250	5		DM10-050D		CD6CD050D03		
C301	30		DM10-300J	CPR-30J	CD6ED300J03	SX430	
C302	20		DM10-200J	CPR-20J	CD6CD200J03	SX420	
C303	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C304	1					CN0510	10TCC-V10
C305	220 10%		DM10-221J	CPR-220J	CD10FD221J03	SX322	424ME2200J501
C306	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C307	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C308	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C309	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C310	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C312	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C313	50 10%		DM10-500J		CD6ED500J03		
C314	150 10%		DM10-151J	CPR-150J	CD7FD151J03	SX315	424MC1500J501
C315	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C316	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C317	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C318	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C319	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C320	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C321	.01		CCD-102	DD-102	GP1000	GP210	2SS-D10
C401	.047 10% 50V		1MDF-2-473		DPMS2S47	EWFA1A147	1PB-S47
C402	.1 10% 50V		1MDF-3-104		DPMS2P1	EWFA1A010	1PB-P10
C404	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C408	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C502	.1			DC-104	MGP1	MAG5001	TG-P10
C503	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C507	.04 10% 50V	8000-00004-050	6DP-3-393		DPMS6S39	PVC6139	6PS-S39
C508	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C514	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C516	100 10%		DM10-101J	CPR-100J	CD10FD101J03	SX310	424MC1000J501
C517	.001		CCD-102	DD-102	GP1000	GP210	2SS-D10
C601	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C603	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C703	.0022		CCD-222			GP222	10TS-D22
C704	.0022		CCD-222			GP222	10TS-D22
C707	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
C708	.01		CCD-103	DC-103	GP10000	MAG5011	2SS-S10
CV1	20 Variable	8000-00004-050					
CV2	20 Variable	8000-00004-050					
CV3	20 Variable	8000-00004-050					
CV4	20 Variable	8000-00004-050					
CV5	20 Variable	8000-00004-050					
CV6	30 Variable	8000-00004-051					
CV7	30 Variable	8000-00004-051					
CV8	30 Variable	8000-00004-051					
CV9	30 Variable	8000-00004-051					
CV10	30 Variable	8000-00004-051					
CV11	30 Variable	8000-00004-051					
CV12	10 Variable	8000-00004-204					
CV13	10 Variable	8000-00004-205					

* 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				
			MFR. PART No.	CENTRALABPART No.	CLAROSTATPART No.	CTS-IRCPART No.	MALLORYPART No.
VR1	ALC	10K	8000-00004-096	TSV-10K or T-10K	C-103	X201R103B	MTC14L1
VR2	RF	100K	8000-00004-094	TSV-100K or T-100K	C-104	X201R104B	MTC15L1
VR3	"S" Meter	20K	8000-00011-083	T-20K (2) or TSV-25K (2)	C-253 (2)	X201R253B (2)	MTC24L1 (2)
VR4	AGC	20K	8000-00011-083	T-20K (2) or TSV-25K (2)	C-253 (2)	X201R253B (2)	MTC24L1 (2)
VR5	Squelch Range	10K	8000-00004-097	TSV-10K (2) or T-10K (2)	C-103 (2)	X201R103B (2)	MTC14L1 (2)
VR6	Balance	100		TSV-100 (4) or T-100 (4)		X201R101B (4)	MTC12L1 (4)
VR7	Balance AMC	500 1000	(6) 8000-00011-082	TSV-1K or T-1000	C-102	X201R102B	MTC13L1

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
VR8a	Clarifier	10K	8000-00004-256				
b	Squelch	10K					
VR10a	RF Gain	5000	8000-00011-111				
b	Volume	10K					
VR13	SWR	500	8000-00011-112	TSV-500 (2) or T-500 (2)	C-501 (2)	X201R501B (2)	MTC52L1 (2)
VR14	SWR Calibrate	5000		F1-5000 (1), SRS006	A47-5000-S (1), KSS-3 or [NP-5000-S (1), UP-S-010]	BU1 (1), CF8, SS2, DC1	RU53L, SL36 (1), SL1500 or [UA53L (1), SK750] or U14 (1)

(1) Enlarge mounting hole.

(2) Cut off one of the end terminals and bend to fit PC board.

(4) Modify terminals to fit PC board.

(6) Alternate part, may be used in some versions.

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Rec. RF (27MHz)	8000-00011-023	C193-1T 3T22		
L2	34MHz Buffer	8000-00011-024			
L3	19MHz Buffer	8000-00011-025	Z178ZT 353Y		
L4	15MHz Doubler	8000-00011-026			
L5	Xmit. Driver (27MHz)	8000-00004-075	43N		
L6	Final Tank (27MHz)	8000-00011-027	201Z		
L7	Antenna Loading (27MHz)	8000-00004-077	45Z		
L8	Pi Network (27MHz)	8000-00004-078	46Z		
L9	RF Choke (22uH)	8000-00004-053		74F225AI	
L10	RF Choke (.85uH)	8000-00004-059		4594	
L11	RF Choke (150uH)	8000-00011-018	151	72F154AP	
L12	RF Choke (150uH)	8000-00011-018	151	72F154AP	
L14	RF Choke (470uH)	8000-00011-020	471	72F474AP	
L15	RF Choke (470uH)	8000-00011-020	471	72F474AP	
L16	RF Choke (5.5uH)	8000-00011-017		74F566AP	
L17	RF Choke (.22uH)	8000-00011-016		4584	
L18	RF Choke (470uH)	8000-00011-020	471	72F474AP	
L20	RF Choke (1uH)	8000-00004-025		74F106AP	
L21	RF Choke (.22uH)	8000-00011-016		4584	
L23	RF Choke (22uH)	8000-00011-019	220	74F225AI	
L24	RF Choke (22uH)	8000-00011-019	220	74F225AI	
L28	RF Choke (15uH)	8000-00004-056		74F155AP	
L29	RF Choke (3.0uH)	8000-00004-054		74F336AP	
L30	RF Choke (22uH)	8000-00004-053		74F225AI	
T1	Rec. Antenna (27MHz)	8000-00011-028	C200ZT 3732		
T2	Rec. Mixer (7.8MHz)	8000-00011-029	S183AT 3722		
T3	Input IF (7.8MHz)	8000-00011-029	S183AT 3722		
T4	Interstage IF (7.8MHz)	8000-00011-029	S183AT 3722		
T5	Output IF (7.8MHz)	8000-00011-030	S190AT 353B		
T6	NB IF (7.8MHz)	8000-00011-031			
T7	34MHz Mixer	8000-00011-032	Z189AT 382Y		
T8	34MHz Buffer	8000-00011-033			
T9	19MHz Mixer	8000-00011-034	Z188AT 372R		
T10	19MHz Buffer	8000-00011-035	Z178ZT 353Y		
T11	15MHz Doubler	8000-00011-026	Z1761T 3812		
T12	Xmit. Amp (27MHz)	8000-00004-118			
T13	Xmit. Mixer (27MHz)	8000-00011-036	C182ZT 381Y		
T14	Xmit. Mixer (27MHz)	8000-00011-037	Z178ZT 383Y		
T17	Balance Modulation (7.8MHz)	8000-00011-038	S111DT 353Y		

SBE MODEL SBE-16CB

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA				NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (0 CURRENT 1000~)	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
L27	1900mA	.2	2mH	8000-00011-022 (K-10)				

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	SEC. 2	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD Part No.	
T15	1.3	1		8000-00011-039 (A-31)				

PARTS LIST AND DESCRIPTION (CONTINUED)

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

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T16	11.5	8	8000-00011-040 (G-12)				

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T701	120V AC @ 490mA AC	18.00V AC @ 1500mA AC	8000-00011-110				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	2 3/4" PM 8 ohms	8000-00011-057	27A05Z8	

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 F2	1A Quick-acting 4A Quick-acting	8000-00004-213		GJV 1 AGC 4	HKP	318001 312004	150145	FG4-2

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
FL1	Filter	8000-00011-071	Ceramic 7.8MHz
NL1	Noise Limiter	8000-00011-094	
RL1	Relay	8000-00004-141	
S1	Switch	8000-00011-105	
S2	Switch	8000-00011-106	
S3	Switch	8000-00011-107	
S4	Switch	8000-00011-058	
S5	Switch	8000-00004-102	
S6	Switch	8000-00011-109	
S9	Switch	8000-00011-105	
X1	Crystal	8000-00011-059	
X2	Crystal	8000-00011-060	Xmit/Rec Power PA/CB Noise Blanker Channel Selector Mode SWR/Ca1 VOX/Off 7.8025MHz 7.5025MHz 7.4825MHz 7.4725MHz 7.4625MHz 11.700MHz 11.750MHz 11.800MHz 11.850MHz 11.900MHz 11.950MHz
X3	Crystal	8000-00011-061	
X4	Crystal	8000-00011-062	
X5	Crystal	8000-00011-063	
X6	Crystal	8000-00011-064	
X7	Crystal	8000-00011-065	
X8	Crystal	8000-00011-066	
X9	Crystal	8000-00011-068	
X10	Crystal	8000-00011-069	
X11	Crystal	8000-00011-070	

CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Cabinet	8000-00011-115	Knob, Volume/SSB RF Gain	8000-00011-119
Overlay Panel	8000-00011-116	Knob, Squelch/Clarifier	8000-00011-120
Knob, Channel	8000-00011-117	Chassis, Bottom Cover	8000-00011-121
Knob, Mode	8000-00011-118	Grill, Speaker	8000-00011-122

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	8000-00004-153	Complete