

PHOTOFACT[®] with

CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

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 (Formula D)

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: GC ELECTRONICS
 T2-1, T2-2, T3, T4, T5, T6 5000, 8290
 ALL Other Tunable Coils and Transformers 9440

SEE MODEL SBE-26CB

RECEIVER

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

SIGNAL GENERATOR	GEN. FREQ.	CHANNEL	ADJUST	REMARKS
High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation.	13	T1,L1, T2-1,T2-2	Set delta tune to center position. Set noise limiter Off. Set squelch fully counterclockwise. Adjust generator output to maintain 1.1 watt output. Adjust for maximum.
High side thru .01uF to TP2, low side to ground.	455kHz, 1000Hz @ 30% modulation.	Any	T3,T4,T5, T6	Adjust generator output to maintain 1.1 watt output. Adjust for maximum.

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

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RECEIVER ADJUSTMENTS

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

SIGNAL GENERATOR	GEN FREQ	CHANNEL	ADJUST	REMARKS
SQUELCH RANGE High side thru .01uF to antenna jack, low side to ground.	27.115MHz, 1000Hz @ 30% modulation, output 300uV.	13	VR8	Set squelch control fully clock- wise. 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 100uV.	13	VR7	Adjust for S9 reading on panel meter.

TRANSMITTER

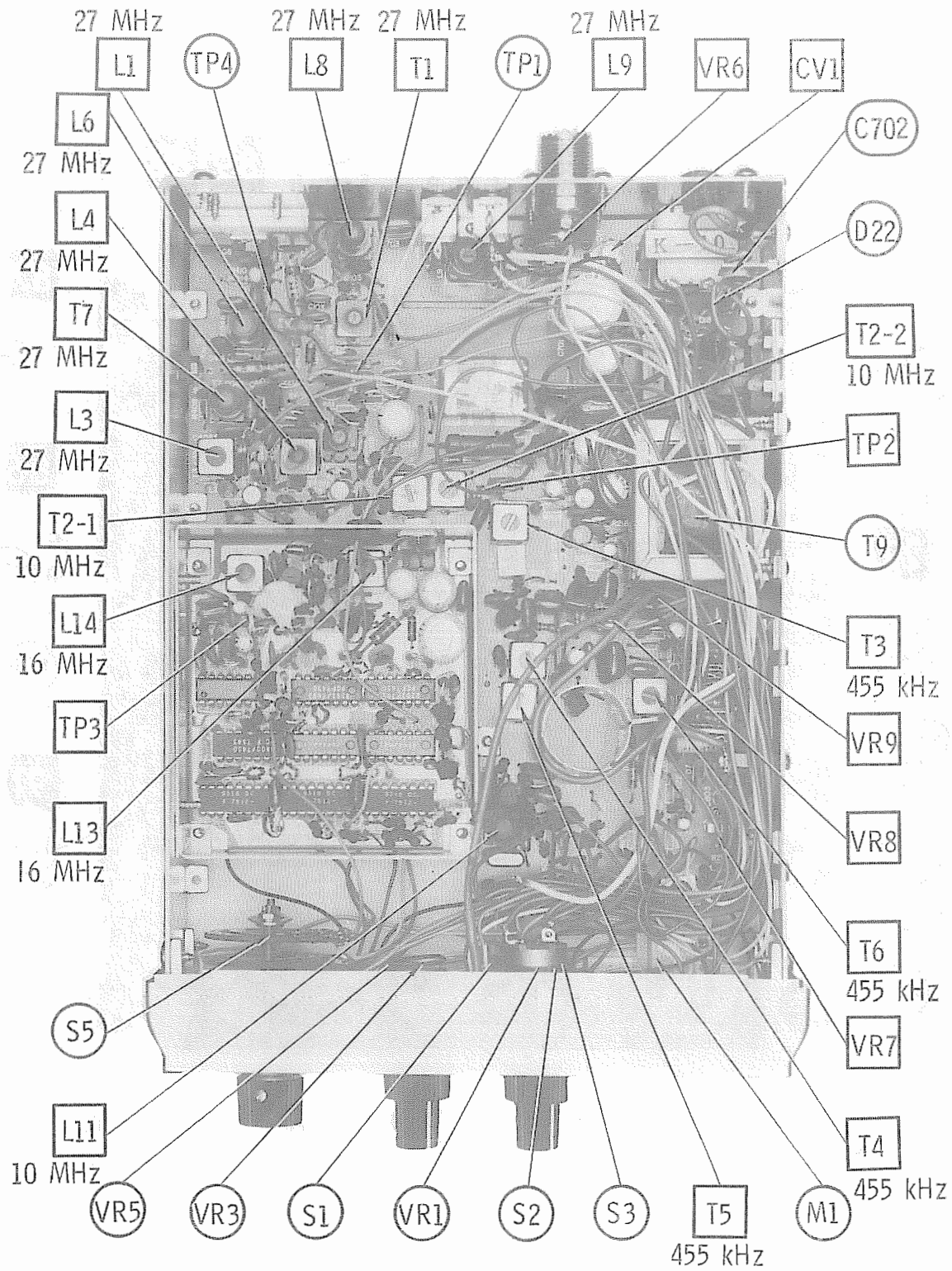
Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

INDICATOR	ADJUST	REMARKS
OSCILLATOR BUFFER, MIXER, BUFFER, DRIVER, FINAL RF Wattmeter	L13,L3,L4, T7,L6,L8	Channel selector to CH.13. Key transmitter. Adjust for maximum.
OUTPUT POWER RF Wattmeter	L9	Key transmitter. Adjust for 4 watts output.
TVI TRAP TV (Ch. 2)	CV1	Key transmitter. Adjust for MINIMUM interference on TV.
VCO TEST Frequency Counter	L14	Clamp TP3 with a variable battery supply at approximately 2.1V. Check frequency at collector of Q23. Should be approximately 16.5MHz. NOTE: Some counters may respond to <u>twice</u> this frequency. Adjust L14 to obtain approximately 16.5MHz.
OUTPUT FREQUENCY Frequency Counter	L11	Channel selector to CH.13. Adjust for 27.1150MHz $\pm$ 500Hz.

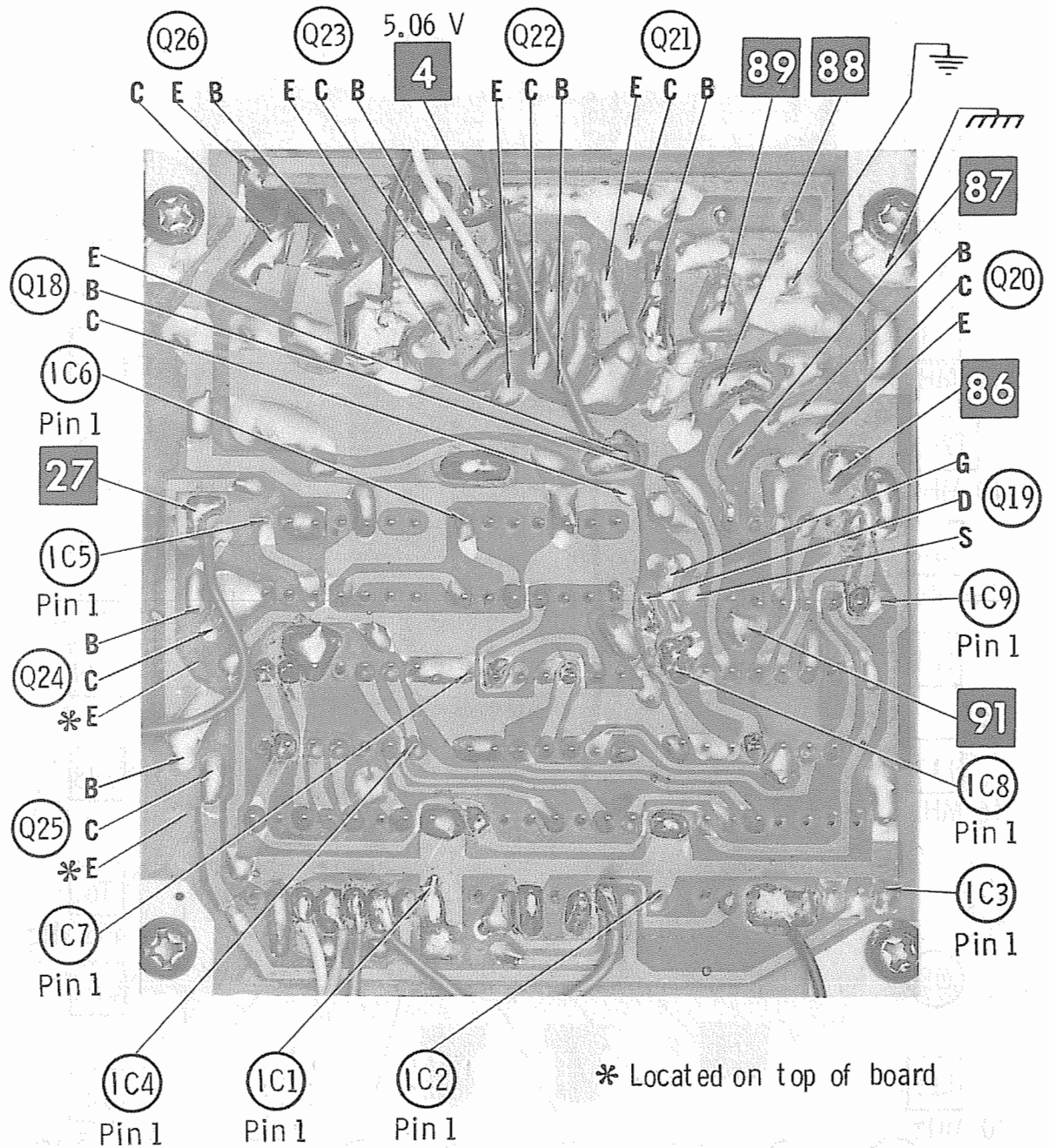
TRANSMITTER ADJUSTMENTS

Connect an RF Wattmeter or 50-ohm, 25-watt dummy load to antenna connector.
Adjustments made with 14-volt DC input.

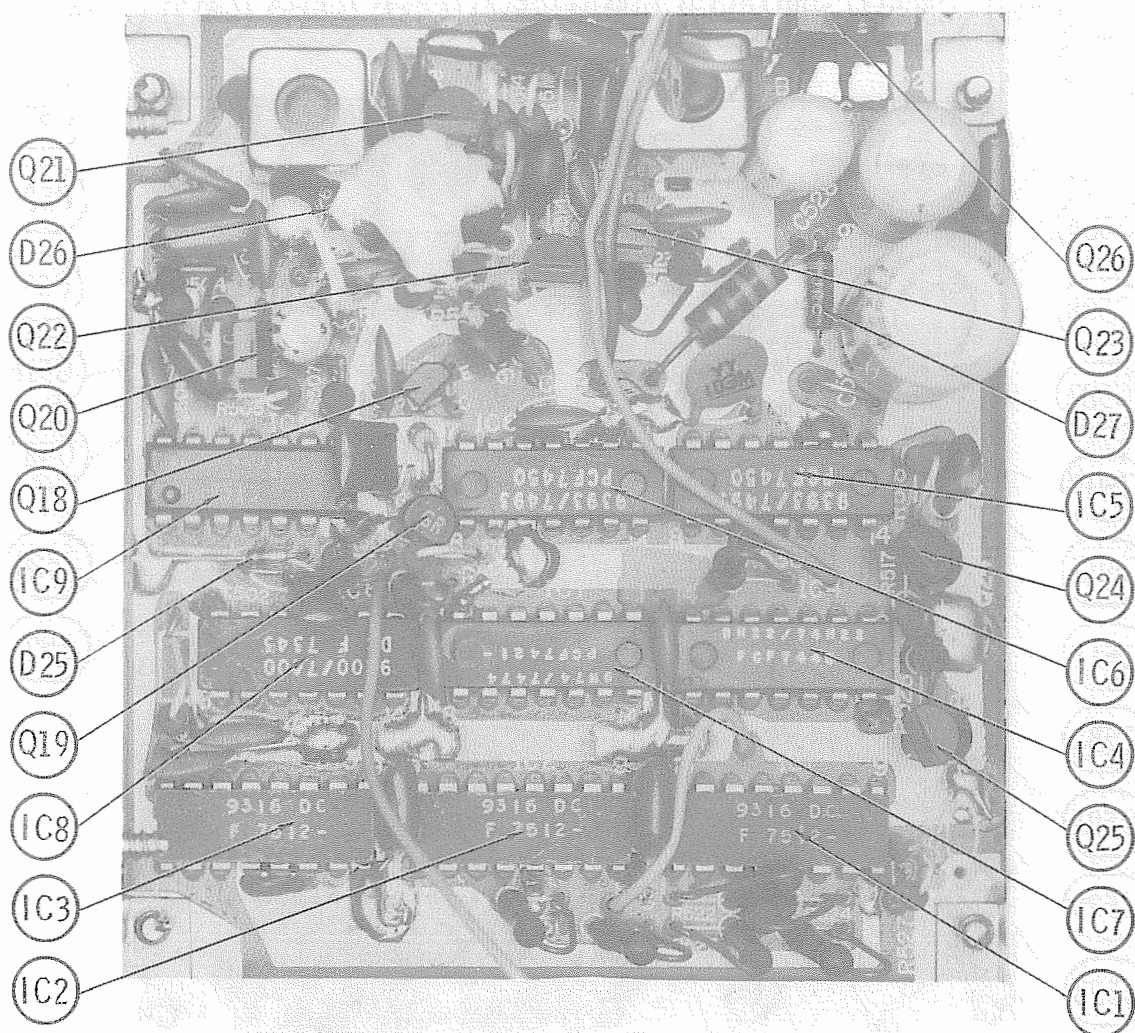
INDICATOR	ADJUST	REMARKS
AMC Oscilloscope connected to antenna jack.	L6,VR9	Inject 1000Hz audio oscillator signal to mic jack. Increase audio output to produce slight distortion of positive modulation peaks. Adjust L6 for 90% negative modulation peaks. Set audio output for 50% modulation. Increase output by 16dB. Adjust VR9 for 100% negative modulation.
RF PANEL METER RF Wattmeter	VR6	Key transmitter. Adjust so that panel RF meter agrees with RF wattmeter.



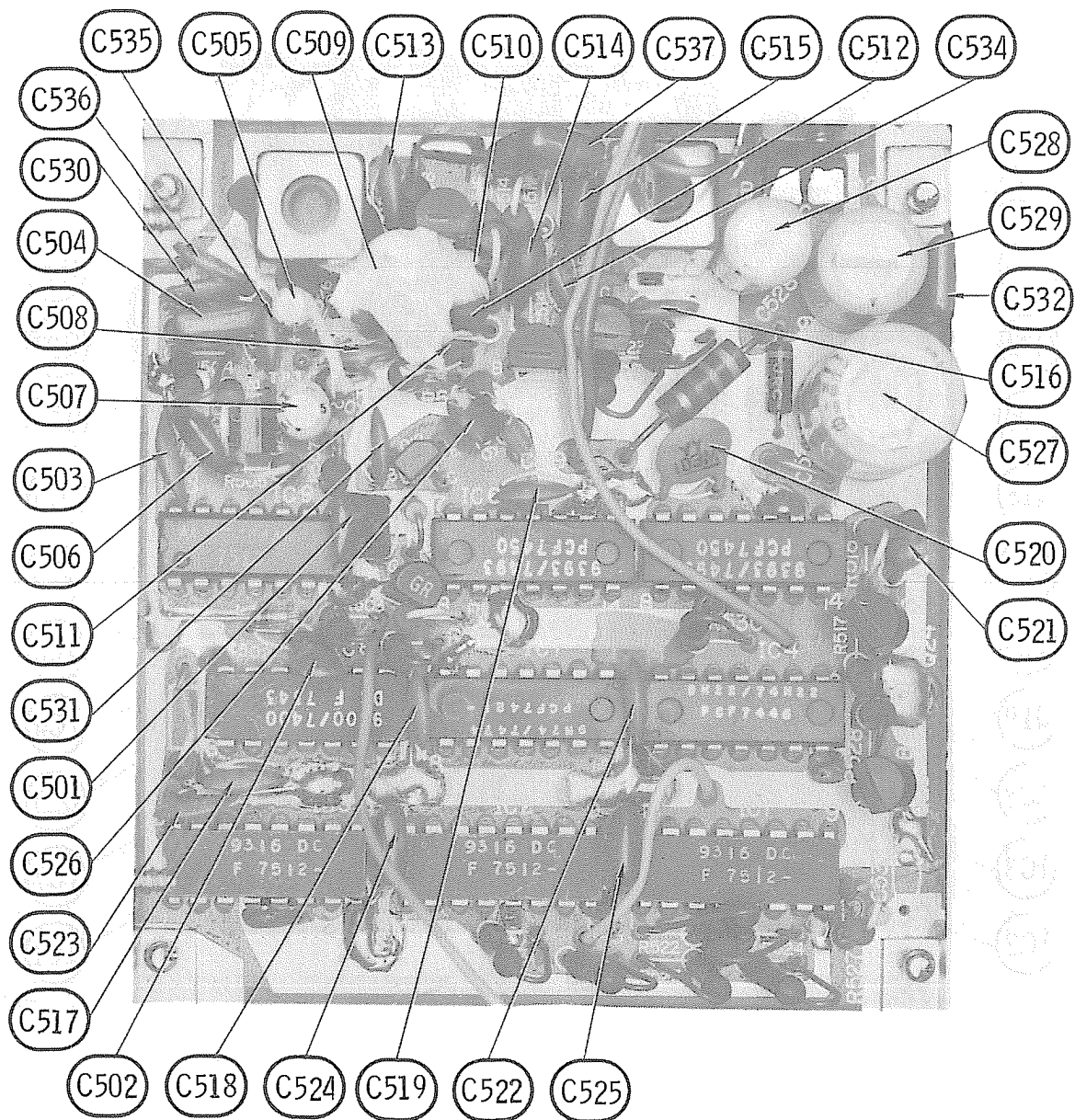
CHASSIS BOTTOM



DIGITAL SYNTHESIZER BOARD

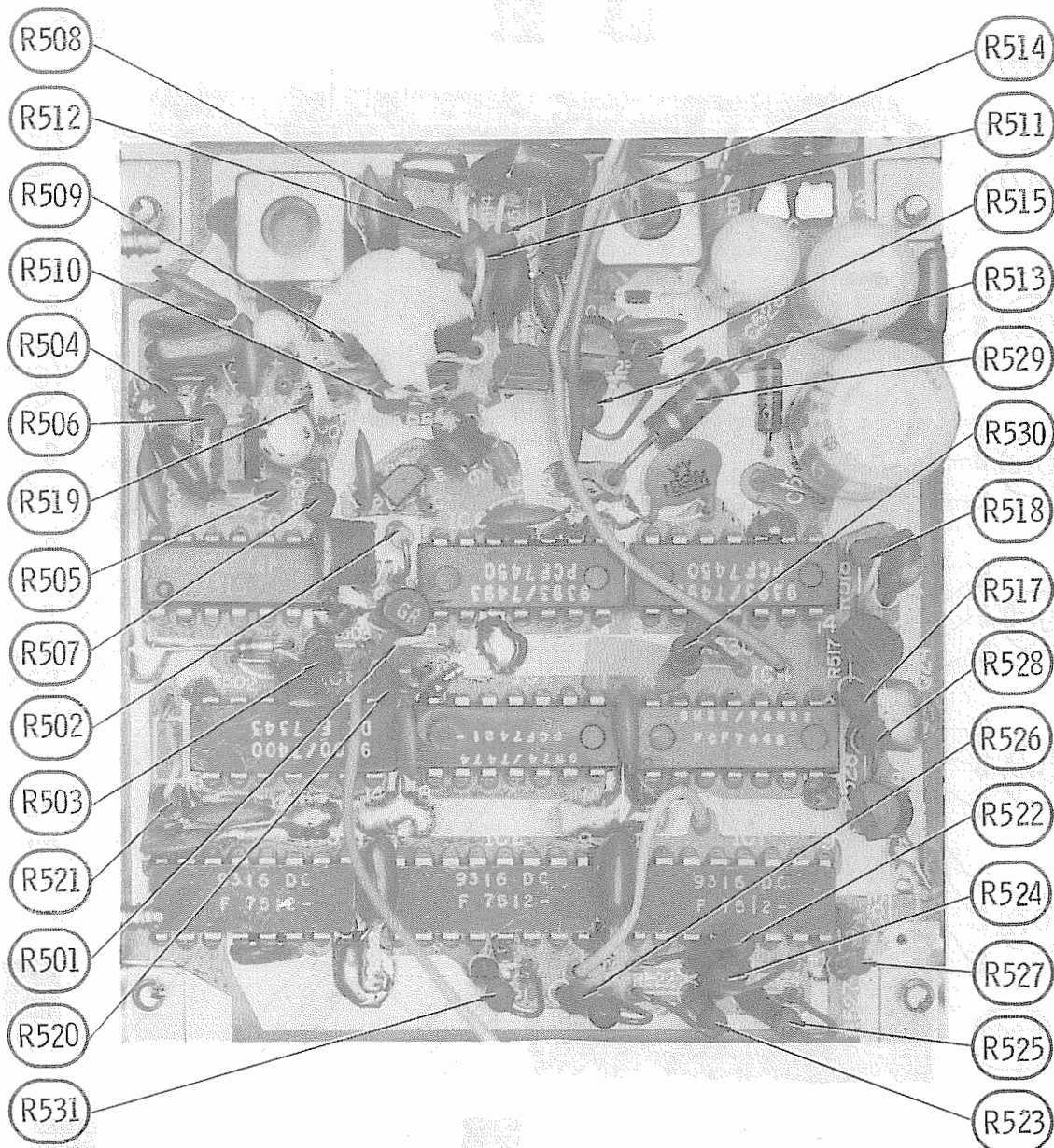


DIGITAL SYNTHESIZER BOARD

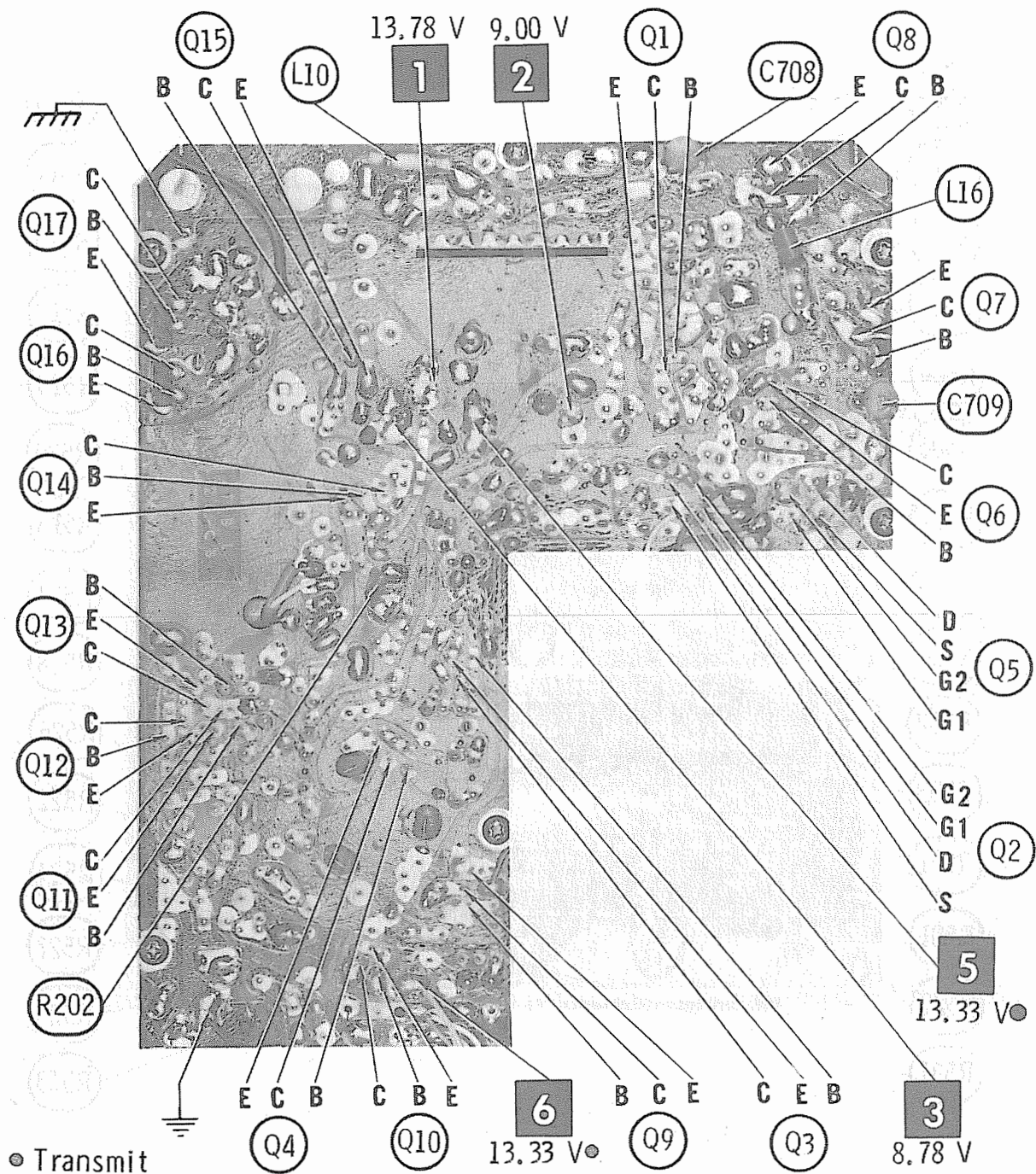


DIGITAL SYNTHESIZER BOARD

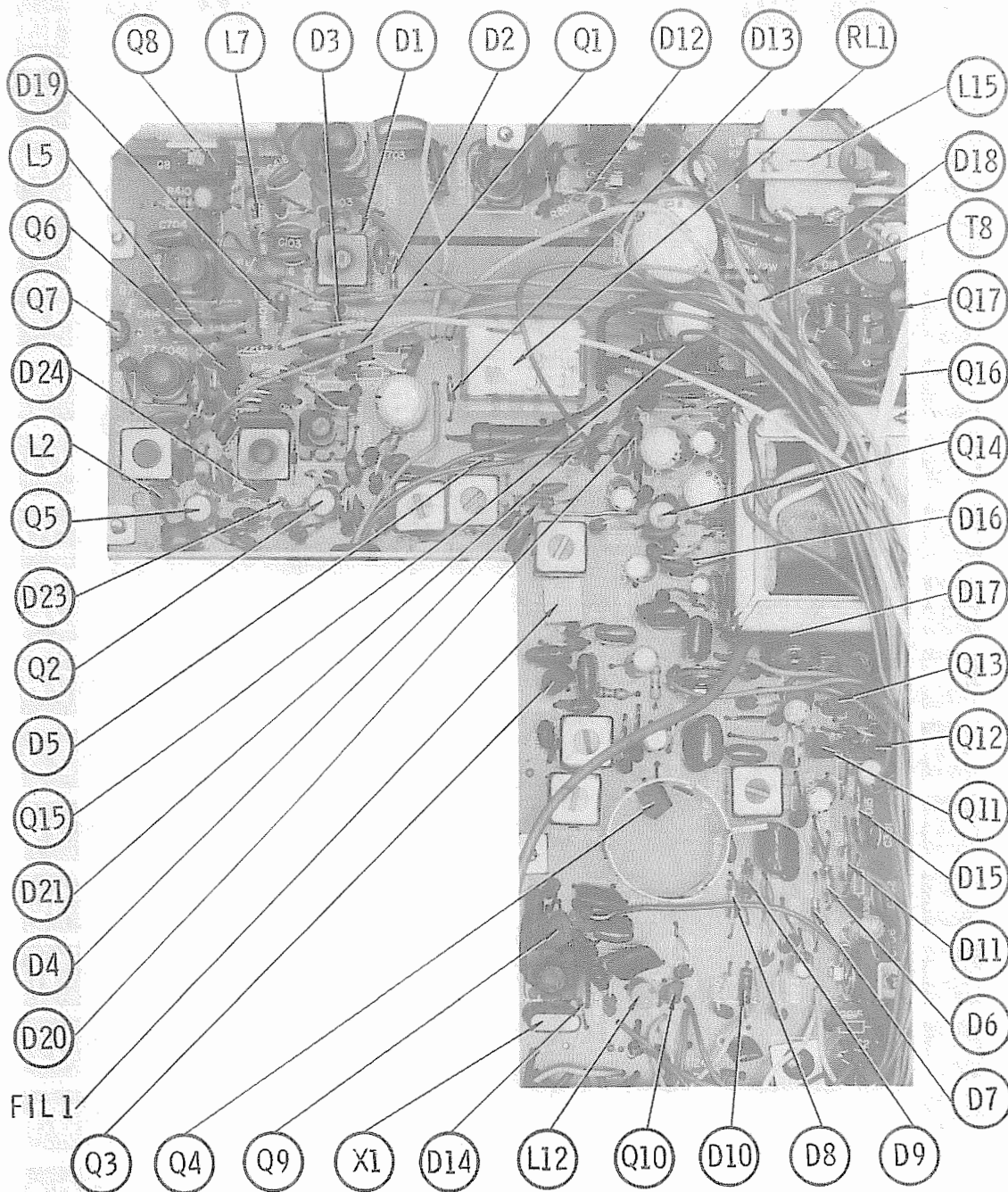
SEE MODEL SBE-26CB



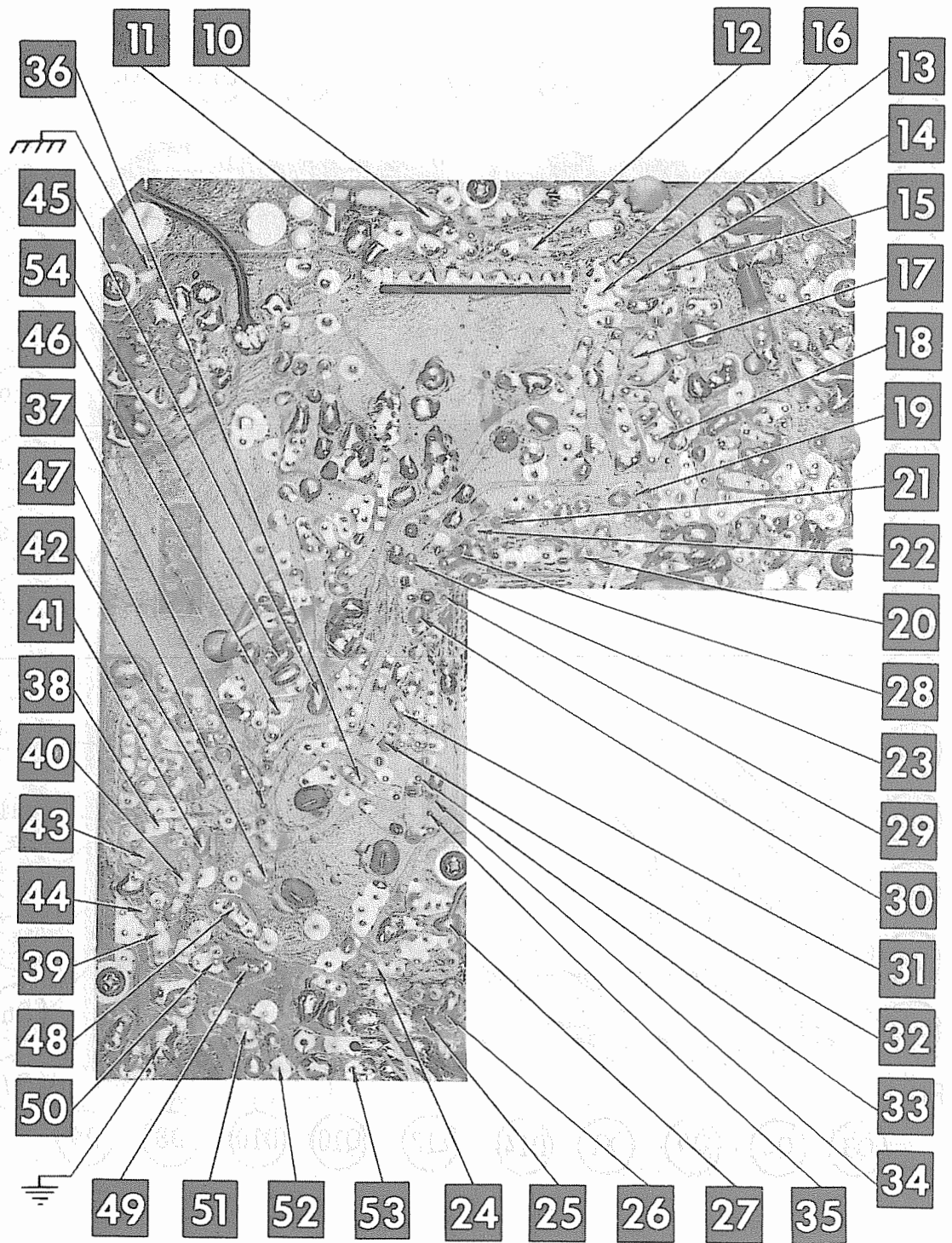
DIGITAL SYNTHESIZER BOARD



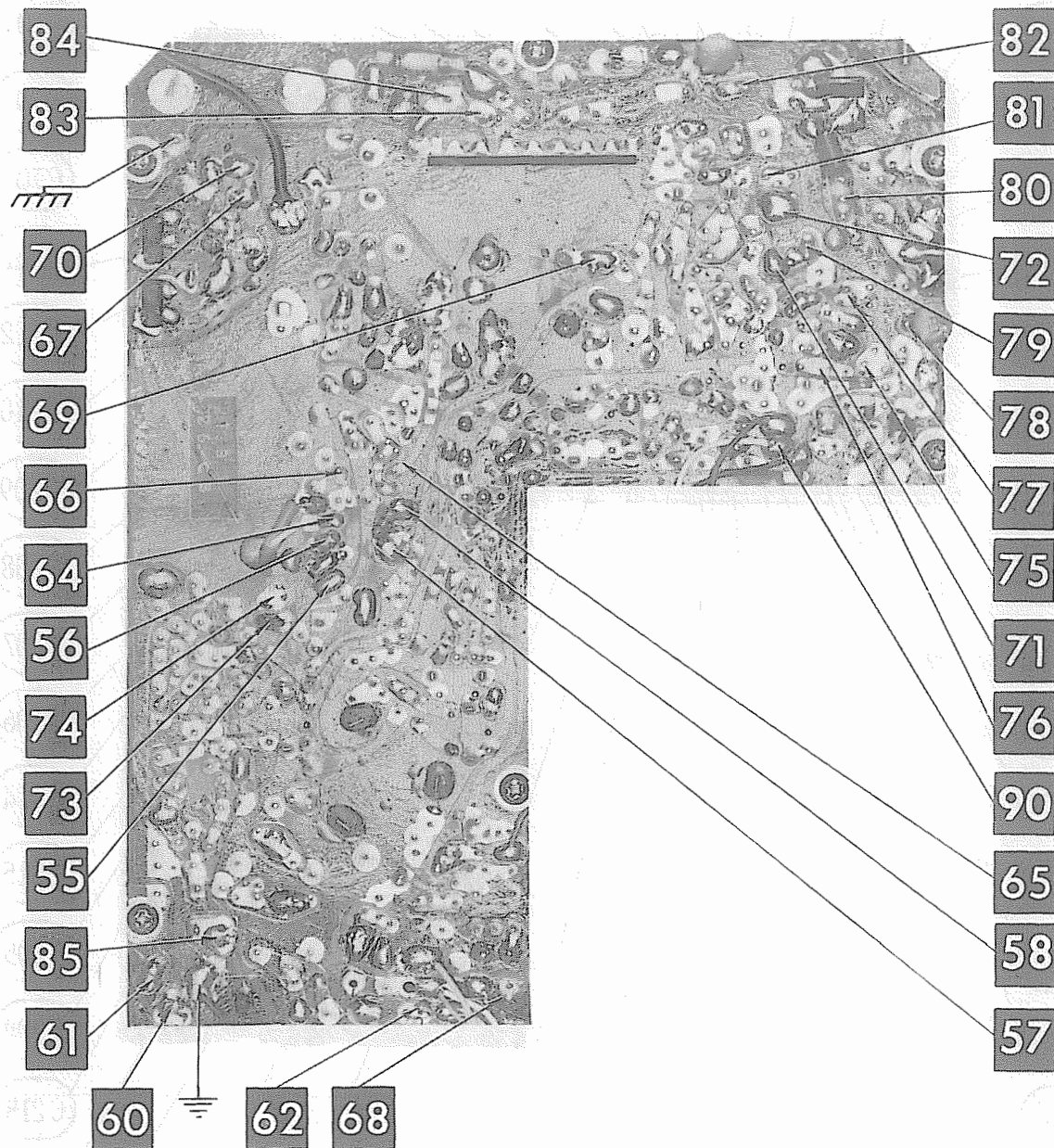
MAIN BOARD



MAIN BOARD

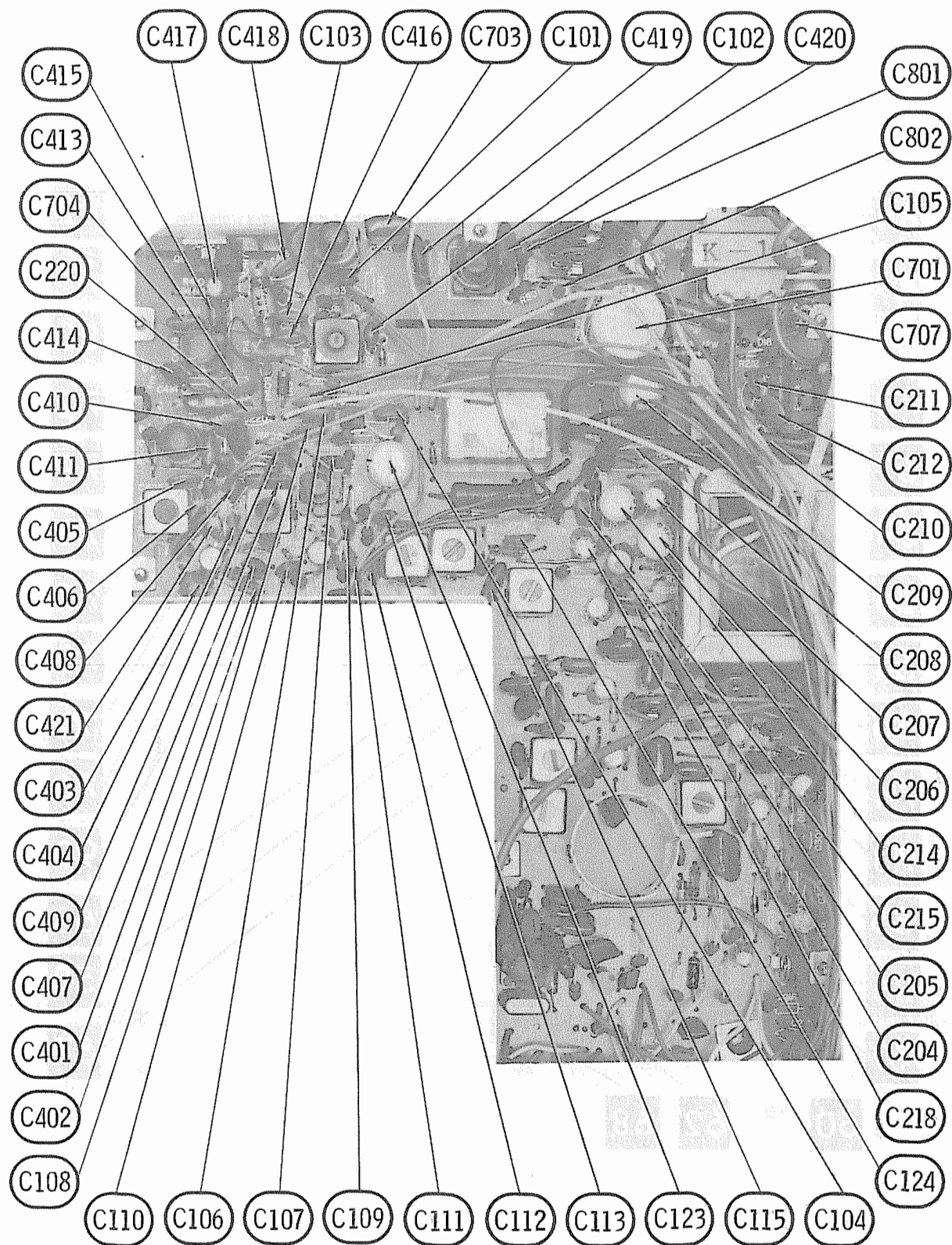


MAIN BOARD

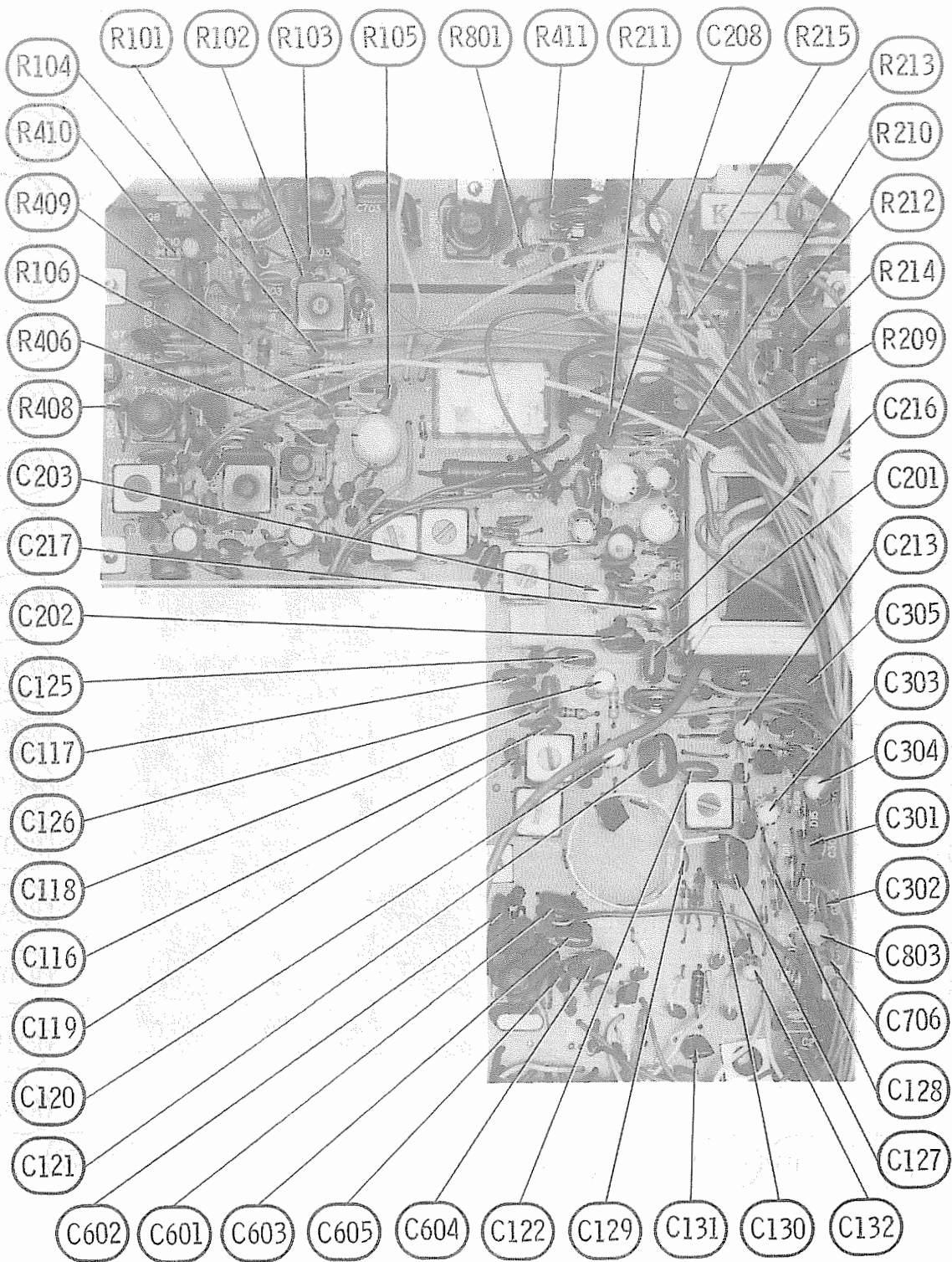


SBE MODEL SBE-26CB

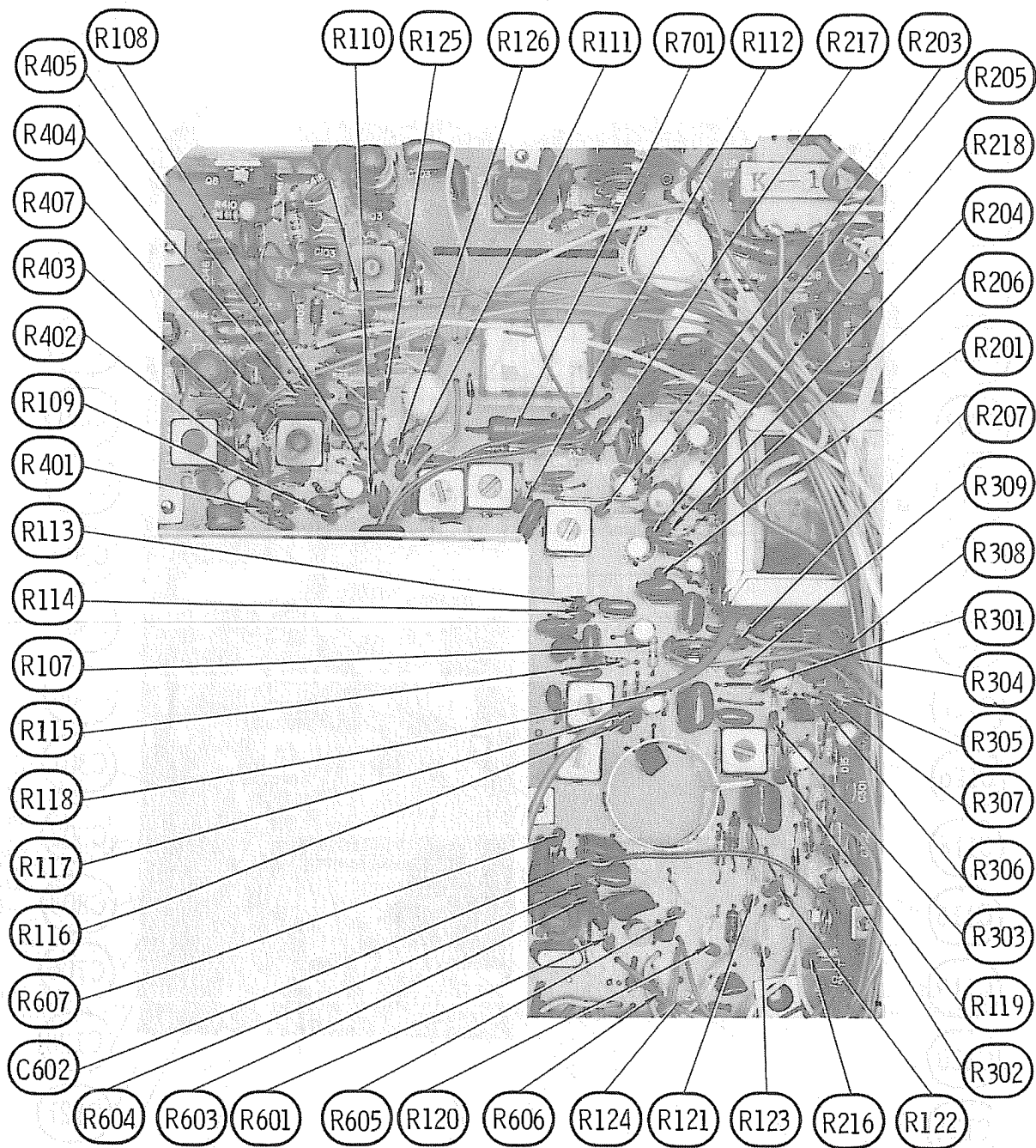
MAIN BOARD



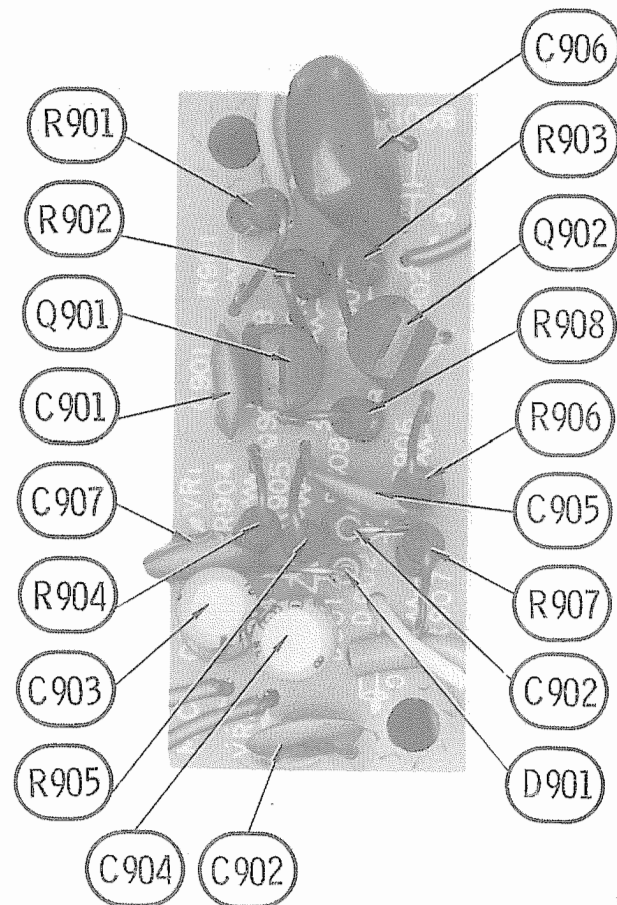
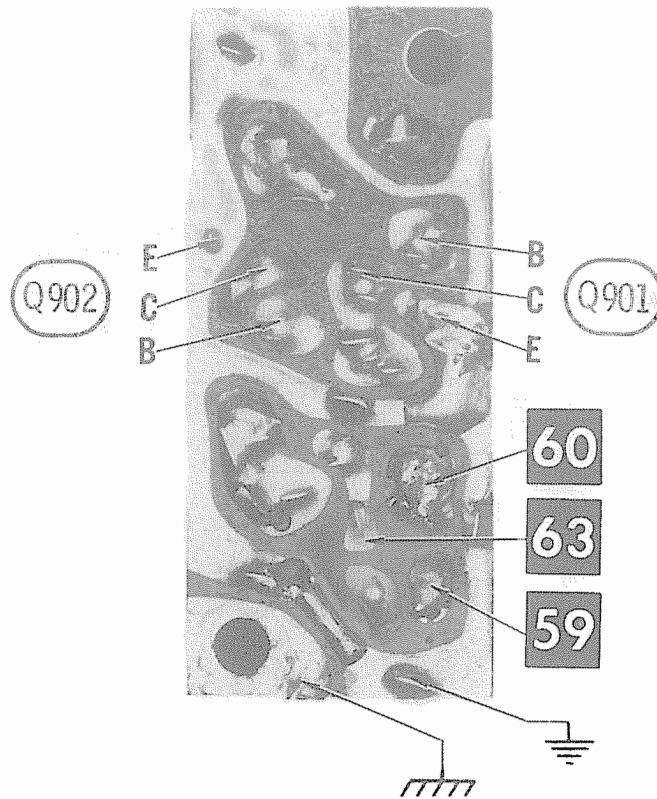
MAIN BOARD



MAIN BOARD

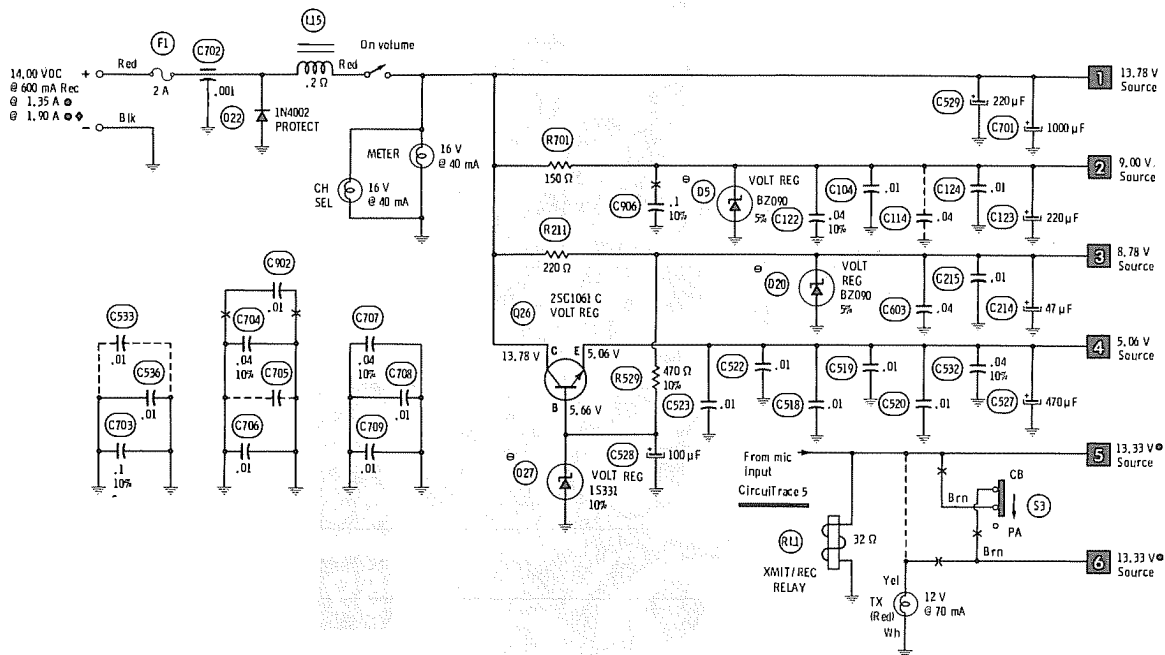


MAIN BOARD

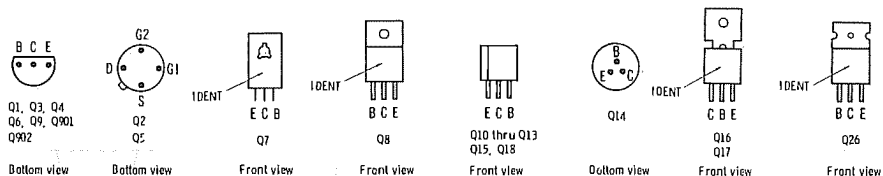


MIC AMP BOARD

SBE MODEL SBE-26CB



Terminal Guides



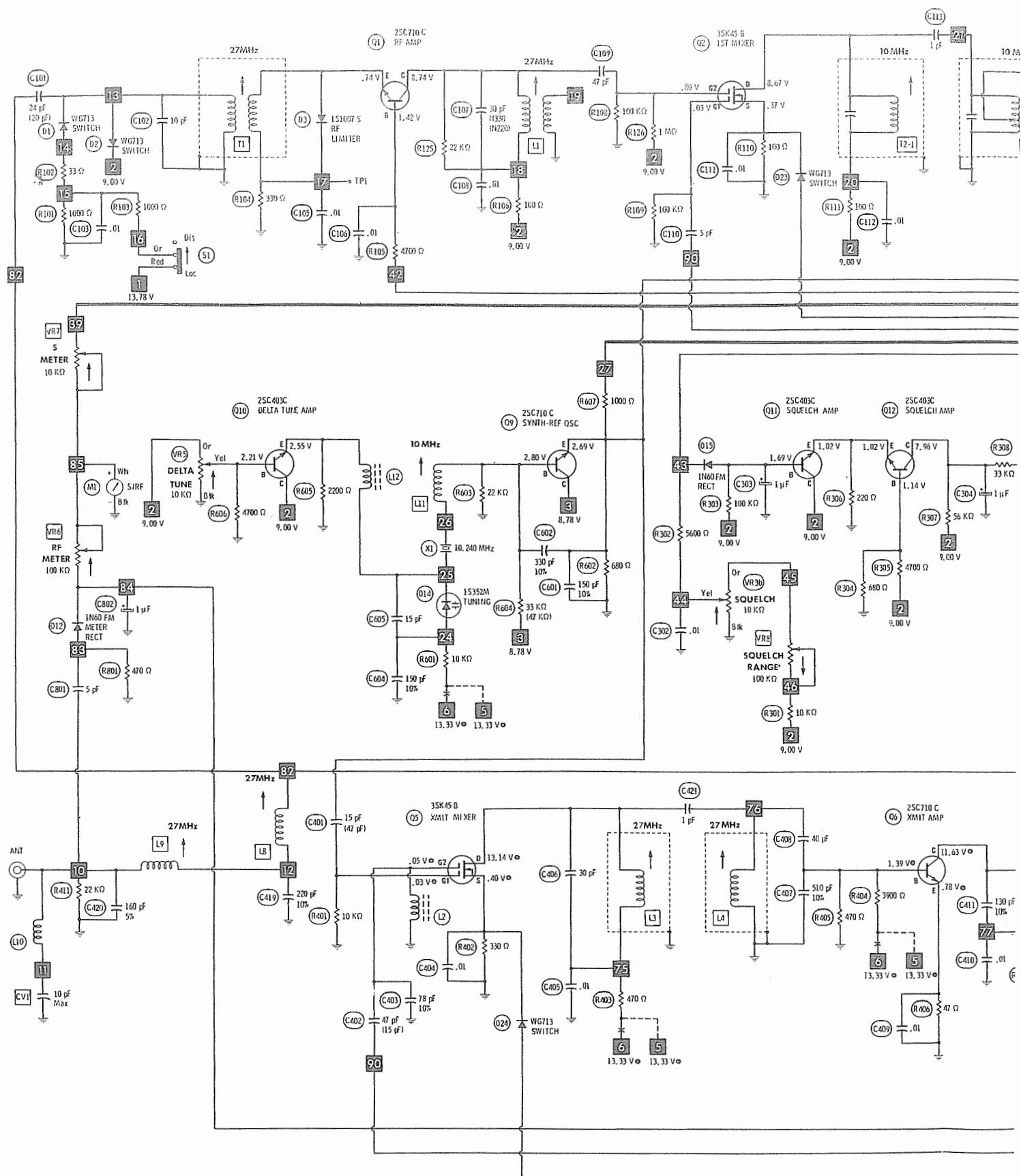
- Circuitry not used in some versions
- Circuitry used in some versions
- ⊙ See parts list
- * Nominal value
- ⊕ Ground
- ⌞ Chassis
- ▽ Common tie point

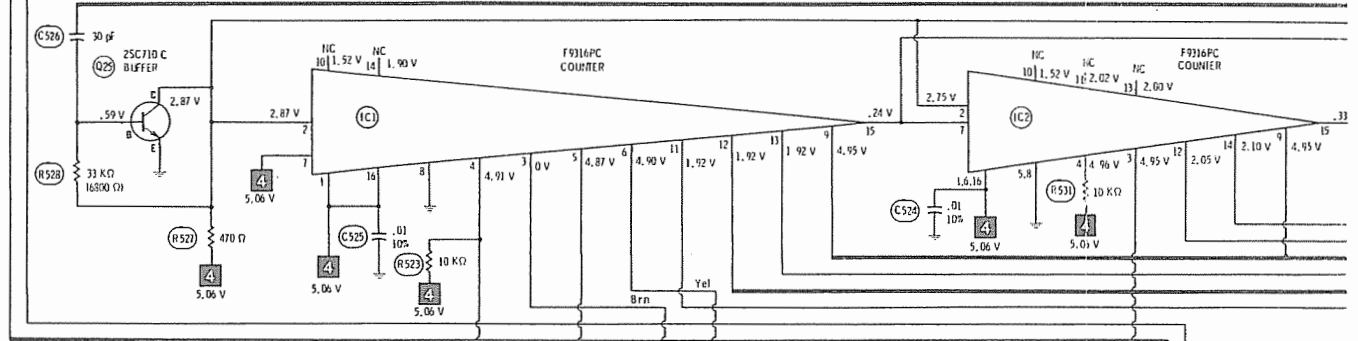
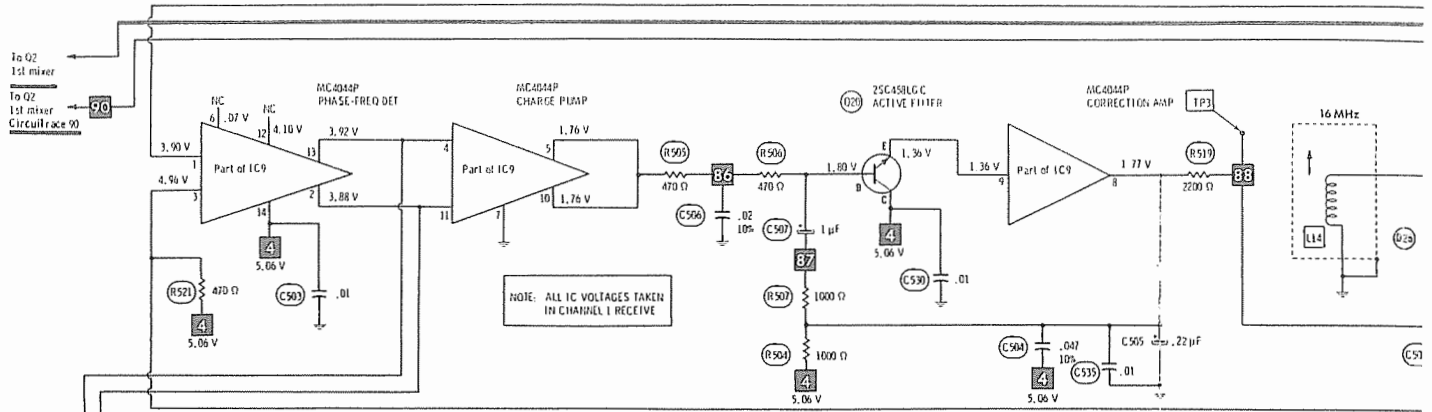
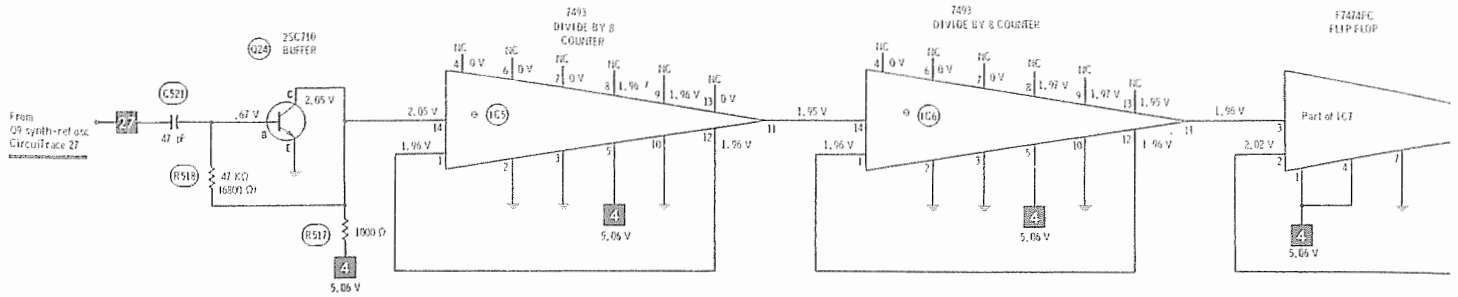
Measurements with switching as shown unless noted:
 ■ Squelch fully clockwise ♦ 100% modulation
 ● Transmit

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 PHOTOFAC STANDARD NOTATION SCHEMATIC
 WITH CIRCUITRACE®

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— Circuitry not used in some versions

--- Circuitry used in some versions

○ See parts list

✱ Nominal value

⊥ Ground

⌋ Chassis

▽ Common tie point

Measurements with switching as shown unless noted:

■ Squelch fully clockwise ♦ 100% modulation

● Transmit

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.

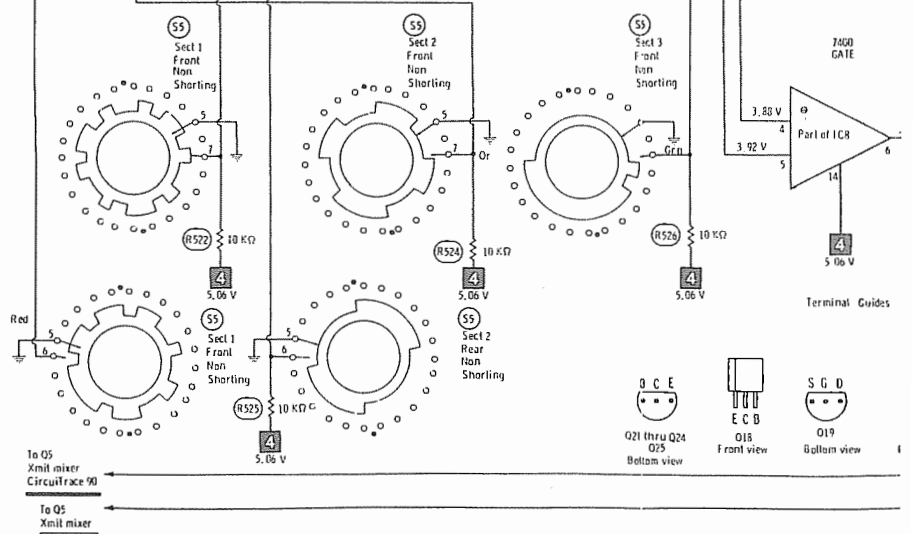
Resistors are 1/2W or less, 5% unless noted.

Value in () used in some versions.

A PHOTOFAC STANDARD NOTATION SCHEMATIC

WITH **CIRCUITACE**

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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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFG. 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.	WORKMAN PART No.
01	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
02	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
03	1S1007S	*-00011-046	1N34AS	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109	1N34A
04	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
05	8Z090	*-00011-043 (9.0 Volts 5% Zener)	GEZ0-9.1	ZB9.1B				RT-240	ECG139	
06	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
07	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
08	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
09	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
010	1S84	*-00004-064	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
011	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
012	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
013	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
014	1S352M	*-00004-248	GE-90	PTC214	HEPR2503	RE 195	SK3126	RT-262	ECG109	D201
015	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
016	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
017	1N34A	*-00004-060	1N34AS	PTC207	HEPR9134	RE 47	SK3087	RT-200	ECG109	1N34A
018	1S1211	*-00011-045								
019	1N4002	*-00030-010	GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116	804
020	8Z090	*-00011-043 (9.0 Volts 5% Zener)	GEZ0-9.1	ZB9.1B				RT-240	ECG139	
D21	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
D22	1N4002	*-00030-010	GE-504A	PTC201	HEPR0052	RE 49	SK3030	RT-213	ECG116	804
D23	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
D24	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
D25	WG713	*-00038-008	GE-300	PTC214	HEPR0602	RE 52	SK3100	RT-218	ECG177	D200
D26	MW201	*-00038-010	GE-90	PTC214	HEPR2503	RE 195	SK3126	RT-262	ECG109	D201
D27	1S331	*-00004-239 (6.0 Volts 10% Zener)	GEZ0-6.2	PTC503	HEPZ0408	RE 108	SK3058	RT-237	ECG5070	
0901	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
0902	1N60FM	*-00038-009	1N60	PTC206	HEPR9135	RE 47	SK3088	RT-263	ECG109	1N60
IC1	F9316PC	*-00038-003							ECG74161	
IC2	F9316PC	*-00038-003							ECG74161	
IC3	F9316PC	*-00038-003							ECG74161	
IC4	74H22/ 9H22	*-00038-005							ECG74H22	
IC5	7493/ 9393	*-00038-006							ECG7493	
IC6	7493/ 9393	*-00038-006							ECG7493	
IC7	F7474PC	*-00038-007							ECG7474	
IC8	7400/9N00	*-00038-004							ECG7400	
IC9	MC4044P	*-00038-002			HEPC3806P				ECG94044	
Q1	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q2	3SK458	*-00011-053	GE-FET-4	PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222	
Q3	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q4	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q5	3SK458	*-00011-053	GE-FET-4	PTC181	HEPF2004	RE 199	SK3050	RT-181	ECG222	
Q6	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q7	2SC495T	*-00004-089 (10)							ECG295	
Q8	2SC1306	*-00038-001 (11)	GE-215	PTC186		RE 203			ECG235	
Q9	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q10	2SC403C	*-00030-007	GE-62	PTC121	HEPS0015	RE 13	SK3124	RT-107A	ECG123A	TR-24
Q11	2SC403C	*-00030-007	GE-62	PTC121	HEPS0015	RE 13	SK3124	RT-107A	ECG123A	TR-24
Q12	2SC403C	*-00030-007	GE-62	PTC121	HEPS0015	RE 13	SK3124	RT-107A	ECG123A	TR-24
Q13	2SC403C	*-00030-007	GE-62	PTC121	HEPS0015	RE 13	SK3124	RT-107A	ECG123A	TR-24
Q14	2SD187R,Y	*-00030-009	GE-59	PTC134	HEPG0011	RE 6	SK3010	RT-119	ECG103A	TR-08
Q15	2SC403C	*-00030-007	GE-62	PTC121	HEPS0015	RE 13	SK3124	RT-107A	ECG123A	TR-24
Q16	2SC1014C1	*-00004-087 (12)							ECG300	
Q17	2SC1014C1	*-00004-087 (12)							ECG300	
Q18	2SC403C	*-00030-007	GE-62	PTC121	HEPS0015	RE 13	SK3124	RT-107A	ECG123A	TR-24
Q19	2SK30AGR	*-00010-017	GE-FET-1	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133	FE-100
	2SK30GR	*-00010-017	GE-FET-1	PTC151	HEPF0010	RE 46	SK3112	RT-176	ECG133	FE-100
Q20	2SC458LGC	*-00011-049	GE-20	PTC136	HEPS0014	RE 13	SK3124	RT-187	ECG123A	TR-51
Q21	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q22	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q23	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q24	2SC710C	*-00011-047	GE-20	PTC121	HEPS0016	RE 13	SK3018	RT-105	ECG123A	TR-24

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 No.	MFR. 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.	WORKMAN PART No.
Q25	2SC710C	*-00011-047	GE-20	PTC121	HEP50016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q26	2SC1061C	*-00011-050 (13)	GE-66	PTC137	HEP50016	RE 21	SK3054	RT-197	ECG152	TR-76
Q901	2SC710C	*-00011-047	GE-20	PTC121	HEP50016	RE 13	SK3018	RT-105	ECG123A	TR-24
Q902	2SC710C	*-00011-047	GE-20	PTC121	HEP50016	RE 13	SK3018	RT-105	ECG123A	TR-24

- * Indicates 8000-
 (1) Used in some versions.
 (10) Rating, 5.0 watts @ 300 mA.
 (11) Rating, 12 watts @ 3.0 amps.
 (12) Rating, 7.0 watts @ 1.5 amps.
 (13) Rating 25 watts @ 3.0 amps.

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA			
		MFR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C120	4.7 25V	8000-00039-015	PC5-50	VTT4R7A50	EV-1319
C123	220 16V	8000-00004-044	PC250-25	VTT220G16	EV-1240
C126	4.7 25V	8000-00038-015	PC5-50	VTT4R7A50	EV-1319
C132	.22 25V	8000-00004-045		TDC224M050EL	SD50-R229
C203	4.7 25V	8000-00038-015	PC5-50	VTT4R7A50	EV-1319
C206	47 16V	8000-00004-009	PC50-16	VTT47D16	EV-1226
C207	1 50V	8000-00024-087	PC1-50	MTV1CB50	EV-1615
C209	220 16V	8000-00004-044	PC250-25	VTT220G16	EV-1240
C213	1 50V	8000-00024-087	PC1-50	MTV1CB50	EV-1615
C214	47 16V	8000-00004-009	PC50-16	VTT47D16	EV-1226
C217	.22 25V	8000-00004-045		TDC224M050EL	SD50-R229
C218	10 16V	8000-00004-047	PC10-25	VTT10A25	EV-1222
C303	1 50V	8000-00024-087	PC1-50	MTV1CB50	EV-1615
C304	1 50V	8000-00024-087	PC1-50	MTV1CB50	EV-1615
C305	10 16V	8000-00004-047	PC10-25	VTT10A25	EV-1222
C505	.22 25V	8000-00004-045		TDC224M050EL	SD50-R229
C507	1 50V	8000-00004-042	PC1-50	MTV1CB50	EV-1615
C527	470 16V	8000-00032-003	PC500-16	VTT470J16	EV-1250
C528	100 16V	8000-00004-046	PC100-16	VTT100F16	EV-1230
C529	220 16V	8000-00004-044	PC250-25	VTT220G16	EV-1240
C701	1000 16V	8000-00004-049	PC1000-16	VTT1000L16	EV-1260
C802	1 50V	8000-00024-087	PC1-50	MTV1CB50	EV-1615
C803	1 50V	8000-00024-087	PC1-50	MTV1CB50	EV-1615
C903	2.2 25V	8000-00004-045		TDC224M050EL	SD50-R229
C904	2.2 25V	8000-00004-045		TDC224M050EL	SD50-R229

SBE MODEL SBE-26CB

CAPACITORS

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C101	24			C06E0240J03	SX424	MS-424
C102	10			C06C0100003		
C103	.01		DC-103	GP10000	MAG5011	2SS-S10
C104	.01		DC-103	GP10000	MAG5011	2SS-S10
C105	.01		DC-103	GP10000	MAG5011	2SS-S10
C106	.01		DC-103	GP10000	MAG5011	2SS-S10
C107	30 N330				*	10TCS-030
C108	.01		OC-103	GP10000	MAG5011	2SS-S10
C109	47			C06ED470J03	SX447	424MC47R0J501
C110	5			C06C0050003		
C111	.01		DC-103	GP10000	MAG5011	2SS-S10
C112	.01		DC-103	GP10000	MAG5011	2SS-S10
C113	1				CN0510	10TCC-V10
C115	150 10%			C07FD151J03	SX315	424MC1500J501
C116	1				CN0510	10TCC-V10
C117	.04 10%			DPMS6S39	PVC6139	6PS-S39
C118	.04 10%			DPMS6S39	PVC6139	6PS-S39
C119	5			C06C0050003		
C121	.1 10%			DPMS2P1	EWFA1010	1PB-P10
C122	.04 10%			DPMS6S39	PVC6139	6PS-S39
C124	.01			DPMS4S1	EWFA1A110	1PB-S10
C125	.04 10%			DPMS6S39	PVC6139	6PS-S39
C127	.1 10%			DPMS2P1	EWFA1010	1PB-P10
C128	.001		DD-102		GP210	10TS-D10
C129	.001		DD-102		GP210	10TS-D10
C130	.001		DD-102		GP210	10TS-D10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA			
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C131	.02 10%			DPMS2S2	PVC212	2PS-S20
C201	.047 10%			DPMS2S47	EWFA1A147	1PB-S47
C202	.047 10%			DPMS2S47	EWFA1A147	1PB-S47
C204	.001		DD-102	GP1000	GP210	2SS-D10
C205	.01		DC-103	GP10000	MAG5011	2SS-S10
C208	.1 10% 50V			DPMS2P1	EWFA1A010	1PB-P10
C210	.005			DPMS2S5	EWFA1A150	2PS-S50
C211	.005			DPMS2S5	EWFA1A150	2PS-S50
C212	.01		DC-103	GP10000	MAG5011	2SS-S10
C215	.01		QC-103	GP10000	MAG5011	2SS-S10
C216	.01		DC-103	GP10000	MAG5011	2SS-S10
C219	.001		DD-102		GP210	10TS-D10
C220	.01		DC-103	GP10000	MAG5011	2SS-S10
C301	.001		DD-102		GP210	10TS-D10
C302	.01		DC-103	GP10000	MAG5011	2SS-S10
C401	15			C06C0150J03		
C402	47			CD6ED470J03	SX447	424MC47R0J501
C403	78 10%			CD6ED750J03	SX475	424MC75R0J501
C404	.01		DC-103	GP10000	MAG5011	2SS-S10
C405	.01		DC-103	GP10000	MAG5011	2SS-S10
C406	30			CD6ED300J03	SX430	
C407	510 10%			CD15FD511J03	SX351	424ME5100J501
C408	40			CD6ED390J03	SX439	
C409	.01		DC-103	GP10000	MAG5011	2SS-S10
C410	.01		DC-103	GP10000	MAG5011	2SS-S10
C411	130 10%			CD7FD131J03	SX313	424MC1300J501
C413	.01		DC-103	GP10000	MAG5011	2SS-S10
C414	24			CD6ED240J03	SX424	MS-424
C415	100 10%			CD10FD101J03	SX310	424MC1000J501
C416	.01		DC-103	GP10000	MAG5011	2SS-S10
C417	47			CD6ED470J03	SX447	424MC47R0J501
C418	.01					10TS-S10
C419	220 10%			CD10FD221J03	SX322	424ME2200J501
C420	160 5%			CD7FD161J03	SX316	424MC1600J501
C421	1				CN0510	10TCC-V10
C501	.02 10%			DPMS2S2	PVC212	2PS-S20
C502	.001			DPMS6D1	EWFA1A210	1PB-D10
C503	.01		DC-103	GP10000	MAG5011	2SS-S10
C504	.047 10%			DPMS2S47	EWFA1A147	1PB-S47
C506	.02 10%			DPMS2S2	PVC212	2PS-S20
C508	.01		DC-103	GP10000	MAG5011	2SS-S10
C509	20 N750		DTH-20	N20	CN7420	10TCU-Q20
C510	100 10%			CD10FD101J03	SX310	424MC1000J501
C511	47 N470 10%				*	10TCT-Q47
C512	5			CD6CD050D03		
C513	.01		DC-103	GP10000	MAG5011	2SS-S10
C514	5			CD6CD050D03		
C515	100 10%			CD10FD101J03	SX310	424MC1000J501
C516	.01		DC-103	GP10000	MAG5011	2SS-S10
C517	.01		DC-103	GP10000	MAG5011	2SS-S10
C518	.01		DC-103	GP10000	MAG5011	2SS-S10
C519	.01		DC-103	GP10000	MAG5011	2SS-S10
C520	.01		DC-103	GP10000	MAG5011	2SS-S10
C521	47			CD6ED470J03	SX447	424MC47R0J501
C522	.01		DC-103	GP10000	MAG5011	2SS-S10
C523	.01		DC-103	GP10000	MAG5011	2SS-S10
C524	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C525	.01 10%			DPMS4S1	EWFA1A110	1PB-S10
C526	30			CD6ED300J03	SX430	
C530	.01		DC-103	GP10000	MAG5011	2SS-S10
C531	.01		DC-103	GP10000	MAG5011	2SS-S10
C532	.04 10%			DPMS6S39	PVC6139	6PS-S39
C533	.01		DC-103	GP10000	MAG5011	2SS-S10
C534	.01		DC-103	GP10000	MAG5011	2SS-S10
C535	.01		DC-103	GP10000	MAG5011	2SS-S10
C536	.01		DC-103	GP10000	MAG5011	2SS-S10
C537	.04 10%			DPMS6S39	PVC6139	6PS-S39
C601	150 10%			CD7FD151J03	SX315	424MC1500J501
C602	330 10%			CD15FD331J03	SX333	424ME3300J501
C603	.04			DPMS6S39	PVC6139	6PS-S39
C604	150 10%			CD7FD151J03	SX315	424MC1500J501
C605	15			CD6CD150J03		
C702	.001	8000-00D030-023				
C703	.1 10%			DPMS6D1	EWFA1A210	1PB-D10
C704	.04 10%			DPMS2S47	EWFA1A147	1PB-S47
C706	.01		DC-103	GP10000	MAG5011	2SS-S10
C707	.04 10%			DPMS2S47	EWFA1A147	1PB-S47
C708	.01		DC-103	GP10000	MAG5011	2SS-S10
C709	.01 10%		DC-103	GP10000	MAG5011	2SS-S10
C801	5			CD6CD050D03		
C901	.01		DC-103	GP10000	MAG5011	2SS-S10
C902	.01		DC-103	GP10000	MAG5011	2SS-S10
C905	.01		DC-103	GP10000	MAG5011	2SS-S10
C906	.1 10%			DPMS2P1	EWFA1A010	1PB-P10
C907	.01		DC-103	GP10000	MAG5011	2SS-S10
CV1	10 (Max.)					

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA			
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No. TRW PART No.
VR1A	Mic Gain	10K	8000-00004-098			
B	Volume/Switch	10K				
VR3A	Tone	10K	8000-00004-256			
B	Squelch	10K				
VR5	Delta Tune	10K	8000-00030-002			
VR6	RF Meter	100K	8000-00004-094	T-100K (2)	C-104 (2)	MTC15L1 (2) X201R104B (2)
VR7	S Meter	10K	8000-00004-097	T-10K (2)	C-103 (2)	MTC14L1 (2) X201R103B (2)
VR8	Squelch Range	100K	8000-00004-094	T-100K (2)	C-104 (2)	MTC15L1 (2) X201R104B (2)
VR9	AML	1000	8000-00011-082	T-1000 (2)	C-102 (2)	MTC13L1 (2) X201R102B (2)

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

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Rec RF (27MHz)	8000-00038-016		74F336AP	
L2	RF Choke (3.3uH)	8000-00004-054			
L3	Xmit Mixer (27MHz)	8000-00038-017			
L4	Xmit Mixer (27MHz)	8000-00038-017	354		
L5	RF Choke	8000-00030-011			
L6	Xmit Driver (27MHz)	8000-00004-078			
L7	Final Tank (.65uH)	8000-00004-055			
L8	RF Choke	8000-00004-077			
L9	Pi Filter (27MHz)	8000-00004-077			
L10	TVI Trap (54MHz)	8000-00004-059			
L11	Synth. Osc (10MHz)	8000-00038-022			
L12	Delta Tune (150uH)	8000-00004-057		72F154AP	
L13	RF Amp (16MHz)	8000-00038-017			
L14	VCO (16MHz)	8000-00038-023			
L16	RF Choke	(1)			
T1	Rec Ant (27MHz)	8000-00038-018	C294		
T2-1	Rec Mixer (10MHz)	8000-00038-019			
T2-2	Rec Mixer (10MHz)	8000-00038-020	F001AS		
T3	IF (455kHz)	8000-00030-018	A088AD		
T4	IF (455kHz)	8000-00012-034			
T5	IF (455kHz)	8000-00012-034	1A227B		
T6	IF Output (455kHz)	8000-00038-021			
T7	Final Amp (27MHz)	8000-00030-016			

(1) Not used in some versions.

SBE MODEL SBE-26CB

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (O CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L15	1.90A	.2	2mH	8000-00030-012 K-10 (1)			(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	1.3	1		8000-00030-019 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	75	12	8000-00012-037 E-03 (1)			(1) Number on unit.

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.	
SP1	3 5/8" PM, 8 Ohms	8000-00038-36		

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	2A, Fast Acting	8000-00004-152	8000-00004-151	AGC2	HDJ	312002	150145	FG2-2

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL
X1	10.240	8000-00038-010	DC32W10.240	Synth-Ref. Osc.					

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
FIL1	Ceramic Filter	8000-00004-139	455kHz (LFB-6)
M1	Meter	8000-00030-029	S/Rf (A-36)
RL1	Relay	8000-00030-022	Xmit/Rec
S1	Switch	8000-00038-032	Loc-Ois
S2	Switch	8000-00038-032	NL
S3	Switch	8000-00038-032	PA/CB
S5	Switch	8000-00038-020	Channel Selector
	Printed Circuit Board		Main (TBC26-CB)
	Printed Circuit Board		VFO

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

ITEM	PART No.	ITEM	PART No.
Cabinet, Top	8000-00038-025	Knob, Tone/Mic Gain	8000-00038-037
Cabinet, Bottom	8000-00038-026	Knob, Vol/Squelch	8000-00011-119
Bezel, Front	8000-00038-027	Knob, Delta Tune	8000-00038-035
Panel, Front	8000-00038-033	Knob, Channel	8000-00030-028
		Mounting Bracket	8000-00038-028

ACCESSORIES

ITEM	MFGR. PART No.	REMARKS
Microphone	8000-00004-153	
OC Power Cord	8000-00030-031	