

SAMS PHOTOFACT CB RADIO SERIES

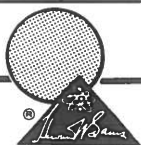


CB-41
41
AUGUST 1972



CONTENTS

MODEL NAME AND MODEL	PAGE	MODEL NAME AND MODEL	PAGE	MODEL NAME AND MODEL	PAGE
PERSON		LAFAYETTE		ONE	
7400A.....	7	Base Unit (1) 100-100A-1.....	17	100-100A (Expanded).....	103
		MELODIE		100-100B (Expanded).....	103
		100-100.....	24		
JOHN DEER		FACE		TELESCOPY	
Base Unit (1) 100-100-100.....	11	100-100.....	21	100-100.....	111



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.



MODEL Dyna-Com 23 (99-32567L)

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

L1 thru L5, L10, L12 thru L17.....GC Electronics #5000
L6, L7, L11, L18, L19, L20, MF.....GC Electronics #9440

RECEIVER

Connect an AC VTVM across speaker voice coil. Set volume control fully clockwise and squelch control fully counter clockwise.

SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
High side thru .01mfd to anode of D2. Low side to ground. Tune to 455KC (mod.)	Any	L20, L19 L18, MC	Adjust for maximum.
Frequency Counter	Any	L1	Connect counter to the base of TR8 and turn L1 counter clockwise until oscillator stops. Then turn clockwise one turn.
High side thru .01 to ant connector. Low side to ground. Tune to Channel 11 (27.085MC.)	11	L17, L16 L15, L14, L13, L12	Adjust for maximum.

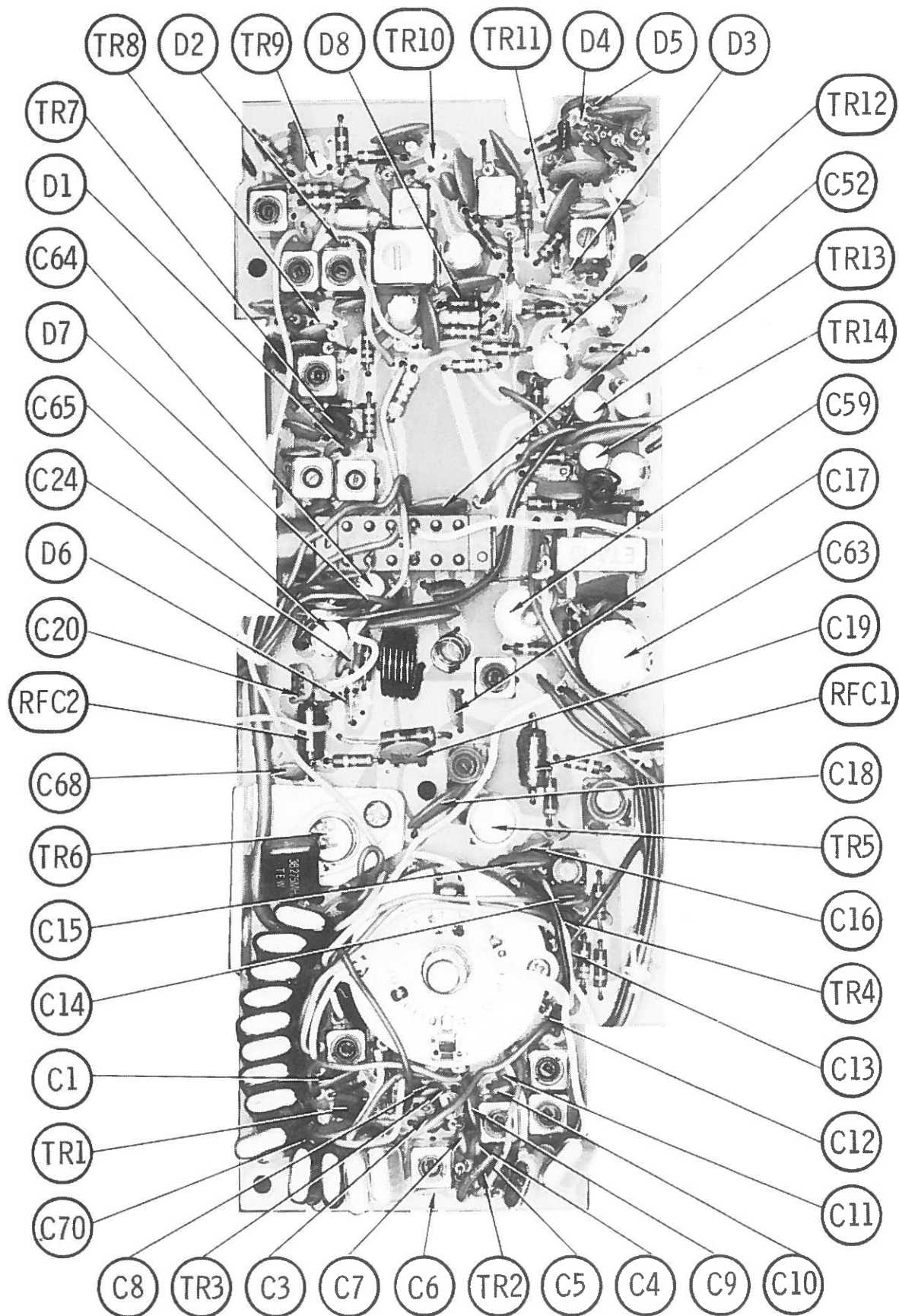
TRANSMITTER

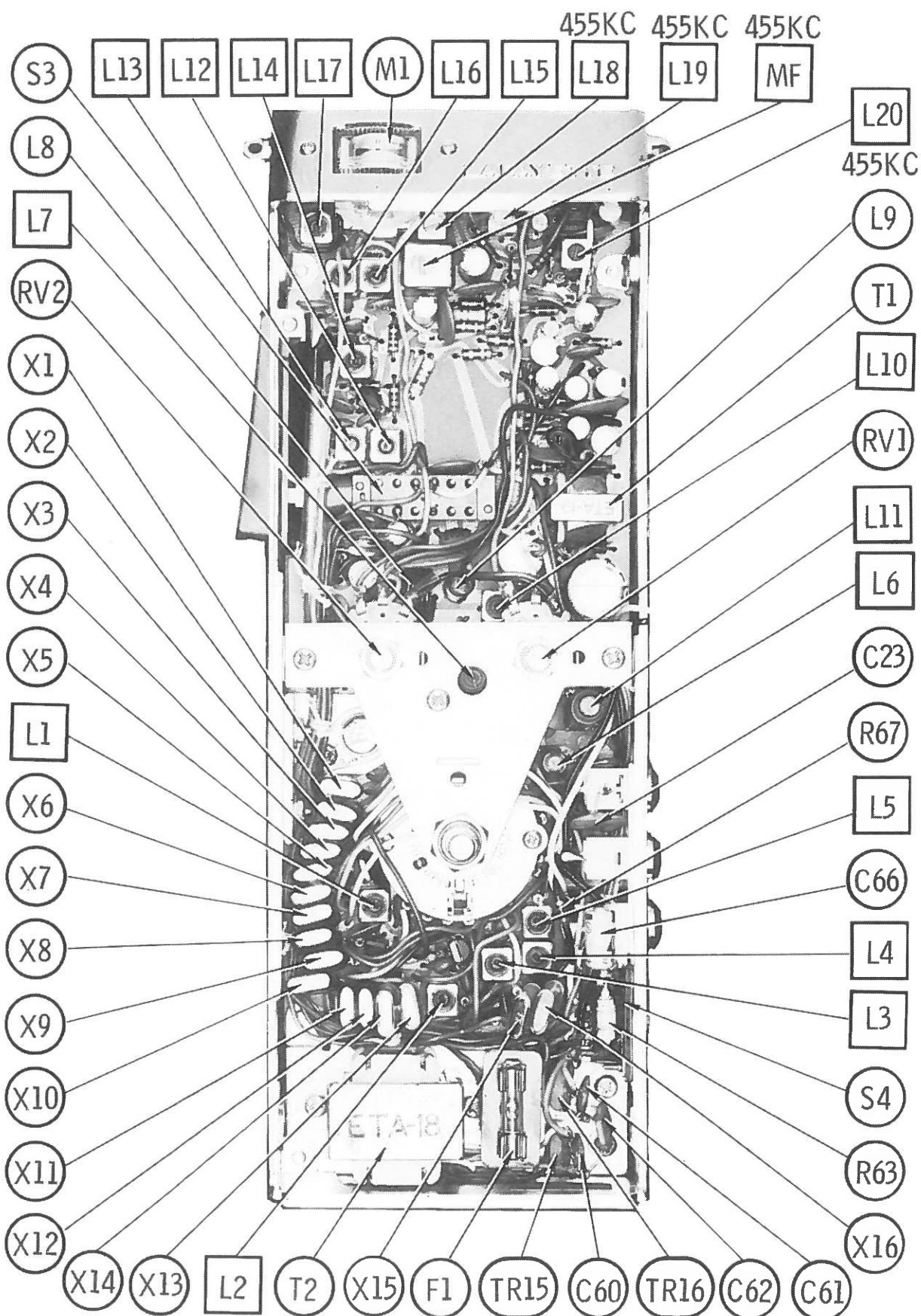
INDICATOR	ADJUST	REMARKS
RF Wattmeter or field strength	L2,L3,L4, L5,L6,L7 L9,L11	Adjust for maximum.
0-500MA DC Ammeter	L9	Insert meter in collector circuit of TR6 (final amp.) Readjust L9 for 5 watts Input.
Television (CH.2)	L10	Adjust for minimum interference.

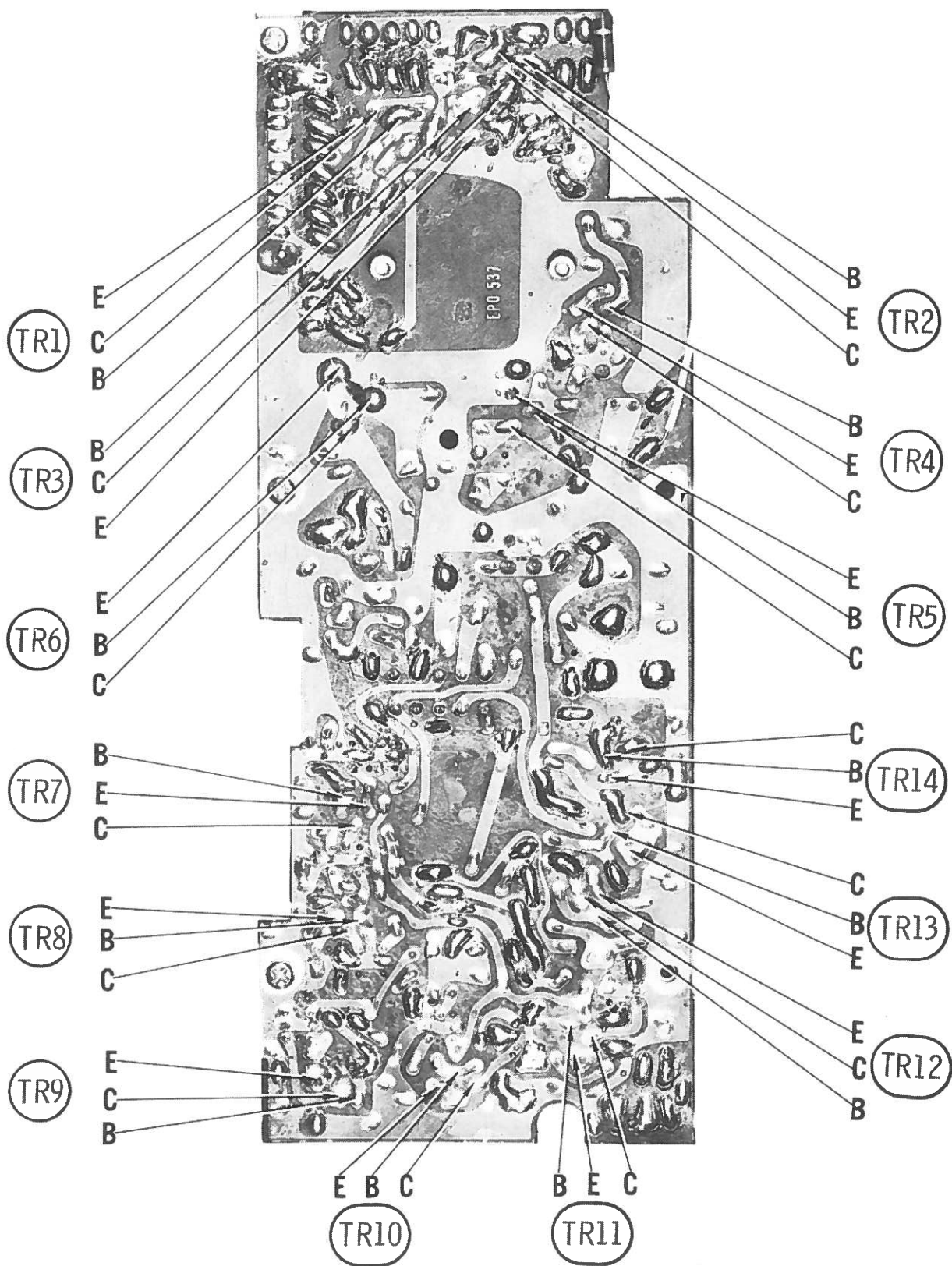
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

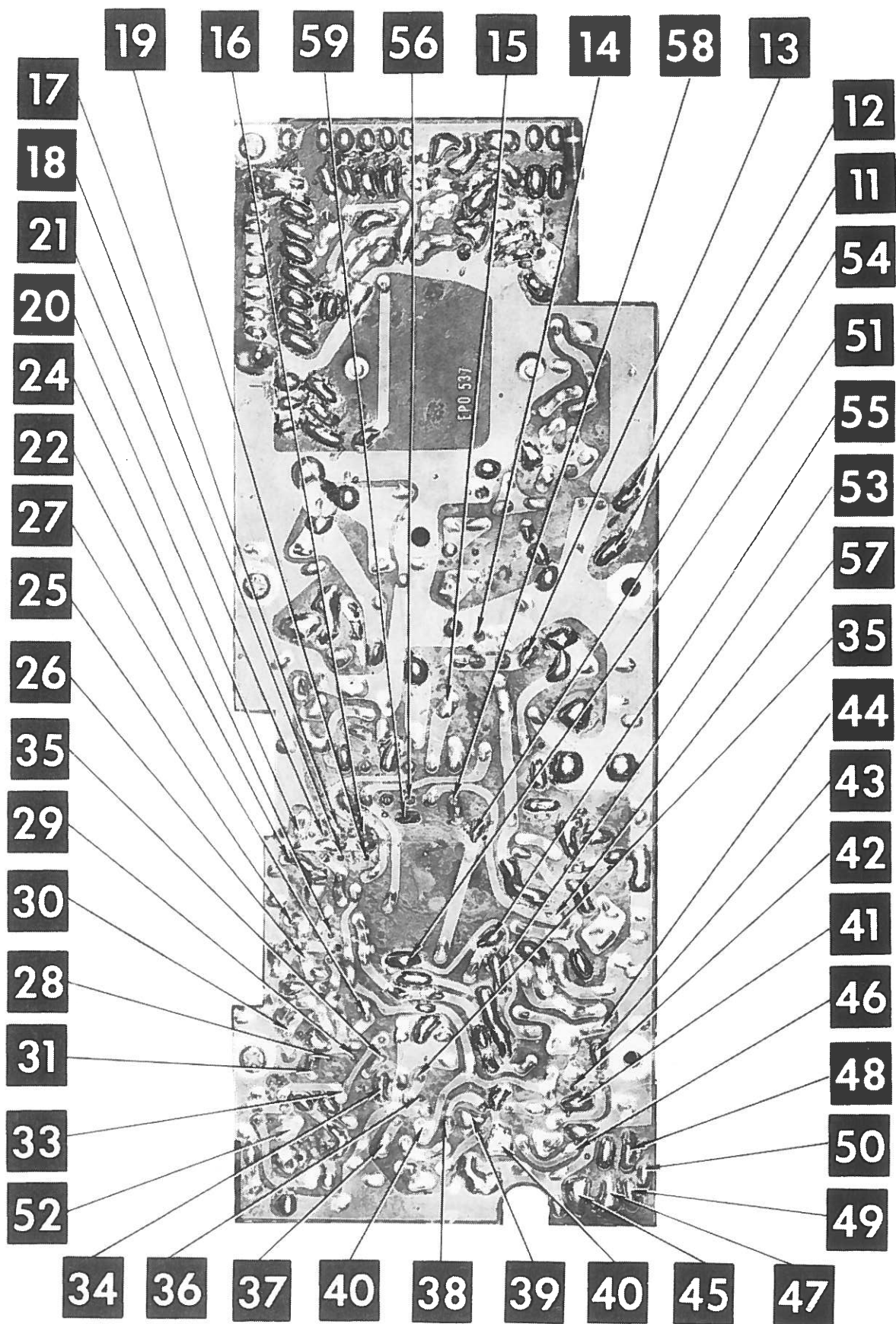
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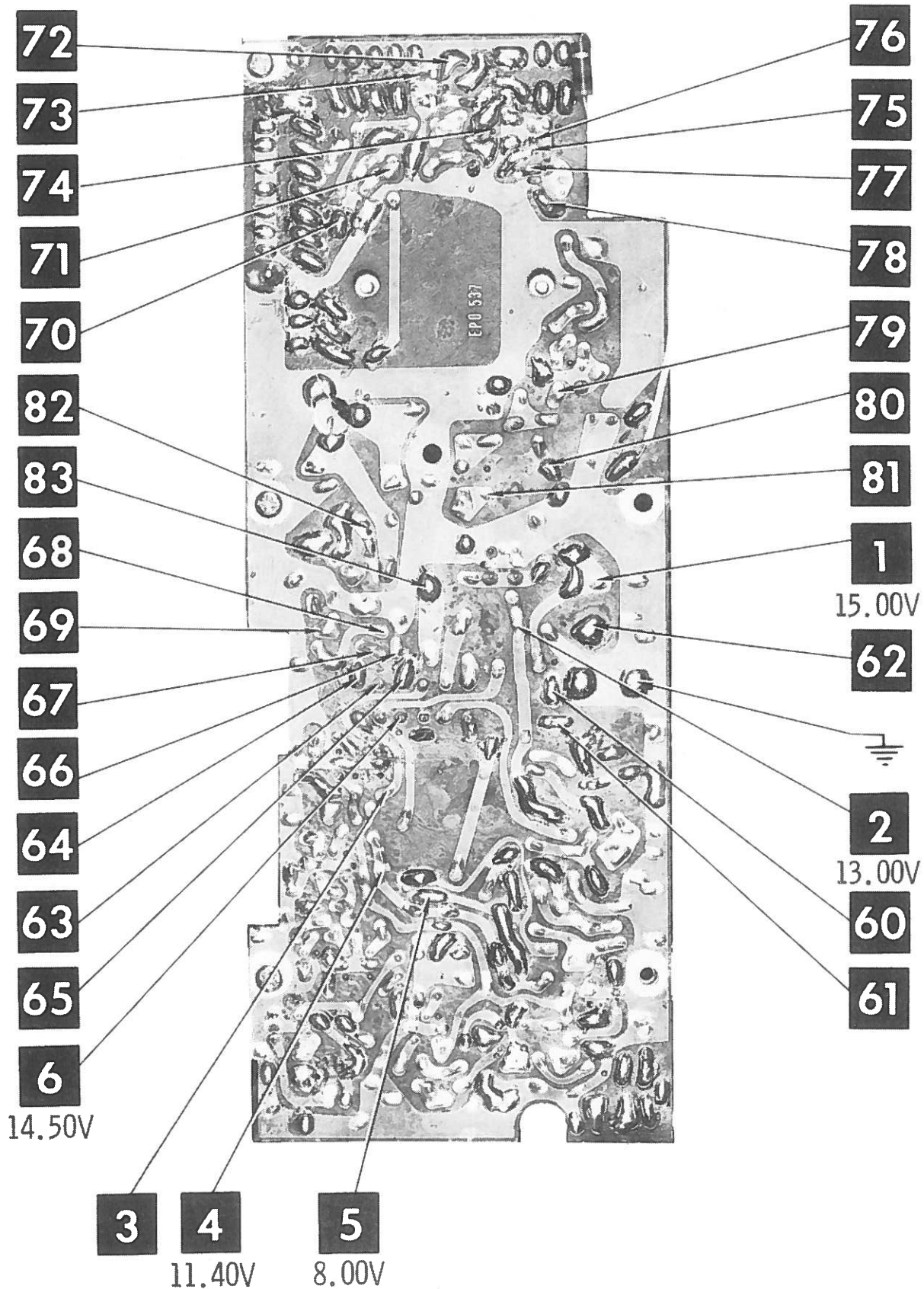
LAFAYETTE MODEL DYNA-COM 23

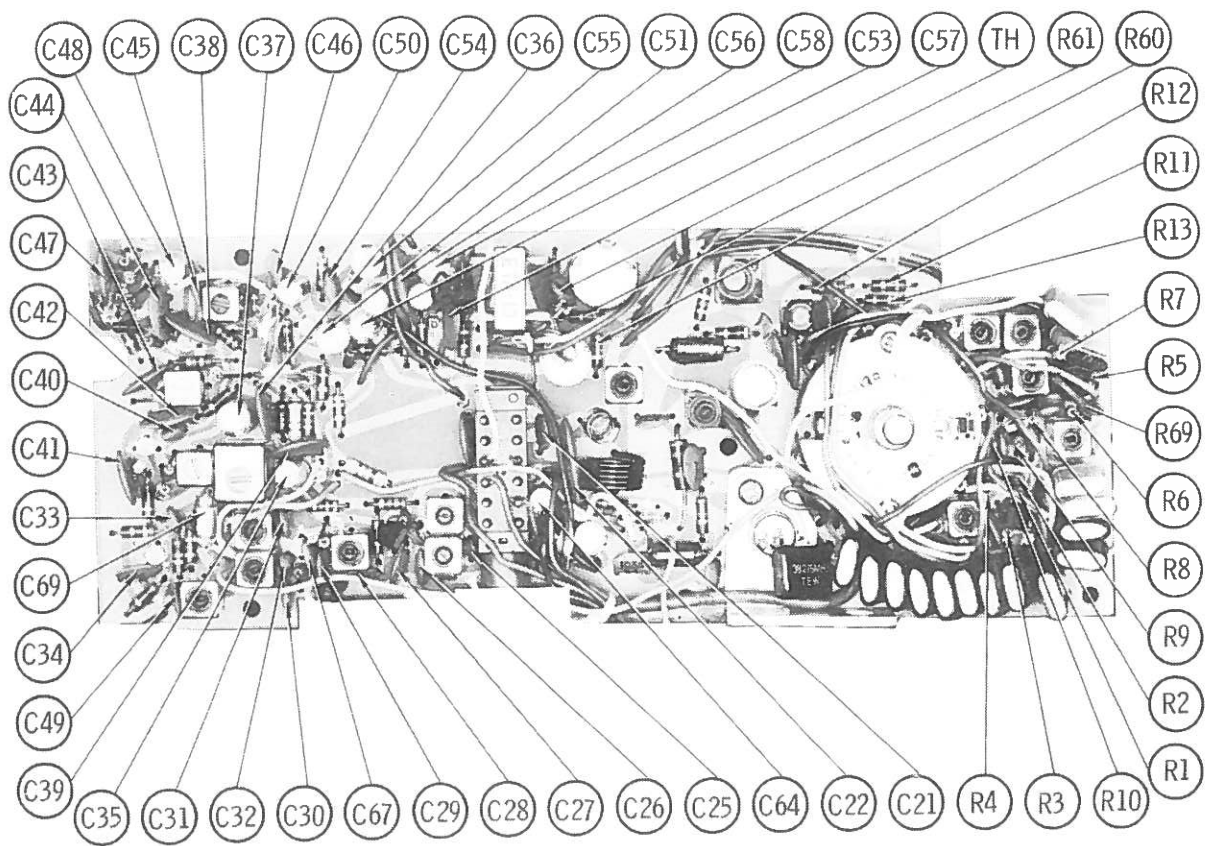
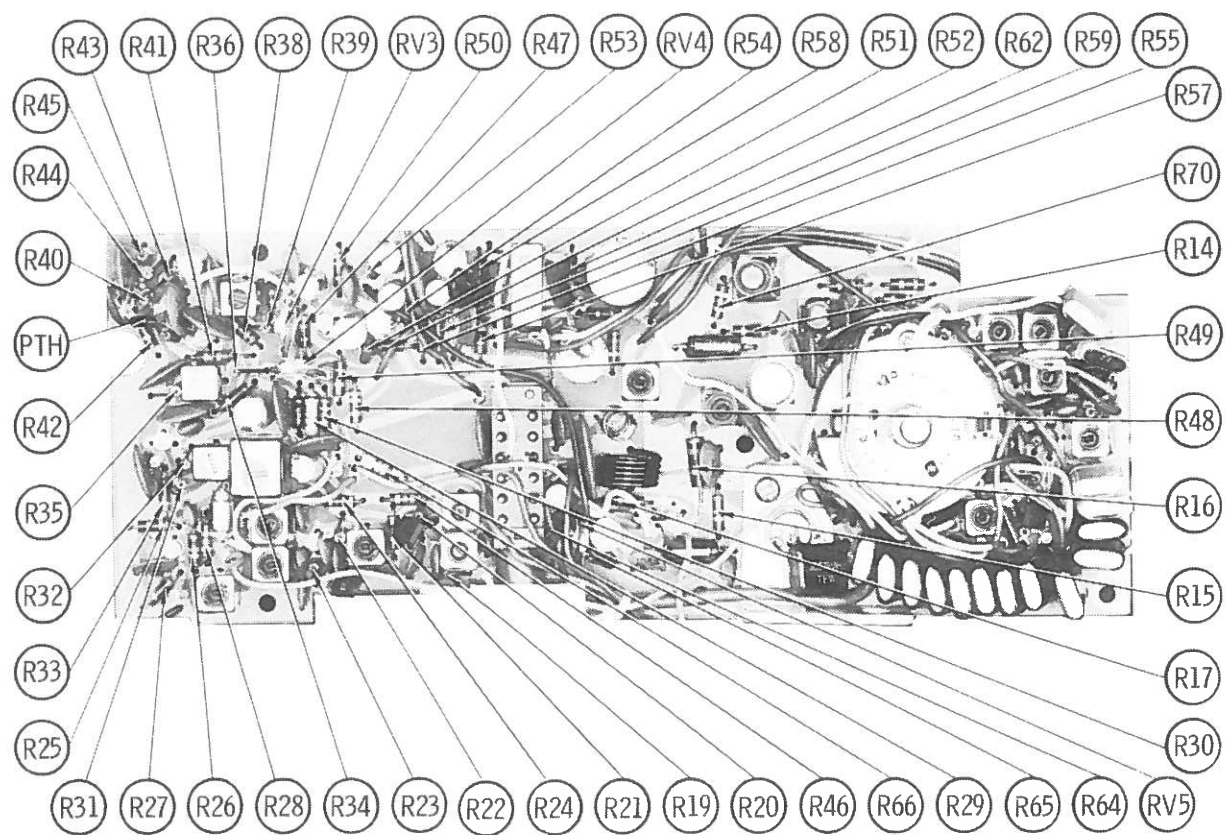


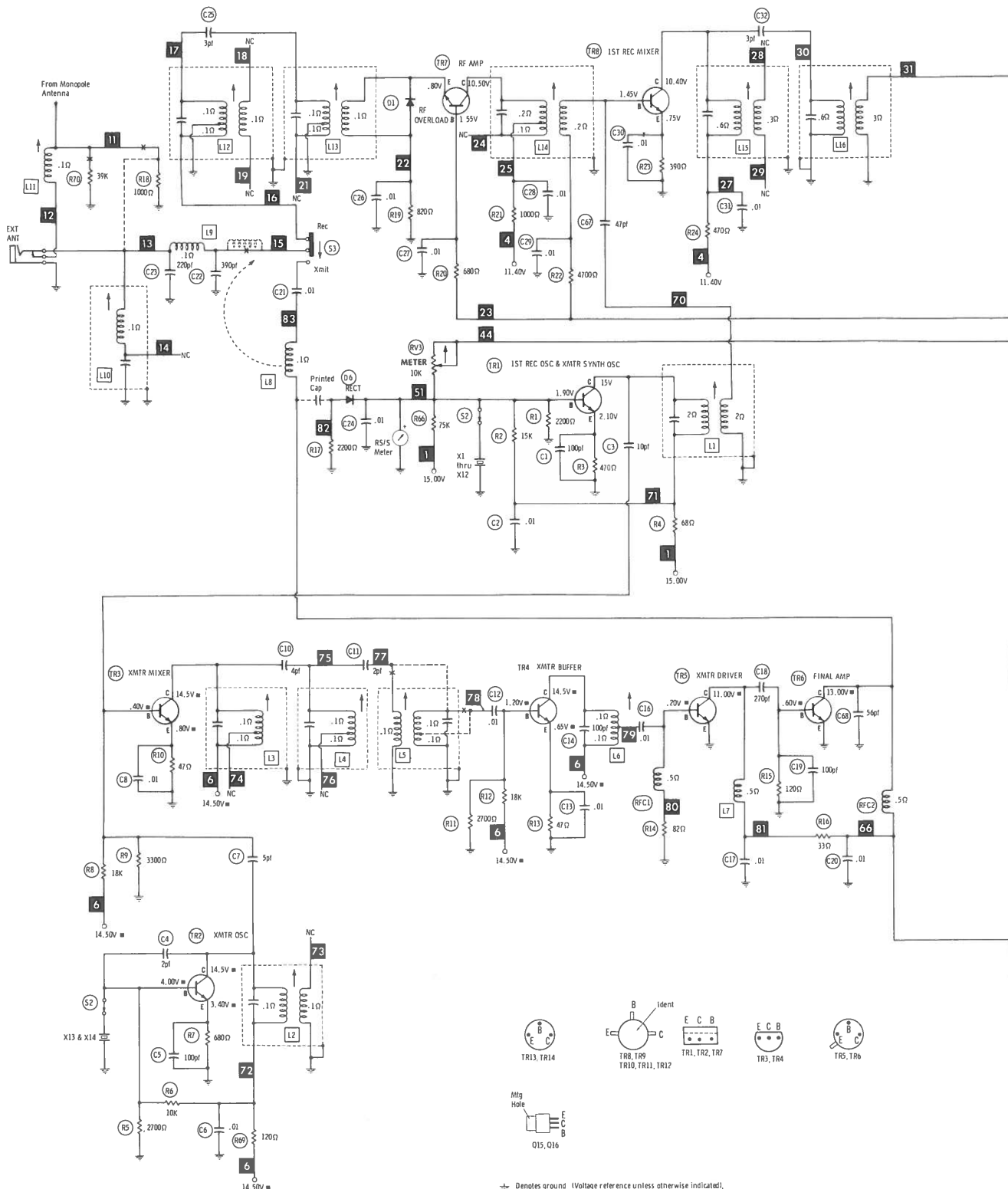






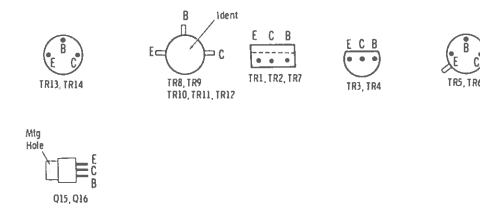




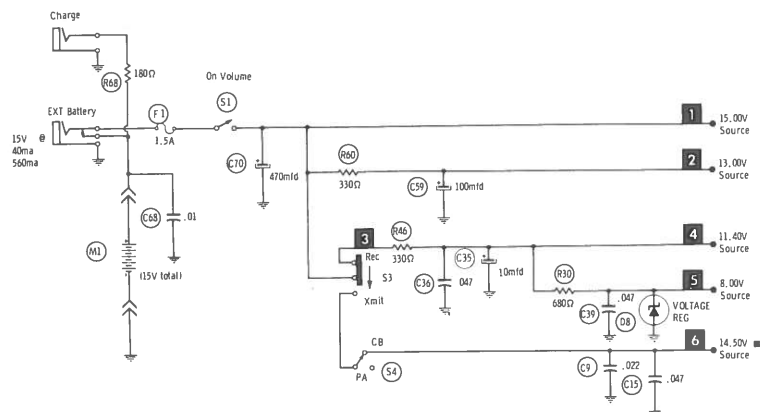
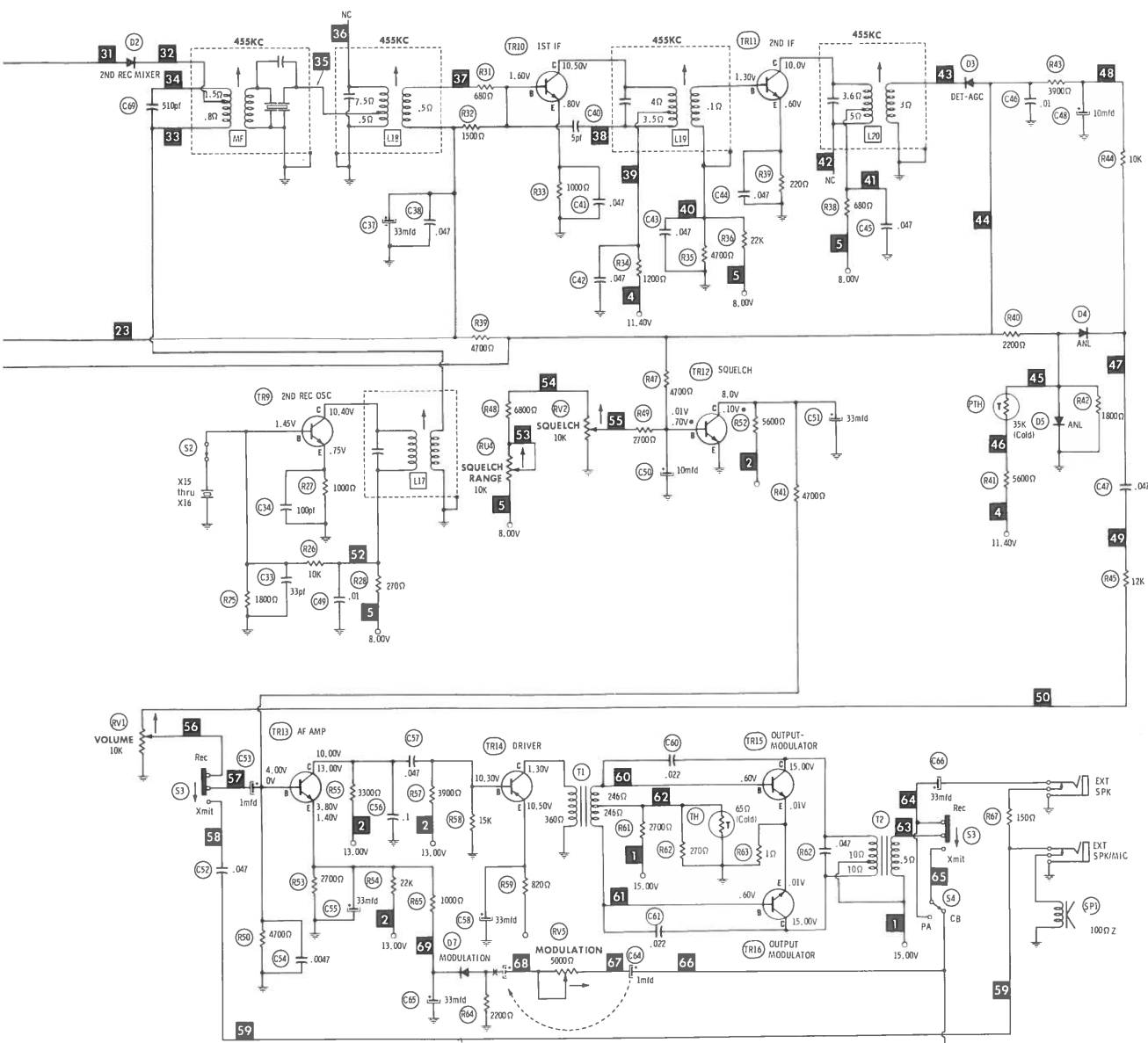


Measurements taken with switching in position shown unless otherwise indicated.
 Values shown in (1) are used in some applications.
 Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
 Supply voltage maintained at rated value for measurements.
 Voltage and resistance measured with VTVM or equivalent meter, no signal applied and controls adjusted for normal operation.
 Arrow on control indicates direction of advance.
 Numbers assigned to terminals may not be found on the unit.
 Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
 with CIRCUITRACE
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- ⊥ Denotes ground (Voltage reference unless otherwise indicated).
- Indicates connection used in some versions.
- Indicates connection not used in some versions.
- * Omitted in some versions.
- ⊙ See parts list.
- Measured in "Transmit" position
- Squelched



LAFAYETTE MODEL DYNA-COM 23

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
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. 8499 Single-Conductor Shielded (Neoprene)
	8498 Single-Conductor Shielded (Vinyl)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets
Bonding Strap	Use BELDEN No. 8661 (3/8 In.)

SEMICONDUCTORS

ITEM No.	TYPE / MFG. No. / PART No.	REPLACEMENT DATA						
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.	MOTOROLA PART No.
D1	1S1555	GE-300	D200	PTC214	SK3100	RT318	ECG177	
D2	IN60	IN60	IN60	PTC206	SK3088		ECG109	
D3	IN60	IN60	IN60	PTC206	SK3088		ECG109	
D4	IN60	IN60	IN60	PTC206	SK3088		ECG109	
D5	IN60	IN60	IN60	PTC206	SK3088		ECG109	
D6	IN60	IN60	IN60	PTC206	SK3088		ECG109	
D7	IN60	IN60	IN60	PTC206	SK3088		ECG109	
TR1	2SC460	GE-11	TR21	PTC121	SK3018	RT108	ECG107	HEP53
TR2	2SC460	GE-11	TR21	PTC121	SK3018	RT108	ECG107	HEP736
TR3	2SC815	GE-20	TR-25	PTC123	SK3024	RT100	ECG123A	HEP736
TR4	2SC815	GE-20	TR-25	PTC123	SK3024	RT100	ECG123A	HEP736
TR5	2SCF6	GE-20	TR-25	PTC123	SK3024	RT100	ECG123A	S3001
TR6	2SCF8	GE-20	TR-25	PTC123	SK3024	RT100	ECG123A	S3001
TR7	2SC460	GE-11	TR-21	PTC-121	SK3018	RT108	ECG107	HEP53
TR8	2SC184	GE-20	TR-21	PTC-132	SK3018	RT100	ECG108	HEP56
TR9	2SC183	GE-20	TR-21	PTC-132	SK3020	RT100	ECG108	HEP56
TR10	2SC183	GE-20	TR-21	PTC-132	SK3020	RT100	ECG108	HEP56
TR11	2SC183	GE-20	TR-21	PTC-132	SK3020	RT100	ECG108	HEP56
TR12	2SC183	GE-20	TR-21	PTC-132	SK3020	RT100	ECG108	HEP56
TR13	2SD77	GE-8			SK3010	RT22	ECG123A	HEP641
TR14	2SD77	GE-8			SK3010	RT22	ECG123A	HEP641
TR15	2SC1013	GE-28			SK3041	RT154	ECG186	HEP244
TR16	2SC1013	GE-28			SK3041	RT154	ECG186	HEP244

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		MFG. PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C35	10 16V	2986-12	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	EV-1222
C37	33 10V	3089-12	ME-3-D-035	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	EV-1125
C48	10 16V	3102-12	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	EV-1222
C50	10 16V	3102-12	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	EV-1222
C51	33 10V	3089-12	ME-3-D-035	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	EV-1125
C53	1 50V	2300-12	RME-A-J-001	EP50-2	WBR1-50	MT1-1	MTV1CB50	EV-1615
C55	33 10V	3089-12	ME-3-D-035	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	EV-1125
C58	33 10V	3089-12	ME-3-D-035	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	EV-1125
C59	100 16V	3078-12	RME-E-E-100	EP15-100	WBR100-16	MT1-19	MTV100CD15	EV-1230
C63	470 16V	3204-12	RME-L-E-500	EA15-500	WBR500-16	QT1-30A	MTV500DN15	EV-1250
C64	1 50V	2300-12	RME-A-J-001	EP50-2	WBR1-50	MT1-1	MTV1CB50	EV-1615
C65	33 10V	3089-12	ME-3-D-035	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	EV-1125
C66	33 16V	3104-12	ME-3-E-035	EA15-25	WBR35-50	MT1-13.5	MTA30D15	TVA-1149.1

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			ARCO/ELMENC0 PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C2	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C3	10		CC10-100	DTZ-10	NP010	CN0410	10TCC-Q10
C4	2			DTZ-2R2	NP02P2	CN0522	10TCC-V22
C5	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C6	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C7	5				NP05		10TCC-V50
C8	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C9	.022		CCD-203	CK-203	MGPO2	TA120	TG-S20
C10	4				NP03P9		10TCC-V39
C11	2			DTZ-2R2	NP02P2	CN0522	10TCC-V22
C12	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C13	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C14	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C15	.047		CCD-503	CK-503	MGPO5	TA150	TG-S50
C16	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C17	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C18	270		CCD-270	DD-271	GP270	GP327	10TS-T27
C19	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C20	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C21	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10
C22	390		CCD-391	DD-391	GP390	GP339	10TS-T39
C23	220		CCD-221	DD-221	GP220	GP322	10TS-T22
C24	.01		CCD-103	CK-103	MGPO1	TA110	TG-S10

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS(cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA				
			ARCO/ELMENCO PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C25	3						10TCC-V30
C26	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C27	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C28	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C29	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C30	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C31	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C32	3						10TCC-V30
C33	33		CCT0-330	DTZ-33	NP033	CN0433	10TCC-Q33
C34	100		CCD-101	DD-101	GP100	GP310	10TS-T10
C36	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C38	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C39	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C40	5				NP05		10TCC-V50
C41	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C42	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C43	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C44	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C45	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C46	.01		CCD-103	CK-103	MGP01	TA110	TG-S10
C47	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C52	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C54	.0047		CCD-472	DD-472G	GP4700	JF247	10TS-D47
C56	.1			CK-104		TA010	TG-P10
C57	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C60	.022		CCD-203	CK-203	MGP02	TA120	TG-S20
C61	.022		CCD-203	CK-203	MGP02	TA120	TG-S20
C62	.047		CCD-503	CK-503	MGP05	TA150	TG-S50
C68	56		CCD-560	DD-560	GP456	GP456	10TS-Q56
C69	510	125V	DM-16-511J	CPR-510J		SX351	MS-351
C70	.01		CCD-103	CK-103	MGP01	TA110	TG-S10

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

ITEM No.	FUNCTION	RESIST- ANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
RV1	Volume/Switch	10K	1543-11 (ERV-9)				
RV2	Squelch	10K	1542-11 (ERV-10)				
RV3	Meter Adjust	10K	2474-13 (ERP-2)	TSV-10K (1) or [T-10K (1)]		X201R103B (1)	MTC14L1 (1)
RV4	Squelch Range	10K	2472-13 (ERP-2)	TSV-10K (1) or [T-10K (1)]		X201R103B (1)	MTC14L1 (1)
RV5	Modulation Adjust	5000ohm	2492-13 (ERP-13)	TSV-5K (1) or [T-5000 (1)]		X201R502B	MTC53L1 (1)

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

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
PTH	35K (Cold)		2305-17

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
TH	65ohm (Cold)		1015-17

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	1st Rec. Osc.	2475-23			
L2	Xmtr. Osc.	2476-23			
L3	Bandpass Filter	2354-23			
L4	Bandpass Filter	2354-23			
L5	Bandpass Filter	2353-23			
L6	Xmtr. Buffer	2028-23			
L7	Xmtr. Mixer	2427-23			
L8	Final (6 turns)	2428-23			
L9	Pi Filter (5 turns)	2429-23			
L10	TVI Trap	2311-23			
L11	Antenna Loading	2477-23			
L12	Antenna Matching (Pri)	2032-23			
L13	Antenna Matching (Sec)	2032-23			
L14	IF Input	2431-23			
L15	Interstage IF	2476-23			
L16	Interstage IF	2476-23			
L17	2nd Rec. Osc.	2476-23			
L18	Interstage IF	1942-24	16-9033	8810	
L19	Interstage IF	1943-24	16-9034	8811	
L20	IF Output	1944-24	16-9035	8515	
MF	Interstage IF (Includes Filter)	1950-24			
RFC1	RF Choke	2240-23	19-1002	4606	T857
RFC2	RF Choke	2240-23	19-1002	4606	T857

LAFAYETTE MODEL DYNA-COM 23

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.	
T1	2	1ct		1673-15				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	256	100	1672-15				

SPEAKER

ITEM No.	TYPE		REPLACEMENT DATA		NOTES
			MFGR. PART No.	QUAM PART No.	
SP1	2 3/4	100ohms	1239-36		

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER
F1	1.5A	4278-20	1997-19				

BATTERIES

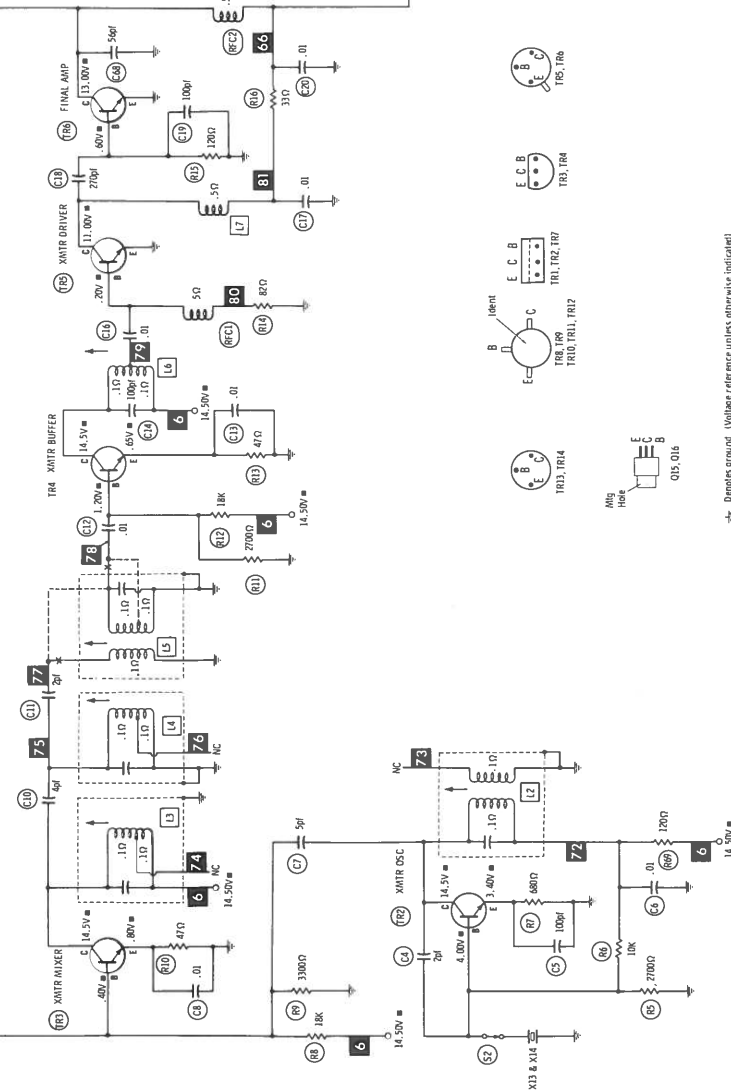
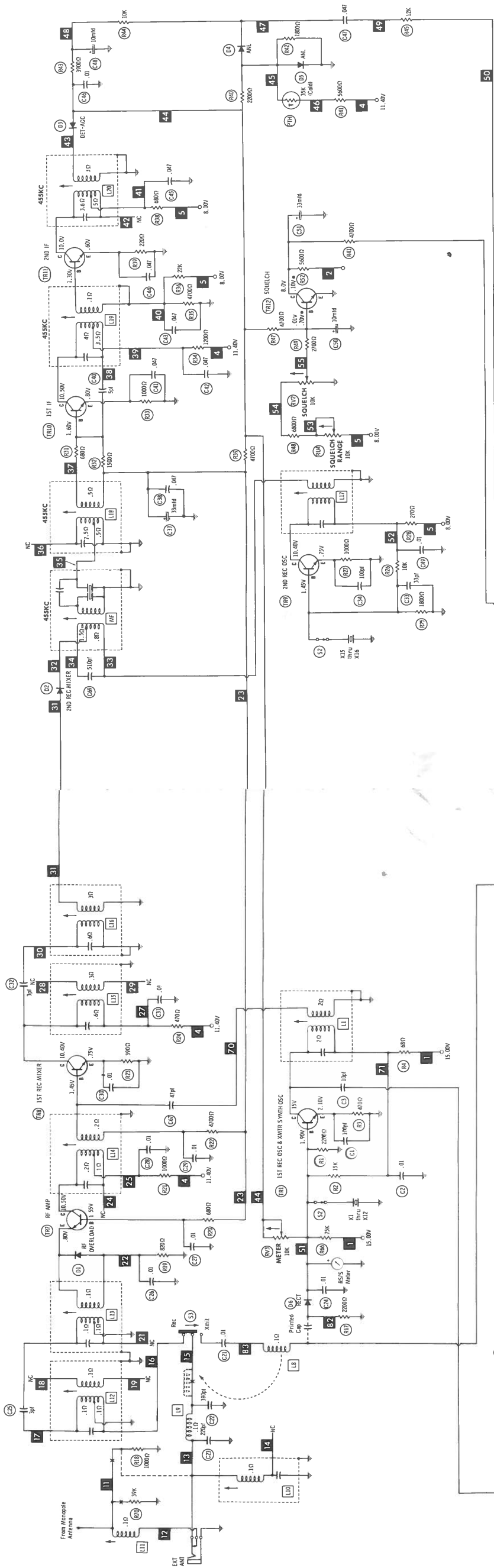
ITEM No.	VOLTAGE	MFGR. PART No.	EVEREADY PART No.	NOTES
M1	15V		1015 or E91 or E9	10 Required

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
Ss	Switch	1829-14	Selector Rec.-Xmit. CB, PA. RF, "S" Meter
S3	Switch	1774-14	
S4	Switch	1830-14	
	Meter	1163-27	
X1	Crystal	1251-35	38.275MC
X2	Crystal	1252-35	38.285MC
X3	Crystal	1253-35	38.295MC
X4	Crystal	1254-35	38.315MC
X5	Crystal	1255-35	38.375MC
X6	Crystal	1256-35	38.385MC
X7	Crystal	1257-35	38.395MC
X8	Crystal	1258-35	38.415MC
X9	Crystal	1259-35	38.475MC
X10	Crystal	1260-35	38.485MC
X11	Crystal	1262-35	38.495MC
X12	Crystal	1261-35	38.515MC
X13	Crystal	1239-35	11.310MC
X14	Crystal	1238-35	11.260MC
X15	Crystal	1241-35	11.765MC
X16	Crystal	1240-35	11.715MC
	Antenna, Telescopic	1166-39	

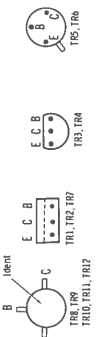
CABINETS & CABINET PARTS (When ordering specify model, chassis & color)

ITEM	PART No.	ITEM	PART No.
Knob-Push to talk Knob, Selector	1809-18 1811-18	Knob, Squelch, Volume	1810-18

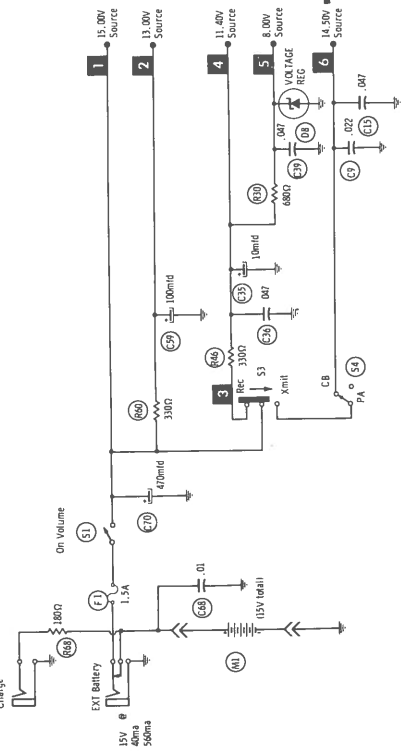


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Supply voltage maintained at rated value for measurements.
Voltage and resistance measured with VTVM or equivalent meter.
No signal applied and controls adjusted for normal operation.
Arrows indicate connections to terminals on the unit.
Numbers assigned to terminals may not be found on the unit.
Transistor resistances very widely. No resistance measurements taken.

A PHOTOFACT STANDARD NOTATION SCHEMATIC
with **CIRCUITRY**
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Denotes ground. Voltage reference unless otherwise indicated.
--- Indicates connection used in some versions.
* Denotes connection used in some versions.
⊙ See part's list.
■ Measured in "Transmit" position
● Squelch



LAFAYETTE MODEL DYNA-COM 23



PHOTOFACT[®] with CIRCUITRACE[®]

For Supplier Address See PHOTOFACT Index

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



MODEL SBE-8CB (Console)

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools: GC ELECTRONICS
A1, A2, A3, A5, A7 thru A20, A24, A25, A38, A39#8276, 8277, 8290
A4, A6, A21, A22, A23, A26 thru A32#8606L, 9440
A33 thru A37#8868, 9089

RECEIVE (AM)

Connect an AC VTVM across speaker voice coil. Set volume control fully clockwise and Squelch control fully counterclockwise.

SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
		VR301	Connect a voltmeter from TP1 to ground. Adjust AGC control for .75 volts.
High side thru .01mfd to base of Q7 (2nd Mixer), low side to chassis. Tune to 455KC (Mod.).	Any	A1, A2, A3	Adjust for maximum
High side thru .01mfd to Antenna Connector, low side to chassis. Tune to 27.08MC (Mod.).	11	A6, A26, A27	Adjust for maximum.

RECEIVE (SSB)

Connect an RF voltmeter from point $\diamond$ to chassis.

SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
		VR702	Connect a voltmeter from TP1 to ground. Adjust SSB AGC (VR702) control for .6 volts.
High side thru .01mfd to base of Q2 (1st Mixer), low side to chassis. Tune to 7.8MC.	Any	A28, A29, A30	Adjust for maximum.

OSCILLATOR ADJUSTMENT

INDICATOR	ADJUST	REMARKS
Frequency Counter	A4, A5	Connect counter to point $\diamond$ and turn A4 counterclockwise until the oscillator stops, then turn clockwise one turn. Adjust A5 for frequency at 7.3435MC.
Frequency Counter	A7 Thru A12	Connect counter to TP-4 and adjust for correct crystal frequencies.
Frequency Counter	A13 Thru A16	Set Mode switch to LSC position. Connect counter to point $\diamond$ and adjust for correct crystal frequencies.

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SBE MODEL SBE-8CB

ALIGNMENT INSTRUCTIONS (Continued)

OSCILLATOR ADJUSTMENT (CONT)

INDICATOR	ADJUST	REMARKS
Frequency Counter	A17 Thru A20	Set Mode switch to USB position. Connect counter to point $\diamond$ and adjust for correct crystal frequencies.
RF voltmeter	A21, A22, A23	Set channel selector on channel 11. Set mode switch to AM position. Connect RF probe to TP-5 and adjust for maximum.
Frequency Counter	A24	Set Mode switch to USB. Connect counter to Drain of Q12 (Buffer) and adjust for frequency of 7.7985MC.
Frequency Counter	A25	Set Mode switch to LSB. Connect counter to Drain of Q12 (Buffer) and adjust for frequency of 7.8015MC.

TRANSMITTER (AM)

RF wattmeter or Field Strength Meter	A31 Thru A36	Adjust for maximum.
0-500ma DC Ammeter	A36, A37	Remove meter jumper and insert meter. Adjust A37 counterclockwise and A36 clockwise to reduce collector current to 400ma.

AM MODULATION ADJUSTMENT

Monitor Scope	VR601, VR502	Connect the monitor scope to the antenna connector. Connect an audio generator to the microphone input circuit and set to 2500 cps @ 5MV. Adjust AM Mic Adj. (VR601) for 50% modulation. Increase the audio output 16db from 50% modulation. Adjust Mic Level Adj (VR502) for 90% to 100% modulation.
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TRANSMITTER (SSB)

RF Wattmeter and Monitor Scope	A39 VR201	Connect the RF wattmeter and monitor scope to the antenna connector. Set mode switch to USB position and short the microphone input to ground. Adjust for MINIMUM carrier output with no audio.
0-50ma Ammeter	VR501	Remove meter jumper at CH5 and insert meter. Set mode switch to USB position and short the microphone input to ground. Adjust VR501 for a current of 5ma.

SSB ALC ADJUSTMENT

RF Voltmeter	VR504	Connect the RF Voltmeter across the dummy load. Adjust Automatic Level Adj. (VR504) fully clockwise. Set mode switch to USB position. Connect an audio generator to the microphone input and set to 2500 cps. Key the transmitter and increase the audio generator output until the waveform just reaches saturation. Adjust Automatic Level Adj. (VR504) to decrease the RF voltmeter reading by 10%.
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SSB MIC GAIN ADJUSTMENT

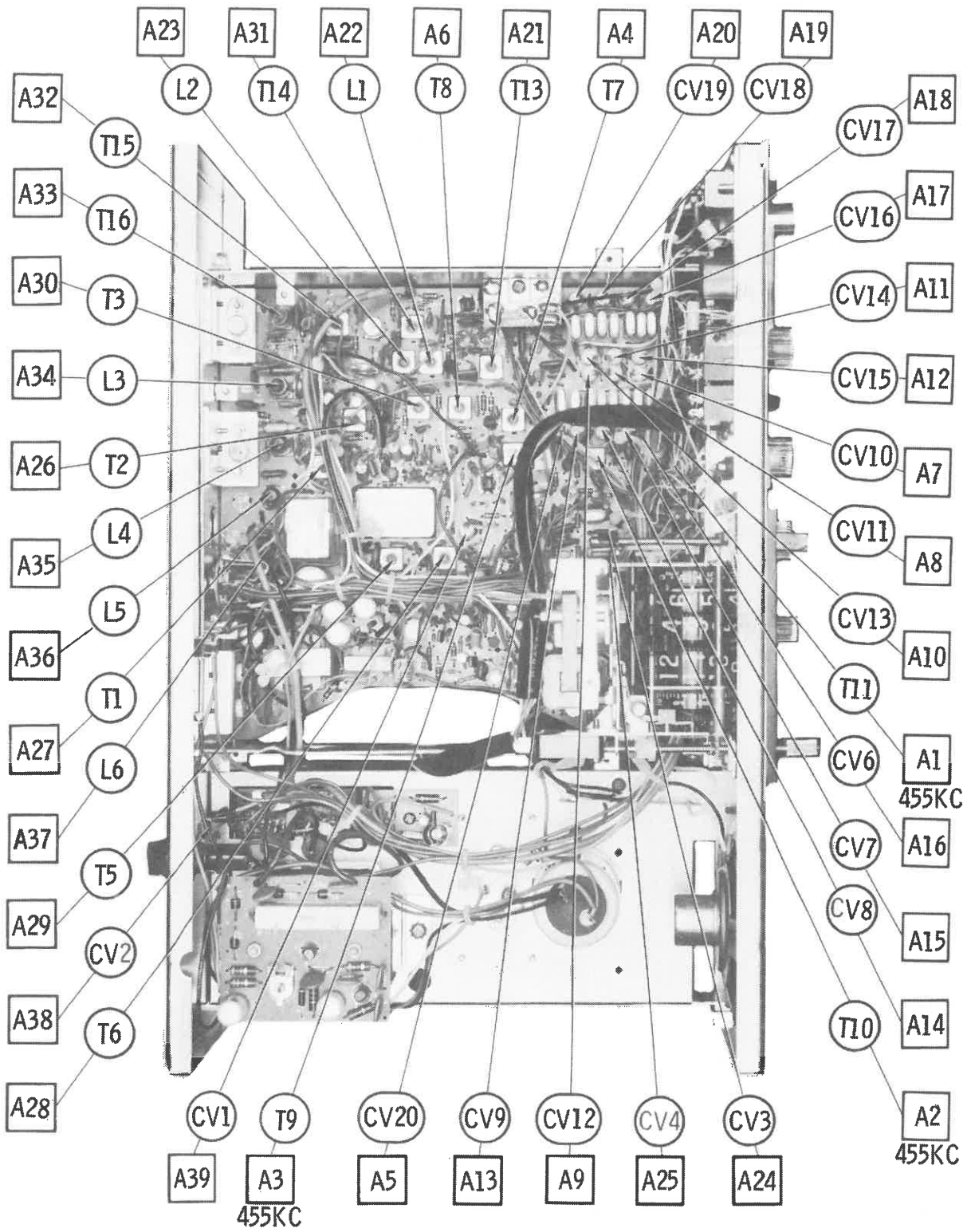
Modulation meter	VR602	Connect modulation meter to Antenna Connector. Key the transmitter and adjust SSB Mic Adj. (VR602) for desired microphone sensitivity.
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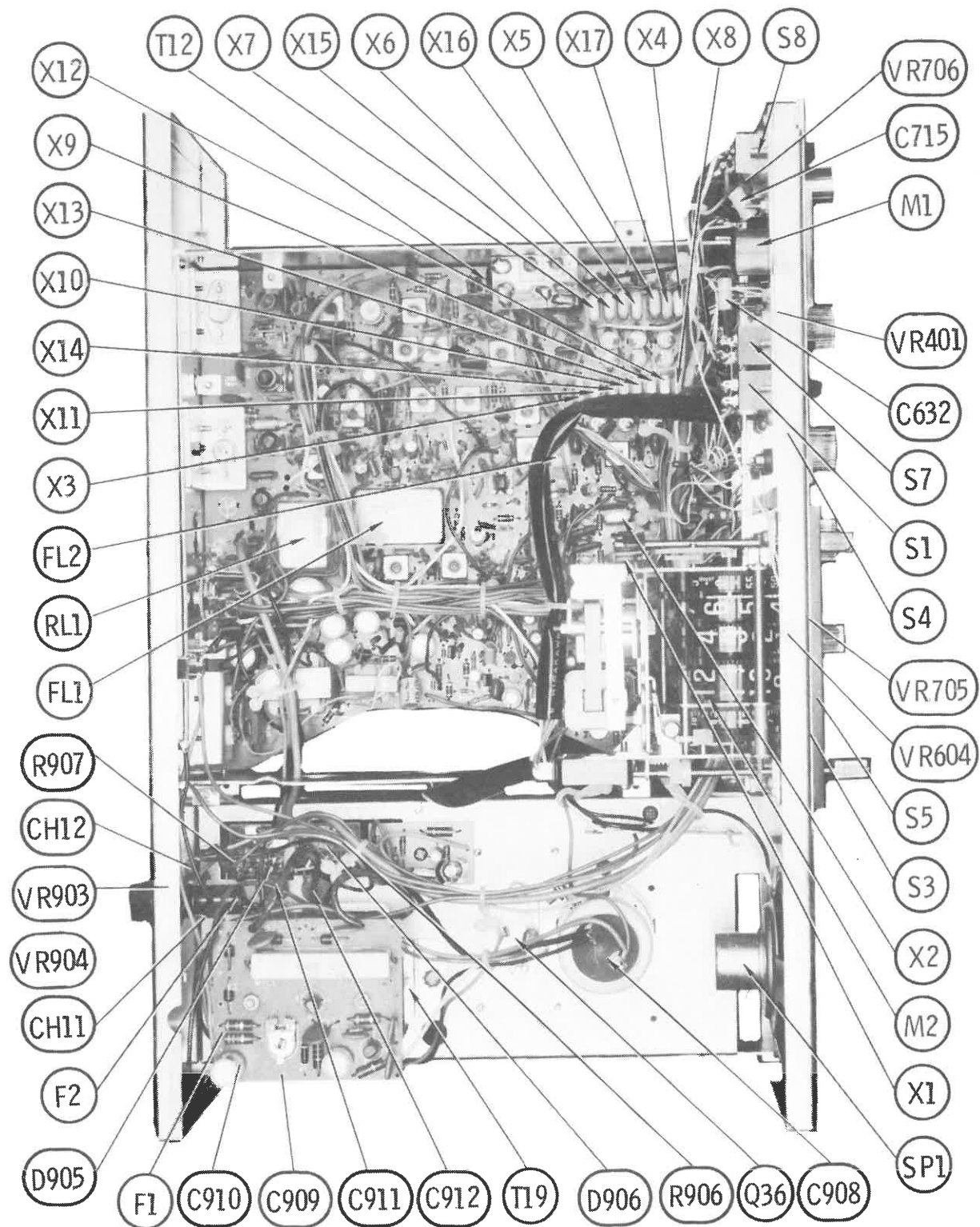
AM SQUELCH ADJUSTMENT

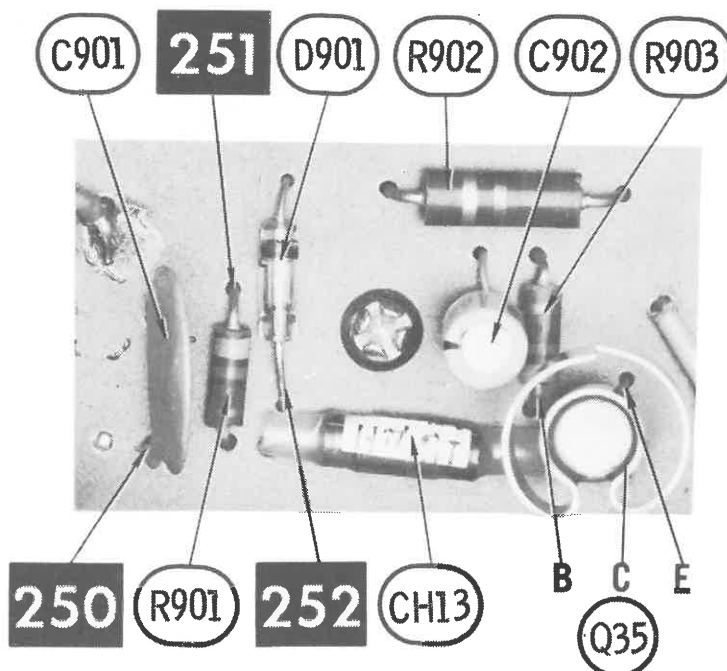
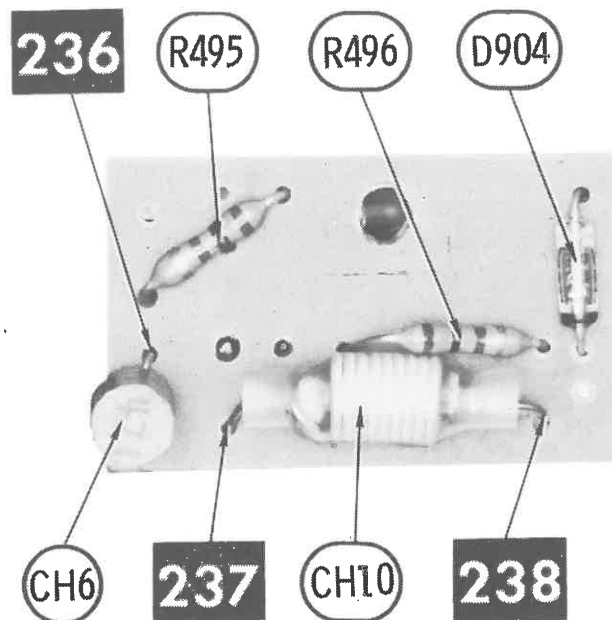
	VR703	Rotate the squelch control to the maximum clockwise position. Connect an RF signal generator to the antenna connector and adjust to 27.085MC (Mod). Set channel selector to channel 11. Adjust AM Squelch Adj. (VR703) so that the squelch breaks between 250 and 350uV.
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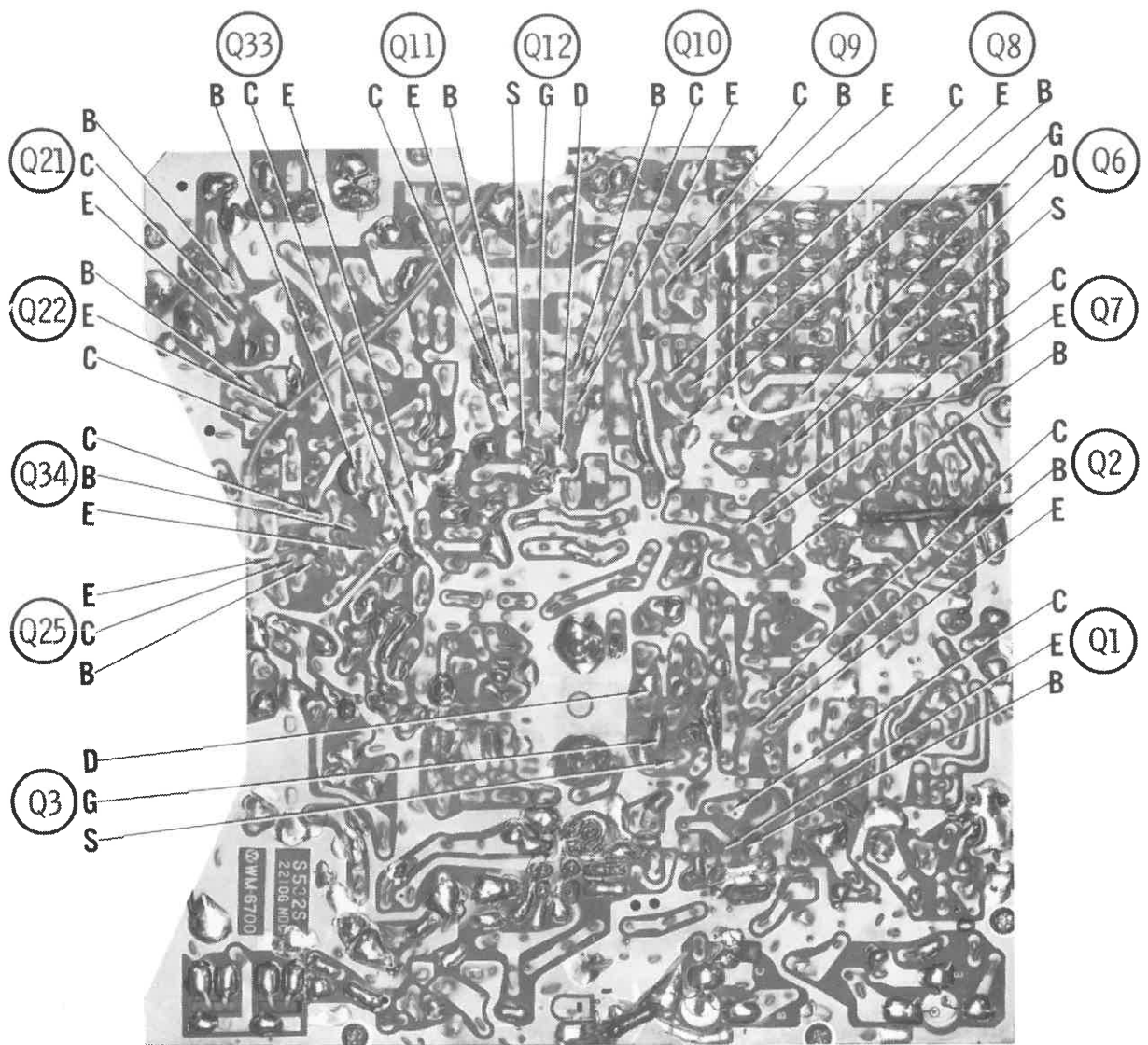
SSB SQUELCH ADJUSTMENT

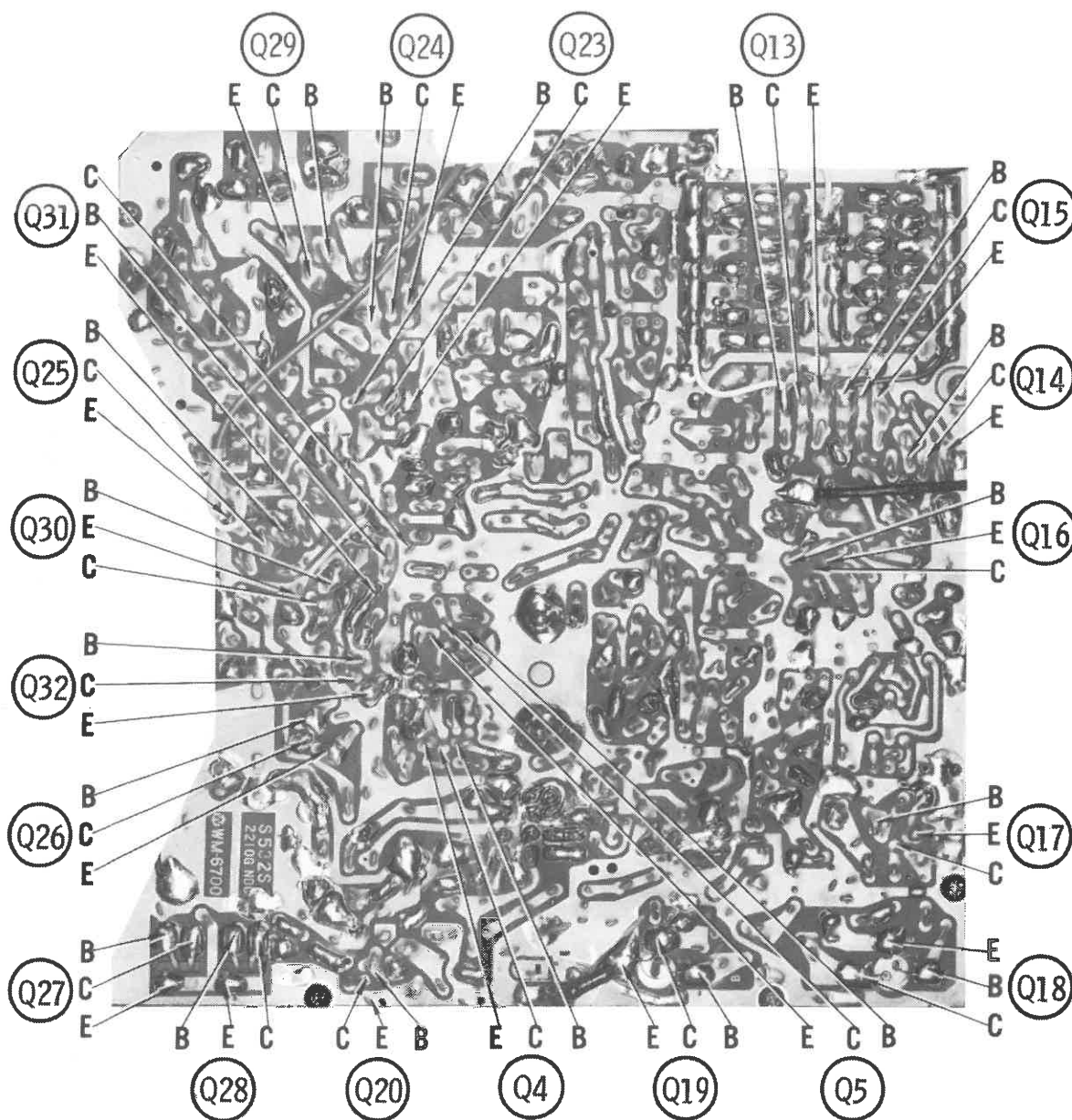
	VR704	Rotate the squelch control to the maximum clockwise position. Set mode switch to USB position. Connect an RF signal generator to the antenna connector and adjust to 27.085MC (Mod). Set channel selector to channel 11. Adjust SSB Squelch Adj. (VR704) so that the squelch breaks between 100 to 150uV.
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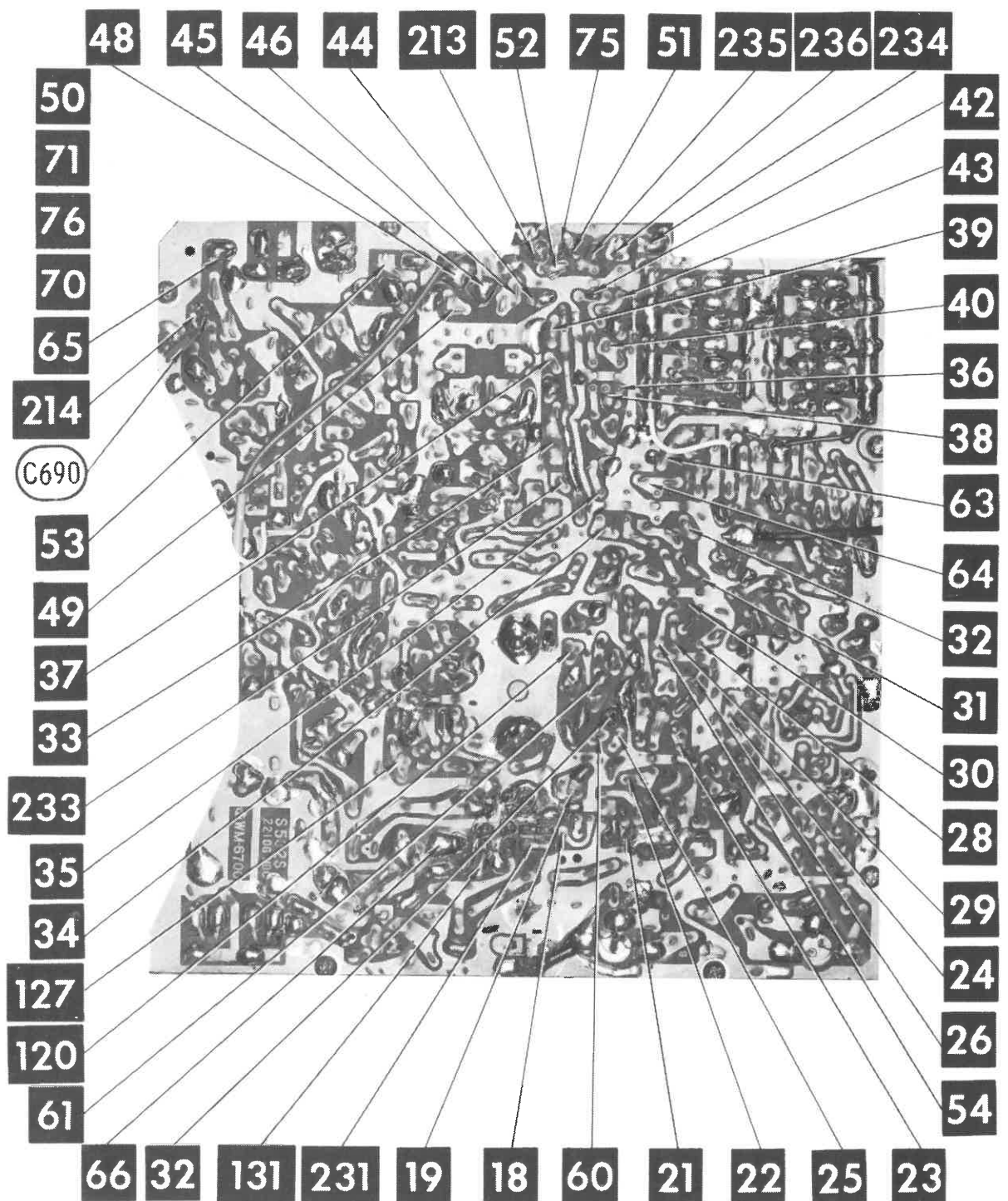


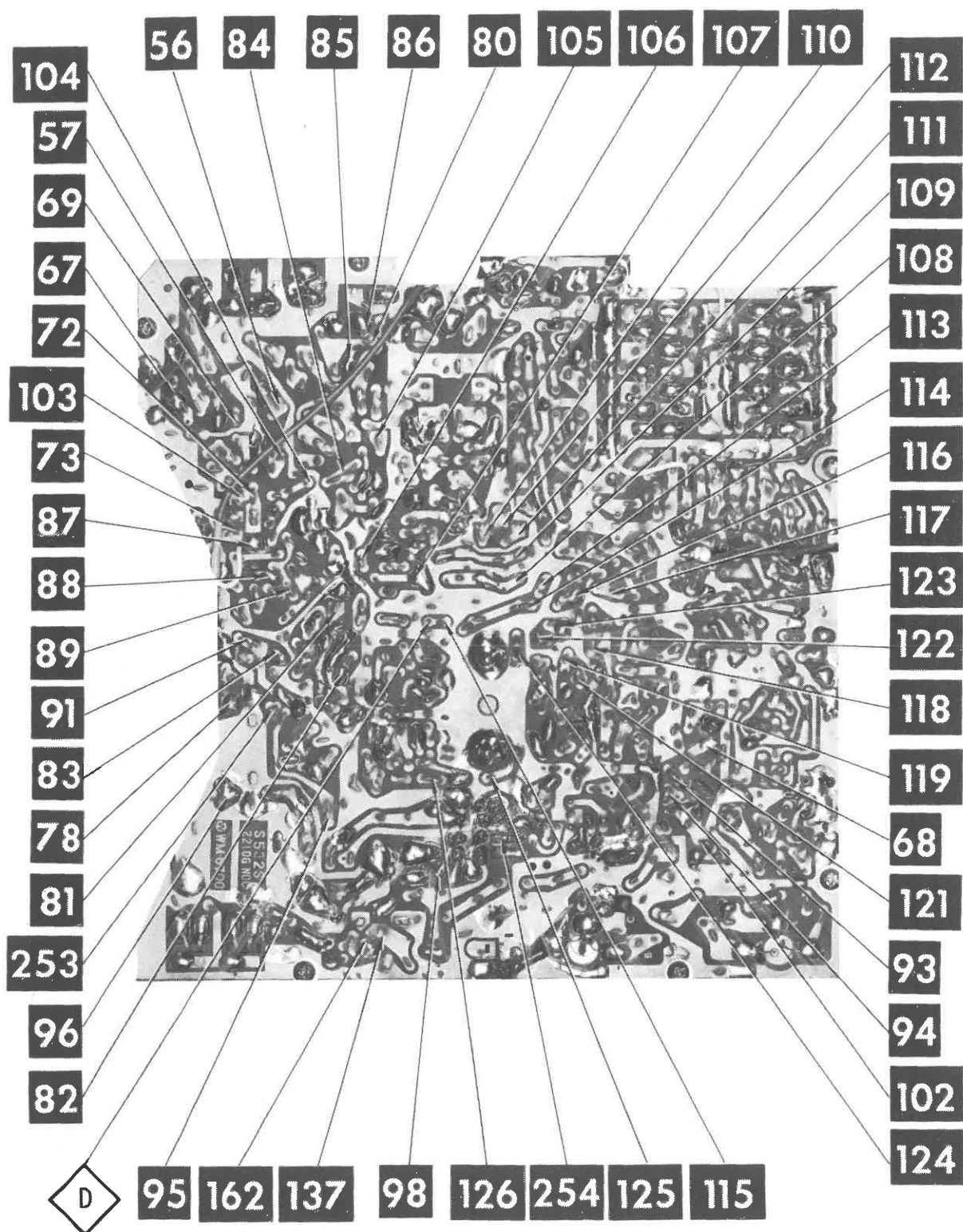


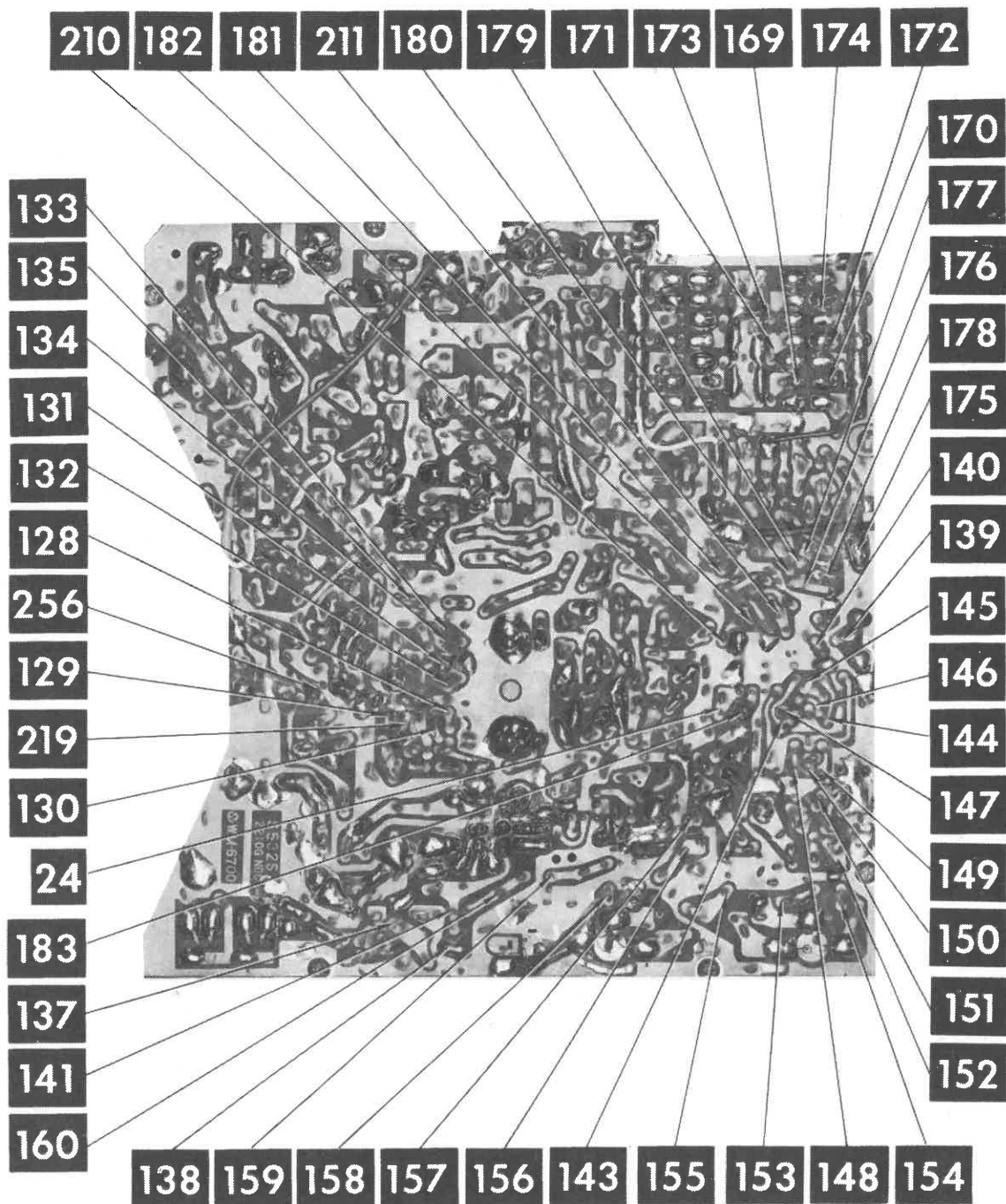


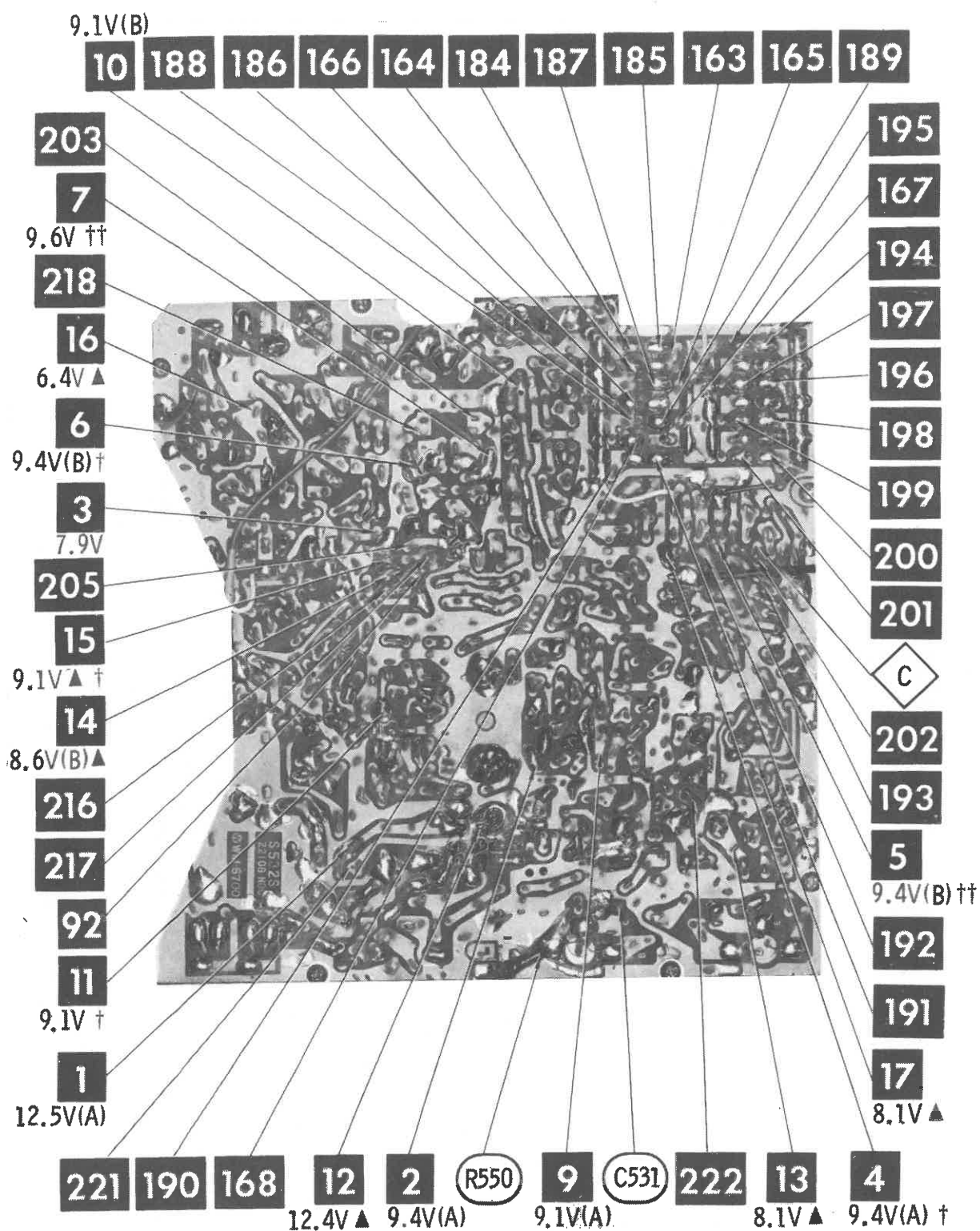


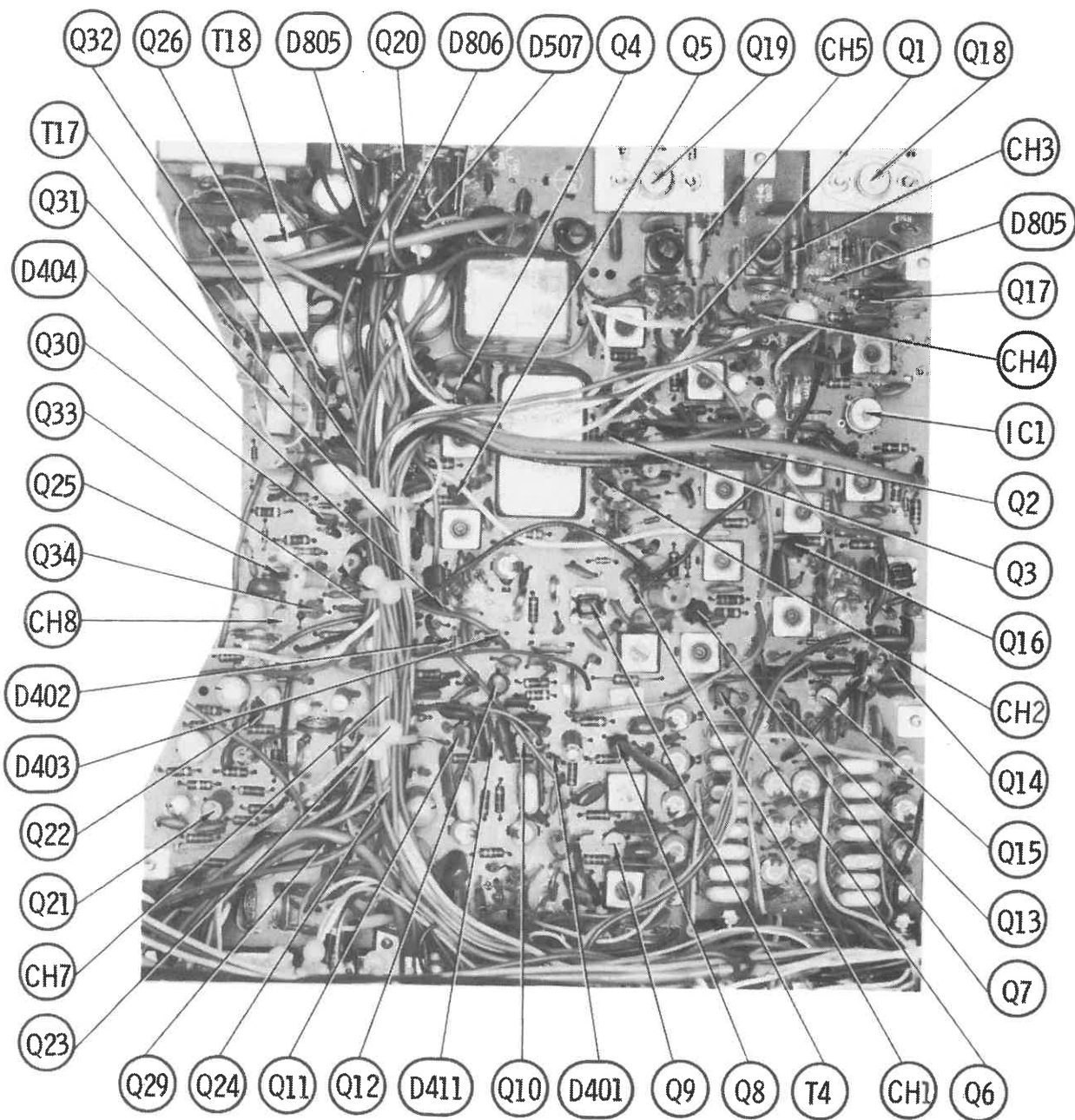


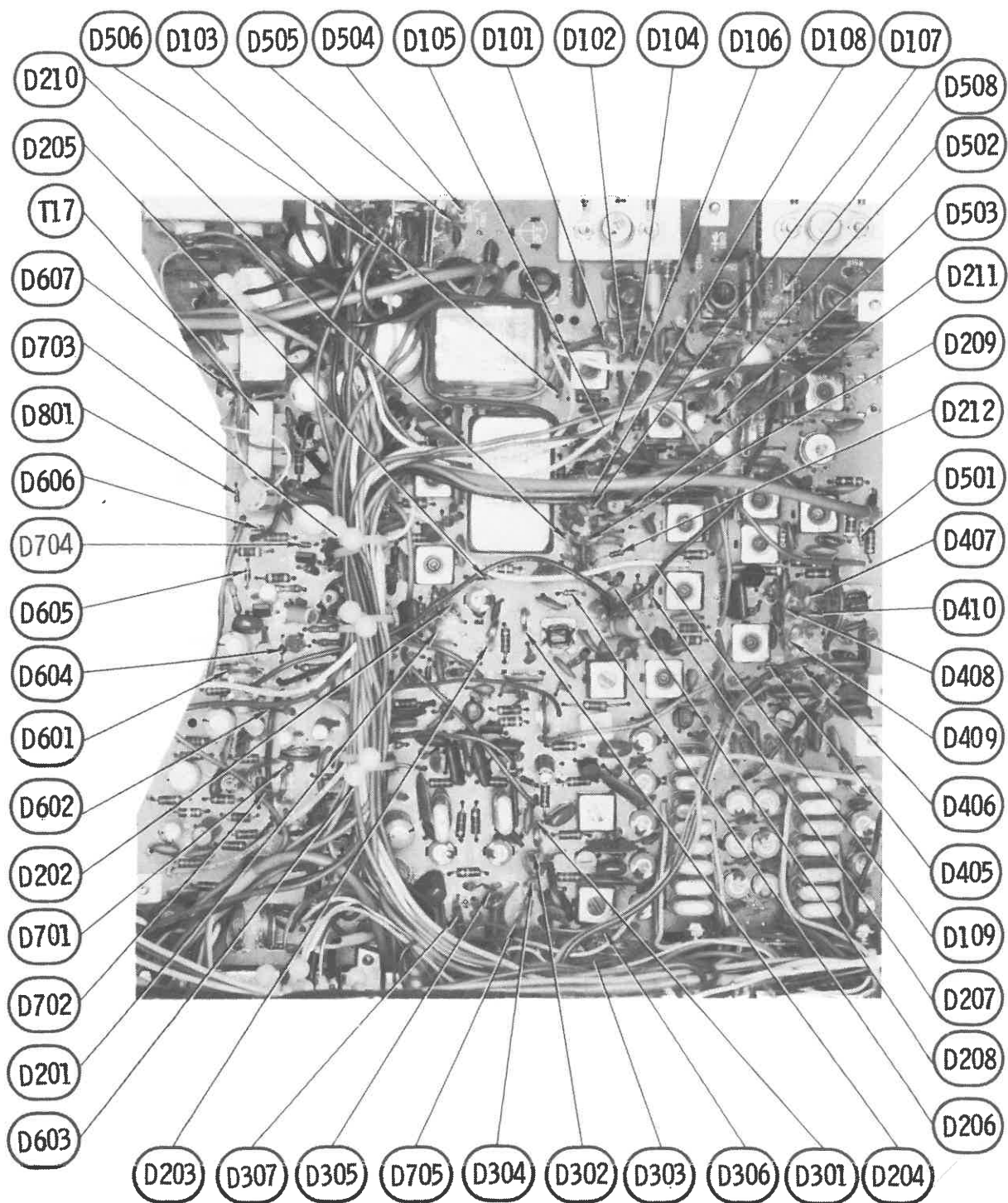




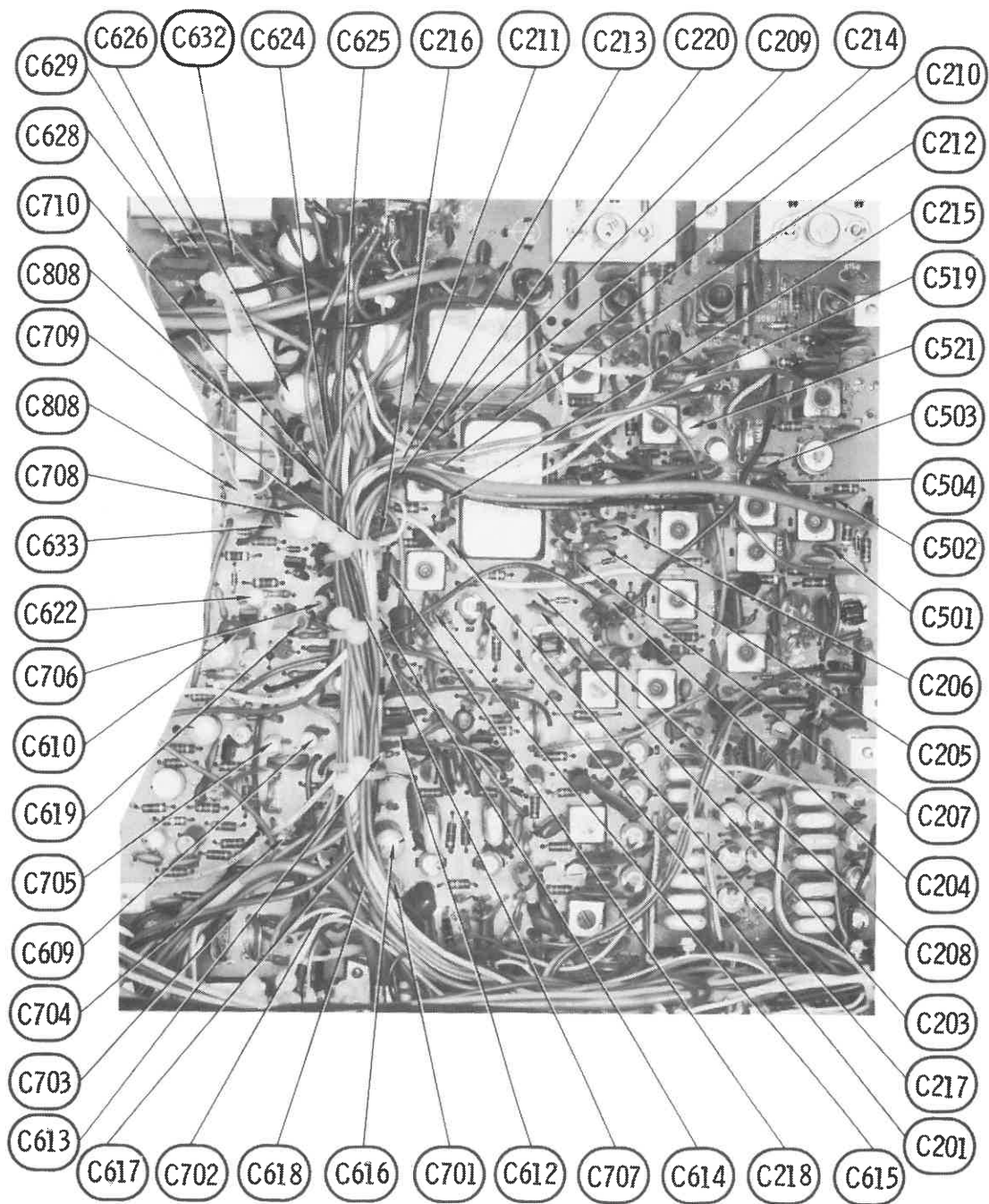


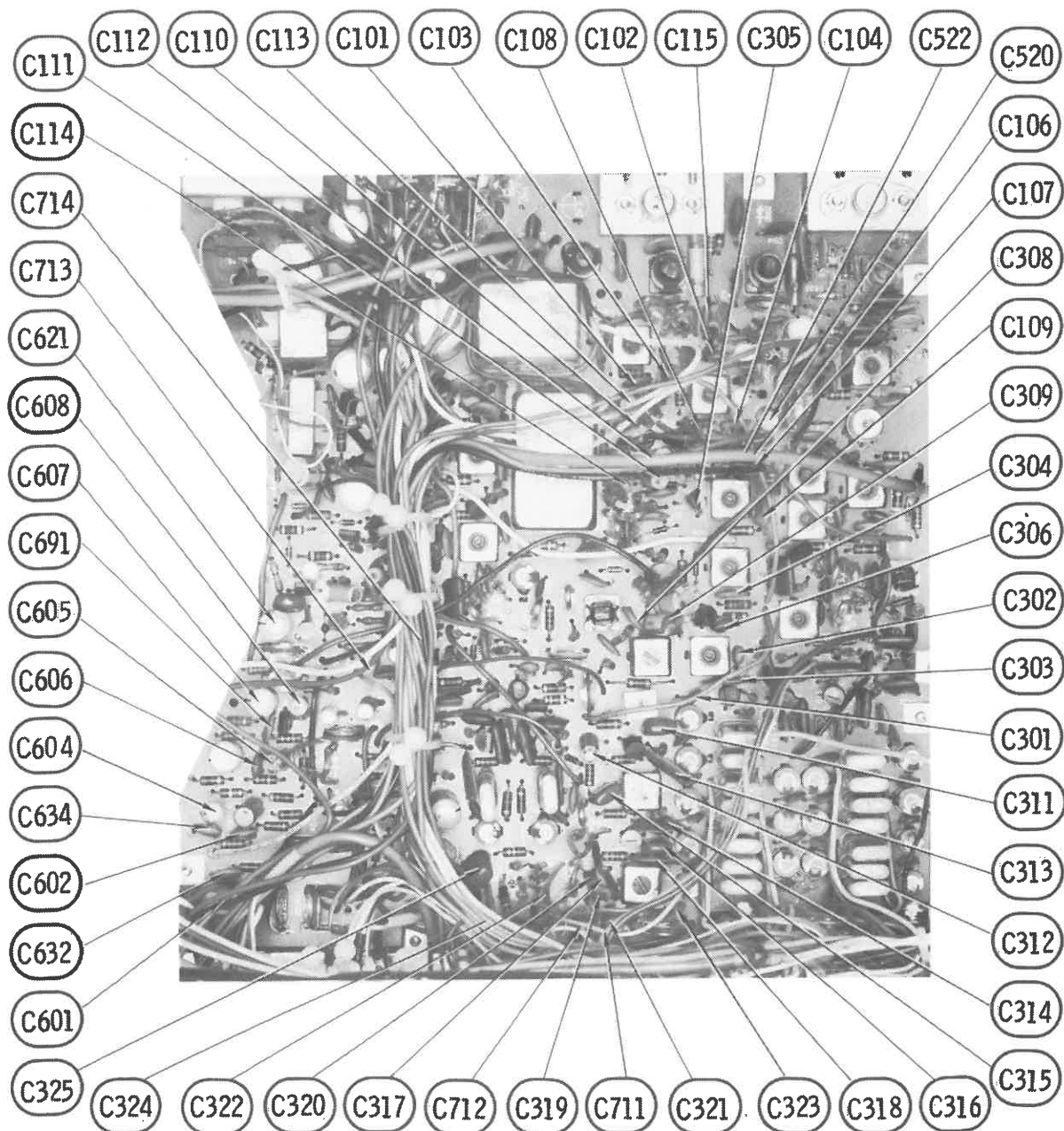


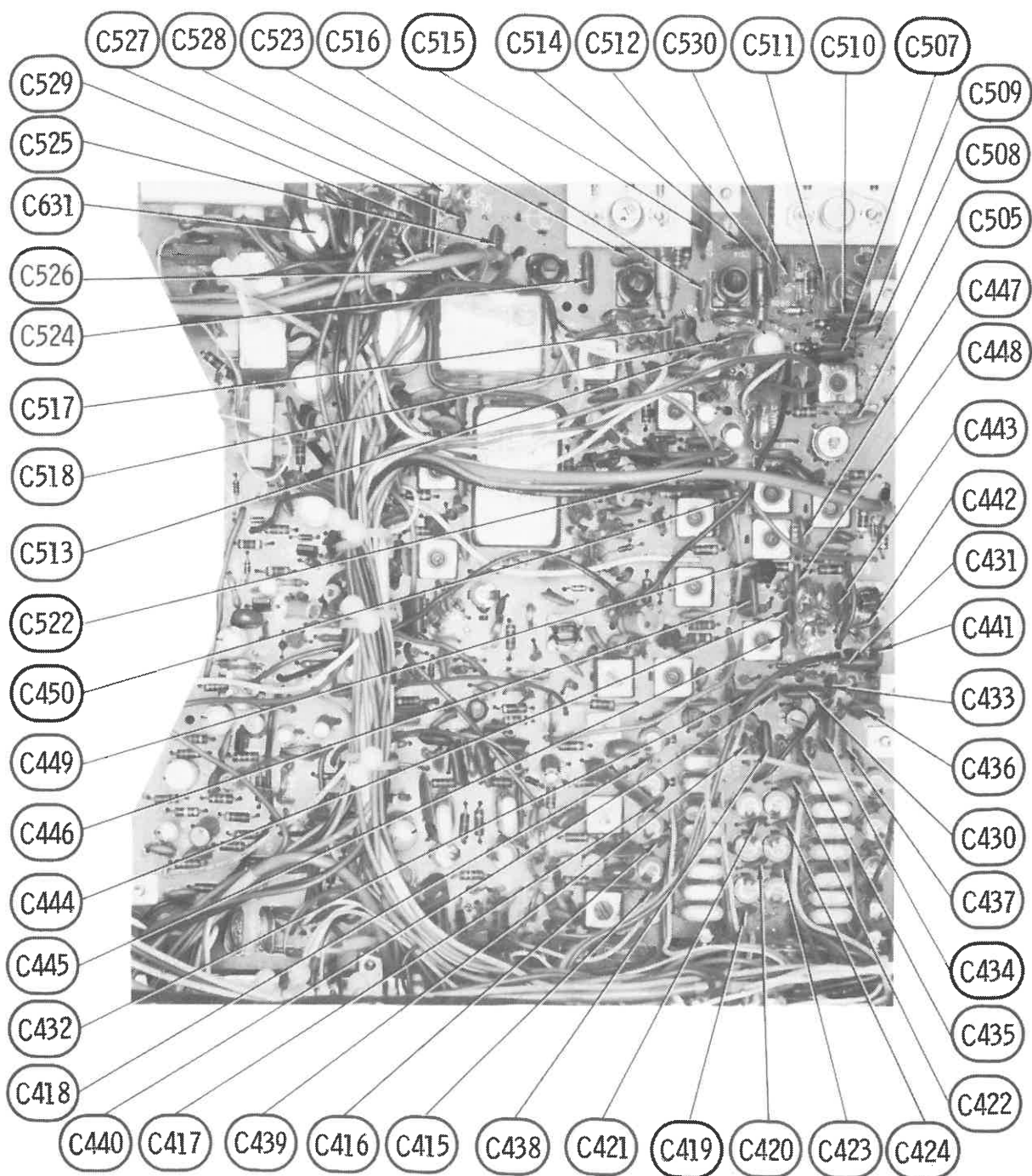


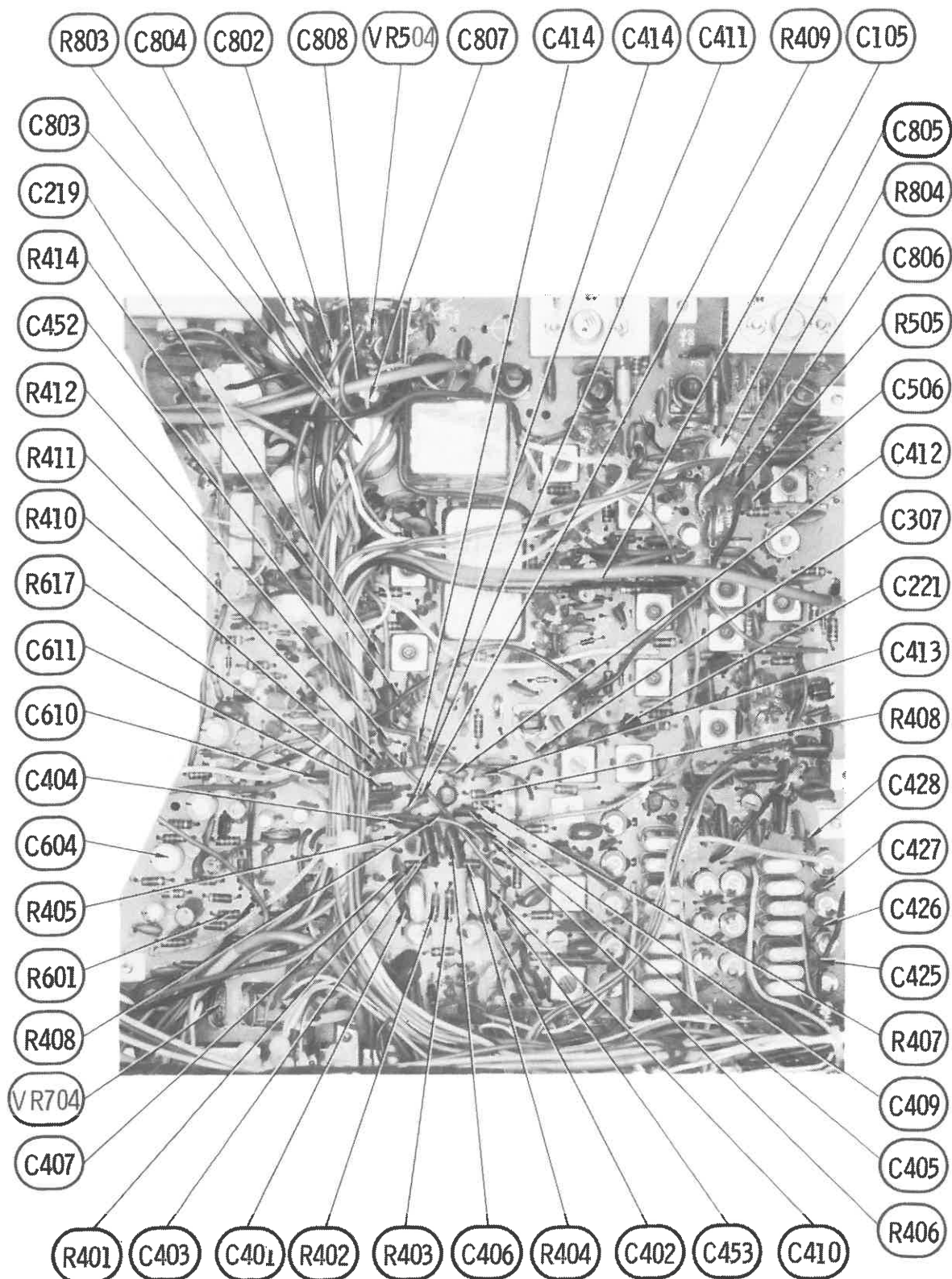


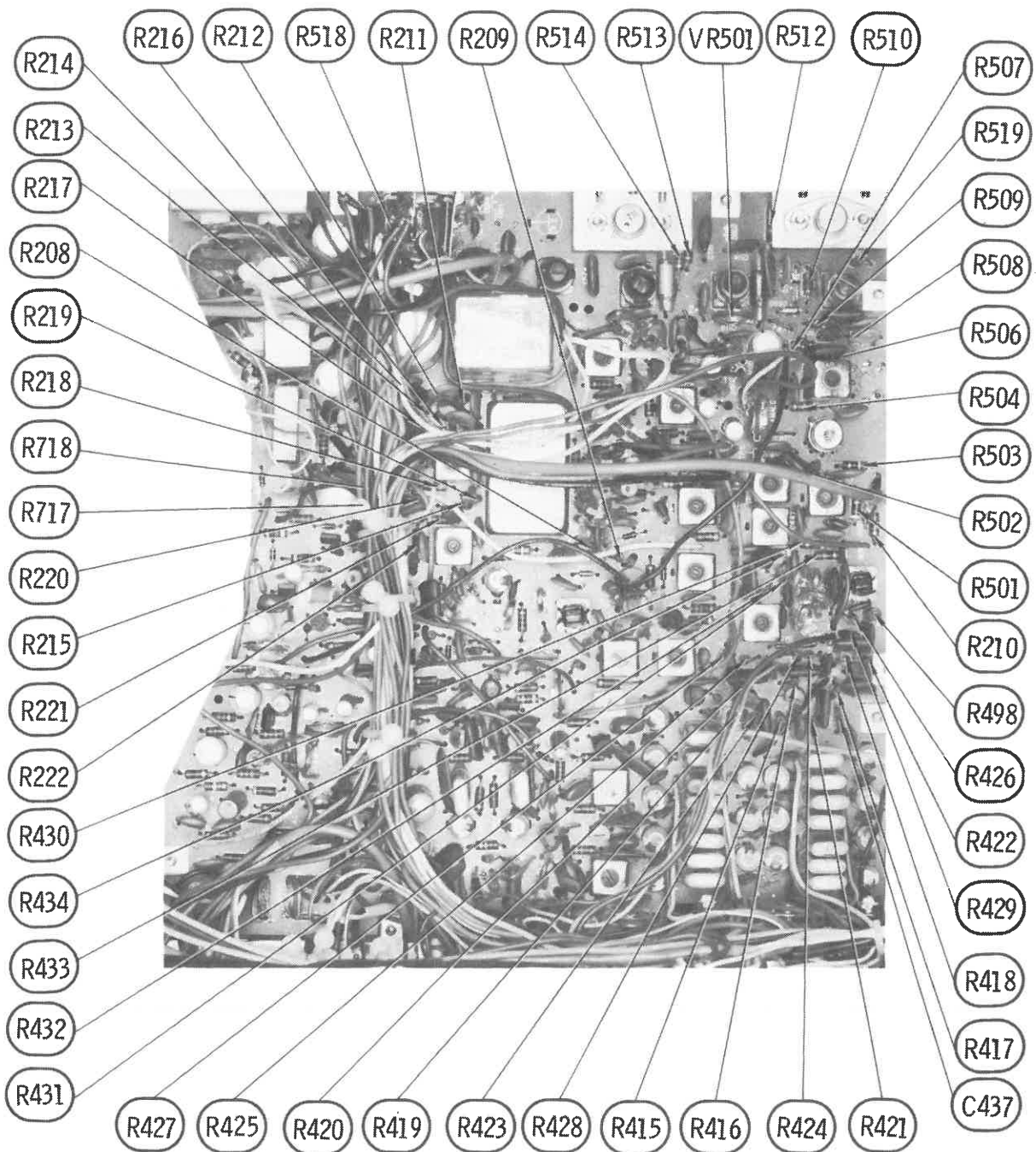
SBE MODEL SBE-8CB

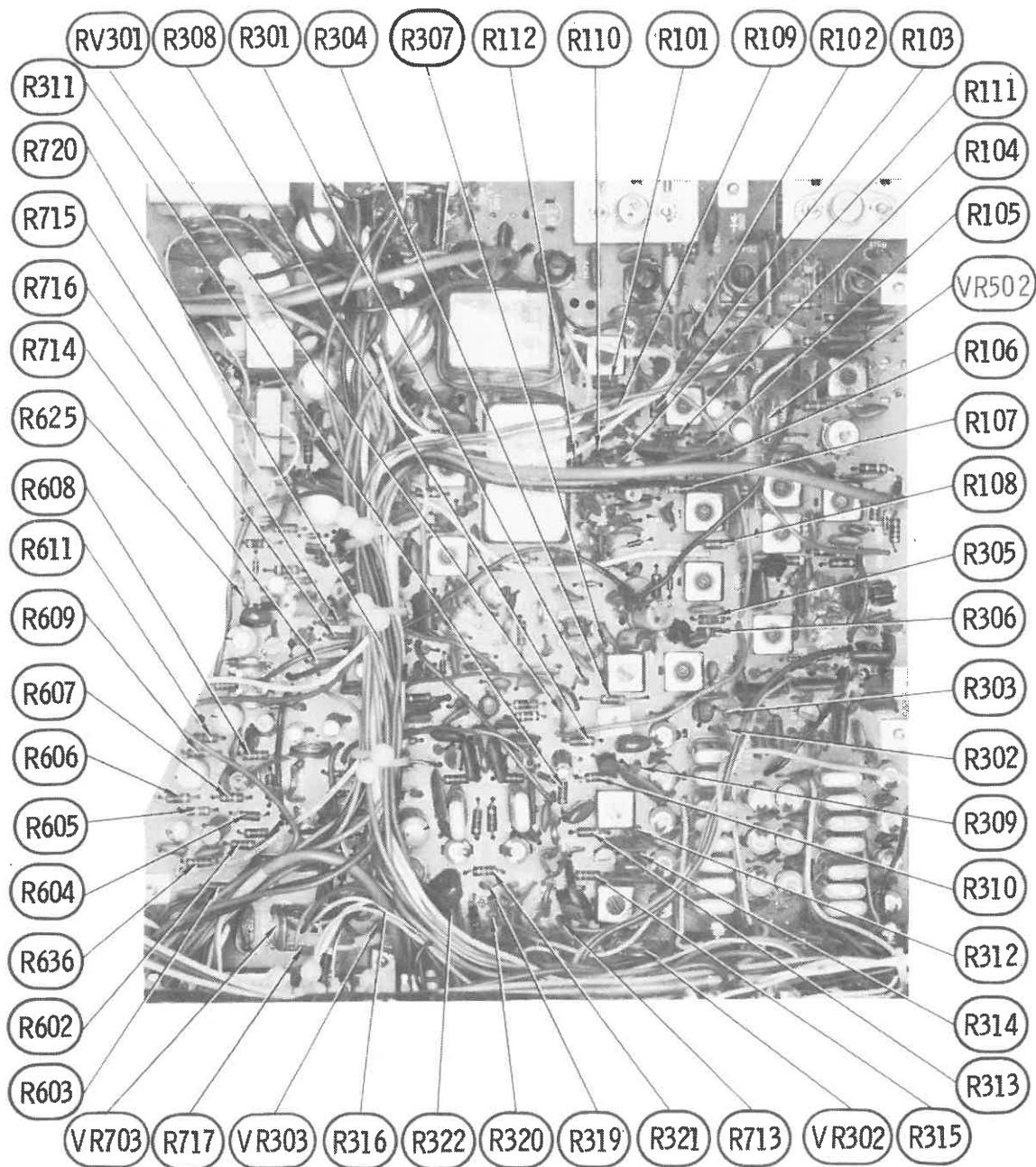


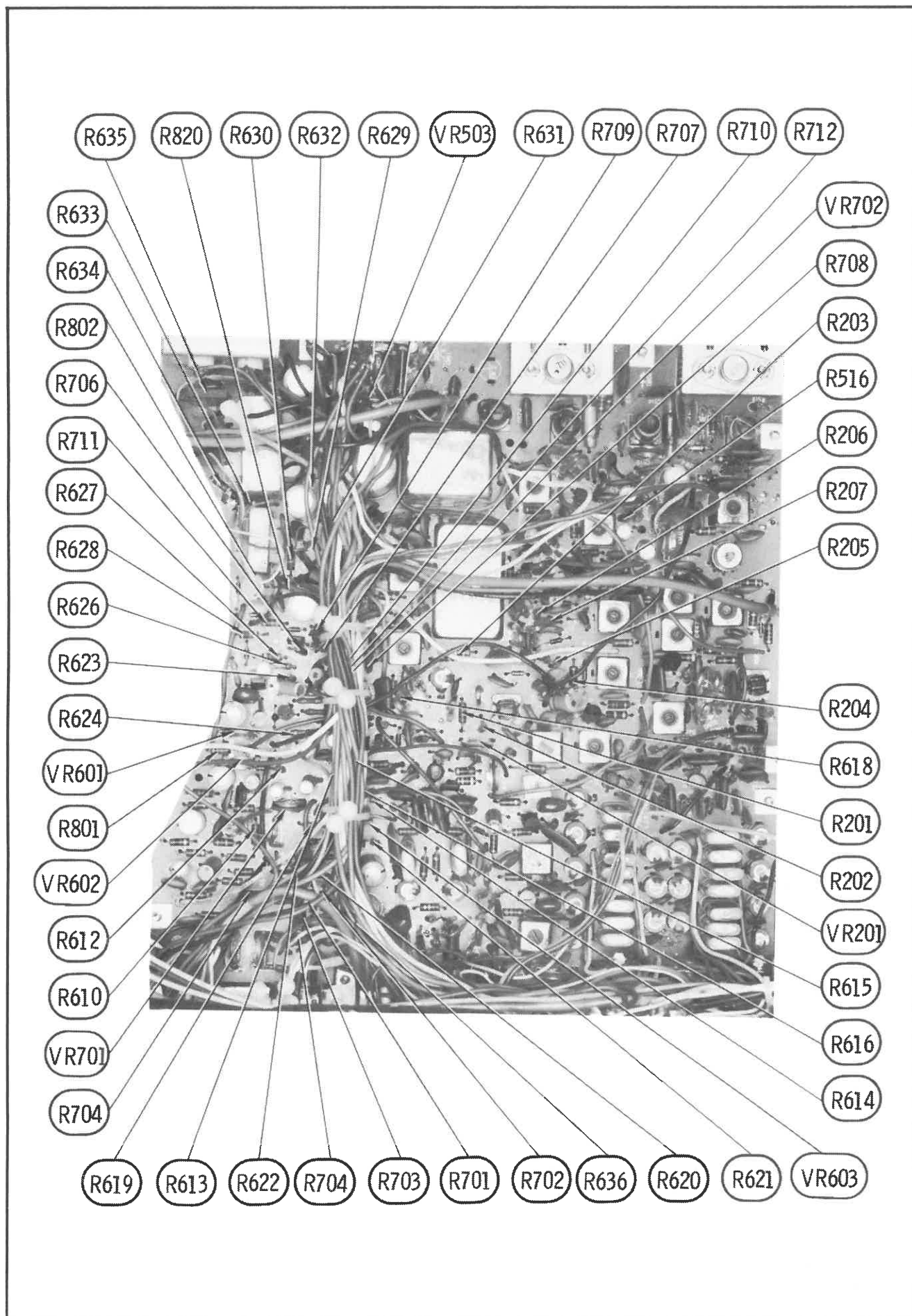


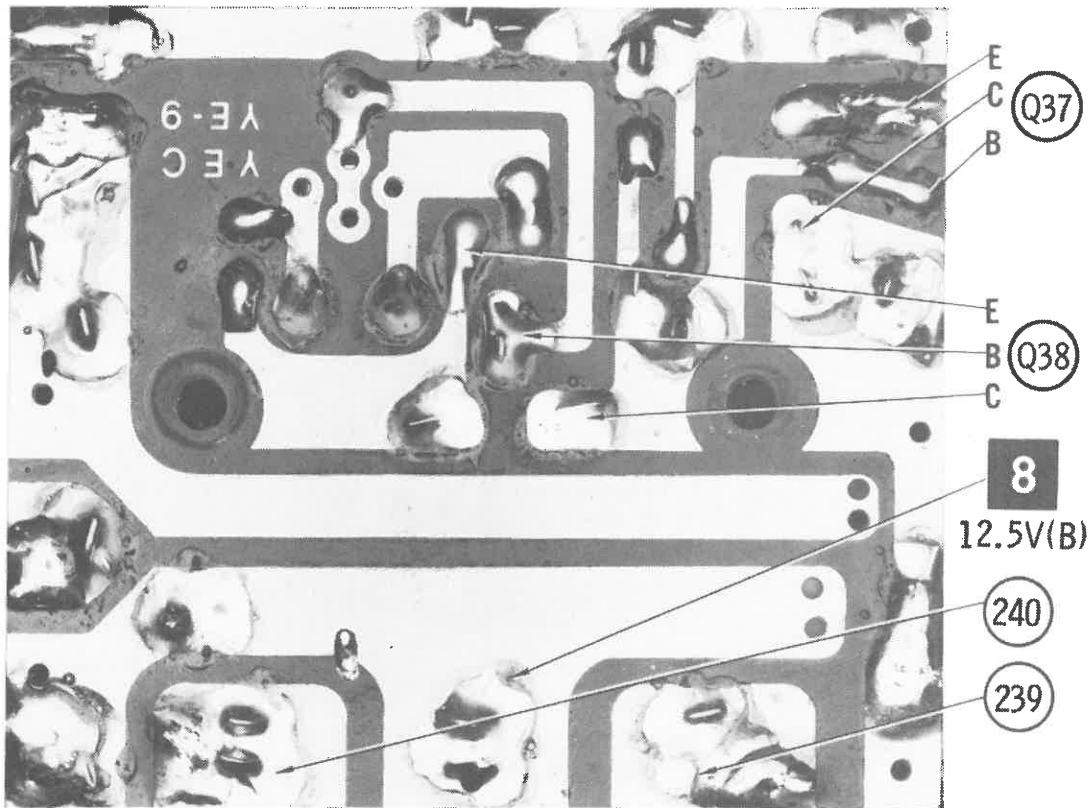




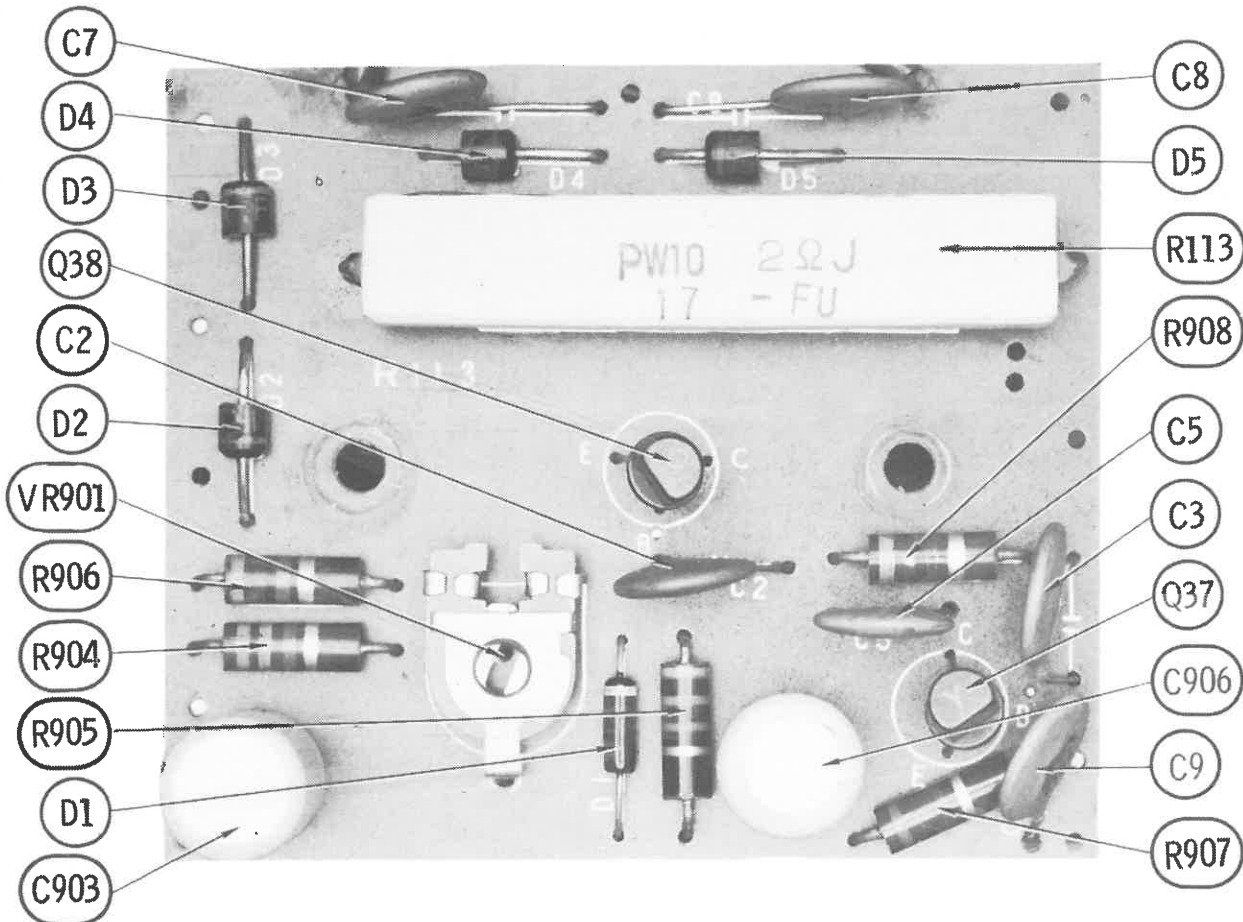


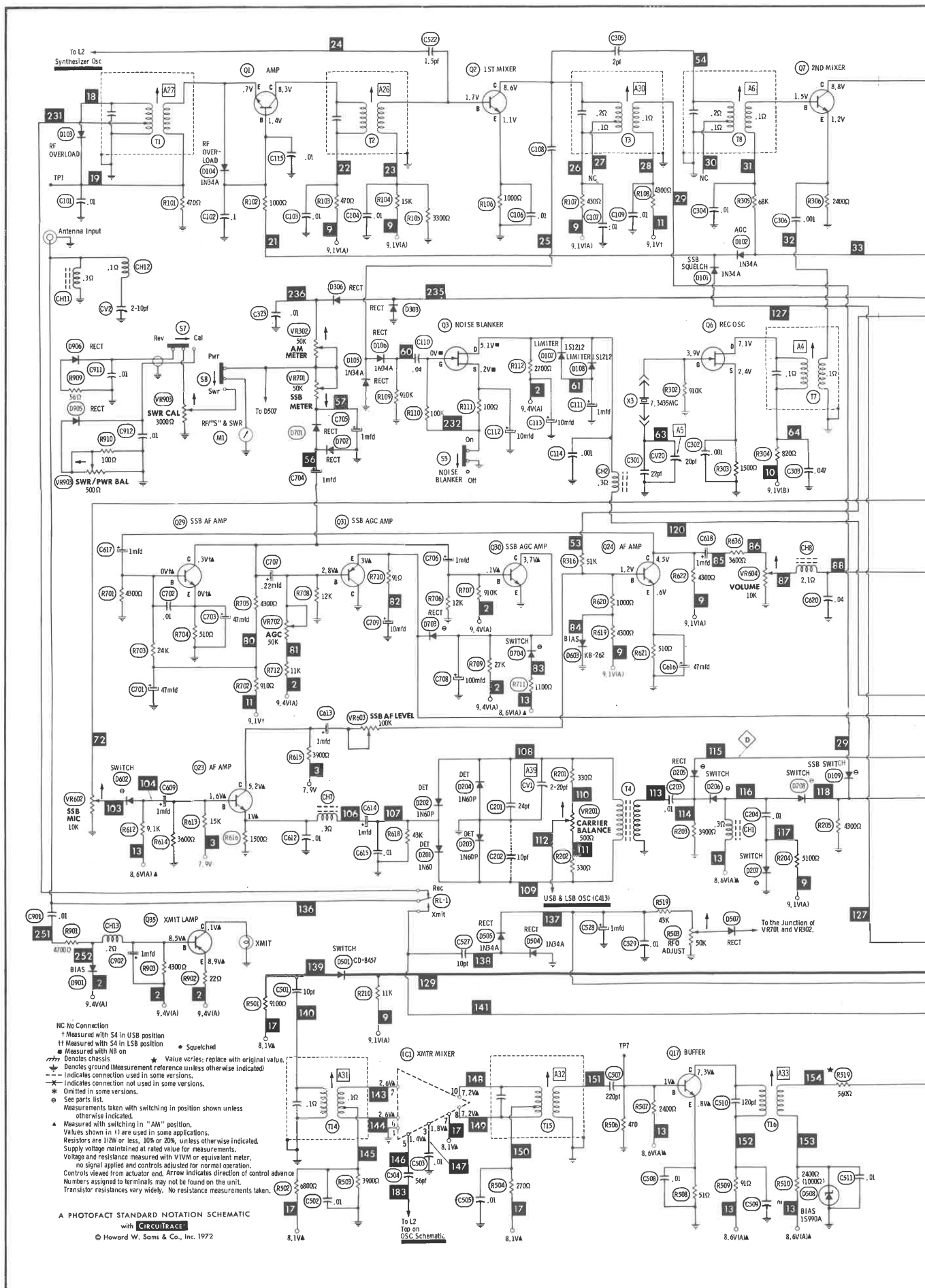


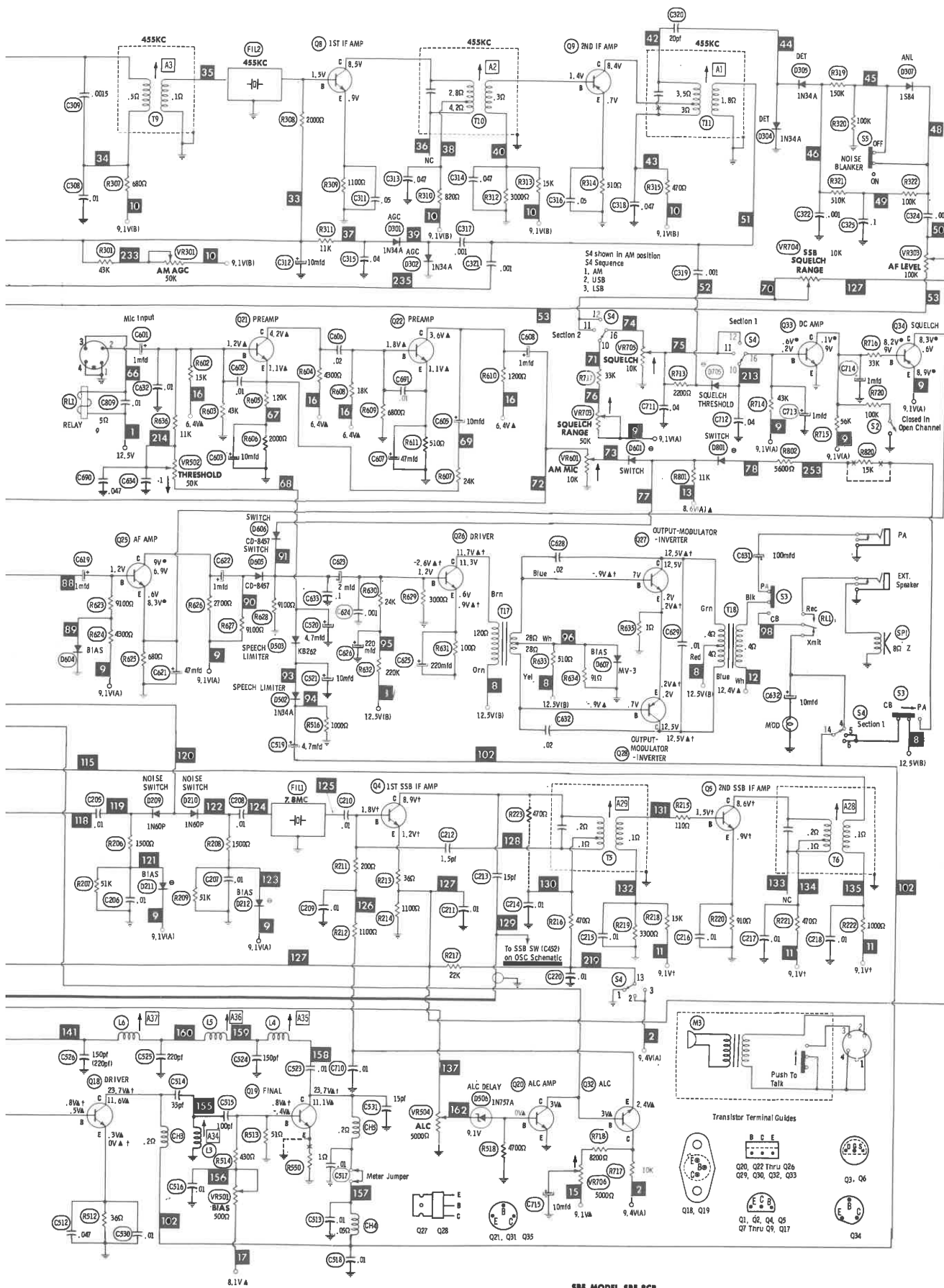




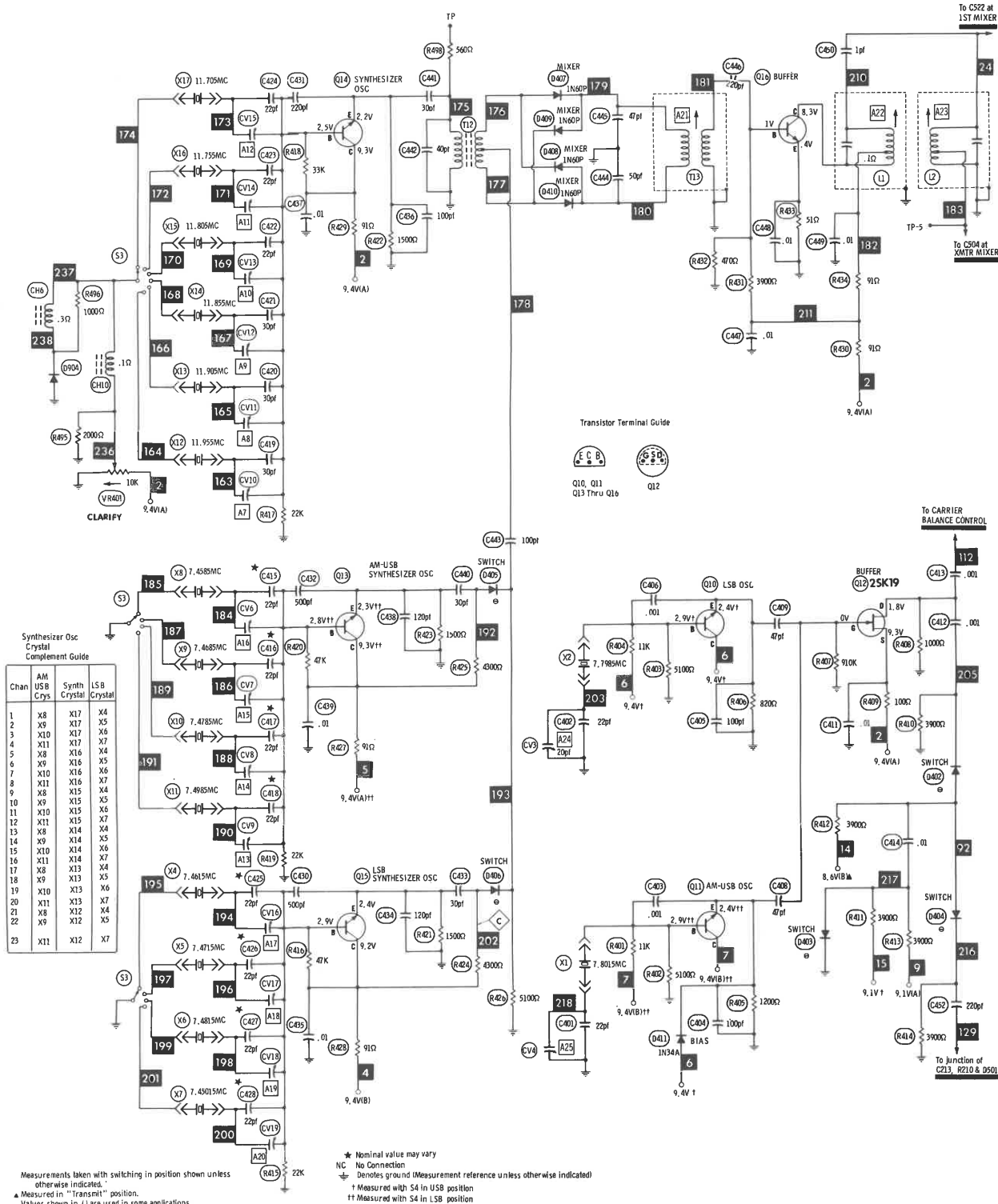
SBE MODEL SBE-8CB

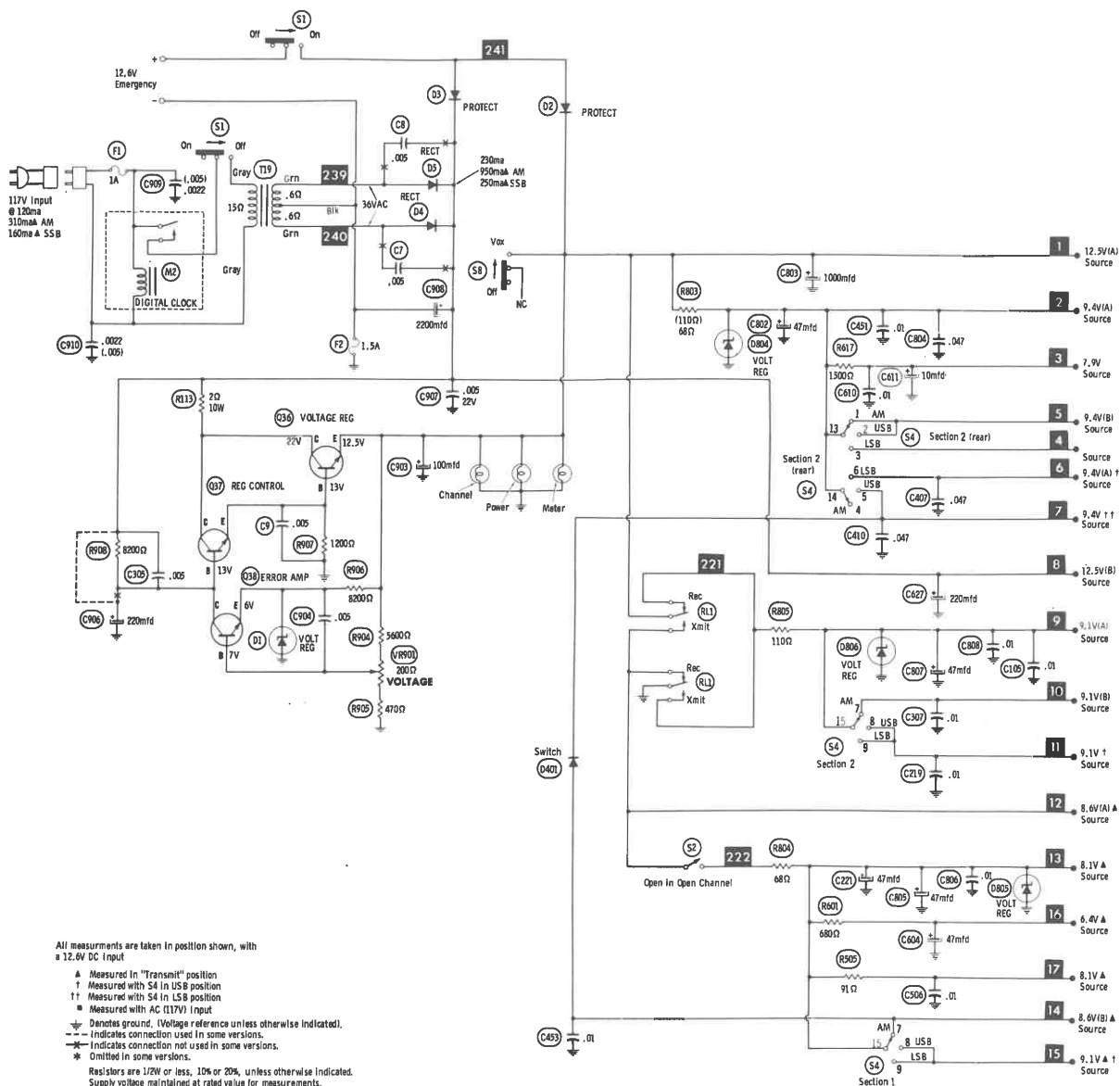






SBE MODEL SBE-8CB





All measurements are taken in position shown, with a 12.6V DC Input

- ▲ Measured in "Transmit" position
- † Measured with S4 in USB position
- †† Measured with S4 in LSB position
- Measured with AC (117V) Input

⊕ Denotes ground. (Voltage reference unless otherwise indicated).
 --- Indicates connection used in some versions.
 - - - Indicates connection not used in some versions.
 * Omitted in some versions.

Resistors are 1/2W or less, 10% or 20%, unless otherwise indicated.
 Supply voltage maintained at rated value for measurements.
 Voltage and resistance measured with VTVM or equivalent meter,
 no signal applied and controls adjusted for normal operation.
 Arrow on control indicates direction of advance.
 Numbers assigned to terminals may not be found on the unit.
 Transistor resistances vary widely. No resistance measurements taken.

A PHOTOFAC STANDARD NOTATION SCHEMATIC
 with CIRCUITRACE
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SBE MODEL SBE-8CB

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
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)
	8496 3-Conductor, 1 Shielded, for Press-to-Talk (Vinyl)
Ignition Noise Suppression	Use BELDEN No. 7300-Series Spark-Plug Sets
Bonding Strap	Use BELDEN No. 8661 (3/8 In.)

SEMICONDUCTORS

ITEM No.	TYPE No.	MFG. PART No.	REPLACEMENT DATA				
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SYLVANIA PART No.
D1	1S331	8000-00004-239	GEZD 6.2		PTC503	SK3058	ECG 137
D2	10D1	8000-00004-068	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D3	10D1	8000-00004-068	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D4	10D4	8000-00004-068	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D5	10D4	8000-00004-068	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D101	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D102	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D103	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D104	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D105	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D106	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D107	1S1212	8000-00004-061	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D108	1S1212	8000-00004-061	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D109	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D201	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D202	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D203	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D204	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D205	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D206	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D207	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D208	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D209	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D210	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D211	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D212	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D301	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D302	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D303	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D304	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D305	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D306	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109
D307	1S84	8000-00004-064	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117
D401	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D402	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D403	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D404	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D405	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D406	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177
D407	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D408	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D409	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D410	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109
D411	1N34A	8000-00004-063	1N34AS	1N34A	PTC206	SK3087	ECG 109

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (cont)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA					
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SYLVANIA PART No.	MOTOROLA PART No.
D501	860011	060 8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D502	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D503	KB262	8000-00004-066						
D504	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D505	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D506	1N757A	8000-00004-065	GEZD-9.1		PTC505	SK3060	ECG 139	
D506	1N757A	8000-00004-065	GEZD-9.1		PTC505	SK3060	ECG 139	
D507	15122	8000-00004-061						
D508	1S990A	8000-00004-184	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D601	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D602	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D603	KB262	8000-00004-066						
D604	KB262	8000-00004-066						
D605	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D606	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D607	MV-3	8000-00004-067	GE-504A	8D4 or 5A4D	PTC201 or PTC202	SK3030 or SK3031	ECG 116 or ECG 117	
D701	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D702	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D703	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D704	860011	8000-00004-062	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D705	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D801	860011	8000-00004-062	GE-300	D200	PTC214	SK3100	ECG 177	
D804	1N757A	8000-00004-065	GEZD-9.1		PTC505	SK3060	ECG 139	
D805	1N757A	8000-00004-065	GEZD-9.1		PTC505	SK3060	ECG 139	
D806	1N757A	8000-00004-065	GEZD-9.1		PTC505	SK3060	ECG 139	
D901	1N34A	8000-00004-060	1N34AS	1N34A	PTC206	SK3087	ECG 109	
D904	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109	
D905	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109	
D906	1N60P	8000-00004-063	1N60	1N60	PTC206	SK3088	ECG 109	
IC1	(TA-7045-M)							
Q1	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 725 ECG 123A	HEP56
Q2	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q3	2SK30 (2SK17)	(8000-00004-080)	GE-FET-1	FE-100	PTC152	SK3116	ECG 133	HEP802
Q4	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q5	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q6	2SK19(GB)	8000-00004-081	GE-FET-1	FE-100	PTC152	SK3116	ECG 132	HEP802
Q7	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q8	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q9	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q10	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q11	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q12	2SK19GR	8000-00004-081	GE-FET-1	FE-100	PTC152	SK3116	ECG 132	HEP802
Q13	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q14	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q15	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q16	2SC710	8000-00004-079	GE-17	TR-22	PTC126	SK3018	ECG 123A	HEP56
Q17	2SC710 (2SC773)	8000-00004-079 (8000-00004-082)	GE-17	IRTR-62	PTC126	SK3046	ECG 123A	HEP56
Q18	2SC777	8000-00004-083		IRTR-63		SK3047	ECG 128	HEP53002
Q19	2SC778	8000-00004-084		IRTR-65		SK3048	ECG 128	HEP53002

SBE MODEL SBE-8CB

PARTS LIST AND DESCRIPTION (CONTINUED)

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

SEMICONDUCTORS (cont)

ITEM No.	TYPE No.	MFRG. PART No.	REPLACEMENT DATA					
			GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MALLORY PART No.	RCA PART No.	SYLVANIA PART No.	MOTOROLA PART No.
Q20	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q21	2SD77B	8000-00004-086	GE-8	TR-08	PTC108	SK3010	ECG 103A	HEP641
Q22	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q23	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q24	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q25	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q26	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q27	2SC1014	8000-00004-087	GE-28	IRTR-55		SK3054	ECG 186	HEPS3020
Q28	2SC1014	8000-00004-087	GE-28	IRTR-55		SK3054	ECG 186	HEPS3020
Q29	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3020	ECG 123A	HEP53
Q30	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3020	ECG 123A	HEP53
Q31	2SB77B	8000-00004-088	GE-2	TR-14	PTC109	SK3004	ECG 102A	HEP633
Q32	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3020	ECG 123A	HEP53
Q33	2SC458C	8000-00004-085	GE-10	TR-25	PTC123	SK3020	ECG 123A	HEP53
Q34	2SA495 (XA495)	(8000-00004-089)	GE-21	TR-19	PTC103	SK3114	ECG 159	HEP52
Q35	2SB77B	8000-00004-088	GE-2	TR-14	PTC109	SK3004	ECG 102A	HEP633
Q36	2SC494	8000-00004-241	GE-14	TR-26		SK3027	ECG 130	HEP247
Q37	2SC735	8000-00004-242	GE-20	TR-25	PTC123	SK3122	ECG 123A	HEP53
Q38	2SC371	8000-00004-243	GE-17	IRTR-51	PTC123	SK3122	ECG 123A	HEP50

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	MFRG. PART No.	REPLACEMENT DATA						
			AEROVOX PART No.	ARCO PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C111	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C112	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C113	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C221	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C312	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C519	4.7 35V	8000-00004-030	MCD-50	RME-B-H-005	EP50-5	WBR5-50	MT1-3	MTV5CB50	TE-1303
C520	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C521	4.7 35V	8000-00004-030	MCD-50	RME-B-H-005	EP50-5	WBR5-50	MT1-3	MTV5CB50	TE-1303
C528	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C601	1 50V	8000-00004-004	MCD-10	RME-A-J-001	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C603	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C604	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C605	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C607	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C608	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C609	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C611	10 10V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C613	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C614	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C616	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C617	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C618	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C619	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C621	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C622	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C623	.22 16V	8000-00004-043						TDC224M050EL	150D224X9015A2
C625	220 16V	8000-00004-044	CRE481A	ME-6-E-200	EA15-250	WBR250-16	MT1-23	MTV200DE15	TE-1164
C626	220 16V	8000-00004-044	CRE481A	ME-6-E-200	EA15-250	WBR250-16	MT1-23	MTV200DE15	TE-1164
C631	100 16V	8000-00004-046	MCD-180	RME-E-E-100	EP15-100	WBR100-16	MT1-19	MTV100CD15	TE-1162
C632	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C701	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C703	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C704	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C705	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C706	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C707	.22 16V	8000-00004-043						TDC224M050EL	150D224X9015A2
C708	100 16V	8000-00004-046	MCD-180	RME-E-E-100	EP15-100	WBR100-16	MT1-19	MTV100CD15	TE-1162
C709	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C713	4.7 35V	8000-00004-030	MCD-50	RME-B-H-005	EP50-5	WBR5-50	MT1-3	MTV5CB50	TE-1303
	1 25V	8000-00004-004							
C714	1 50V	8000-00004-004	MCD-10	RME-A-J-001	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C715	10 16V	8000-00004-005	MCD-70	RME-B-E-010	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C802	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C803	1000 16V	8000-00004-049	PRS1230	RME-N-E-1000	EA15-1000	WBR1000-16	QT1-32	TC15018	TL-1166.5
C805	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C807	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C808	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
C902	1 16V	8000-00004-042	MCD-10	RME-A-E-001	EP15-2	WBR1-50	MT1-1	MTV1CB50	TE-1148
C903	100 25V	8000-00004-238	CRE900A	RME-J-H-100	EA50-100	WBR100-35	MT1-20	MTV100DB35	TE-1309
C906	47 16V	8000-00004-009	MCD-130	RME-E-E-050	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1160
	220 25V	8000-00004-236							
C908	2200 35V	8000-00004-237	PRS1296	ME-G2000		WBR2000-25		TC2520	TL-1220

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	ARCO/ELMENDO PART No.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C3	.005		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C5	.005		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C7	.005		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C8	.005		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C9	.005		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C101	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C102	.1		TTP-1		CK-104		TA010	TG-P10
C103	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C104	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C105	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C106	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C107	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C108	3		ADM-15-050	DM5-CC030	CK-103	MGP01	TA110	TG-S10
C109	.01		TTP-01	CCD-103	CK-103	MGP01	SX550	MS-55
C110	.04				DD-403		TA110	TG-S10
C114	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C115	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C201	24		ADM-15-240	DM5-CC240	CPR-24J		SX424	MS-424
C203	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C204	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C205	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C206	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C207	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C208	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C209	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C210	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C211	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C212	1.5		GPD C0J1R5D		DTZ-1R5	NPO1P5	CNO515	10TCC-V15
C213	15		ADM-15-150	DM5-CC150			SX415	MS-415
C214	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C215	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C216	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C217	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C218	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C219	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C220	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C301	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C302	.001		TTP-005	CCD-502	CK-502	MGP005	TA250	TG-D50
C303	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C304	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C305	2							
C306	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C307	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C308	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C309	.0015				CPR-1500J		SX215	MS-215
C311	.05		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C313	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C314	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C315	.04				DD-403		GP140	
C316	.05		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C317	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C318	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C319	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C320	20				CPR-20J		SX420	MS-420
C321	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C322	.001		ADM-20-102	DM-15-102	CPR-1000J		SX210	MS-21
C323	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C324	.002		GPD X5F202K	CCD-202	DM-202	GP2000	GP220	2SS-D20
C325	.1		TTP-1		CK-104		TA010	TG-P10
C401	22		ADM-15-220	DM5-CC200	CPR-22J		SX422	MS-422
C402	22		ADM-15-220	DM5-CC200	CPR-22J		SX422	MS-422
C403	.001		ADM-20-102	DM-15-102	CPR-1000J		SX210	MS-21
C404	100		ADM-15-101	DM5-FY101	CPR-100J		SX310	MS-31
C405	100		ADM-15-101	DM5-FY101	CPR-100J		SX310	MS-31
C406	.001		ADM-20-102	DM-15-102	CPR-1000J		SX210	MS-21
C407	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C408	47		ADM-15-470	DM5-EC470	CPR-47J		SX447	MS-447
C409	47		ADM-15-470	DM5-EC470			SX447	MS-447
C410	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C411	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C412	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C413	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C414	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C415	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C416	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C417	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C418	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C419	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C420	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C421	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C422	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C423	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C424	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C425	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C426	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C427	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C428	22			CCT0-200	DTZ-20	NPO20	CNO420	10TCC-Q20
C430	500		ADM-15-501	DM-15-501				MS-35
C431	220		ADM-15-221	DM5-FY221	CPR-220J		SX322	MS-322
C432	500		ADM-15-501	DM-15-501				MS-35
C433	30		ADM-15-300	DM5-EC300	CPR-30J		SX430	MS-43
C434	120		ADM-15-121	DM5-CC200	CPR-120J		SX312	MS-312
C435	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C436	100		ADM-15-100J	DM5-FY101	CPR-100J		SX310	MS-31
C437	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C438	120		ADM-15-121	DM5-FY121	CPR-120J		SX312	MS-312
C439	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C440	30		ADM-15-300	DM5-EC300	CPR-120J		SX430	MS-43
C441	30		ADM-15-300	DM5-EC300	CPR-120J		SX430	MS-43
C442	40		ADM-15-390	DM5-EC390	CPR-39J		SX439	MS-439

SBE MODEL SBE-8CB

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	ARCO/ELMenco PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.
C443	100		ADM-15-100J	DMS-FY101	CPR-100J		SX310	MS-31
C444	47		ADM-15-470	DMS-EC470	CPR-47J		SX447	MS-447
C445	50		ADM-15-500	DMS-EC500				MS-45
C446	220		ADM-15-221	DMS-FY221	CPR-220J		SX322	MS-322
C447	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C448	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C449	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C450	1		GPD COJ1R0D		TCZ-1		CN0510	10TCC-V10
C451	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C452	220		ADM-15-221	DMS-FY221	CPR-220J		SX322	MS-322
C453	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C501	10		ADM-15-100	DMS-CC100			SX410	MS-41
C502	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C503	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C504	56		ADM-15-560	DMS-EC560	CPR-56J		SX456	MS-456
C505	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C506	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C507	220		ADM-15-221	DMS-FY221	CPR-220J		SX322	MS-322
C508	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C509	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C510	120		ADM-15-121	DMS-FY121	CPR-120J		SX312	MS-312
C511	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C512	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C513	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C514	35		ADM-15-330	DMS-EC360	CPR-33J		SX433	MS-433
C515	100		ADM-15-101	DMS-FY101	CPR-100J		SX310	MS-31
C516	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C517	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C518	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C522	1.5							
C523	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C524	150		ADM-15-151	DMS-FY151	CPR-150J		SX315	MS-315
C525	220		ADM-15-221	DMS-FY221	CPR-220J		SX322	MS-322
C526	150			DMS-FY151				
C527	10		ADM-15-100	DMS-CC100			SX410	MS-41
C529	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C530	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C531	15		ADM-15-150	DMS-CC150			SX415	MS-415
C602	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C606	.02		TTP-02	CCD-203	CK-203	MGP02	TA120	TG-S20
C610	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C612	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C615	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C620	.04			DD-403			GP140	
C624	.001		GPD X5F102K	CCD-102	DM-102	GP1000	SM210	2SS-D10
C628	.02		TTP-02	CCD-203	CK-203	MGP02	TA120	TG-S20
C629	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C632	.02		TTP-02	CCD-203	CK-203	MGP02	TA120	TG-S20
C633	.1		TTP-1		CK-104		TA010	TG-P10
C634	.1		TTP-1		CK-104		TA010	TG-P10
C690	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C691	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C702	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C710	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C711	.04			DD-403			GP140	
C712	.04			DD-403			GP140	
C804	.047		TTP-05	CCD-503	CK-503	MGP05	TA150	TGL-S50
C806	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C808	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C911	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
C912	.01		TTP-01	CCD-103	CK-103	MGP01	TA110	TG-S10
CV1	20	# 8000-00004-050						
CV2	10	# 8000-00004-204						
CV3	20	# 8000-00004-050						
CV4	20	# 8000-00004-050						
CV5								
CV6	20	# 8000-00004-050						
CV7	20	# 8000-00004-050						
CV8	20	# 8000-00004-050						
CV9	20	# 8000-00004-050						
CV10	30	# 8000-00004-051						
CV11	30	# 8000-00004-051						
CV12	30	# 8000-00004-051						
CV13	30	# 8000-00004-051						
CV14	30	# 8000-00004-051						
CV15	30	# 8000-00004-051						
CV16	20	# 8000-00004-050						
CV17	20	# 8000-00004-050						
CV18	20	# 8000-00004-050						
CV19	20	# 8000-00004-050						
CV20	20	# 8000-00004-050						

SBE Part Number

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

ITEM No.	FUNCTION	RESIST-ANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
VR201	Carrier Balance	500	8000 -00004-092	TSV-500(1) or T-500 (1)		X201R501B (1)	MTC52L1 (1)
VR301	AM AGC	50K	8000 -00004-093	TSV-50K (1) or T-50K (1)		X201R503B (1)	MTC54L1 (1)
VR302	AM Meter Adjust	50K	8000 -00004-093	TSV-50K (1) or T-50K (1)		X201R503B (1)	MTC54L1 (1)
VR303	AF Level	100K		TSV-100K (1) or T-100K (1)		X201R104B (1)	MTC15L1 (1)
VR401	Clarifier	10K		F1-10K (2), SSK014	A47-10K-S(2), KSS-3 or [NP-10K-S(2), UP-C-400]	Q11-116(2) or [BU1(2),CF9,SS1, DC1]*	RU14L,SL36(2), SL3250 or [UA14L(2),SK750] or U20 (2)

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	RESISTANCE	REPLACEMENT DATA				
			MFGR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS—IRC PART No.	MALLORY PART No.
VR501	Bias	500	8000 -00004-244	TSV-500(1) or T-500 (1)		X201R501B(1)	MTC52L1 (1)
VR502	Threshold	20K		T-20K (1) or TSV-25K (1)		X201R253B (1)	MTC24L1 (1)
	Threshold	50K	8000 (3) -00004-093	TSV-50K (1) or T-50K (1)		X201R503B (1)	MTC54L1 (1)
VR503	RFO Adjust	50K		TSV-50K or T-50K		X201R503B	MTC54L1
VR504	ALC Adjust	5000	8000 -00004-211	TSV-5K or T-5000		X201R502B	MTC53L1
VR601	AM Mic	10K	8000 -00004-096	TSV-10K or T-10K		X201R103B	MTC14L1
VR602	SSB Mic	10K	8000 -00004-096	TSV-10K or T-10K		X201R103B	MTC14L1
VR603	SSB AF Level	100K	8000 -00004-094	TSV-100K or T-100K		X201R104B	MTC15L1
VR705	Squelch	10K(A)	8000 -00004-098				
VR604	Volume	10K(B)					
VR701	SSB Meter Adjust	50K	8000 -00004-093	TSV-50K(1) or T-50K (1)		X201R503B (1)	MTC54L1 (1)
VR702	AGC	50K	8000 -00004-093	TSV-50K (1) or T-50K (1)		X201R503B (1)	MTC54L1 (1)
VR703	Squelch Range	100K	8000 -00004-094	TSV-100K or T-100K		X201R104B	MTC15L1
VR704	SSB Squelch	10K	8000 -00004-097	TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
VR706	SSB RF Gain	5000					
VR901	Voltage Adjust	200	8000 -00004-245	T-200 (4) or TSV-250 (4)		X201R251B (4)	MTC22L1 (4)
(VR1)							
VR903	SWR Calibrate	5000	8000 -00004-246	F1-5000 (2), SRS008	A47-5000-S(2), KSS-3 or [NP-5000-S(2), UP-C-400]	Q11-114(2) or [BU1(2), CF8, SS3, DC1]*	UA53L(2), SK750 or [RU53L, SL38(2), SK750] or U14(2)
VR904	SWR-PWR Bal	500		TSV-500(1) or T-500 (1)		X201R501B (1)	MTC52L1 (1)

**SNAPTROL"

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

(2) Enlarge mounting hole.

(3) May be used in some versions.

(4) For horizontal mounting, bend the two outside terminals to fit "PC" board. Use jumper wire to connect center terminal to "PC" board.

SBE MODEL SBE-8CB

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R113	2 10W	10W-SQ-1	

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
R635	1 1W	WS1	8000-00004-091

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
Ch1	RF Choke (22uh)	8000-00004-053	16-6022	4626	TA311
Ch2	RF Choke (22uh)	8000-00004-053	16-6022	4626	TA311
Ch3	RF Choke (3uh)	8000-00004-054		74F336AP	T816
Ch4	RF Choke (.65uh)	8000-00004-055	19-2006	4590	T803
Ch5	RF Choke (3uh)	8000-00004-054		74F336AP	T816
Ch6	RF Choke (1uh)	8000-00004-205	19-1000	74F106AP	T855
Ch7	RF Choke (22uh)	8000-00004-053	16-6022	4626	TA311
Ch8	RF Choke (8.2uh)	8000-00004-206	19-1009	74F826AP	T960
Ch10	RF Choke (.22uh)		19-2003	4584	T957
Ch11	RF Choke (22uh)	8000-00004-053	16-6022	4626	TA311
Ch12	RF Choke (.85uh)	8000-00004-059	19-2008	4594	TA812
Ch13	RF Choke (15uh)	8000-00004-056	19-2018	4624	T862
L1	Synthesizer Buffer (Pri)	8000-00004-073			
L2	Synthesizer Buffer (Sec)	8000-00004-074			
L3	Xmtr. Driver	8000-00004-075			
L4	Final	8000-00004-076			
L5	Pi Network	8000-00004-077			
L6	Pi Network	8000-00004-078			
T1	Rec. Antenna Matching	8000-00004-103			
T2	R.F.	8000-00004-104			
T3	Rec. IF	8000-00004-105			
T4	Balanced Modulator Output	8000-00004-106			
T5	SSB IF	8000-00004-107			
T6	SSB IF	8000-00004-108			
T7	Rec. Oscillator	8000-00004-109			
T8	SSB IF	8000-00004-110			
T9	AM Input IF	8000-00004-111			
T10	Interstage IF	8000-00004-112	16-9026	2066	
T11	IF Output	8000-00004-113	16-9028	8515	
T12	Synthesizer Mixer Input	8000-00004-114			
T13	Synthesizer Buffer	8000-00004-115			
T14	Xmtr. Mixer Input	8000-00004-116			
T15	Xmtr. Mixer Output	8000-00004-117			
T16	Xmtr. Driver	8000-00004-118			

PARTS LIST AND DESCRIPTION (CONTINUED)

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

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.	
T17	3	1CT		8000-00004-119				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T18	11.5CT	8	8000-00004-120				

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T19	117VAC @ 310ma	36VAC @ 950ma	8000-00004-027				

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	3-1/2" PM, 8 ohms	8000-00004-209	3505Z8	

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	1A	8000-00004-213		GJV1		318001		
F2	1.5A	8000-00004-212		AGC1-1/2	HKP	31201.5	342014	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
F11 1	Filter, Crystal	8000-00004-138	7.8MC 455KC RF/S/Pwr.
F11 2	Filter, Crystal	8000-00004-139	
M1	Meter	8000-00004-230	
M2	Clock, Digital	8000-00004-217	(Xmit-Rec)
M3	Microphone	8000-00004-153	
RL1	Relay	8000-00004-141	
S1	Switch, Power	8000-00004-208	
S2	Switch, Selector	8000-00004-100	
S3	Switch, PA-CB	8000-00004-101	
S4	Switch, Mode	8000-00004-102	
S5	Switch, Noise Blanker	8000-00004-101	
S7	Switch, Meter	8000-00004-208	
S8	Switch, Cal	8000-00004-208	
S9	Switch, Vox	8000-00004-101	
X1	Crystal	8000-00004-121	7.8015MC
X2	Crystal	8000-00004-122	7.7985MC
X3	Crystal	8000-00004-123	7.3435MC
X4	Crystal	8000-00004-124	7.4615MC
X5	Crystal	8000-00004-125	7.4715MC
X6	Crystal	8000-00004-126	7.4815MC
X7	Crystal	8000-00004-127	7.5015MC
X8	Crystal	8000-00004-128	8.4585MC
X9	Crystal	8000-00004-129	7.4685MC
X10	Crystal	8000-00004-130	7.4785MC
X11	Crystal	8000-00004-131	7.4985MC
X12	Crystal	8000-00004-132	11.705MC
X13	Crystal	8000-00004-133	11.755MC
X14	Crystal	8000-00004-134	11.805MC
X15	Crystal	8000-00004-135	11.855MC
X16	Crystal	8000-00004-136	11.905MC
X17	Crystal	8000-00004-137	11.955MC

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

ITEM	PART No.	ITEM	PART No.
Bezel, Clock	8000-00004-224	Knob, Clarifier	8000-00004-147
Cabinet	8000-00004-221	Knob, Mode	8000-00004-147
Knob, Alarm Selector	8000-00004-231	Knob, Selector	8000-00004-149
Knob, Alarm Set	8000-00004-232	Knob, Squelch	8000-00004-148
		Knob, Volume	