

SAMS PHOTOFACT[®] CB RADIO SERIES



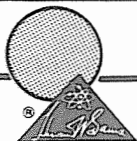
CB-37
37
DECEMBER 1971



CONTENTS

TRADE NAME AND MODEL	PAGE	TRADE NAME AND MODEL	PAGE	TRADE NAME AND MODEL	PAGE
BROWNING		FANON		MIDLAND	
SST.....	5	SFT-900.....	37	13-868.....	93
COURIER/FANON		LAFAYETTE		REGENCY	
CCT-3 w/CHB-4.....	23	Dyna-Com 3A (99-31940L).....	53	Sprint/23 (CB-291).....	111
		Telsat SSB-25 (99-32377W).....	63		

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



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 SST

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

A1 thru A4, A6 thru A18, A20GENERAL CEMENT #8868, 9089
A5, A19, A21GENERAL CEMENT #8606L, 9440

BROWNING MODEL SST

RECEIVER

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

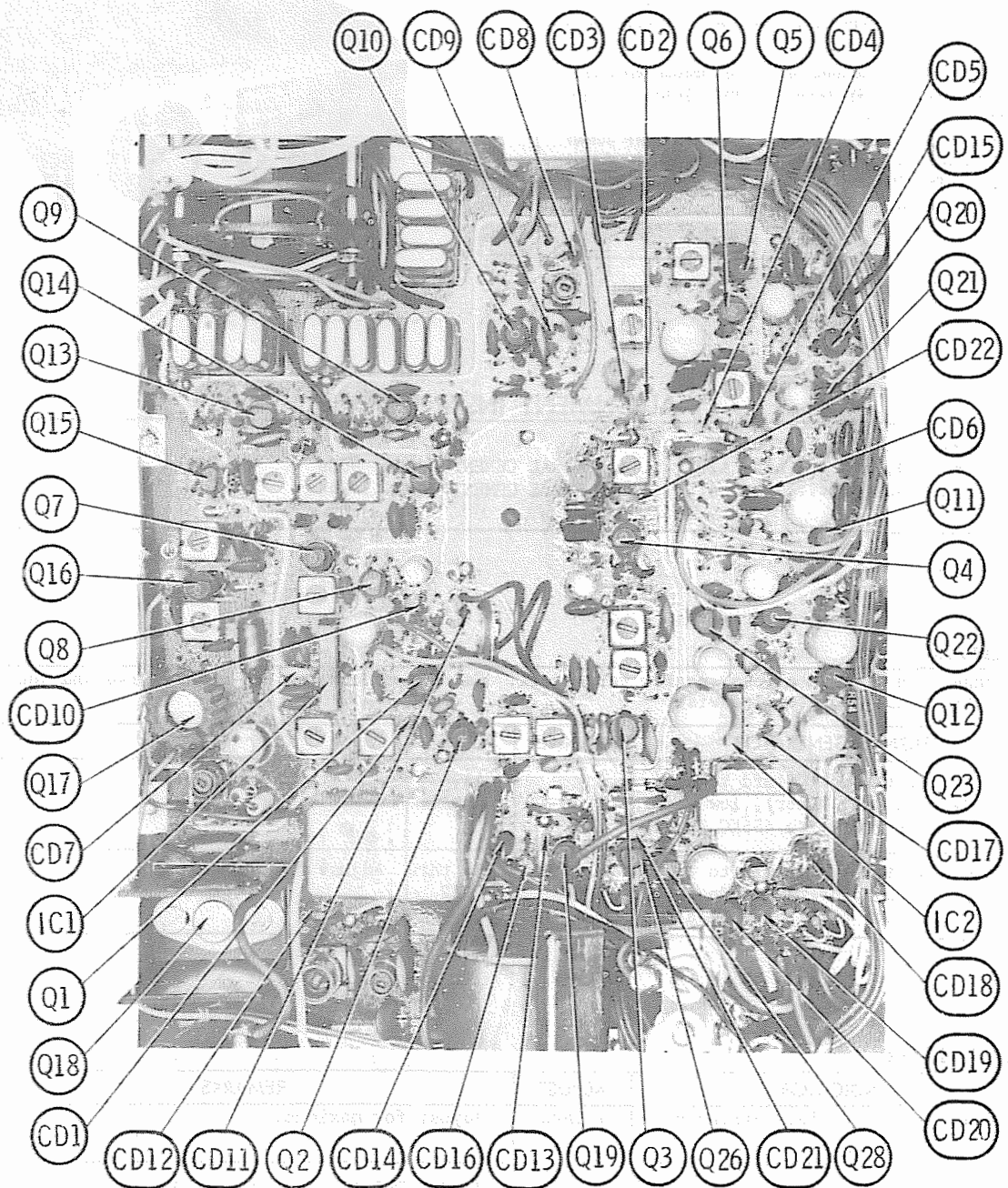
SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
High side through .01mfd to base of Q4 (2nd Rec. Mixer), low side to chassis. Tune to 455KC (Mod.).	Any	A1,A2, A3,A4	Adjust for maximum.
High side through .01mfd to Antenna connector, low side to chassis. Tune to 27.085MC (Mod.).	11	A5 thru A12	Adjust for maximum.

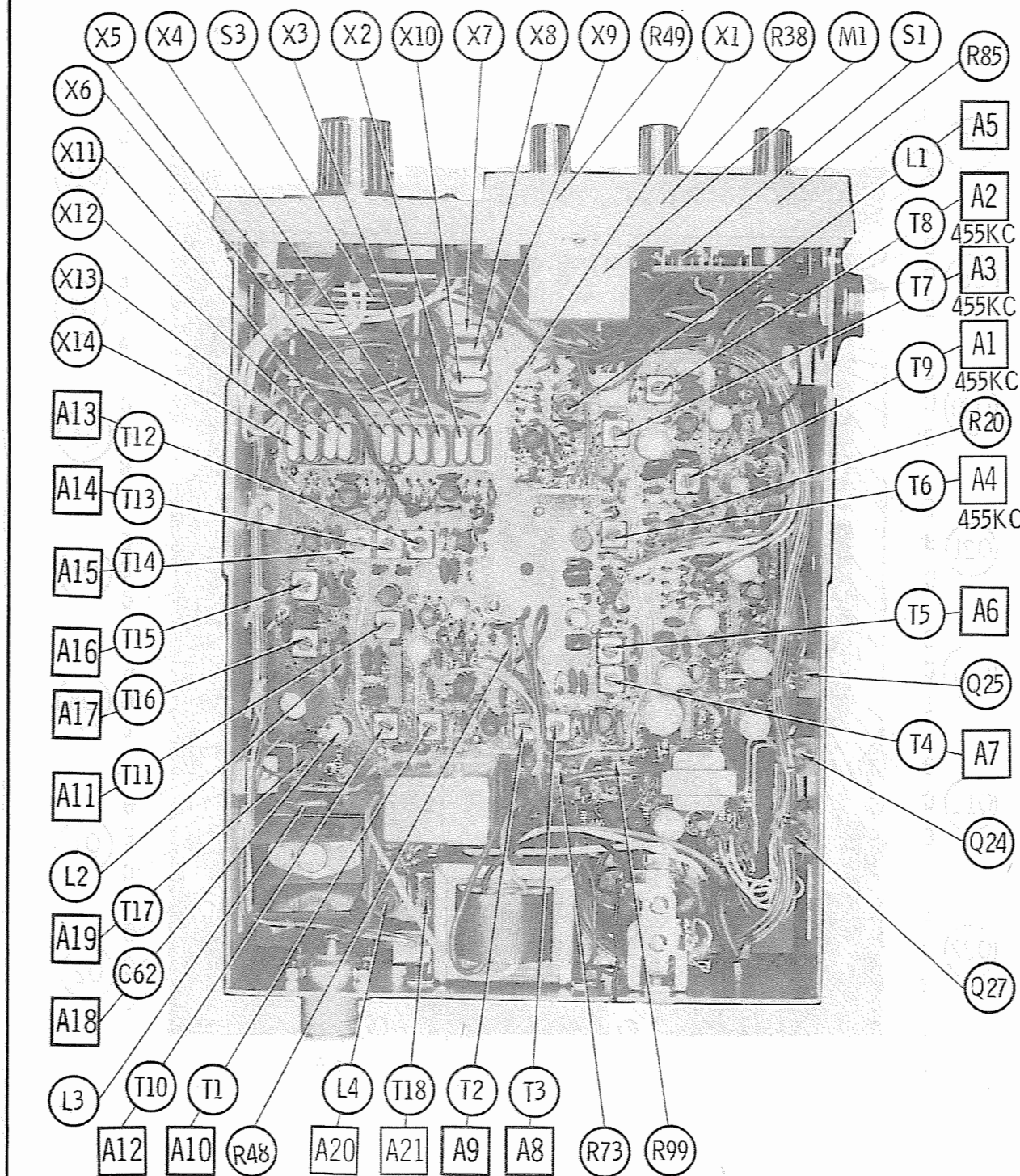
TRANSMITTER

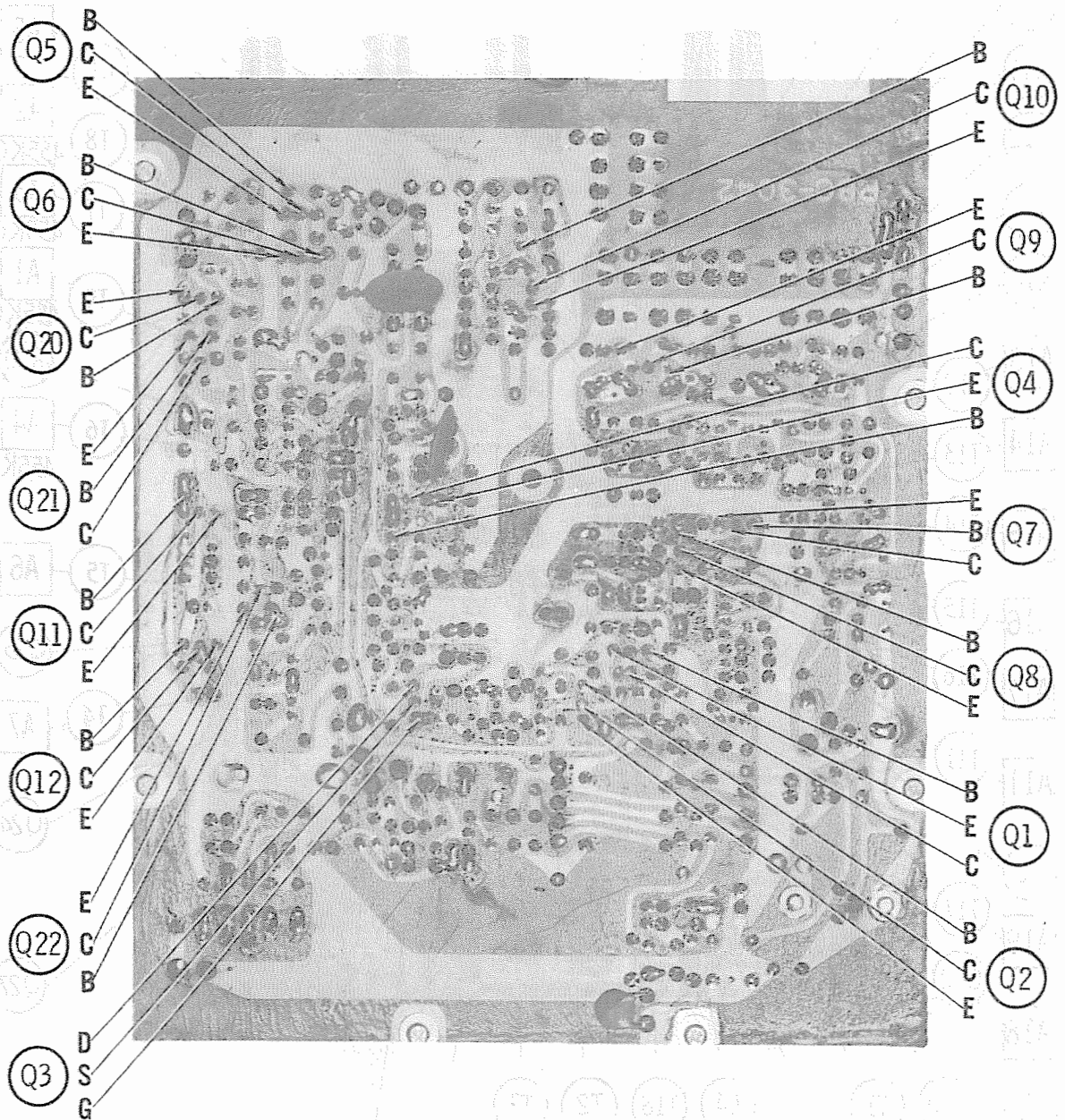
INDICATOR	ADJUST	REMARKS
RF Wattmeter or Field Strength Meter.	A1 thru A21	Adjust for maximum.
0-500ma DC Ammeter	A20	Remove meter jumper @ L3, insert meter. Re-adjust A20 for 5 watts input to Q18 (Final Amp).

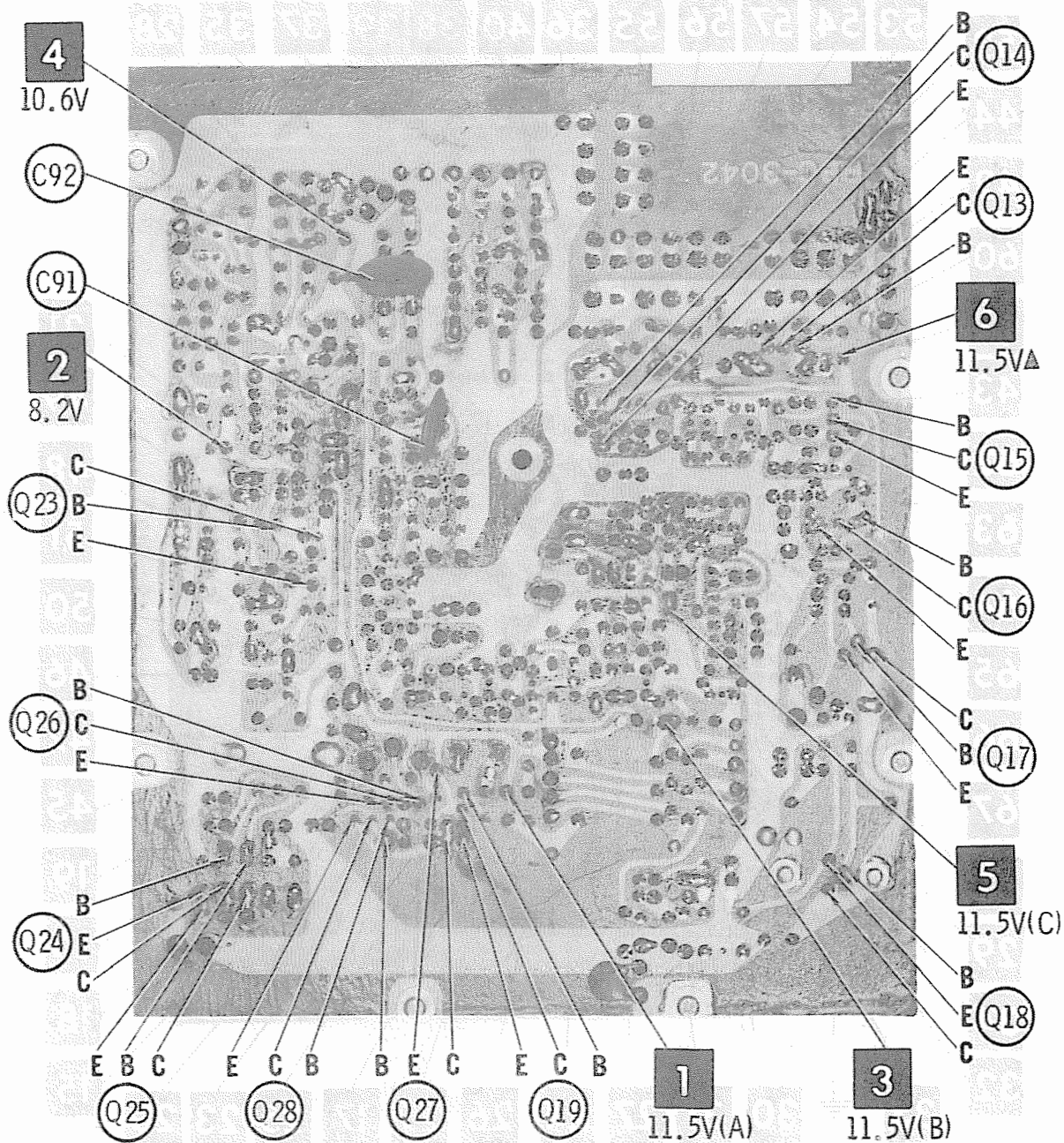
HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

© 1971 Howard W. Sams & Co., Inc. Printed in U. S. of America 1CY037

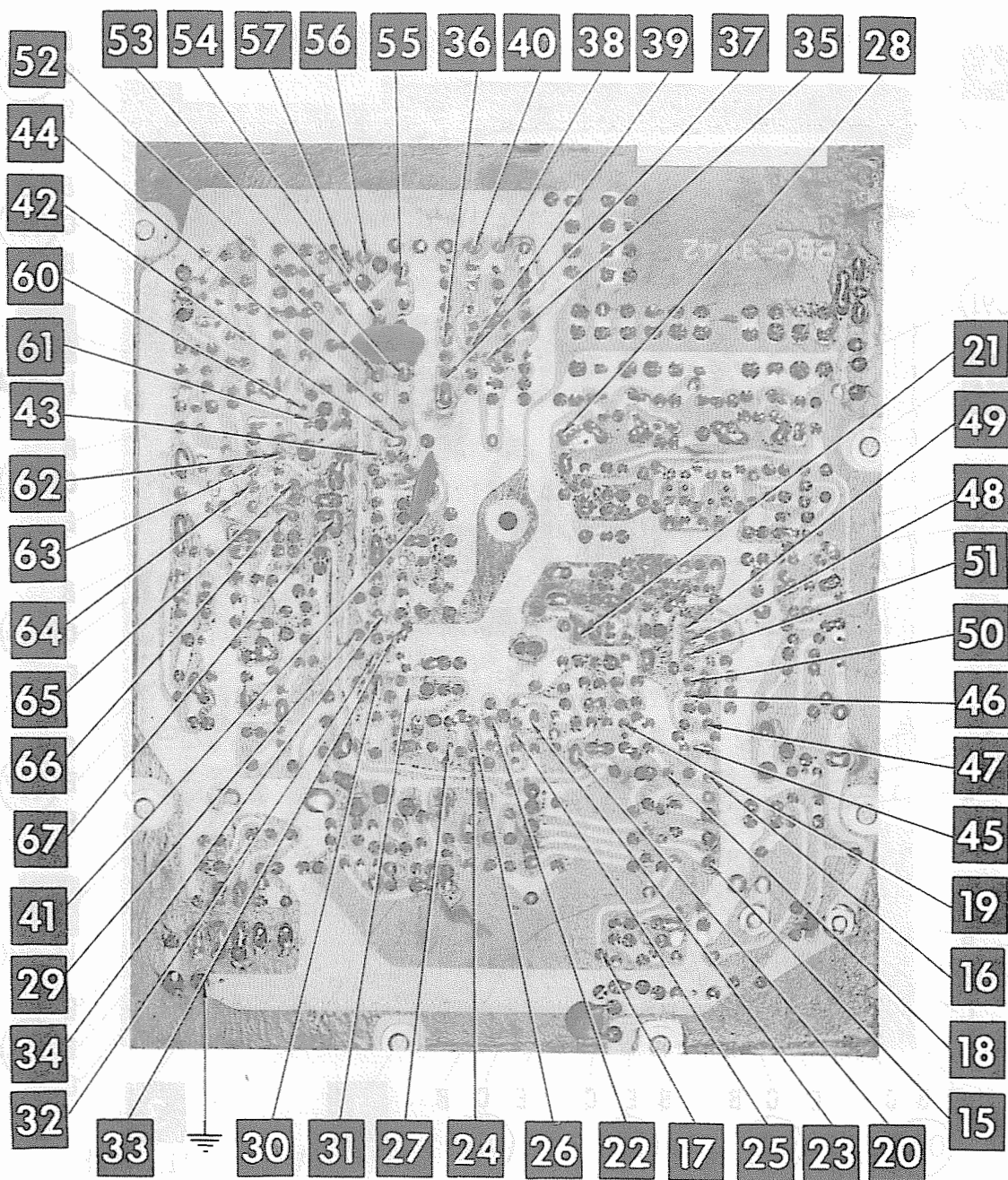


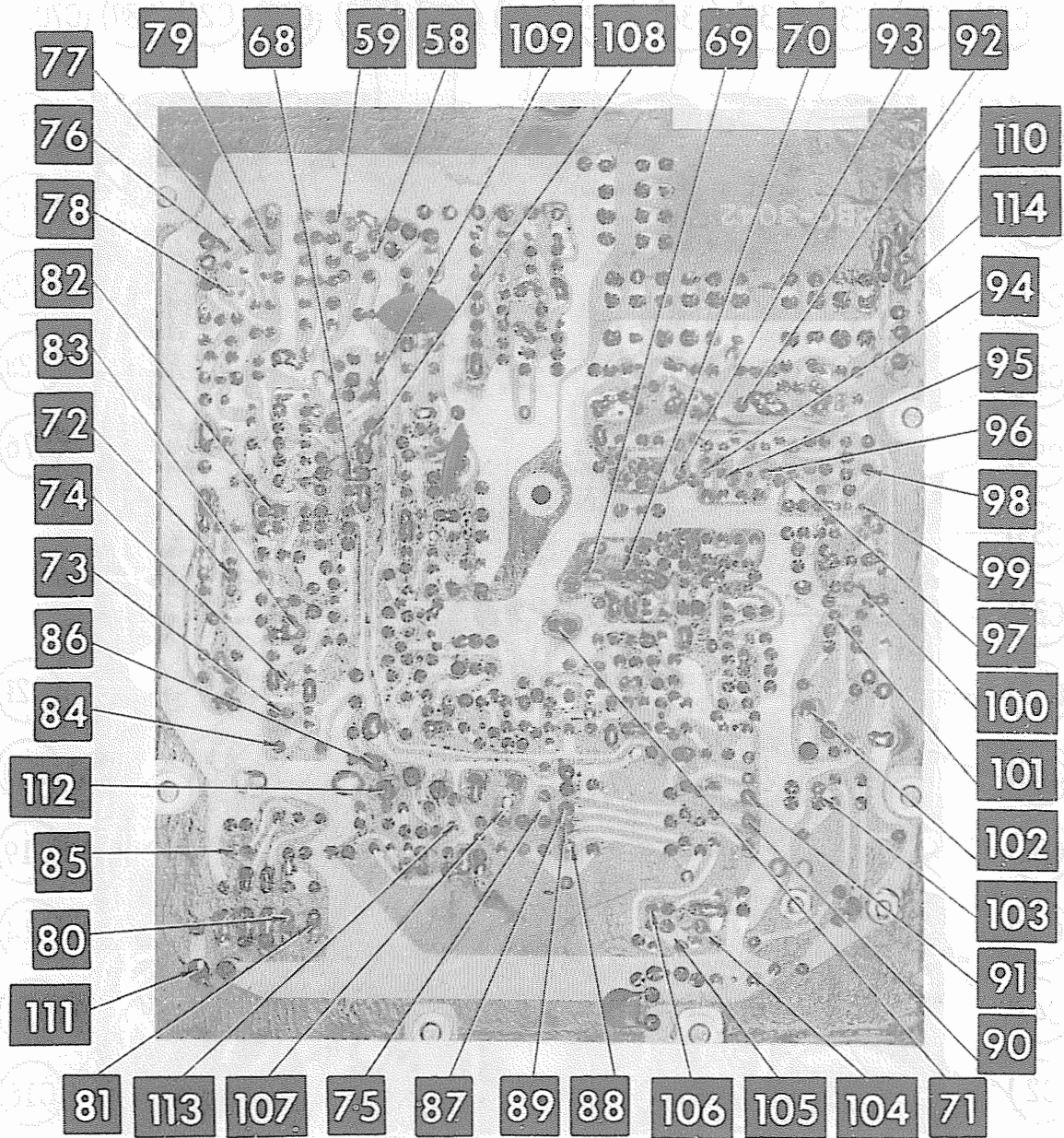


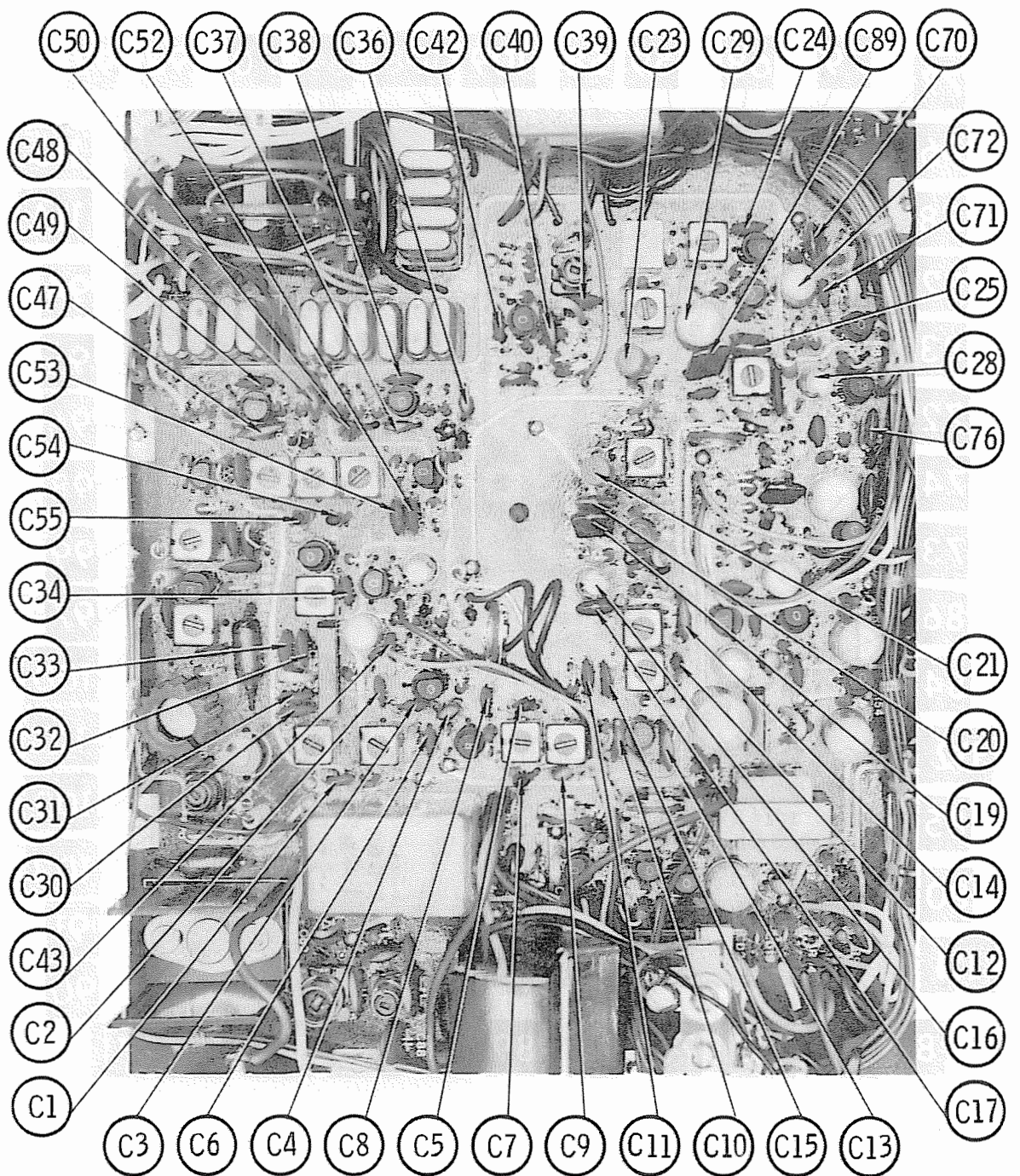


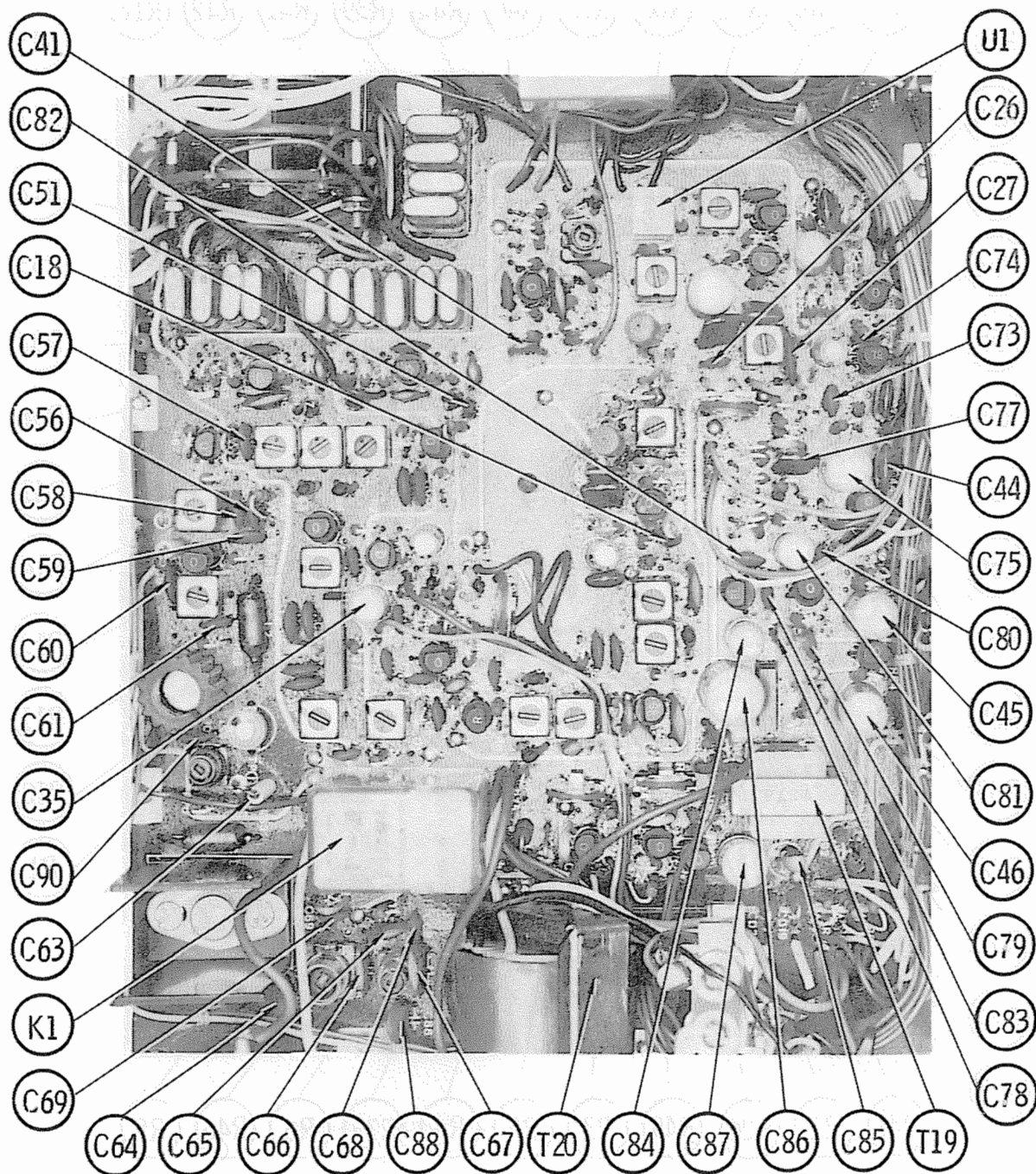


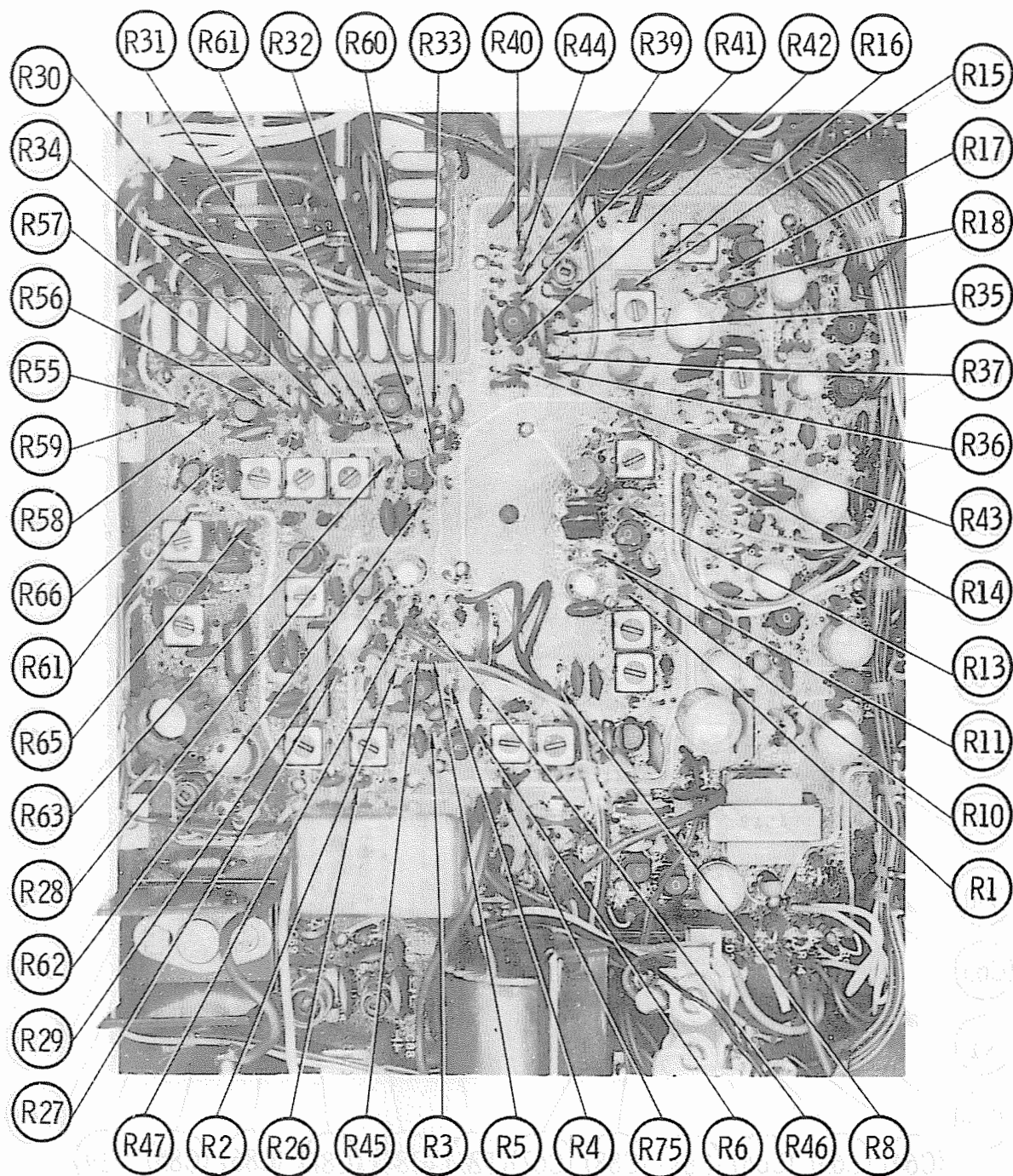
PROVIDING POWER TO THE JASON CIRCUIT

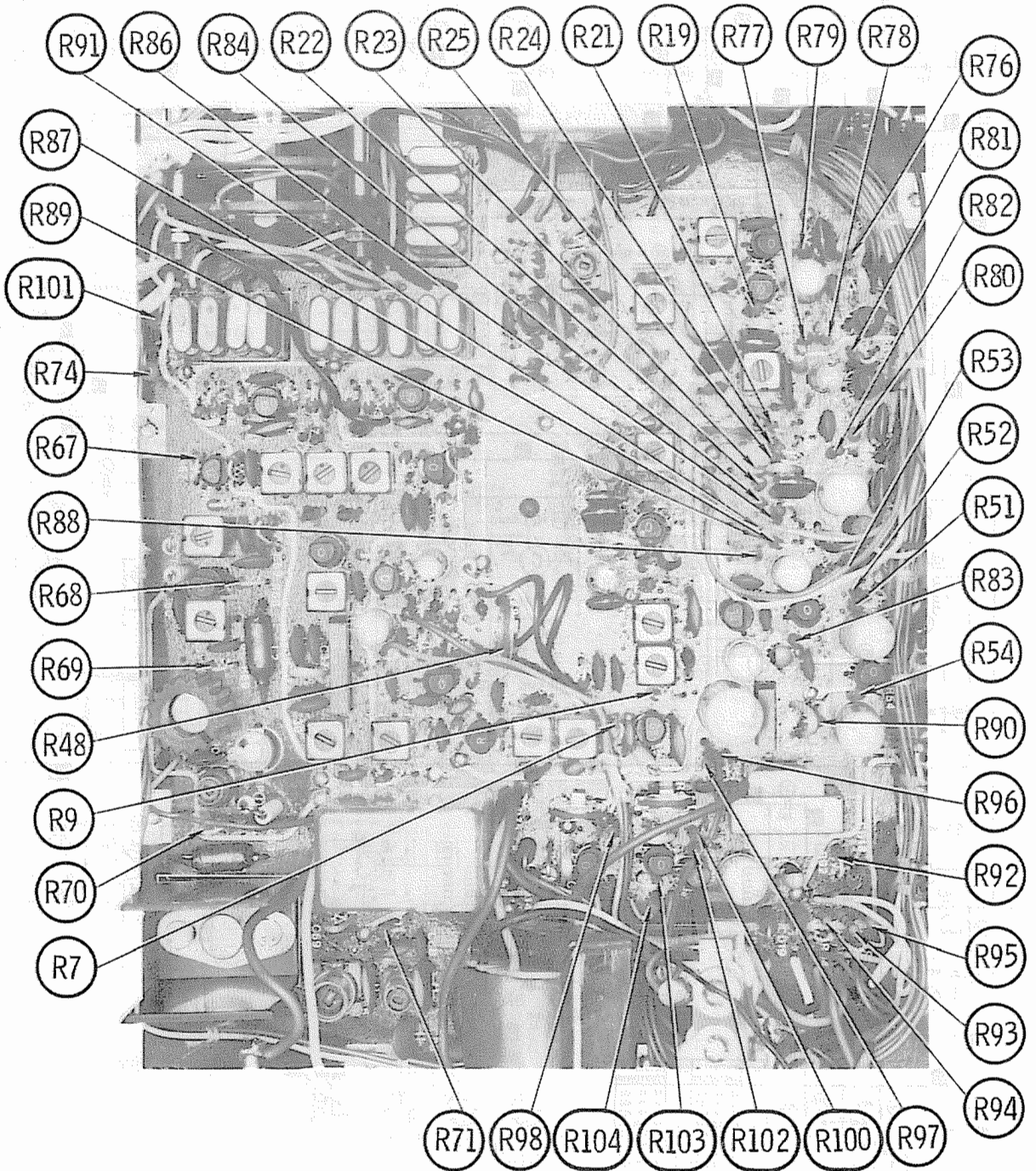


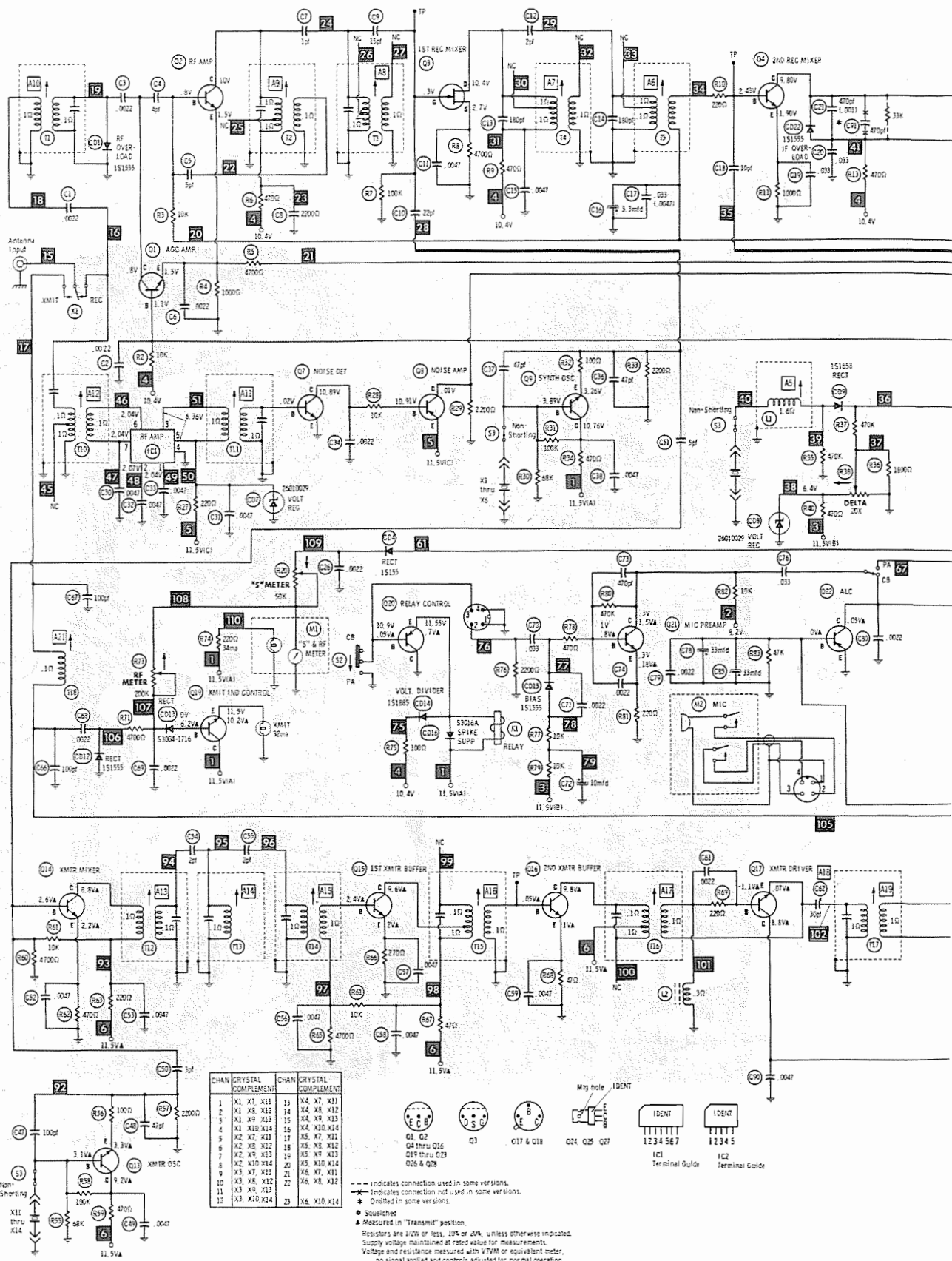












A PHOTOSTANDARD NOTATION SCHEMATIC

with **CIRCUITRACE**

© Howard W. Sams & Co., Inc. 1971

17



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.)

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
Q1	2SC372	AGC Amp	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q2	2SC784	RF Amp	26010026	GE-17	TR-24	HEP56	SK3018	ECG 107
Q3	2SK19	1st Rec. Mixer	26010006	GE-FET-1	TR-FE 100	HEP802		ECG 132
Q4	2SC372	2nd Rec. Mixer	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q5	2SC372	1st IF Amp	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q6	2SC372	2nd IF Amp	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q7	2SC372	Noise Det.	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q8	2SA495	Noise Amp	26010016	GE-21	TR-30	HEP52	SK3025	ECG 159
Q9	2SC372	Synthesizer Osc.	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q10	2SC372	Rec. Osc.	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q11	2SC372	Squelch Amp	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q12	2SC372	Squelch	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q13	2SC372	Xmtr. Osc.	26010020	GE-10	IRTR-62	HEP55	SK3046	ECG 123A
Q14	2SC372	Xmtr. Mixer	26010020	GE-10	IRTR-62	HEP55	SK3046	ECG 123A
Q15	2SC372	1st Xmtr. Buffer	26010020	GE-10	IRTR-63	HEP55	SK3047	ECG 123A
Q16	2SC735	2nd Xmtr. Buffer	26010021	GE-20	IRTR-63	HEP53	SK3047	ECG 123A
Q17	2SC482	Xmtr. Driver	26010010	GE-18	IRTR-64	S3001	SK3048	ECG 128
Q18	2SC517	Final Amp.	26010022	GE-20	IRTR-65	S3002	SK3048	ECG 128
Q19	2SC735	XMTR. Indicator Control	26010010	GE-20	IRTR-64	HEP53	SK3020	ECG 123A
Q20	2SA562	Relay Control	26010027	GE-21	TR-19	HEP51	SK3025	ECG 159
Q21	2SC732	Mic Preamp	26010023	GE-20	TR-21	HEP730	SK3020	ECG 123A
Q22	2SA495	Modulation Amp	26010016	GE-21	TR-30	HEP52	SK3025	ECG 159
Q23	2SC732	AF Amp	26010023	GE-20	TR-21	HEP730	SK3020	ECG 123A
Q24	2SD235	Output - Modulator	26010024	GE-28	IRTR-55	HEP701	SK3054	ECG 152
Q25	2SD235	Output - Modulator	26010024	GE-28	IRTR-55	HEP701	SK3054	ECG 152
Q26	2SC372	Error Amp	26010020	GE-10	IRTR-51	HEP55	SK3018	ECG 123A
Q27	2SD235	Voltage Regulator	26010024	GE-28	IRTR-55	HEP701	SK3054	ECG 152
Q28	2SA562	DC Amp	26010027	GE-21	TR-19	HEP51	SK3025	ECG 159

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
CD1	1S1555	GE-300	1N60		ECG 177	Zener 6.3V Zener 6.3V
CD2	1S2091	GE-300			ECG 177	
CD3	1S2091	GE-300			ECG 177	
CD4	1S1555	GE-300			ECG 177	
CD5	1S1555	GE-300			ECG 177	
CD6	1S1555	GE-300			ECG 177	
CD7	26010029	GEZD-6.2		SK3058	ECG 137	
CD8	26010029	GEZD-6.2		SK3058	ECG 137	
CD9	1S1658	1N60		SK3088	ECG 109	
CD10	2S10032 (S3016R)					
CD11	2S10032 (S3016R)					
CD12	1S1555	GE-300			ECG 177	Zener 6.3V
CD13	26010030 (S3004-1716)					
CD14	1S1885	GE-300			ECG 177	
CD15	1S1555	GE-300			ECG 177	
CD16	26010032 (S3016R)					
CD17	1S1555	GE-300			ECG 177	
CD18	1S1825	GE-300			ECG 177	
CD19	1S1825	GE-300			ECG 177	
CD20	1S1825	GE-300			ECG 177	
CD21	26010029	GEZD-6.2		SK3058	ECG 137	
CD22	1S1555	GE-300			ECG 177	

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA						
		PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C16	3.3 25V	26043015	MCD-40	EP30-5	WBR5-50	MT1-3	MTV3CB50	TE-1302
C22	3.3 16V		MCD-40	EP30-5	WBR5-50	MT1-3	MTV3CB50	TE-1302
C28	3.3 25V		MCD-40	EP30-5	WBR5-50	MT1-3	MTV3CB50	TE-1302
C29	3.3 16V	26043015	MCD-40	EP30-5	WBR5-50	MT1-3	MTV3CB50	TE-1302
C29	33 16V	26043018	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C35	10 16V	26043016	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C45	33 16V	26043018	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C46	33 16V	26043018	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C72	10 16V	26043016	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C75	33 16V	26043018	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C78	33 3V	26040001					TDC336M01FL	196D336X0004EB
C81	10 16V	26043016	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C84	10 16V	26043016	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1155
C85	33 3V	26040001					TDC336M01FL	196D336X0004EB
C86	100 16V	26043013	MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CD15	TE-1162
C87	33 16V	26043018	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158

BROWNING MODEL SST

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C2	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C3	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C4	15		NPO-DI 15	DTZ-15	NP015	CCTO-150	CN0415	10TCC-Q15
C5	5		NPO-DI 5.0		NP05			10TCC-V50
C6	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C7	1		NPO-DI 1.0	TCZ-1			CN0510	10TCC-V10
C8	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C9	15		NPO-DI 15	DTZ-15	NP015	CCTO-150	CN0415	10TCC-Q15
C10	22		NPO-DI 20	DTZ-20	NP020	CCTO-200	CN0420	10TCC-Q20
C11	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C12	2		NPO-DI 2.2	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C13	180		GPD X5F181K	DD-181	GP180	CCD-181	GP318	10TS-T18
C14	180		GPD X5F181K	DD-181	GP180	CCD-181	GP318	10TS-T18
C15	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C17	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C18	10		NPO-DI 10	DTZ-10	NP010	CCTO-100	CN0410	10TCC-Q10
C19	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C20	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C21	470			CPR-470J	CD15F471J500	DM-16-471	SX347	MS-347
C23	470			CPR-470J	CD15F471J500	DM-16-471	SX347	MS-347
C24	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C25	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C26	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C27	.01		TTP-01	CK-103	MSP01	CCD-103	TA110	TG-S10
C30	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C31	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C32	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C33	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C34	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C36	47		NPO-DI 47	DTZ-47	NP047	CCTO-470	CN0447	10TCC-Q47
C37	47		NPO-DI 47	DTZ-47	NP047	CCTO-470	CN0447	10TCC-Q47
C38	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C39	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C40	100		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10

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.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C41	47		NPO-DI 47	DTZ-47	NP047	CCT0-470	CN0447	10TCC-Q47
C42	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C43	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C44	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C47	100		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C48	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C49	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C50	3		NPO-DI 3.0					10TCC-V30
C51	5		NPO-DI 5.0		NP05			10TCC-V50
C52	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C53	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C54	2		NPO-DI 2.2	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C55	2		NPO-DI 2.2	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C56	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C57	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C58	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C59	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C60	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C61	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C62	30			TCZ-30		CCT0-300		10TCC-Q30
C63	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C64	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C65	68			DTZ-68			CN0468	10TCC-Q68
C66	100		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C67	100		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C68	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C69	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C70	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C71	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C73	470		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C74	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C76	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C77	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C79	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C80	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C82	470		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C83	.0022		GPD X5F222K	DD-222	GP2200	CCD-222	GP222	10TS-D22
C88	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C89	.033		TTP-03	CK-303		CCD-303	GP130	TG-S30
C90	.0047		GPD X5R472K	DD-472G	GP4700	CCD-472	JF247	10TS-D47
C91	470		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C95	470		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C96	470		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47

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

ITEM No.	FUNCTION	RESIST- ANCE	REPLACEMENT DATA				
			MFRG. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	CTS-IRC PART No.	MALLORY PART No.
R20	"S" Meter Adjust	50K	26061026	TSV-50K(1) or T-50K (1)		X201R503B (1)	MTC54L1 (1)
R38 R48	Delta - Tune Squelch Range	20K 10K	26061036 26061032	TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
R49 R73	Squelch "RF" Meter Adjust	5000 200K	26061035 26061033	TSV-250K(1) or T-250K (1)		X201R254B (1)	MTC254L1 (1)
R85 R99	Volume/Switch Voltage Adjust	50K 1000	26061037 26061034	TSV-1K or T-1000		X201R102B	MTC13L1

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
L1	Delta Tune	26026014			
L2	RF Choke	26020001			
L3	RF Choke	26020001		74F125AP	
L4	Final	26025033		74F125AP	
T1	Rec Antenna Matching	26025036			
T2	RF (Pri)	26025037			
T3	RF (Sec)	26025038			
T4	1st Mixer (Input)	26025039			
T5	1st Mixer (Output)	26025039			
T6	Input IF	26027014	16-9033	8810	
T7	Interstage IF	26027015	16-9034	8811	
T8	Interstage IF	26027016	16-9034	8515	
T9	Output IF	26027008	16-9035	8812	
T10	RF (Noise)	26025041			
T11	RF (Noise)	26025040			
T12	Xmtr. Mixer (Input)	26025028			
T13	Xmtr. Harmonic Suppressor	26025029			
T14	Xmtr. Mixer (Output)	26025030			
T15	Xmtr. Buffer (Input)	26025031			
T16	Xmtr. Buffer (Output)	26025031			
T17	Xmtr. Driver	26025032			
T18	Pi Filter	26025034			

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.	
T19	2	1		26022010 (7378)				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T20	32CT	8	26023010				
		SEC. 2					
		1.5DC Res.					
		SEC. 3					
		56 CT DC Res.					

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	2 1/2" PM 8 ohms	26015093		

BROWNING MODEL SST

PARTS LIST AND DESCRIPTION (CONTINUED)

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

FUSE DEVICES

ITEM No.	DESCRIPTION	REPLACEMENT DATA					
		PART No.		BUSS PART No.		LITTELFUSE PART No.	
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	WORKMAN PART No.
F1	2 Amp	26014024	26016027	AGC 2	HDJ	312002	150145

MISCELLANEOUS

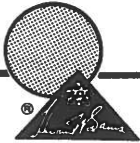
ITEM No.	PART NAME	PART No.	NOTES
IC1	Noise Amp	26010034	Module
IC2	AF Amp	26010035	Module
K1	Relay	26014022	Xmit - Rec
M1	Meter	26019016	"S" & "RF" Power
S1	Switch	26014026	Noise Blanker - On Slide Switch
S2	Switch PA-CB	26014026	Slide Switch
S3	Switch, Selector	26014027	24 Position
U1	Ceramic Filter	26019009	
X1	Crystal	26015094	16.965MC
X2	Crystal	26015095	16.015MC
X3	Crystal	26015096	17.065MC
X4	Crystal	26015097	17.115MC
X5	Crystal	26015098	17.165MC
X6	Crystal	26015099	17.215MC
X7	Crystal	26015100	9.545MC
X8	Crystal	26015101	9.555MC
X9	Crystal	26015102	9.565MC
X10	Crystal	26015103	5.585MC
X11	Crystal	26015104	10.000MC
X12	Crystal	26015105	10.010MC
X13	Crystal	26015106	10.020MC
X14	Crystal	26015107	10.040MC

MICROPHONE

ITEM No.	REPLACEMENT DATA			REMARKS
	MFGR. PART No.	RCA REPLACEMENT	RCA STEP UP REPLACEMENT	
M2	26015092	HK-108		

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

ITEM	PART No.	ITEM	PART No.
Knob, Channel Indicator	26082003	Knob, Squelch	26086025
Knob, Delta	26086025	Knob, Volume	26086025
Knob, Selector	26086024		



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 TELSAT SSB-25 (99-32377W)

ALIGNMENT INSTRUCTIONS

Suggested Alignment Tools:

GENERAL CEMENT #

A1 thru A4, A12, A44, A52, A53, A548868, 9089
A5, A6, A8 thru A13, A26 thru A30, A36, A40 thru A43, A45 thru A50, A55...8606L, 9440
A7, A14 thru A25, A31 thru A35, A37, A38, A398276, 8277, 8290

RECEIVER (AM)

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

SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
High side thru .01mfd to anode of D29 (2nd Mixer-Noise Switch), low side to chassis. Tune to 458KC (Mod.)	Any	A1, A2, A3, A4	Adjust for maximum.
High side thru .01mfd to Antenna Connector, low side to Chassis. Tune to 27.085MC (Mod.)		A6, A8, A9, A10, A11, A12, A13, A14	Adjust for maximum.

RECEIVER (SSB)

Connect an RF Voltmeter from Point  to chassis.

SIGNAL GENERATOR	CHANNEL	ADJUST	REMARKS
High side thru .01mfd to base of TR19 (1st Mixer); low side to chassis. Tune to 7.8MC.	Any	A41, A42, A43, A44	Adjust for maximum.

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

© 1971 Howard W. Sams & Co., Inc. Printed in U. S. of America 1CY034

LAFAYETTE MODEL SSB-25

ALIGNMENT INSTRUCTIONS (Continued)

OSCILLATOR ADJUSTMENT

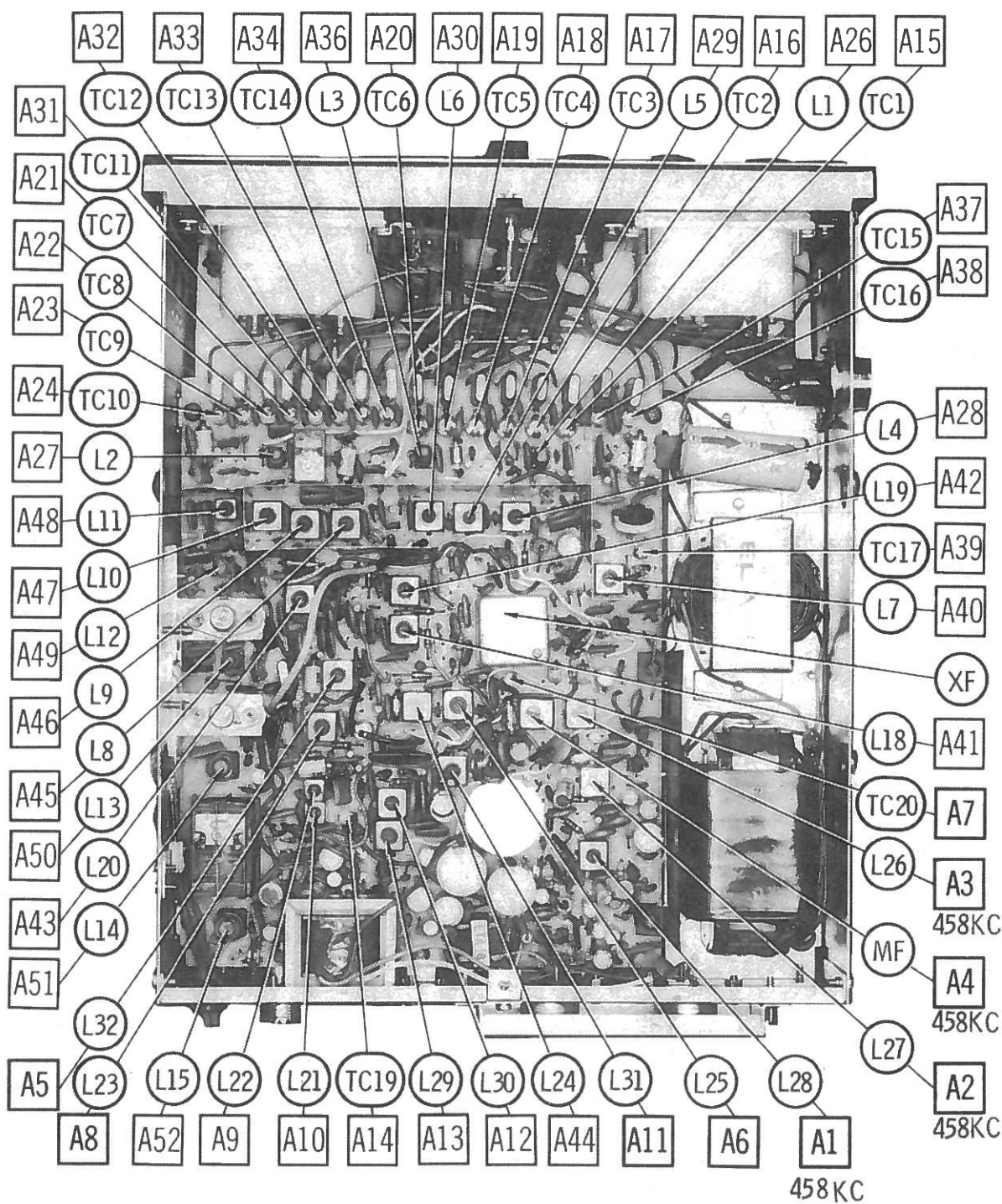
Frequency Counter	A5	Connect counter to Point $\diamond B$ and turn A5 counterclockwise until osc. stops; then turn clockwise one turn.
"	A15 thru A20	Connect counter to Collector of TR1 (Synthesizer Osc.) with SW2 in USB or AM position. Adjust for individual crystal frequency.
"	A21 thru A25	Connect counter to collector of TR20 (AM-USB Osc.) with SW2 in USB or AM position. Adjust for individual crystal frequency.
"	A31 thru A35	Connect counter to collector of TR3 (LSB Osc.) with SW2 in LSB position. Adjust to individual crystal frequency.
RF Voltmeter	A26 thru A28, A36	Connect voltmeter to Point $\diamond C$. Adjust for maximum.
Frequency Counter	A37, A38	Connect Frequency Counter to Point $\diamond E$. Adjust to individual crystal frequency.

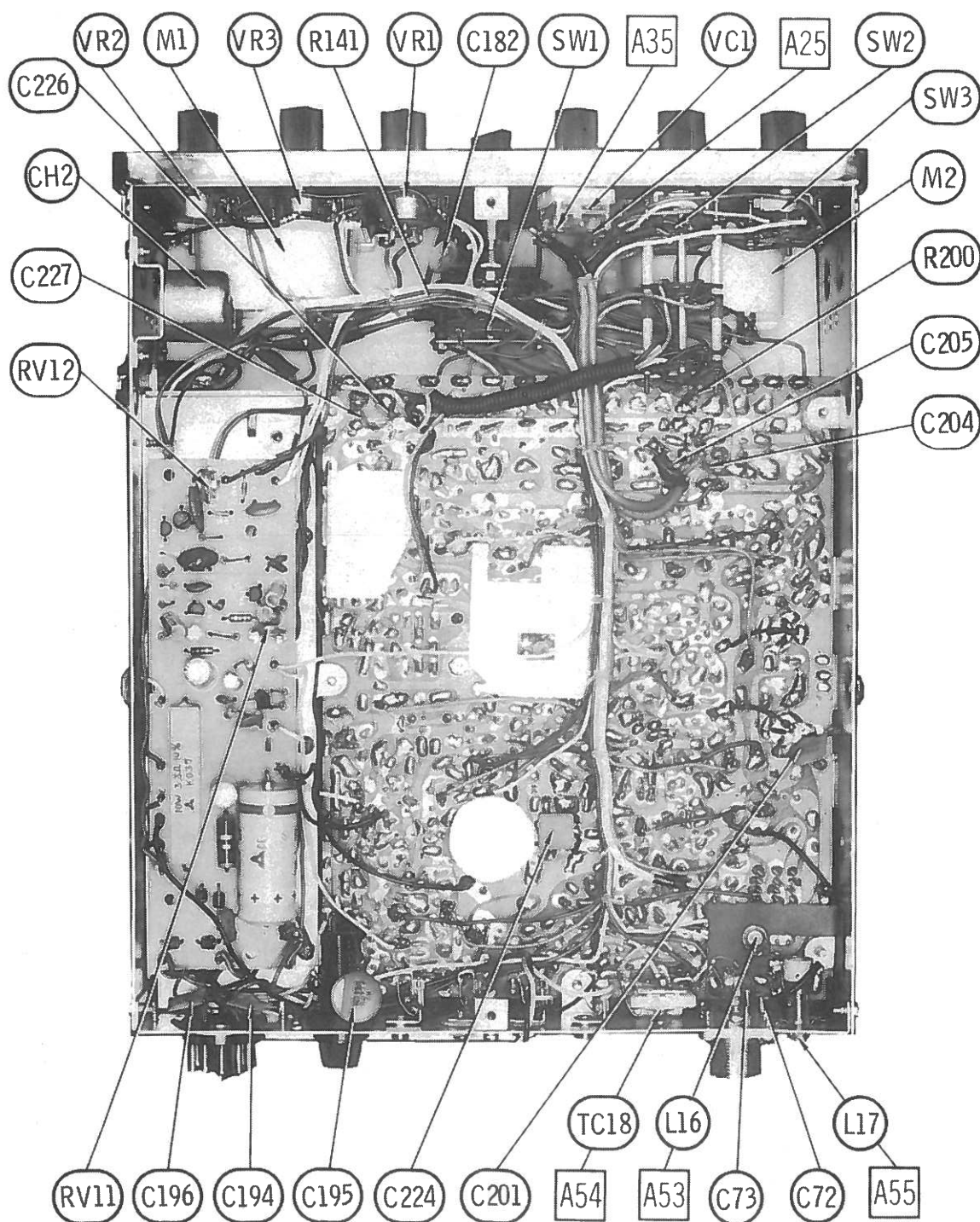
TRANSMITTER (AM)

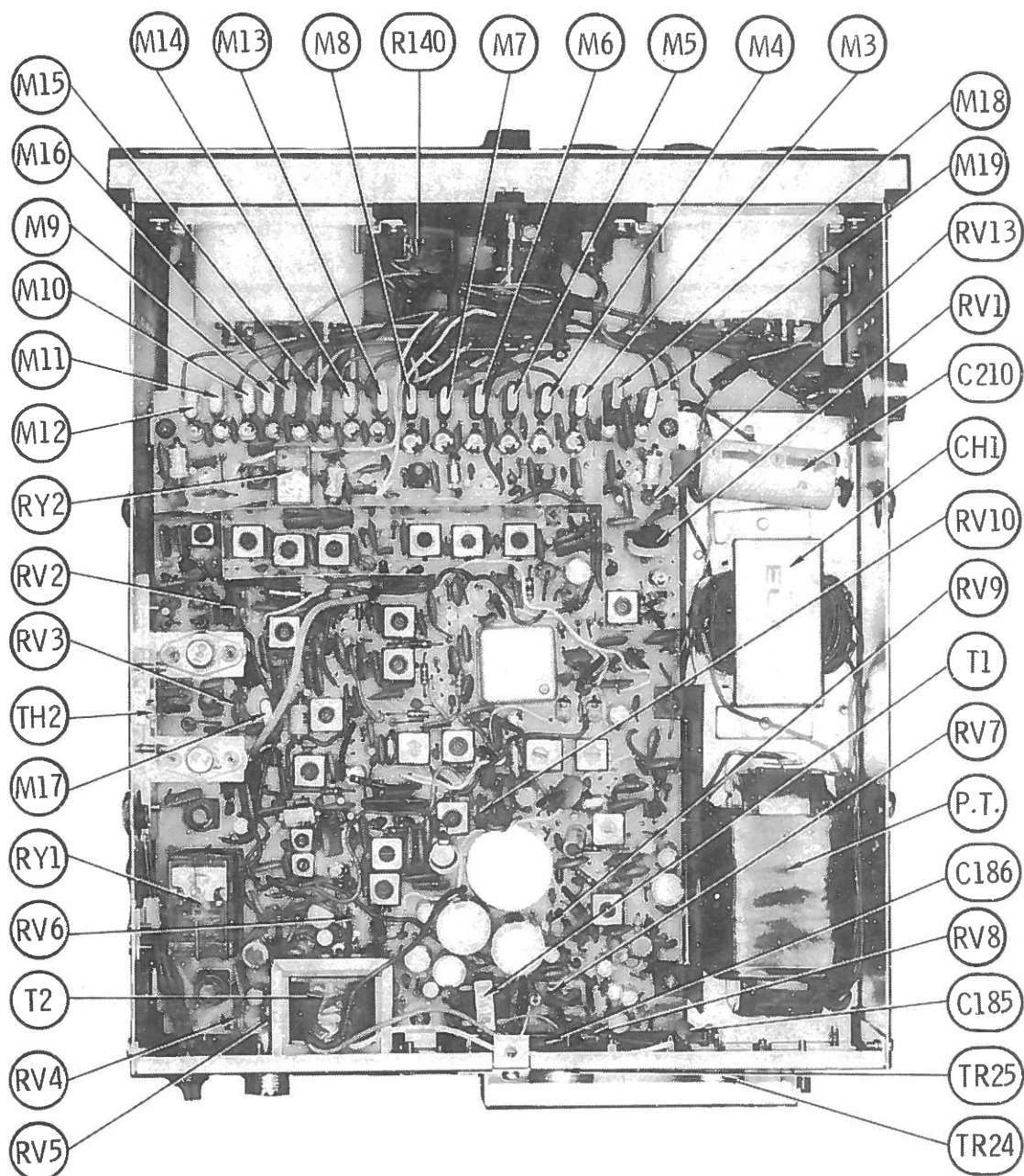
INDICATOR	ADJUST	REMARKS
RF Wattmeter or Field Strength Meter.	A40 thru A54	Adjust for maximum.
0-500 DC Ammeter	A51	Remove meter jumper at TR9 (Final Amp) and insert meter. Adjust A51 for 5 Watts input to TR9 (Final Amp.)

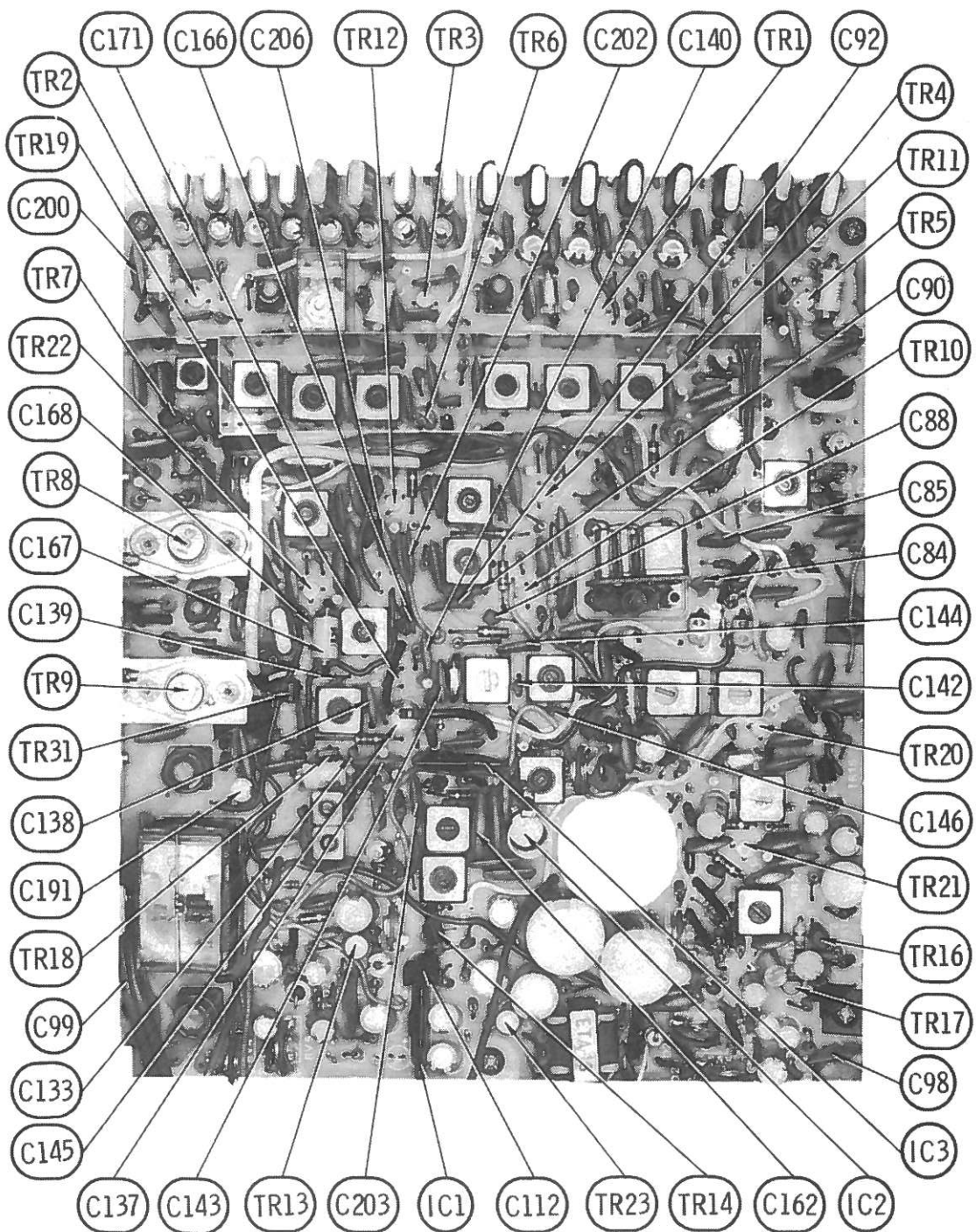
TRANSMITTER (SSB)

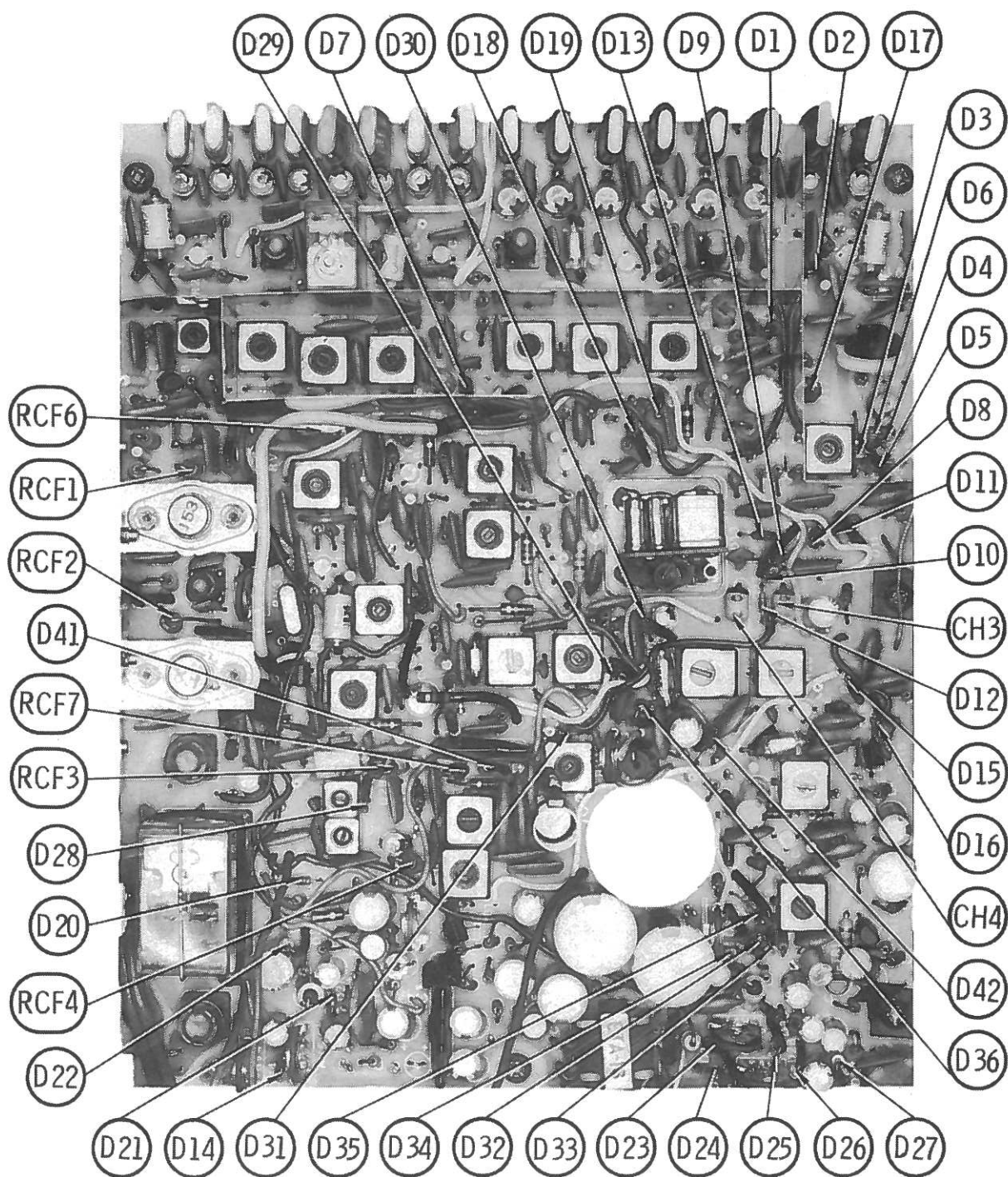
INDICATOR	ADJUST	REMARKS
RF Wattmeter and Monitor Scope.	RV1, A39	Connect the RF Wattmeter and monitor Scope to Antenna connector. Set SW2 to USB position and short microphone input to ground. Adjust for MINIMUM carrier output with no Audio.
RF Wattmeter, Monitor Scope and Audio Generator.	A40	Connect Audio Generator (1000 cycles) to microphone input. Connect the RF Wattmeter and monitor scope to Antenna connector. Set SW2 to USB position and adjust for maximum reading.
Television (Ch. 2)	A55	Adjust for MINIMUM interference.

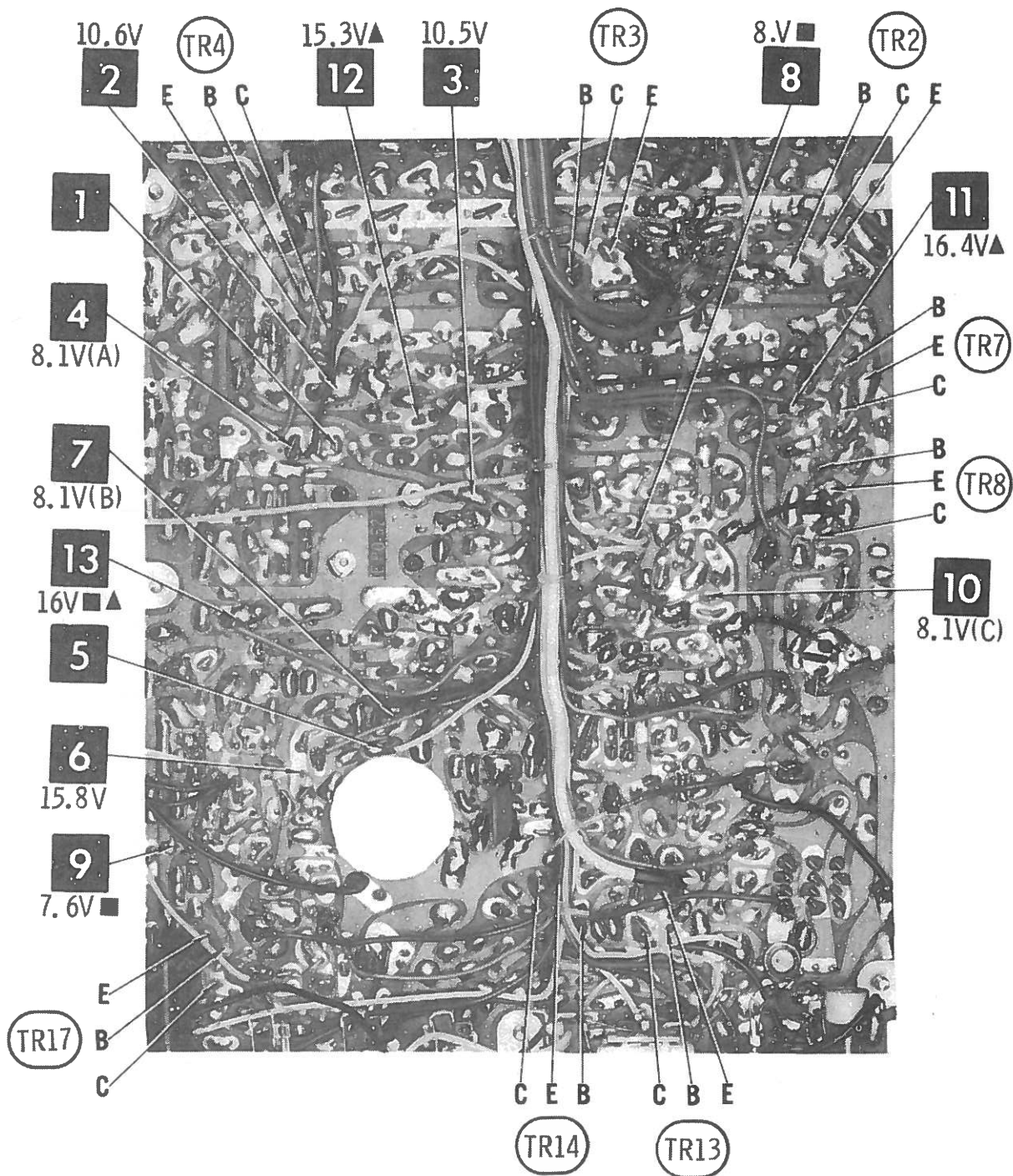


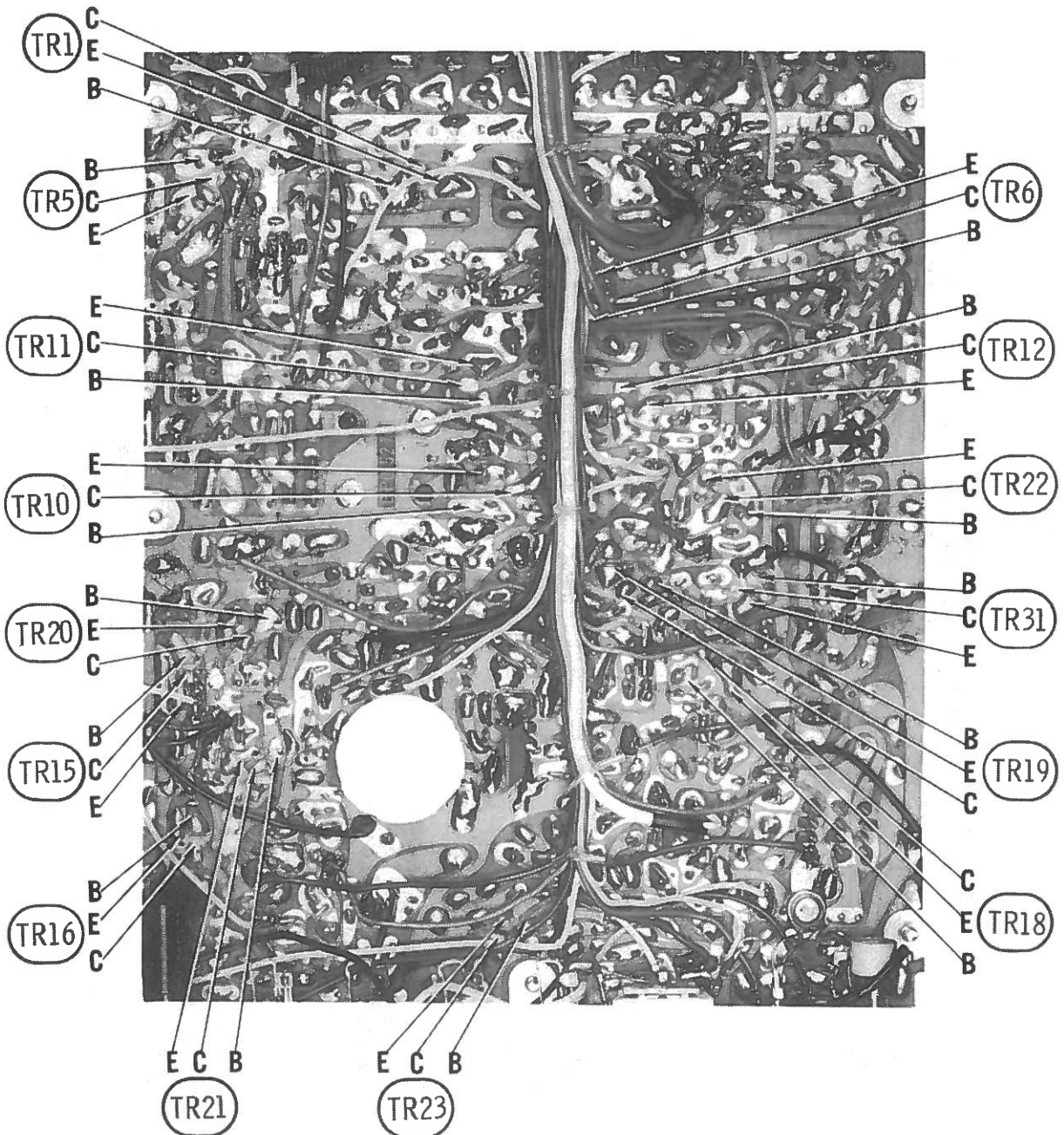


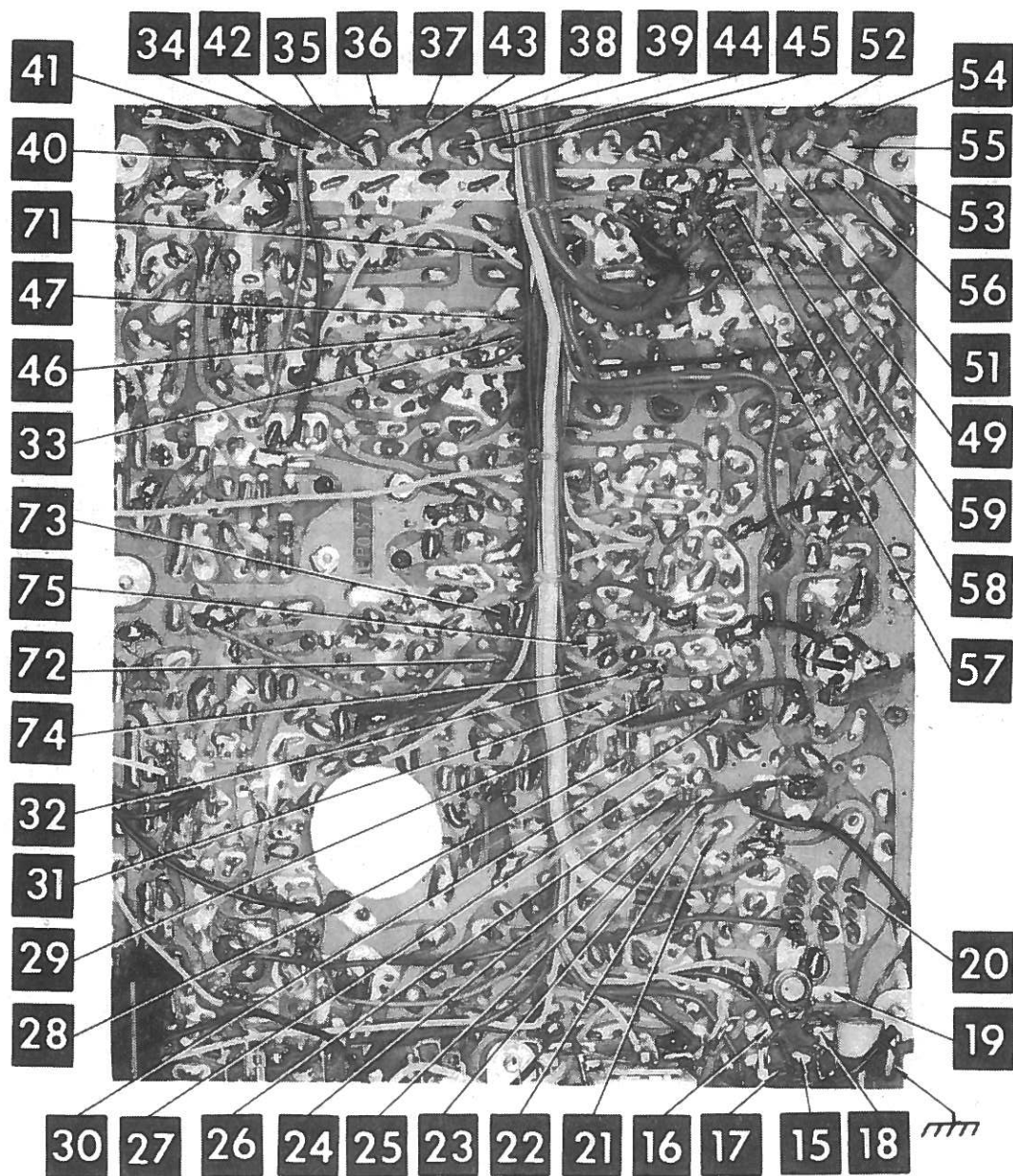


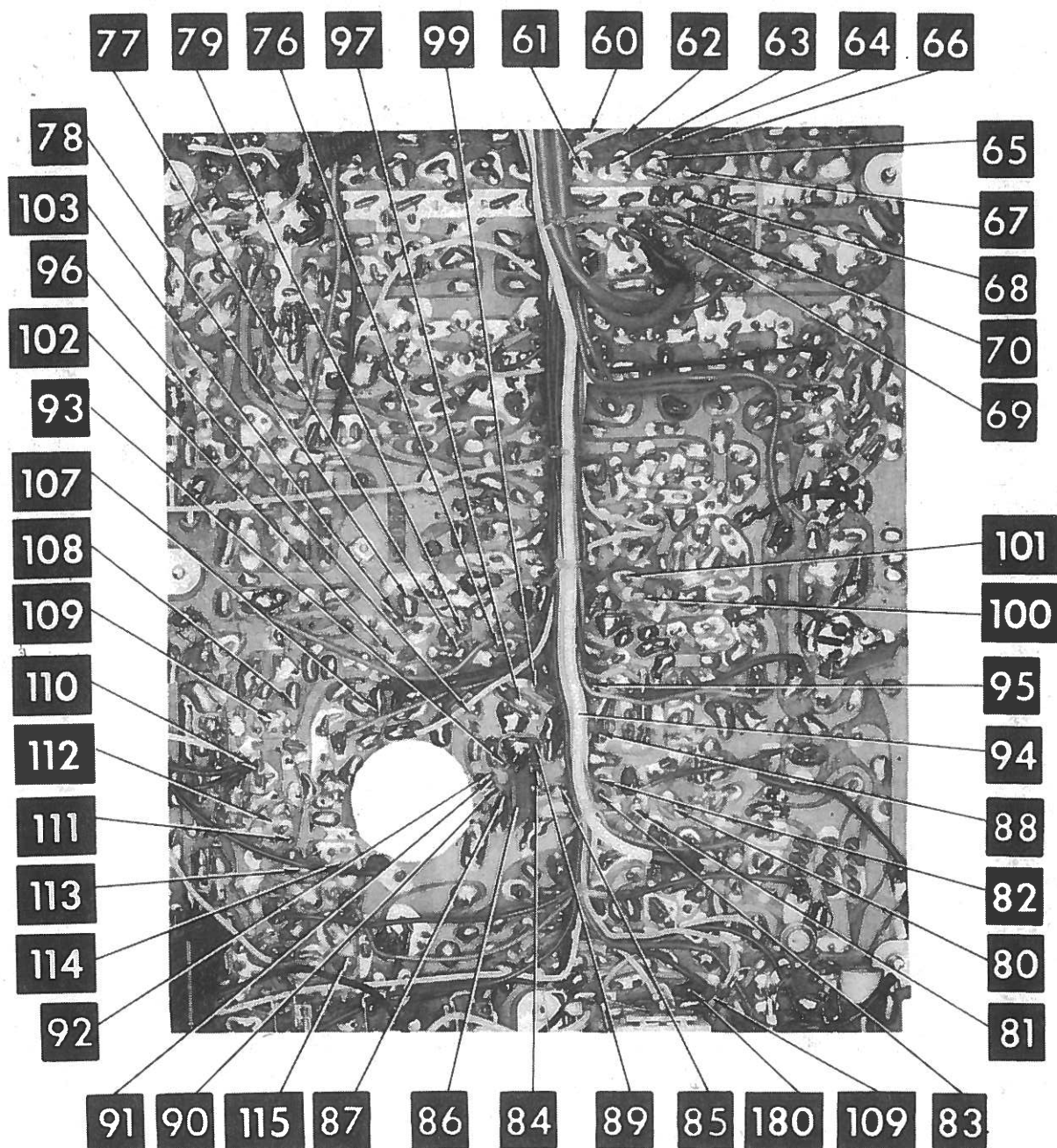


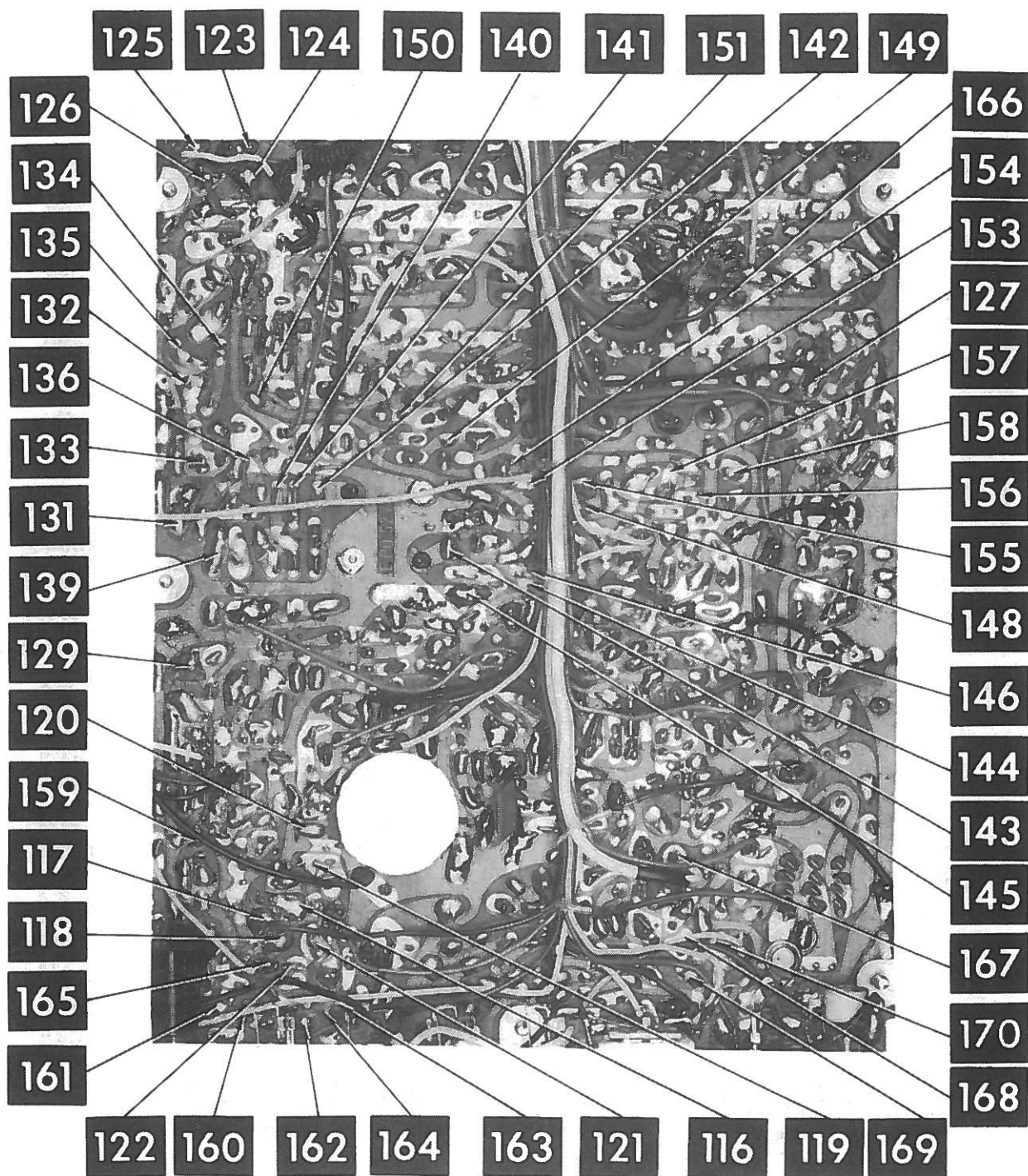


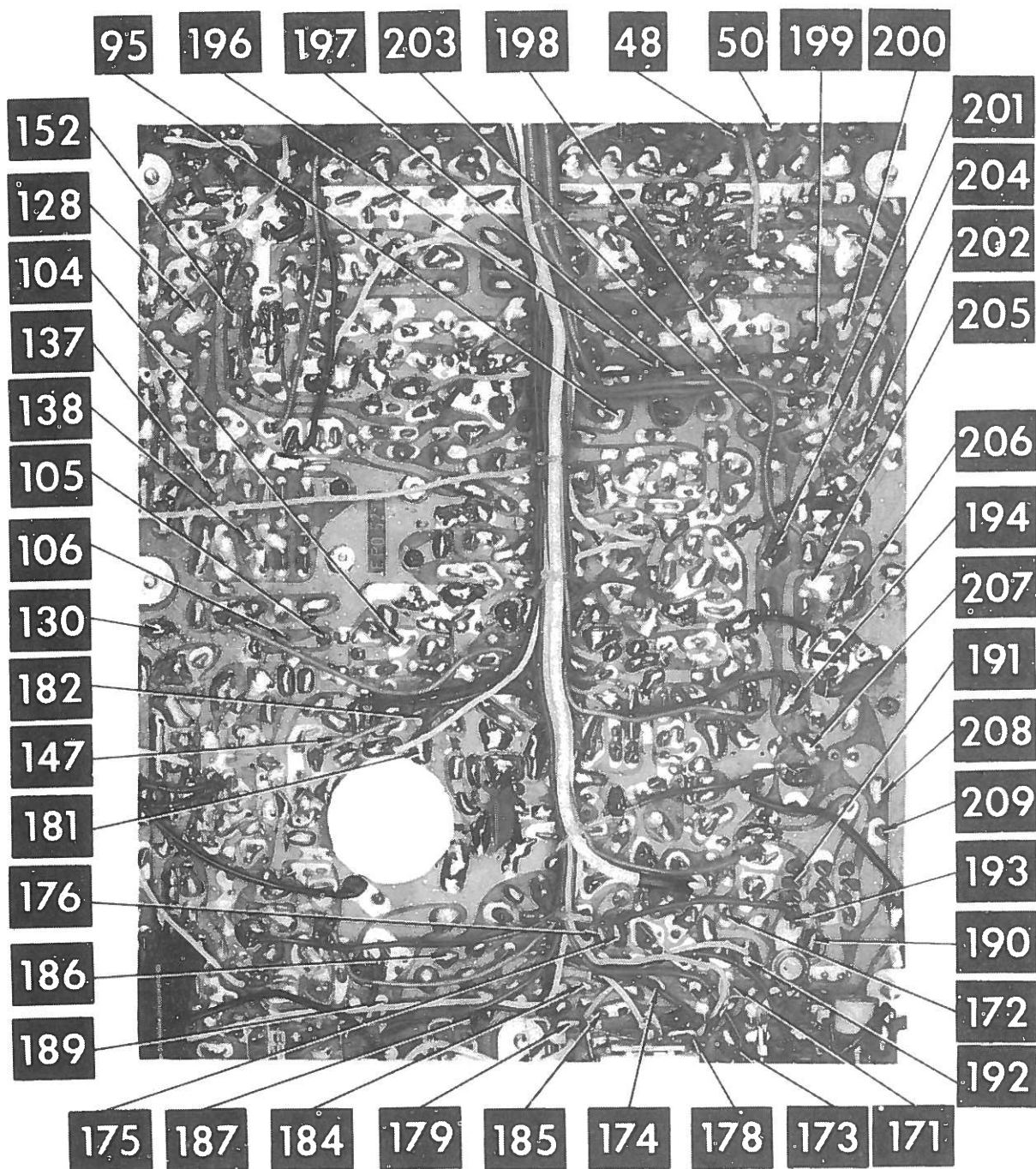


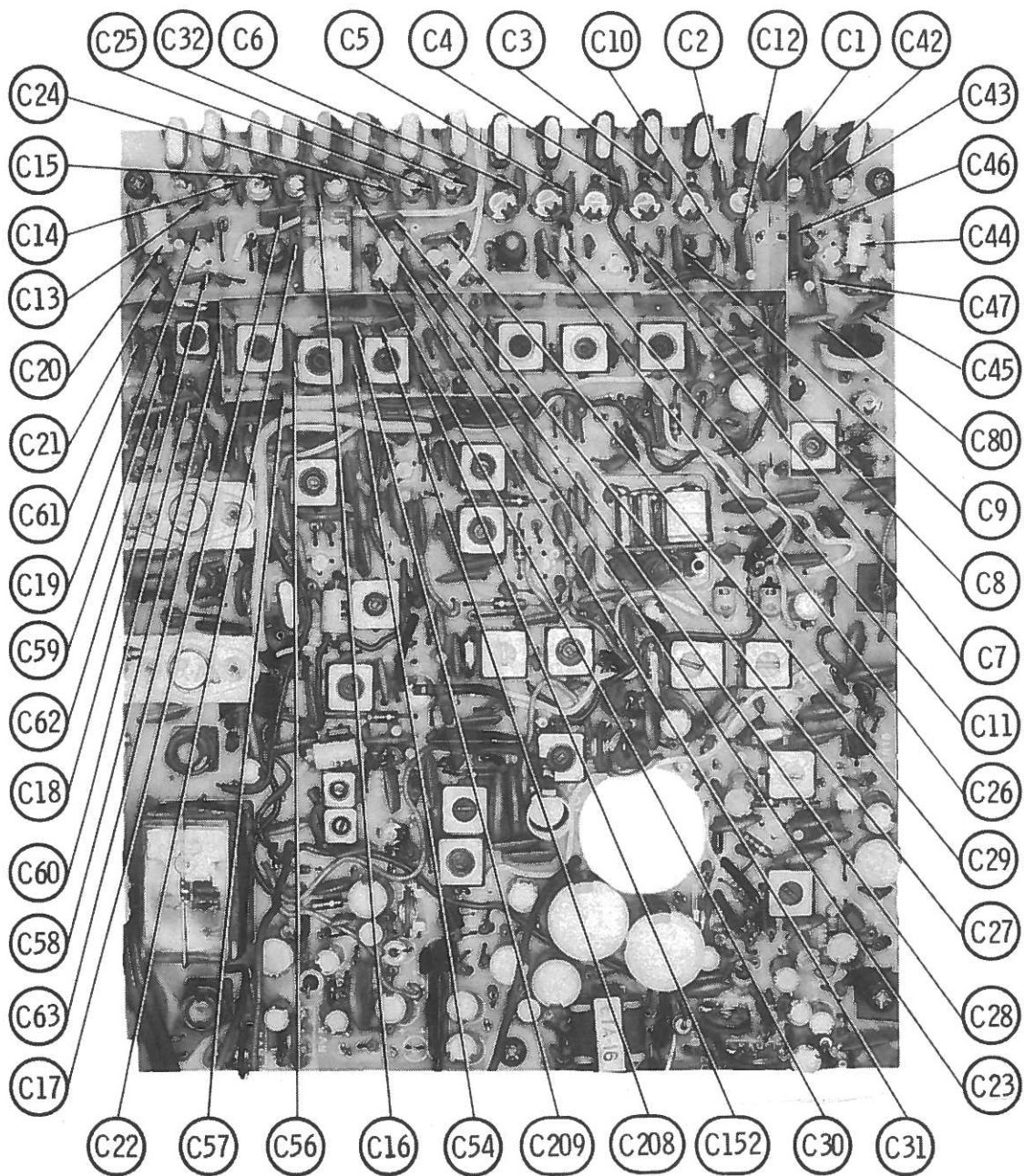


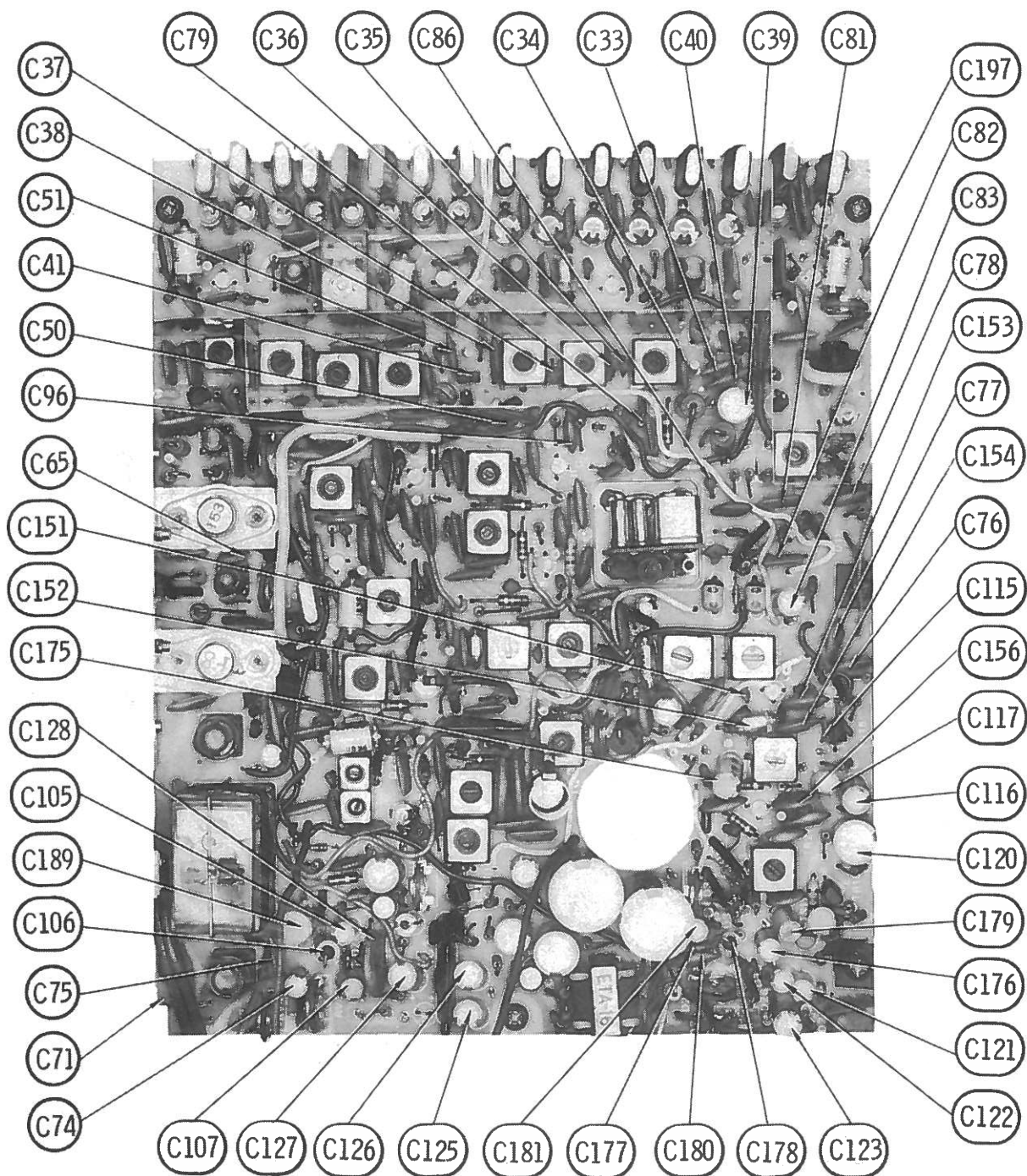


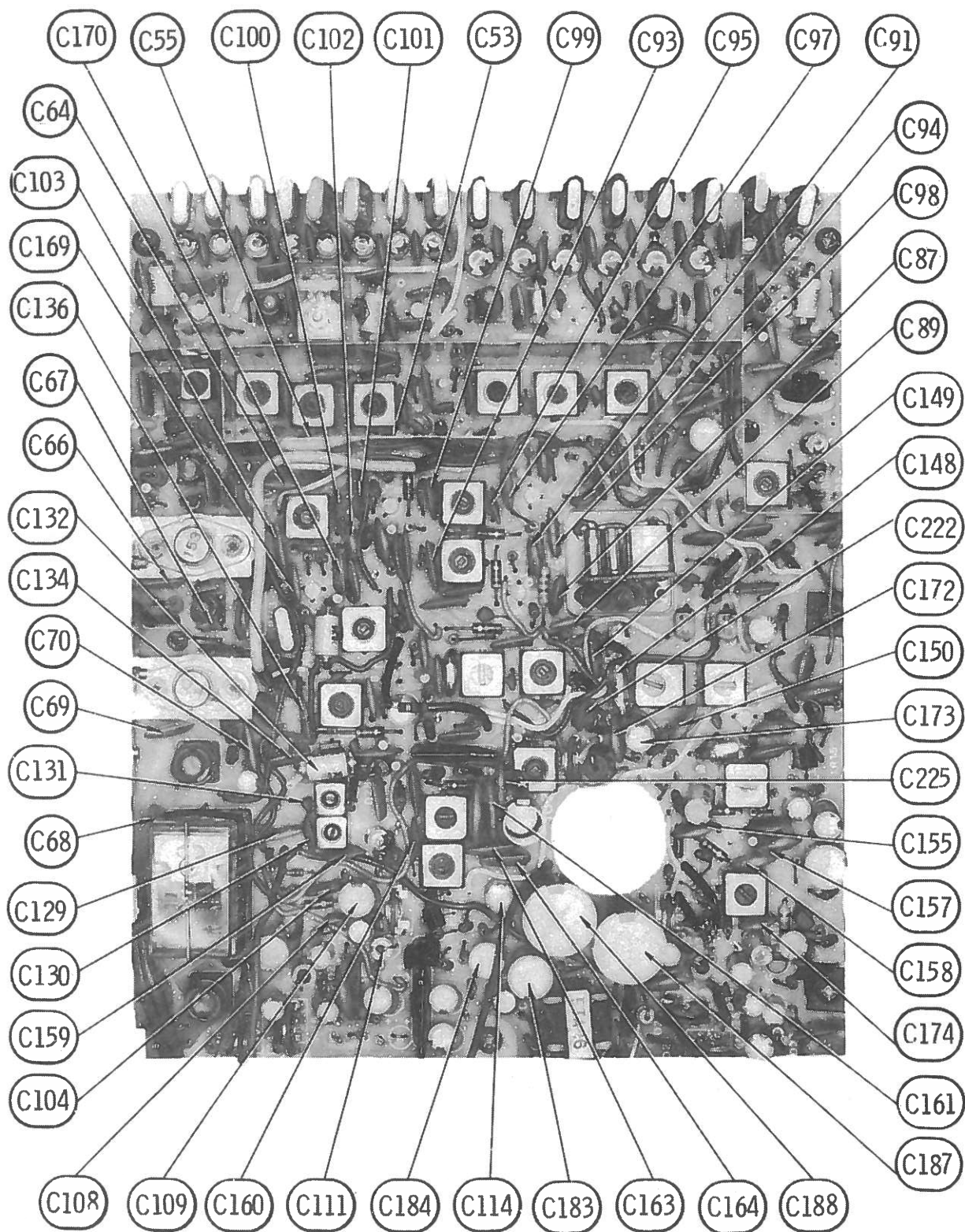


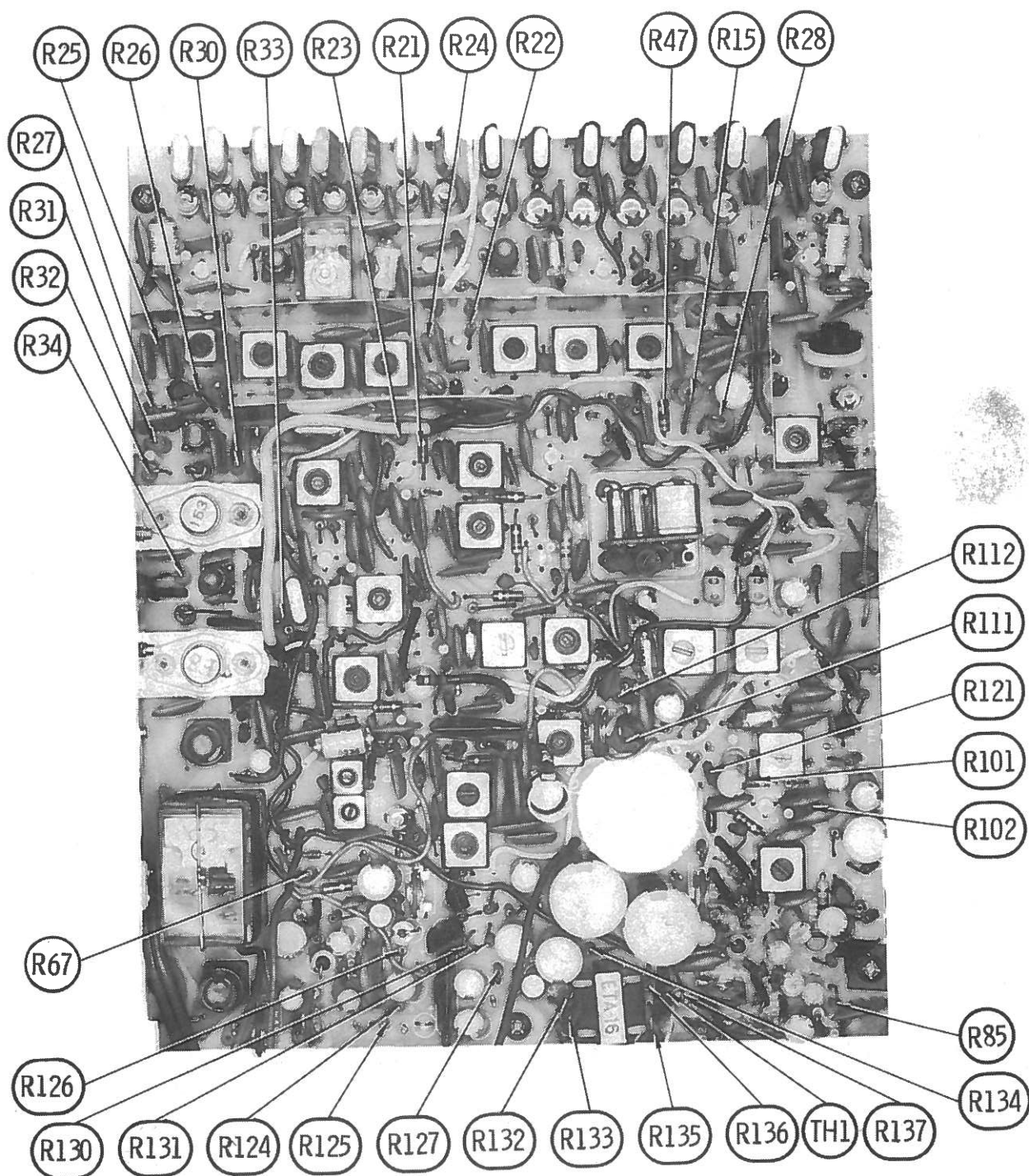


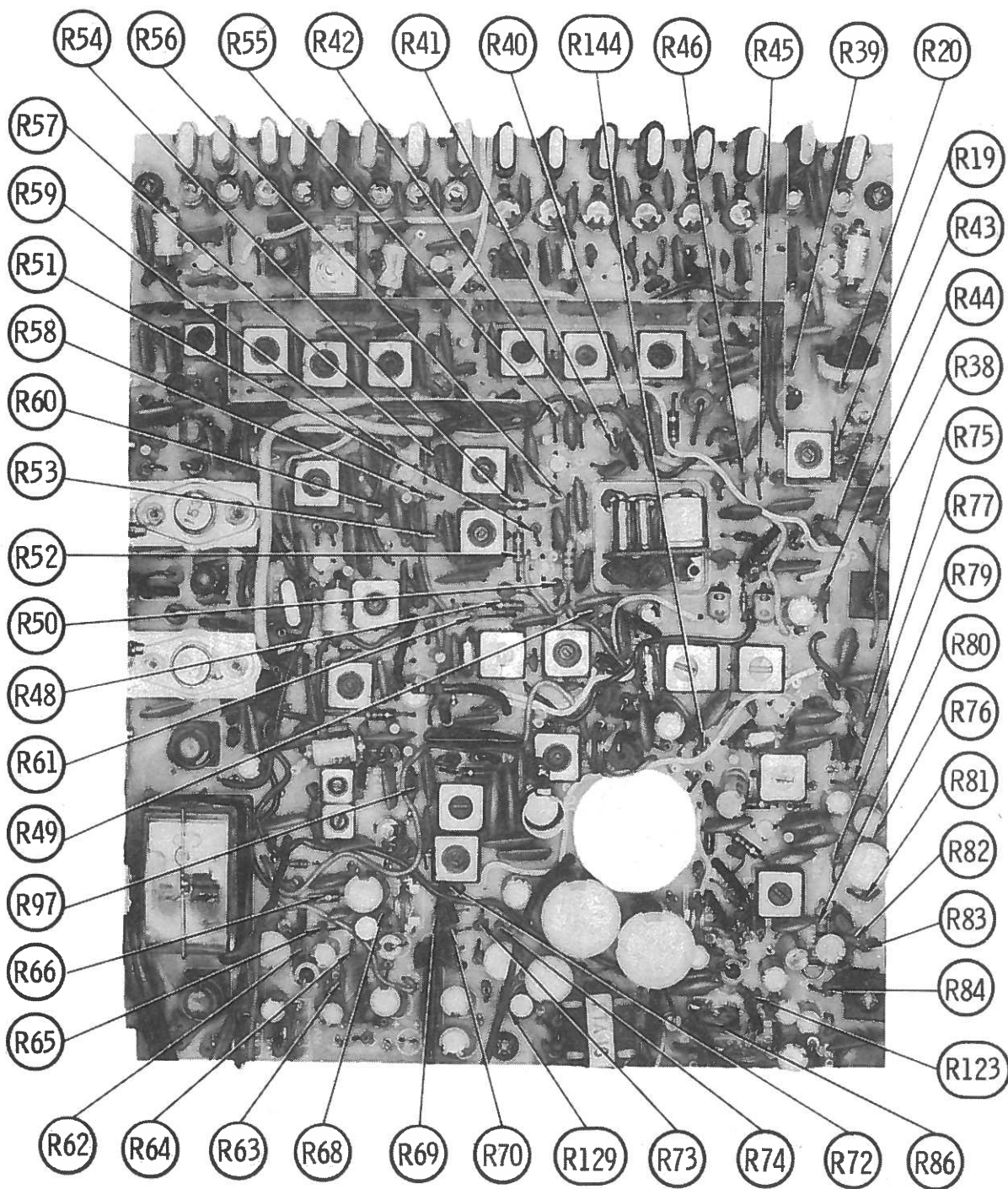


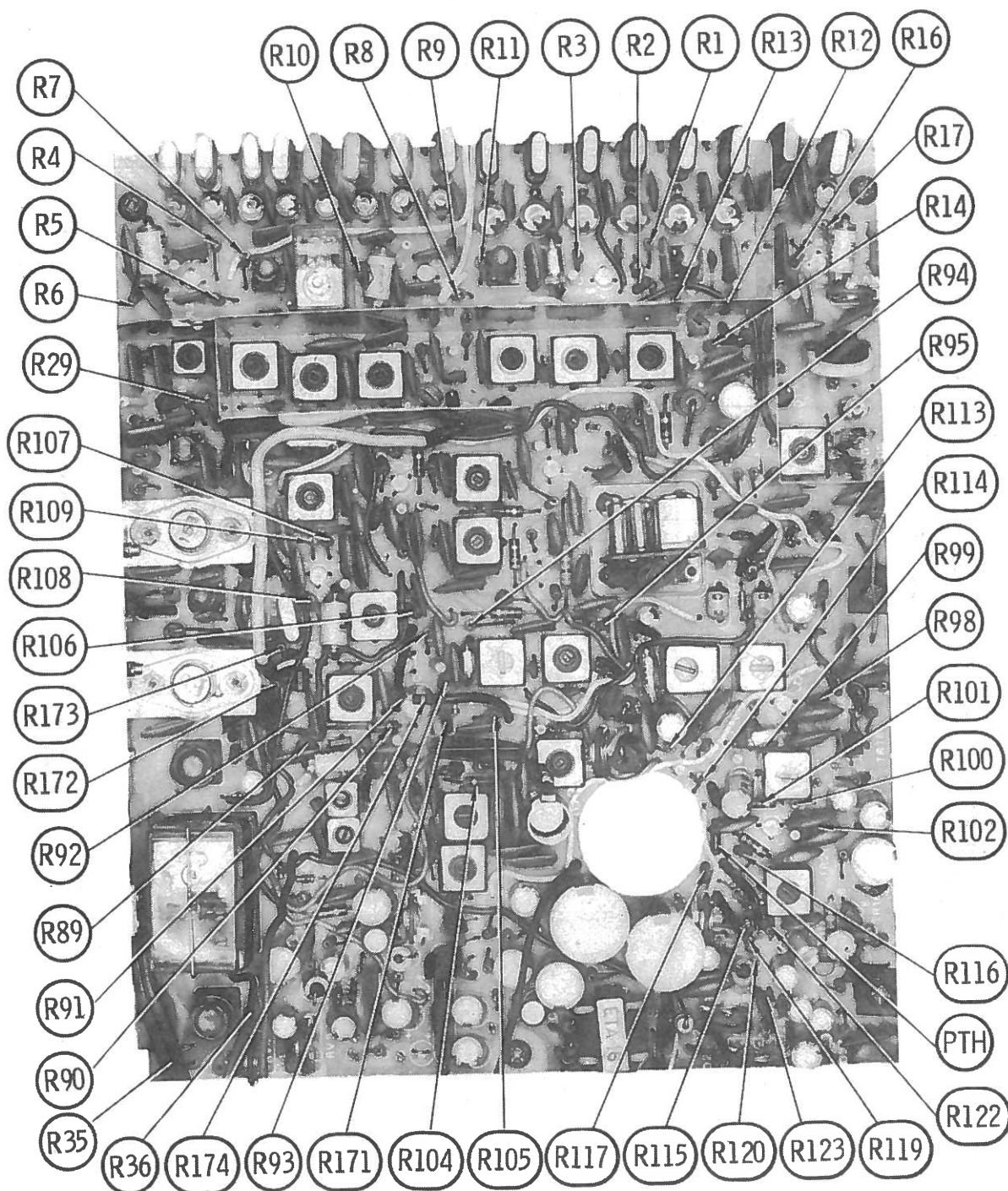


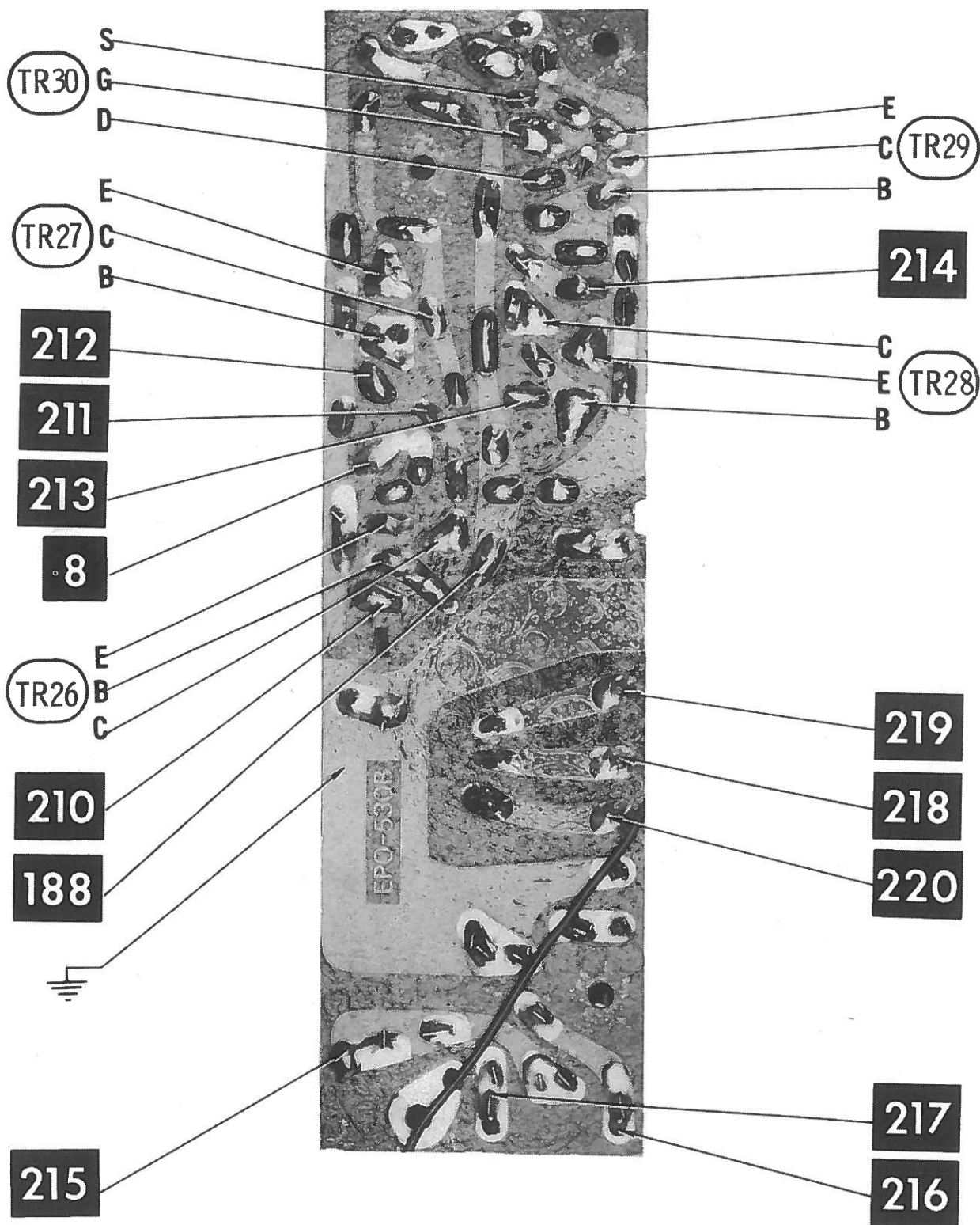


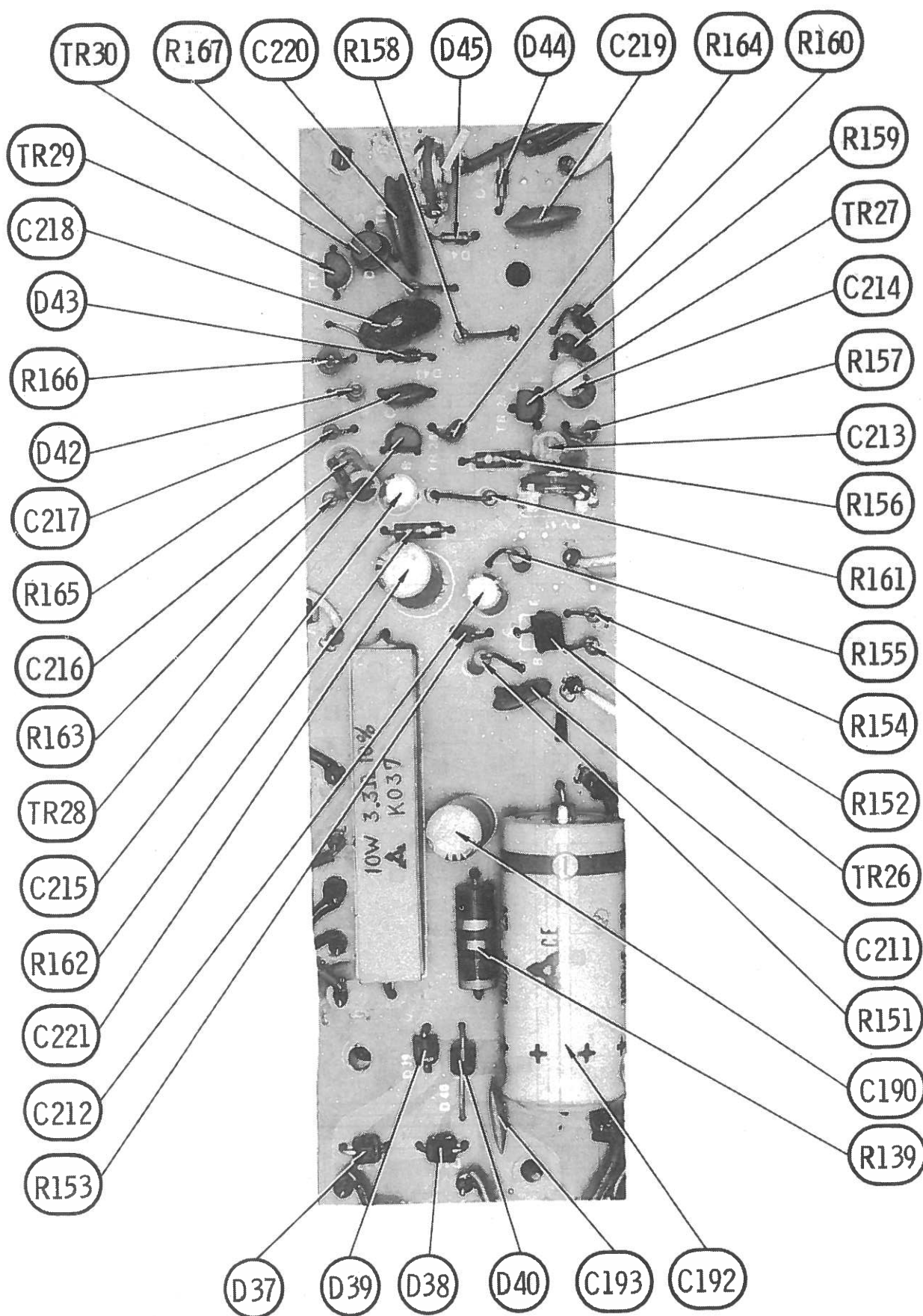


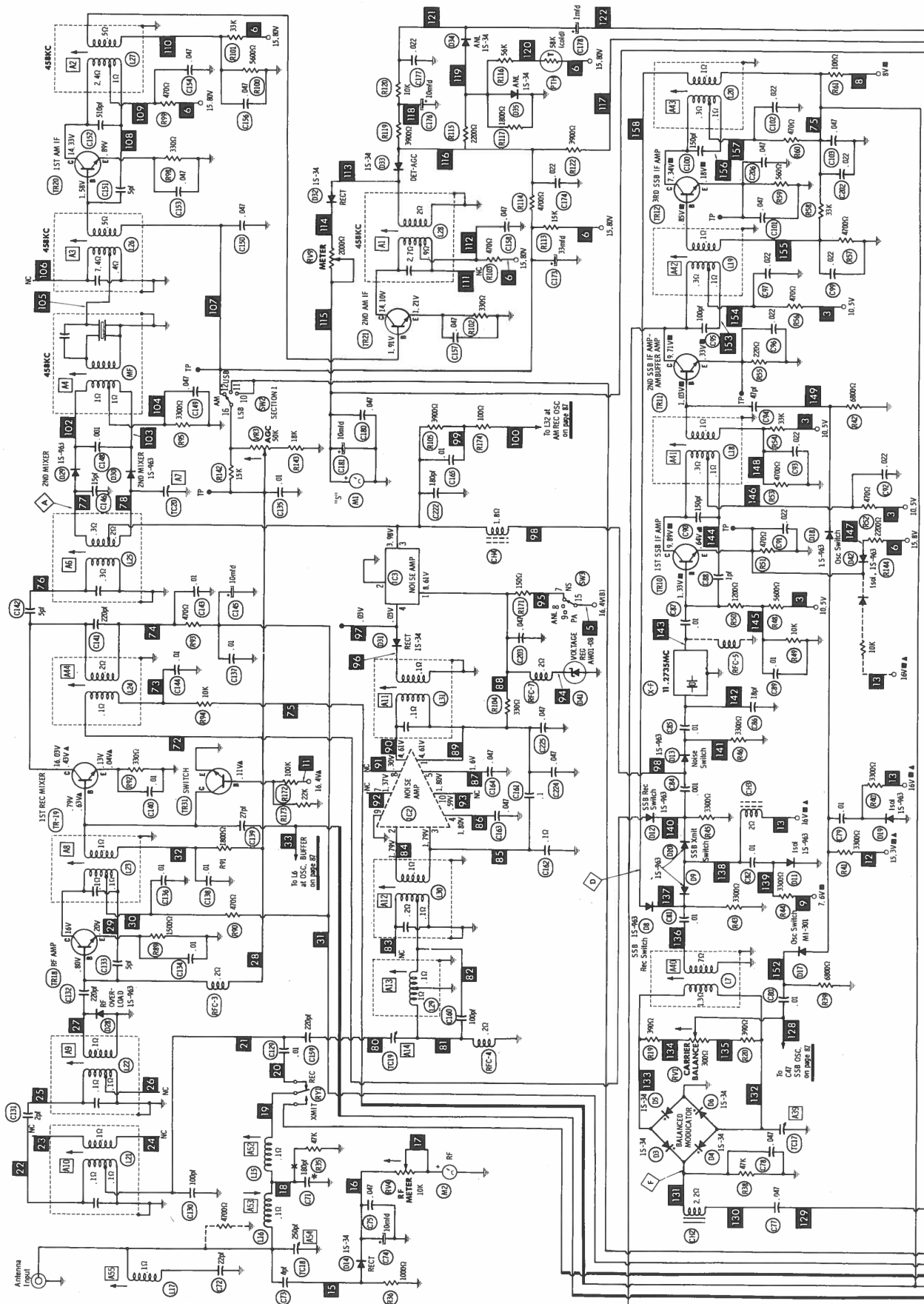


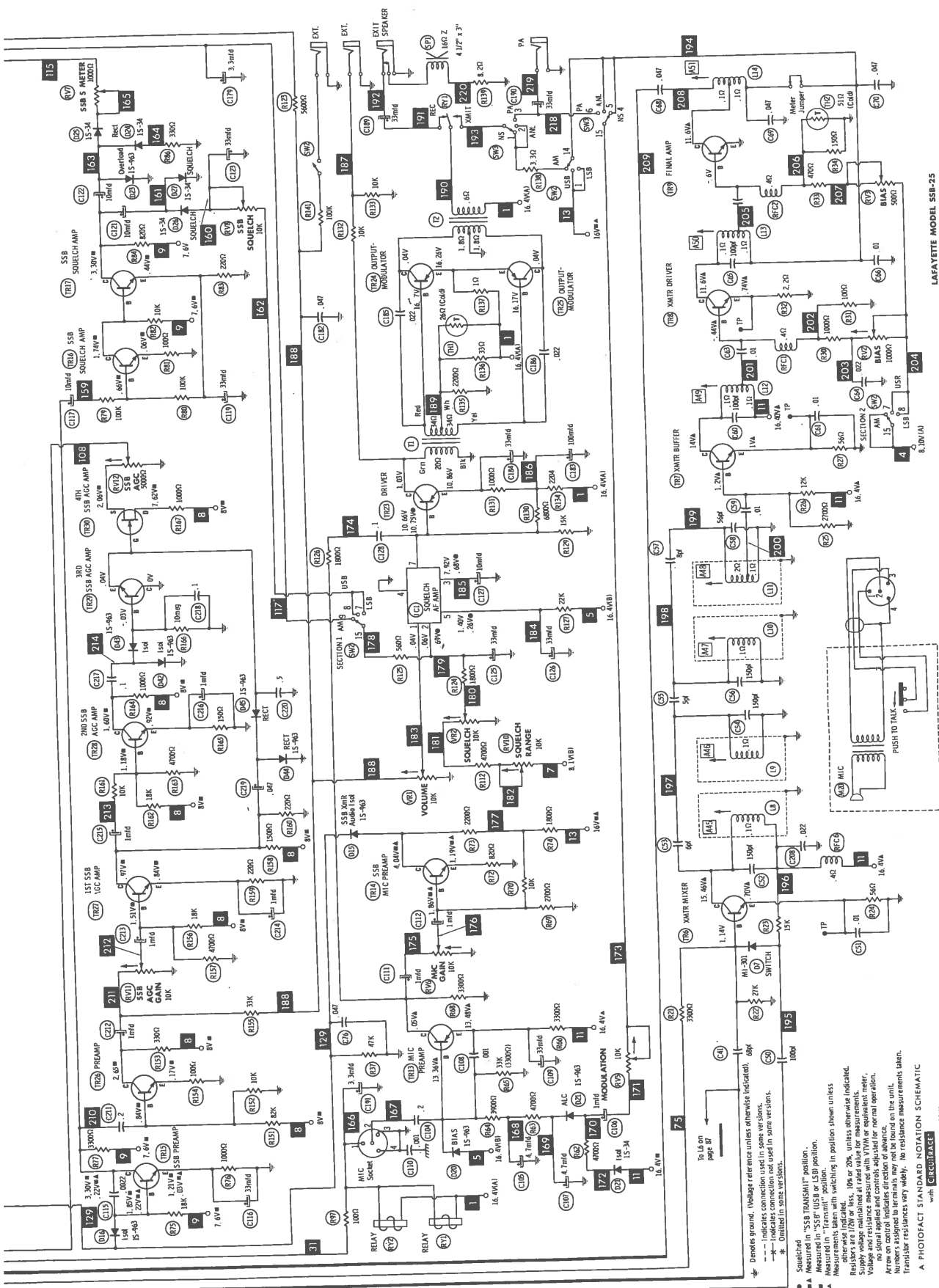










LAFAYETTE MODEL SSB-25

ARFAYETTE MODEL SSB-25

with **CIRCUITRACE**®

PARTS LIST AND DESCRIPTION

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

TRANSISTORS

ITEM No.	TYPE No.	FUNCTION	REPLACEMENT DATA					
			MFGR. PART No.	GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	MOTOROLA PART No.	RCA PART No.	SYLVANIA PART No.
TR1	2SC184	Synthesizer Osc.	1634-17	GE-20	IRTR-53	HEP56	SK3018	ECG 108
TR2	2SC183	AM & USB Osc.	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR3	2SC183	LSB Osc.	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR4	2SC815	Synthesizer Mixer	1879-17	GE-20	IRTR-53	HEP736	SK3024	ECG 123A
TR5	2SC183	SSB Osc.	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR6	2SC815	Xmtr. Mixer	1879-17	GE-20	IRTR-62	HEP736	SK3046	ECG 123A
TR7	2SC815	Xmtr. Buffer	1879-17	GE-20	IRTR-62	HEP736	SK3046	ECG 123A
TR8	2SC777	Xmtr. Driver	2062-17		IRTR-64	S3002	SK3049	ECG 128
TR9	2SCF8	Final Amp	1068-17		IRTR-65	S3001	SK3049	ECG 128
TR10	2SC183	1st SSB IF Amp	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR11	2SC183	2nd SSB IF -AM Buffer Amp	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR12	2SC183	3rd SSB IF Amp	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR13	2SB77	Mic Preamp	1060-17	GE-2	TR-05	HEP250	SK3004	ECG 102A
TR14	2SC458LG(B)	SSB Mic Preamp	1374-17	GE-20	TR-21	HEP53	SK3020	ECG 123A
TR15	2SC458LG(B)	SSB Rec. Amp	1374-17	GE-20	TR-21	HEP53	SK3020	ECG 123A
TR16	2SC945	SSB Squelch	2063-17	GE-20	TR-21	HEP728	SK3020	ECG 123A
TR17	2SC945	SSB Squelch Amp	2063-17	GE-20	TR-21	HEP728	SK3020	ECG 123A
TR18	2SC460(A)	RF Amp	1373-17	GE-20	TR-21	HEP53	SK3018	ECG 107
TR19	2SC184	1st Rec. Mixer	1634-17	GE-20	IRTR-53	HEP56	SK3018	ECG 108
TR20	2SC183	1st AM IF Amp	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR21	2SC183	2nd AM IF Amp	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR22	2SC183	2nd AM Rec. Osc.	1210-17	GE-20	IRTR-53	HEP56	SK3020	ECG 108
TR23	2SB77	Driver	1060-17	GE-2	TR-05	HEP250	SK3004	ECG 102A
TR24	2SB337	Output - Modulator	1559-17	GE-3	TR-01	HEP232	SK3009	ECG 121
TR25	2SB337	Output - Modulator	1559-17	GE-3	TR-01	HEP232	SK3009	ECG 121
TR26	2SC458LG(B)	Preamp	1374-17	GE-20	TR-21	HEP53	SK3020	ECG 123A
TR27	2SC945	1st SSB AGC Amp	2063-17	GE-20	TR-21	HEP728	SK3020	ECG 123A
TR28	2SC945	2nd SSB AGC Amp	2063-17	GE-20	TR-21	HEP728	SK3020	ECG 123A
TR29	2SC945	3rd SSB AGC Amp	2063-17	GE-20	TR-21	HEP728	SK3020	ECG 123A
TR30	2SK19	4th SSB AGC Amp		GE-FET-1	FE-100	HEP802		ECG 132
TR31	2SC458LG(B)	Switch	1374-17	GE-20	TR-21	HEP53	SK3020	ECG 123A

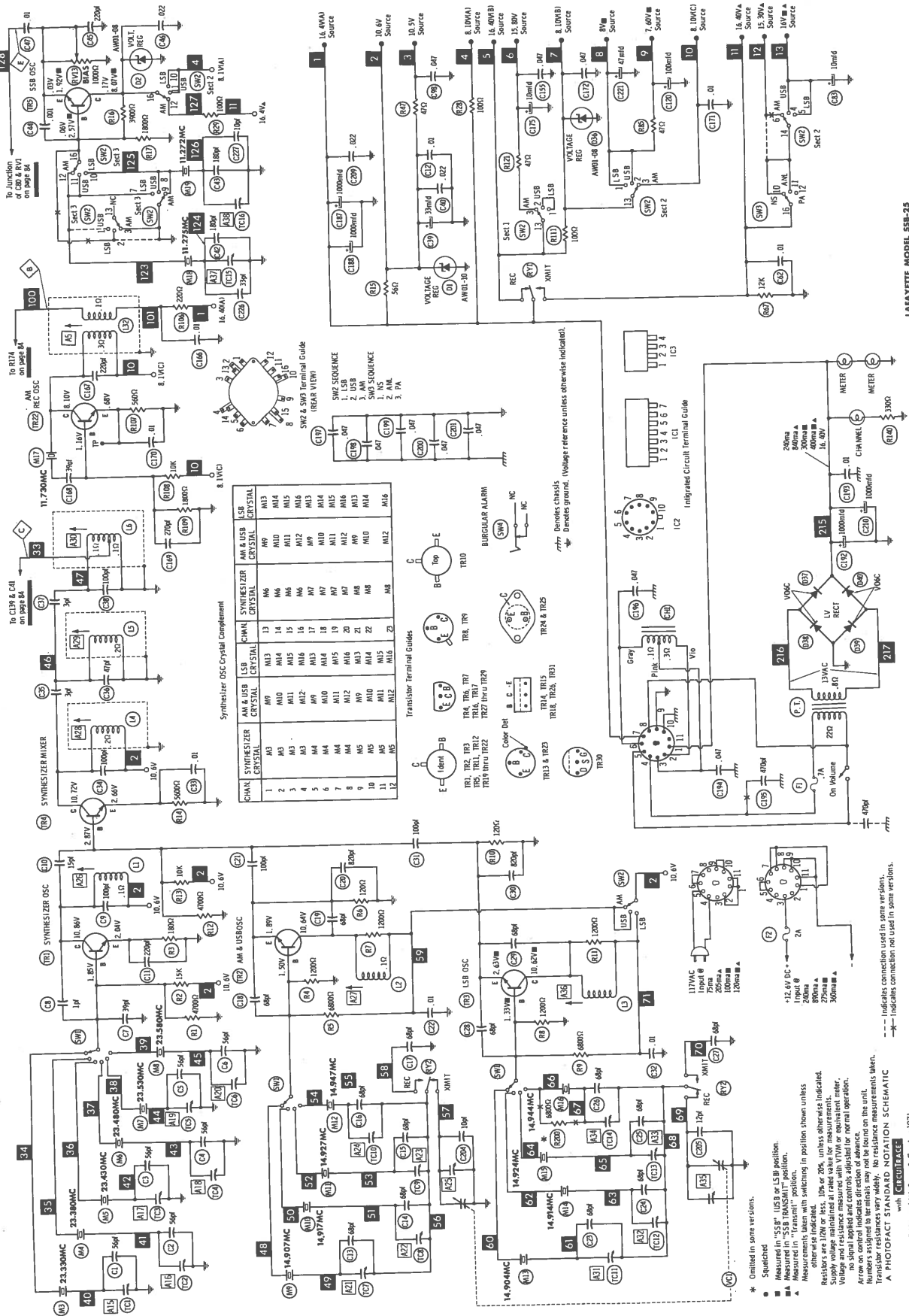
INTEGRATED CIRCUITS

ITEM No.	FUNCTION	MFGR. PART No.	REMARKS
IC2	Noise Amp	1008-25 (CA3011)	

POWER RECTIFIERS & SIGNAL DIODES

ITEM No.	MFGR. PART OR TYPE No.	REPLACEMENT DATA				NOTES
		GENERAL ELECTRIC PART No.	INTERNATIONAL RECTIFIER PART No.	RCA PART No.	SYLVANIA PART No.	
D1	2040-17	GEZD-10-4	Z1110	SK3061	ECG 140	10.6V Zener
D2	2064-17	GEZD-9.1	Z1108	SK3060	ECG 139	
D3	1S34	1N34AS	1N34A	SK3087	ECG 109	
D4	1S34	1N34AS	1N34A	SK3087	ECG 109	
D5	1S34	1N34AS	1N34A	SK3087	ECG 109	
D6	1S34	1N34AS	1N34A	SK3087	ECG 109	
D7	2065-17 (MI-301)					8V Zener
D8	1S-963	GE-300			ECG 117	
D9	1S-963	GE-300			ECG 117	
D10	1S-963	GE-300			ECG 117	
D11	1S-963	GE-300			ECG 117	
D12	1S-963	GE-300			ECG 117	
D13	1S-963	GE-300			ECG 117	
D14	1S34	1N34AS	1N34	SK3087	ECG 109	
D15	1S963	GE-300			ECG 117	
D16	1S-963	GE-300			ECG 117	
D17	2065-17 (MI-301)					
D18	1S-963	GE-300			ECG 117	
D19	1S-963	GE-300			ECG 117	
D20	1S-963	GE-300			ECG 117	
D21	1S-963	GE-300			ECG 117	
D22	1S34	1N34AS	1N34A	SK3087	ECG 109	
D23	1S-963	GE-300			ECG 117	
D24	1S34	1N34AS	1N34A	SK3087	ECG 109	
D25	1S34	1N34AS	1N34A	SK3087	ECG 109	
D26	1S34	1N34AS	1N34A	SK3087	ECG 109	
D27	1S34	1N34AS	1N34A	SK3087	ECG 109	
D28	1S-963	GE-300			ECG 117	8V Zener
D29	1S-963	GE-300			ECG 117	
D30	1S-963	GE-300			ECG 117	
D31	1S34	1N34AS	1N34A	SK3087	ECG 109	
D32	1S34	1N34AS	1N34A	SK3087	ECG 109	
D33	1S34	1N34AS	1N34A	SK3087	ECG 109	
D34	1S34	1N34AS	1N34A	SK3087	ECG 109	
D35	1S34	1N34AS	1N34A	SK3087	ECG 109	
D36	2064-17	GEZD-9.1	Z1108	SK3060	ECG 139	
D37	1949-17 (V06C)					
D38	1949-17 (V06C)					
D39	1949-17 (V06C)					
D40	1949-17 (V06C)					
D41	2064-17	GEZD-9.1	Z1108	SK3060	ECG 139	
D42	1S-693	GE-300			ECG 117	
D43	1S-693	GE-300			ECG 117	
D44	1S-693	GE-300			ECG 117	
D45	1S-693	GE-300			ECG 117	

(CONTINUED ON PAGE 88)



Indicates connection used in some versions.
Indicates connection not used in some versions.

PHOTOFACT STANDARD NOTATION SCHEMATIC
with CIRCULATED

© Howard W. Sams & Co., Inc. 1971

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING		REPLACEMENT DATA						
			PART No.	AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	GENERAL ELECTRIC PART No.	MALLORY PART No.	SPRAGUE PART No.
C39	33	16V	3104-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C74	10	10V	3102-12	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1128
C83	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C105	4.7	25V	3090-12	MCD-50	EP30-5	WBR5-50	MT1-3	MTV5CB50	TE-1202
C106	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C107	4.7	25V	3090-12	MCD-50	EP30-5	WBR5-50	MT1-3	MTV5CB50	TE-1202
C109	33	16V	3104-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C111	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C112	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C114	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C116	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C117	10	10V	3102-12	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1128
C119	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C120	100	10V	3004-12	MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CD15	TE-1132.1
C121	10	10V	3102-12	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1128
C122	10	10V	3102-12	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1128
C123	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C125	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C126	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C127	10	25V		MCD-70	EP30-10	WBR10-25	MT1-5	MTV10CB50	TE-1204
C145	10	16V	2986-12						
C173	33	10V	3089-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1132.1
C175	10	25V		MCD-70	EP30-10	WBR10-25	MT1-5	MTV10CB50	TE-1204
C176	10	10V	3102-12	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1128
C178	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C179	3.3	25V	3191-12	MCD-40	EP30-5	WBR5-50	MT1-3	MTV3CB50	TE-1302
C181	10	10V	3102-12	MCD-70	EP15-10	WBR10-25	MT1-5	MTV10CB50	TE-1128
C183	100	16V	3078-12	MCD-180	EP15-100	WBR100-16	MT1-19	MTV100CD15	TE-1162
C184	33	16V	3104-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C187	1000	16V	3055-12	PRS1230	EA15-1000	WBR1000-16	QT1-32	TC15018	TL-1166.5
C188	1000	16V	3055-12	PRS1230	EA15-1000	WBR1000-16	QT1-32	TC15018	TL-1166.5
C189	33	16V	3104-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C190	33	16V	3104-12	MCD-110	EP15-25	WBR35-50	MT1-13.5	MTV30CB25	TE-1158
C191	3.3	25V	3191-12	MCD-40	EP30-5	WBR5-50	MT1-3	MTV3CB50	TE-1302
C192	1000	25V	1925-12	PRS1395	EA50-1000	WBR1000-35	MT1-3	MTA100G25	TL-1317
C210	1000	25V	1925-12	PRS1395	EA50-1000	WBR1000-35		MTA100G25	TL-1317
C212	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C213	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C214	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C215	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C216	1	50V	3073-12	MCD-10	EP50-2	WBR1-50	MT1-1	MTV1CB50	TE-1300
C227	47	10V		MCD-130	EP15-50	WBR50-25	MT1-16	MTV50CB15	TE-1133

CAPACITORS

ITEM No.	RATING	REMARKS	REPLACEMENT DATA					
			AEROVOX PART No.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCOR PART No.	MALLORY PART No.	SPRAGUE PART No.
C1	56			DD-560		CD-560	GP456	10TS-Q56
C2	56			DD-560		CD-560	GP456	10TS-Q56
C3	56			DD-560		CD-560	GP456	10TS-Q56
C4	56			DD-560		CD-560	GP456	10TS-Q56
C5	56			DD-560		CD-560	GP456	10TS-Q56
C6	56			DD-560		CD-560	GP456	10TS-Q56
C7	39			DD-560		CD-560	GP456	10TS-Q56
C8	1			TCZ-39			CN0439	10TCC-Q39
C9	100			TCZ-1			CN0510	10TCC-V10
C10	15		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C11	220		NPO-DI 15	DTZ-15	NP015	CCT0-150	CN0415	10TCC-Q15
C12	.01			CPR-220J		DM-15-221J	SX322	MS-322
C13	68		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C14	68			DTZ-68			CN0468	10TCC-Q68
C15	68			DTZ-68			CN0468	10TCC-Q68
C16	68			DTZ-68			CN0468	10TCC-Q68
C17	68			DTZ-68			CN0468	10TCC-Q68
C18	68			DTZ-68			CN0468	10TCC-Q68
C19	68			DTZ-68			CN0468	10TCC-Q68
C20	820			DTZ-68			CN0468	10TCC-Q68
C21	100		GPD X5F101K	DD-101	CD19F821J500	DM-19-821	SX382	MS-382
C22	.01		TTP-01	CK-103	GP100	CCD-101	GP310	10TS-T10
C23	68			DTZ-68	MGP01	CCD-103	TA110	TG-S10
C24	68			DTZ-68			CN0468	10TCC-Q68
C25	68			DTZ-68			CN0468	10TCC-Q68
C26	68			DTZ-68			CN0468	10TCC-Q68
C27	68			DTZ-68			CN0468	10TCC-Q68
C28	68			DTZ-68			CN0468	10TCC-Q68
C29	68			DTZ-68			CN0468	10TCC-Q68
C30	820			DTZ-68			CN0468	10TCC-Q68
C31	100		GPD X5F101K	DD-101	CD19F821J500	DM-19-821	SX382	MS-382
C32	.01		TTP-01	CK-103	GP100	CCD-101	GP310	10TS-T10
C33	.01			CK-103	MGP01	CCD-103	TA110	TG-S10
C34	100		GPD X5F101K	CK-103	MGP01	CCD-103	TA110	TG-S10
C35	3		NPO-DI 3.0	DD-101	GP100	CCD-101	GP310	10TS-T10
C36	47							10TCC-V30
C37	3		NPO-DI 47	DTZ-47	NPO47	CCT0-470	CN0447	10TCC-Q47
C38	100		NPO-DI 3.0					10TCC-V30
C40	.022		GPD X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C41	68		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C42	180			DTZ-68			CN0468	10TCC-Q68
C43	180		GPD X5F181K	DD-181	GP180	CCD-181	GP318	10TS-T18
C44	.001		GPD X5F181K	DD-181	GP180	CCD-181	GP318	10TS-T18
				CPR-1000J	CD19F102J500	DM-19-102J	SX210	424ME1001J501

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.	CENTRALAB PART No.	CORNELL- DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C45	220		GP2 X5F221K	DD-221	GP220	CCD-221	GP322	10TS-T22
C46	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C47	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C50	100		GP2 X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C51	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C52	150		GP2 X5F151K	DD-151	GP150	CCD-151	GP315	10TS-T15
C53	6							10TCC-V56
C54	150		GP2 X5F151K	DD-151	GP150	CCD-151	GP315	10TS-T15
C55	5		NPO-DI 5.0		NP05			10TCC-V50
C56	150		GP2 X5F151K	DD-151	GP150	CCD-151	GP315	10TS-T15
C57	8		NPO-DI 8.2		NP08P2			10TCC-V82
C58	56		GP2 X5F560K	DD-560		CCD-560	GP456	10TS-Q56
C59	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C60	100		GP2 X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C61	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C62	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C63	.01		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C64	.022		TTP-01	CK-103	GP100	CCD-101	GP310	10TS-T10
C65	100		GP2 X5F101K	DD-101	MGP01	CCD-103	TA110	TG-S10
C66	.01		TTP-01	CK-103	GP1000	CCD-102	SM210	2SS-D10
C67	.001		GP2 X5F102K	DM-102	MGP05	CCD-503	TA150	TGL-S50
C68	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C69	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C70	.047		TTP-05	CK-503	MGP05	CCD-503	GP318	10TS-T18
C71	180		GP2 X5F181K	DD-181	GP180	CCD-181	CN0420	10TCC-Q20
C72	22		NPO-DI 20	DTZ-20	NP020	CCTO-200		10TCC-V39
C73	4				NP03P9			
C75	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C76	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C77	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C78	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C79	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C80	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C81	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C82	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C84	.001		GP2 X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10
C85	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C86	18			TCZ-18	NP018	CCTO-180	CN0418	10TCC-Q18
C87	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C88	1		NPO-DI 1.0	TCZ-1			CN0510	10TCC-V10
C89	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C90	150		GP2 X5F151K	DD-151	GP150	CCD-151	GP315	10TS-T15
C91	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C92	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C93	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C94	47		NPO-DI 47	DTZ-47	NP047	CCTO-470	CN0447	10TCC-Q47
C95	100		GP2 X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C96	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C97	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C98	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C99	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C100	150		GP2 X5F151K	DD-151	GP150	CCD-151	GP315	10TS-T15
C101	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C102	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C103	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C104	.2		DBE6P22		DPMS4P22	4DP-5-224	PVC4022	4PS-P22
C108	.001		GP2 X5F102K	DM-102	GP1000	CCD-102	SM210	2SS-D10
C115	.002		GP2 X5F202K	DM-202	GP2000	CCD-202	GP220	2SS-D20
C128	.1		TTP-1	CK-104			TA010	TG-P10
C129	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C130	100		GP2 X5F151K	DD-151	GP150	CCD-151	GP315	10TS-T15
C131	2		NPO-DI 2.2	DTZ-2R2	NP02P2		CN0522	10TCC-V22
C132	220			CPR-220J		DM-15-221J	SX322	MS-322
C133	5		NPO-DI 5.0		NP05			10TCC-V50
C134	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C135	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C136	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C137	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C138	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C139	.27		TTP-01	TCZ-27	NP027	CCTO-270	CN0427	10TCC-Q27
C140	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C141	220			CPR-220J		DM-15-221J	SX322	MS-322
C142	5		NPO-DI 5.0		NP05			10TCC-V50
C143	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C144	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C146	15		NPO-DI 15	DTZ-15	NP015	CCTO-150	CN0415	10TCC-Q15
C148	.001			CPR-1000J	CD19F102J500	DM-19-102J	SX210	424ME1001J501
C149	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C150	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C151	5		NPO-DI 5.0		NP05			10TCC-V50
C152	510			CPR-510J		DM-16-511J	SX351	MS-351
C153	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C154	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C155	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C156	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C157	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C158	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C159	220		GP2 X5F221K	DD-221	GP220	CCD-221	GP322	10TS-T22
C160	100		GP2 X5F101K	DD-101	GP100	CCD-101	GP310	10TS-T10
C161	.1		TTP-1	CK-104			TA010	TG-P10
C162	.1		TTP-1	CK-104			TA010	TG-P10
C163	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C164	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C165	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C166	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C167	220			CPR-220J		DM-15-221	SX322	MS-322
C168	39			TCZ-39			CN0439	10TCC-Q39
C169	270		GP2 X5F271K	DD-271	GP270	CCD-270	GP327	10TS-T27

LAFAYETTE MODEL SSB-25

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.	CENTRALAB PART No.	CORNELL-DUBILIER PART No.	ELMENCO PART No.	MALLORY PART No.	SPRAGUE PART No.
C170	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C171	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C172	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C174	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C177	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C180	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C182	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C185	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C186	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C193	.01		TTP-01	CK-103	MGP01	CCD-103	TA110	TG-S10
C194	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C195	.470		GPD X5F471K	DD-471	GP470	CCD-471	GP347	10TS-T47
C196	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C197	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C198	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C199	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C200	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C201	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C202	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C203	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C204	10		NPO-DI 10	DTZ-10	NPO10	CCTO-100	CN0410	10TCC-Q10
C205	10		NPO-DI 10	DTZ-10	NPO10	CCTO-100	CN0410	10TCC-Q10
C206	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C208	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C209	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C211	.2						MAG25022	
C217	.1		TTP-1	CK-104			TA010	TG-P10
C218	.1		TTP-1	CK-104			TA010	TG-P10
C219	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C220	.5							
C222	180		GPD X5F181K	DD-181	GP180	CCD-181	GP318	10TS-T18
C224	.022		TTP-02	CK-203	MGP02	CCD-203	TA120	TG-S20
C225	.047		TTP-05	CK-503	MGP05	CCD-503	TA150	TGL-S50
C226	35		NPO-DI 33	DTZ-33	NPO33	CCTO-330	CN0433	10TCC-Q33
C227	10		NPO-DI 10	DTZ-10	NPO10	CCTO-100	CN0410	10TCC-Q10
TC1	50 (1)	#3190-12						
TC2	50 (1)	#3190-12						
TC3	50 (1)	#3190-12						
TC4	50 (1)	#3190-12						
TC5	50 (1)	#3190-12						
TC6	50 (1)	#3190-12						
TC7	20 (1)	#3189-12						
TC8								
TC9								
TC10								
TC11								
TC12								
TC13								
TC14								
TC15								
TC16								
TC17	20 (1)	#3189-12						
TC18		#3185-12						
TC19	20 (1)	#3189-12						
TC20	20 (1)	#3189-12						
VC1		#3786-12						

Lafayette Part Number.

(1) Nominal Value.

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.	CTS-IRC PART No.	MALLORY PART No.
VR1	Volume/Switch	10K					
VR2	Squelch	10K	1580-11 (ERV-35)				
VR3	RF Gain (AGC)	50K	1581-11 (ERV-37)				
RV1	Carrier Balance	300		T-300 or TSV-500		X201R351B	MTC32L1
RV2	Bias	1000		TSV-1K (1) or T-1000 (1)		X201R102B(1)	MTC13L1 (1)
RV3	Bias	500		TSV-500 (1) or T-500 (1)		X201R501B(1)	MTC52L1(1)
RV4	RF Meter Adjust	10K		TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
RV5	Modulation Adjust	10K		TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
RV6	Mic Gain	10K		TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
RV7	"SSB" "S" Meter Adjust	1000		TSV-1K(1) or T-1000 (1)		X201R102B (1)	MTC13L1 (1)
RV8	"SSB" Squelch	10K		TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
RV9	Meter Adjust	2000		TSV-2.5K (1) or T-2500(1)		X201R252B (1)	MTC23L1 (1)
RV10	Squelch Range	10K		TSV-10K (1) or T-10K (1)		X201R103B (1)	MTC14L1 (1)
RV11	"SSB" AGC Gain	10K		TSV-10K or T-10K		X201R103B	MTC14L1
RV12	"SSB" AGC	5000		TSV-5K or T-5000		X201R502B	MTC53L1
RV13	Bias	1000		TSV-1K (1) or T-1000 (1)		X201R102B (1)	MTC13L1 (1)

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

PARTS LIST AND DESCRIPTION (CONTINUED)

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

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
TH1	26 ohms (Cold)	FR26.5	2035-17

ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.
TH2	51 ohms (Cold)	FR-50	2035-17

COILS (RF-IF)

ITEM No.	USE	REPLACEMENT DATA			
		PART No.	MEISSNER PART No.	MILLER PART No.	WORKMAN PART No.
CH3	RF Choke	2543-23		74F476AP	T819
CH4	RF Choke	2543-23		74F476AP	T819
L1	Synthesizer Osc.	2218-23			
L2	USB/AM Osc	2219-23			
L3	LSB Osc	2319-23			
L4	Synthesizer Osc Mixer (Pri)	2220-23			
L5	Synthesizer Osc.Mixer Output (Pri)	2221-23			
L6	Synthesizer Osc. Mixer Output (Sec)	2222-23			
L7	Balance Modulator Output	2026-24			
L8	Xmtr. Mixer Input (Pri)	2220-23			
L9	Xmtr. Mixer Input (Sec)	2220-23			
L10	Xmtr. Mixer Output (Pri)	2220-23			
L11	Xmtr. Mixer Output (Sec)	2027-24			
L12	Xmtr. Buffer Output	2028-24			
L13	Xmtr. Driver	2028-24			
L14	Final Output	2029-24			
L15	P1 Network	2030-24			
L16	P1 Network	2215-23			
L17	TVI Trap	2216-23			
L18	SSB IF Input	3021-24			
L19	SSB IF Interstage	3021-24			
L20	SSB IF Output	3021-24			
L21	Ant. Matching Input	2032-24			
L22	Ant. Matching Output	2032-24			
L23	RF	2033-24			
L24	SSB Takeoff	2034-24			
L25	Input IF	2035-24			
L26	AM Interstage IF	2036-24			
L27	AM Interstage IF	2037-24			
L28	AM Output IF	2038-24			
L29	Ant.Matching Input(Noise)	2039-24			
L30	Ant.Matching Output(Noise)	2040-24			
L31	IF Output (Noise)	2042-24			
L32	AM Rec. Osc.	2041-24			
MF	Mechanical Filter	2043-24			
RFC1	RF Choke	2344-23		74F186AP	T811
RFC2	RF Choke	2344-23		74F186AP	T811
RFC3	RF Choke	2344-23		74F186AP	T811
RFC4	RF Choke	2344-23		74F186AP	T811
RFC7	RF Choke			74F126AP	T807

LAFAYETTE MODEL SSB-25

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.	
CH1	820ma	.4 Tap @ .1	1.7mh Tap @ 15uh	1635-15				

TRANSFORMER (Power)

ITEM No.	RATING		REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
PT	117 VAC @ 890ma	13VAC @ 400ma	1633-15				

TRANSFORMER (Driver)

ITEM No.	TURNS RATIO			REPLACEMENT DATA				NOTES
	PRI.	SEC. 1	S.C. 2	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD Part No.	
T1	2	1		1636-15				

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA				NOTES
	PRI.	SEC.	MFGR. PART No.	STANCOR PART No.	THORDARSON PART No.	TRIAD PART No.	
T2	6.2	3.2	1634-15				

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	4 1/2" x 3" PM 16 ohms	1226-36	35A2Z16	

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	.7 A Fuse	3414-20	1923-19	AGC 3/4	HKP	3.2.750	342001A	

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
IC1	Squelch Amp	1007-25	Module
IC3	Noise Amp	1009-25	Module
M1	Meter	1153-27	"S" (AM-SSB)
M2	Meter	1154-27	RF
M3	Crystal		23.330MC
M4	Crystal		23.380MC
M5	Crystal		23.430MC
M6	Crystal		23.480MC
M7	Crystal		23.530MC
M8	Crystal		23.580MC
M9	Crystal		14.907MC
M10	Crystal		14.917MC
M11	Crystal		14.927MC
M12	Crystal	1213-35	14.947MC
M13	Crystal		14.904MC
M14	Crystal		14.914MC
M15	Crystal		14.924MC
M16	Crystal	1217-35	14.944MC
M17	Crystal	1223-35	11.730MC
M18	Crystal	1221-35	11.275MC
M19	Crystal	1222-35	11.272MC
RY1	Relay	1063-37	
RY2	Relay	1064-37	
SW1	Switch, Channel Selector	1730-14	
SW2	Switch, Band Selector	1731-14	
SW3	Switch, NS-ANL-PA	1732-14	
SW4	Switch, Burglar Alarm	1733-14	
XF	Crystal Filter	1206-35	

MICROPHONE

ITEM No.	REPLACEMENT DATA			REMARKS
	MFGR. PART No.	RCA REPLACEMENT	RCA STEP UP REPLACEMENT	
M20	1076-34	HK-107	HK-101	

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

ITEM	PART No.	ITEM	PART No.
Cabinet (Bottom)	6618-10	Knob, Fine Tuning	1737-18
Cabinet (Front)	6626-10	Knob (Noise-ANL-PA)	1736-18
Cabinet (Top)	6619-10	Knob, Squelch	1736-18
Dial (Channel)	6624-10	Knob, RF Gain	1736-18
Knob Channel	1735-18	Knob, Volume	1736-18

WIRING DATA

General-use Hook-up Wire	Use BELDEN No. 8530 (Solid) Available in 12 Colors
Shielded Antenna Lead	8524 (Stranded) Available in 12 Colors
	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)
Ignition Noise Suppression	8496 3-Conductor, 1 Shielded, for Press-to-Talk (Vinyl)
Bonding Strap	Use BELDEN No. 7300-Series Spark-Plug Sets
	8661 (3/8 In.)