

PHOTOFACT® with

CIRCUITRACE®

For Supplier Address See PHOTOFACT Index

NOTE

Repair or adjustment of transmitter circuits must be under supervision of a person with first-or second-class radiotelephone license.

(Refer to FCC Rules and Regulations Part 95, Subpart C & D.)

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

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

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



BROWNING MODEL SST-2

MODEL SST-2

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

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ALIGNMENT INSTRUCTIONS

CAUTION: Use isolation transformer or observe polarity when connecting test equipment.
 Maintain line voltage at 120V AC. Allow a 15-minute warm-up period.
 Adjustments made with 13.8-volt DC input.
 Connect low sides of test equipment to ground unless specified otherwise.
 Connect 50-ohm dummy load or antenna before keying transmitter.
 Suggested Alignment Tools: GC ELECTRONICS:
 L13, T4 thru T8, T13 5009
 L3, L4, L5, L11, L12, L14, T1, T2, T3, T9 9440
 C173 5000

SYNTHESIZER ALIGNMENT

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Input of frequency counter to TP20.	Ch. 11		Check for 5.120MHz.
Input of frequency counter to TP1.	Ch. 11	L12	Connect a jumper from TP10 to ground. Adjust L12 for 21.600MHz.
	Ch. 11, XMT	L11	Adjust L11 for 26.300MHz. Remove jumper from TP10.
	Ch. 11 Delta Tune Midrange.	L14	Adjust for 10.825MHz.
	Ch. 11, XMT	C173	Adjust for 27.085MHz.
Input of oscilloscope to TP21.	Ch. 11	L13	Adjust L13 for MINIMUM squaring.
Input of RF VTVM to TP3.	Ch. 11	T13	Adjust for maximum.

RECEIVER ALIGNMENT

Connect an AC VTVM or AF wattmeter across speaker voice coil.
 Adjust volume control to obtain a suitable indication.
 Set generator output low enough to prevent AGC limiting.

TEST EQUIPMENT	TRANSCIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to TP3. 455kHz, 1000Hz @ 30% modulation.	Ch. 13 Delta Tune Midrange.	T8,T7,T6	Adjust for maximum output.
Output of signal generator thru .01uF to TP1. 4.665MHz, 1000Hz @ 30% modulation.	Ch. 13	T5,T4	Adjust for maximum output.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation.	Ch. 13	T3,T2,T1	Adjust for maximum output. Repeat above steps, if necessary.

RECEIVER ADJUSTMENTS

Connect an AC VTVM or AF wattmeter across speaker voice coil.
Adjust volume control to obtain a suitable indication.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 500uV.	Ch. 13 Delta Tune Midrange.	R60	SQUELCH RANGE Set squelch control R61 fully clockwise. Adjust R60 so that squelch just breaks.
Output of signal generator thru .01uF to antenna jack. 27.115MHz, 1000Hz @ 30% modulation. Output 100uV.	Ch. 13	R28	S METER Adjust R28 for 9 on S scale of meter.

BROWNING MODEL SST-2

TRANSMITTER ALIGNMENT

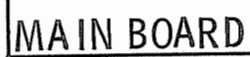
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after alignment of transmitter.
See page 4 for channel frequencies.

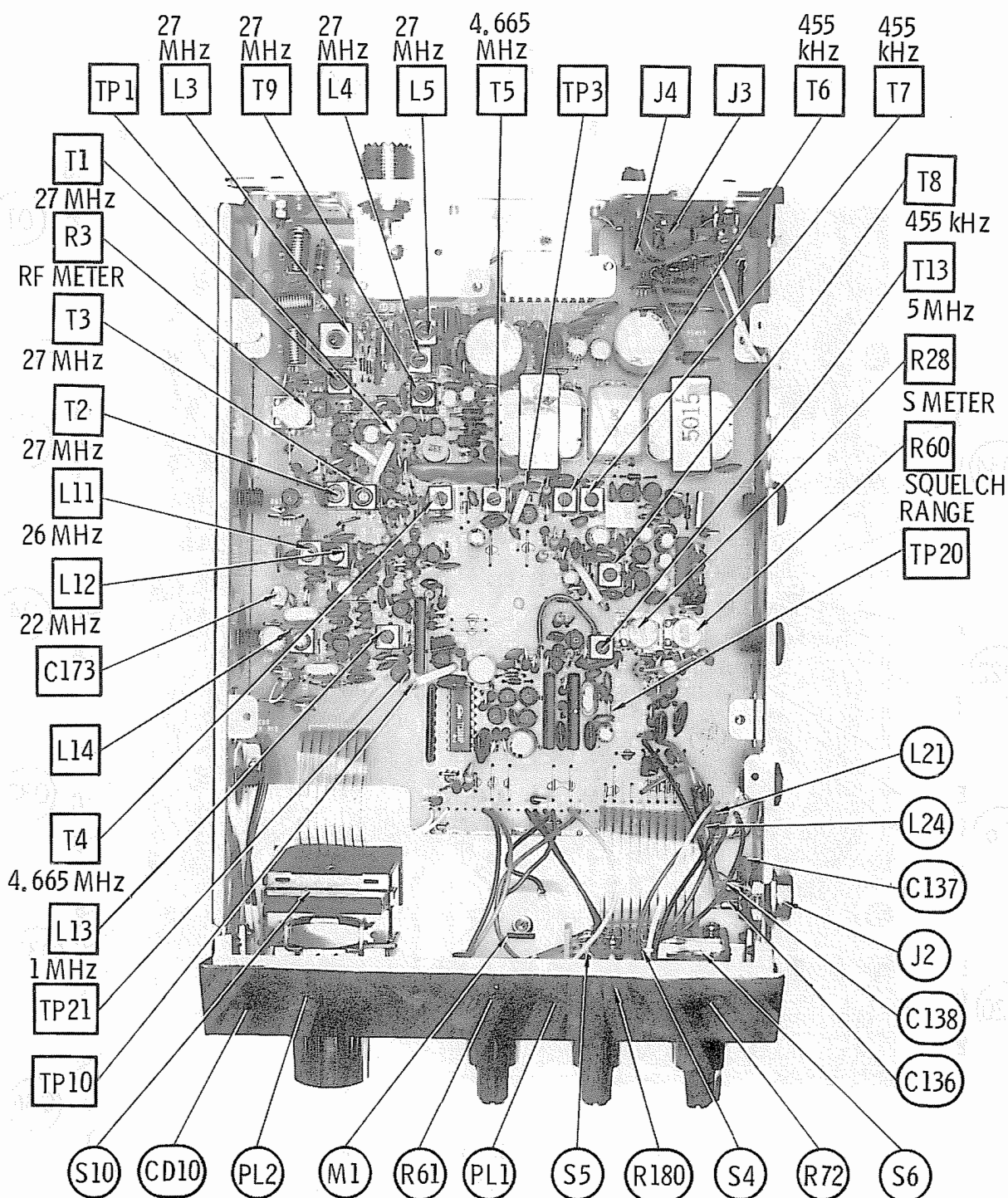
TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
	Ch. 13	T9,L4,L5,L3	Adjust for maximum.
	Ch. 13	L3	Adjust for 4 watts maximum.

TRANSMITTER ADJUSTMENTS

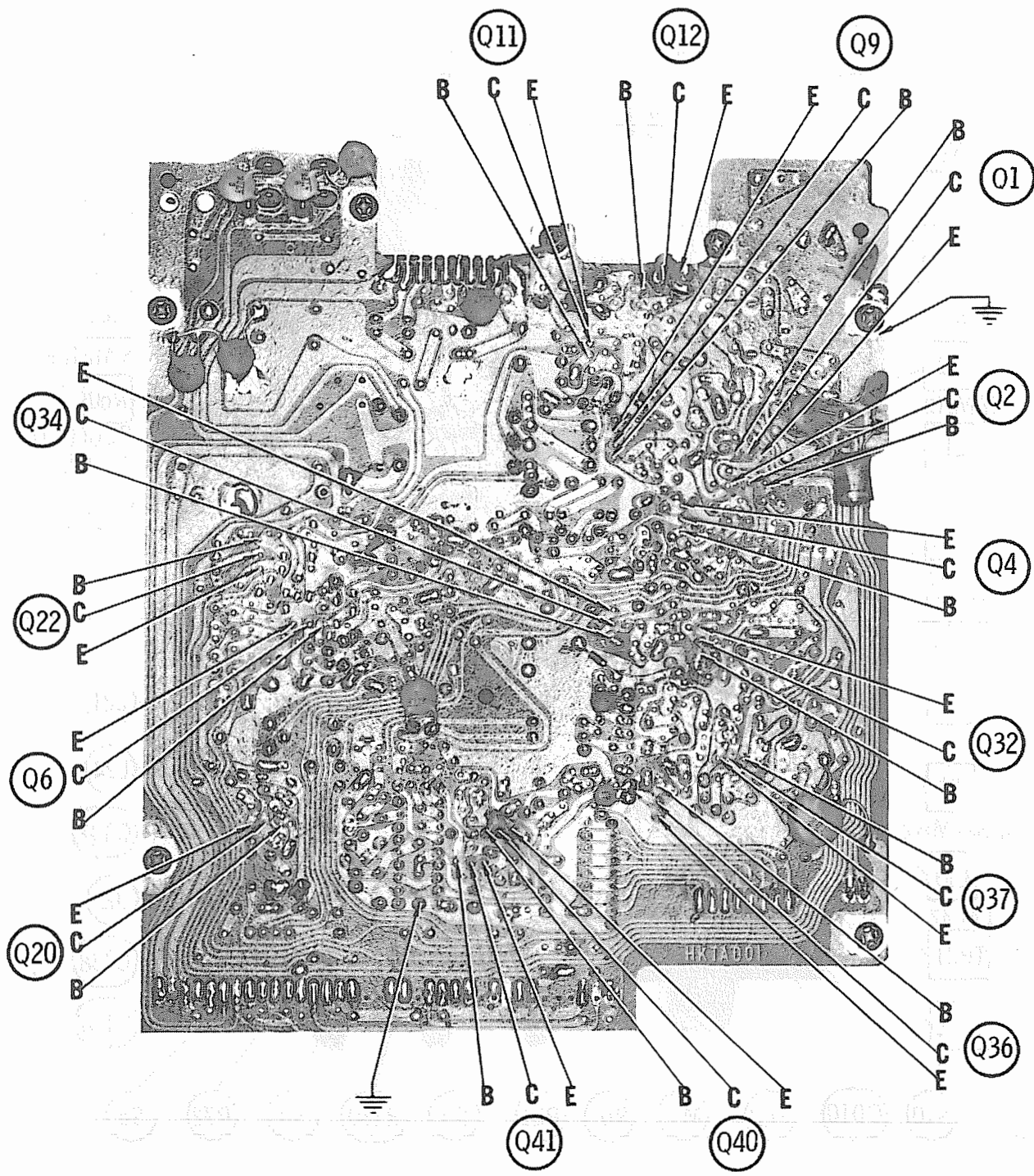
Connect an RF wattmeter and 50-ohm, 25-watt dummy load to antenna connector.
NOTE: Be sure to check transmit frequency and power on all active channels after adjustments of transmitter.
See page 4 for channel frequencies.

TEST EQUIPMENT	TRANSCEIVER	ADJUST	REMARKS
	Ch. 13	R3	RF PANEL METER Adjust R3 so that RF panel meter agrees with RF wattmeter.

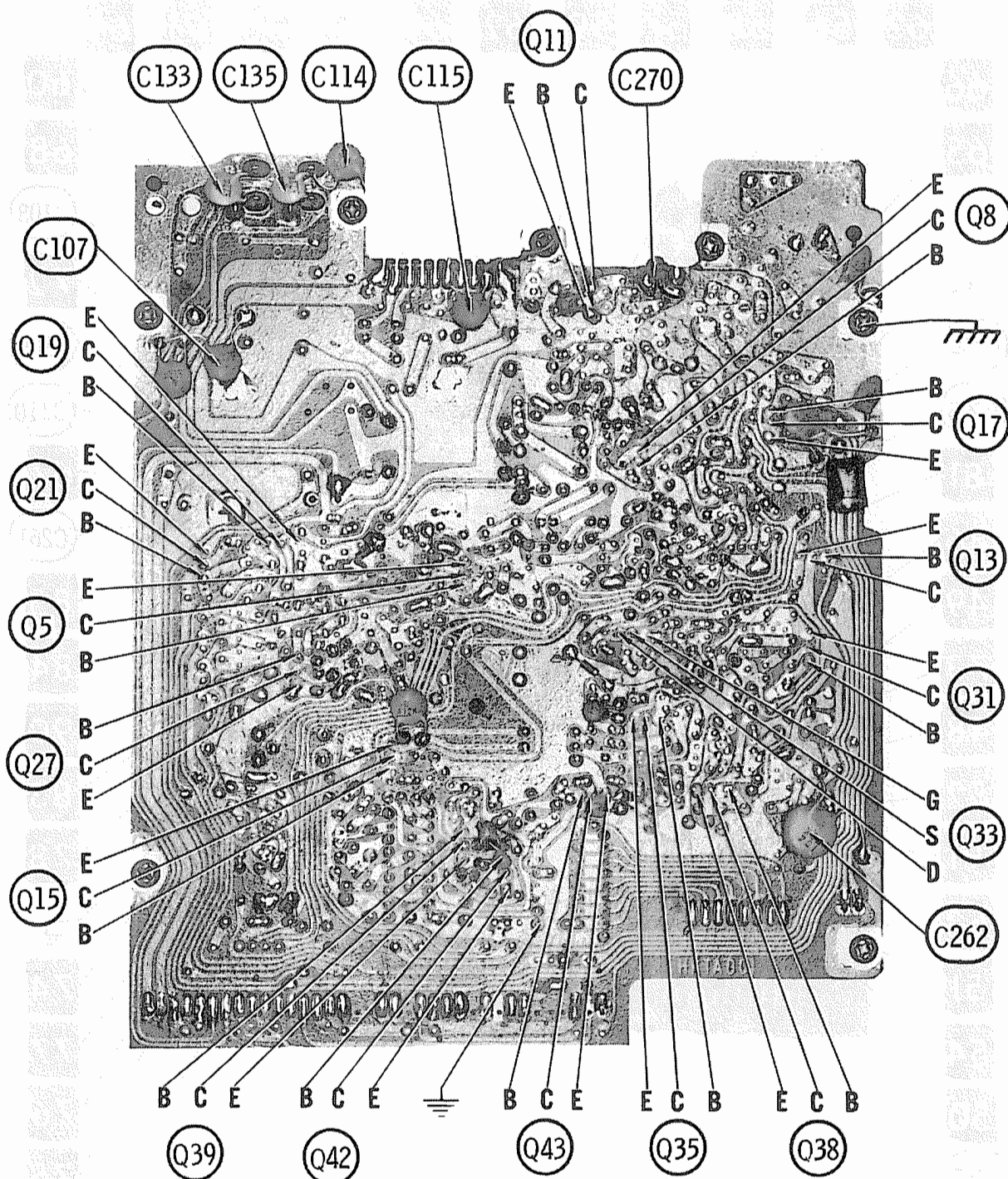




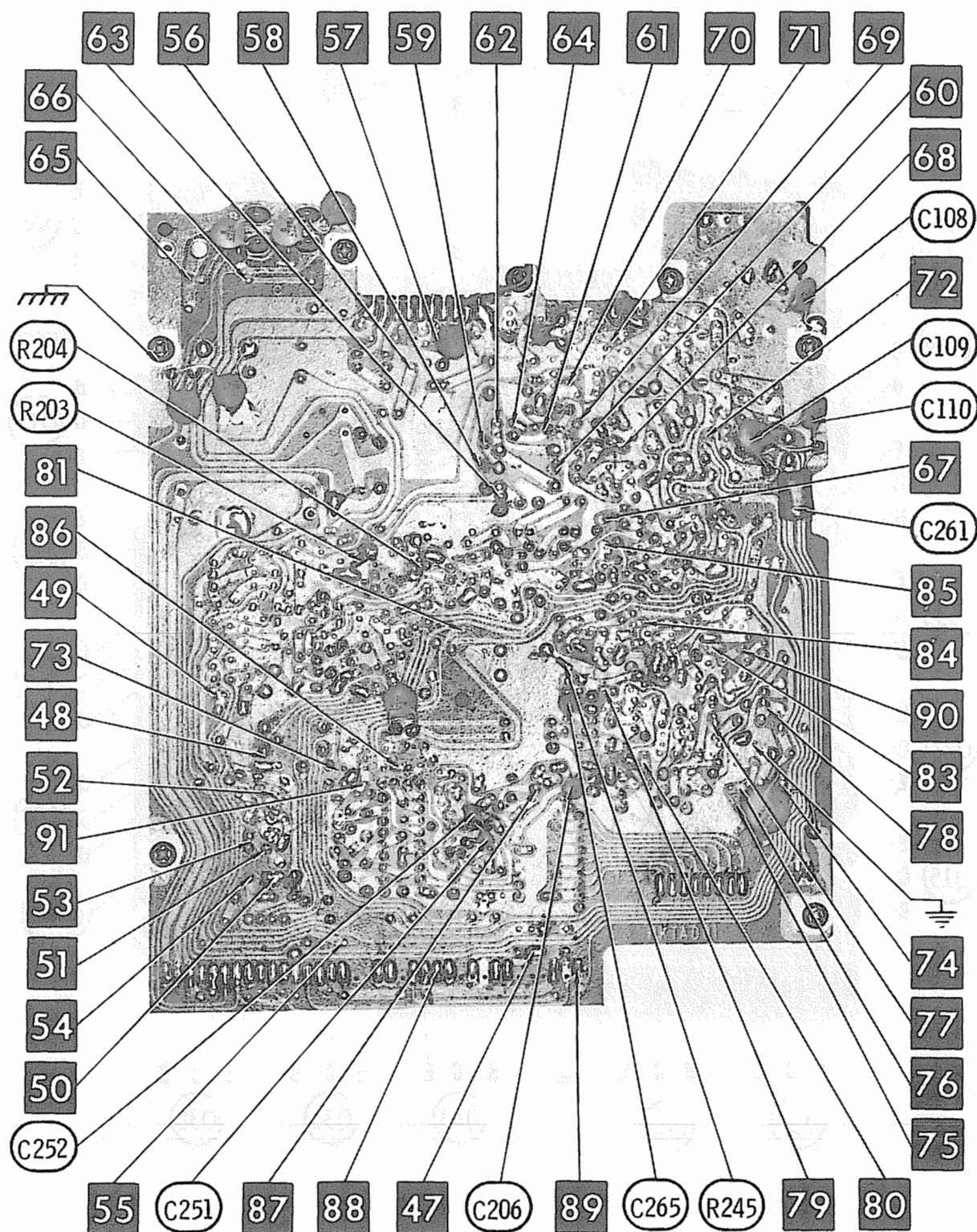
CHASSIS BOTTOM



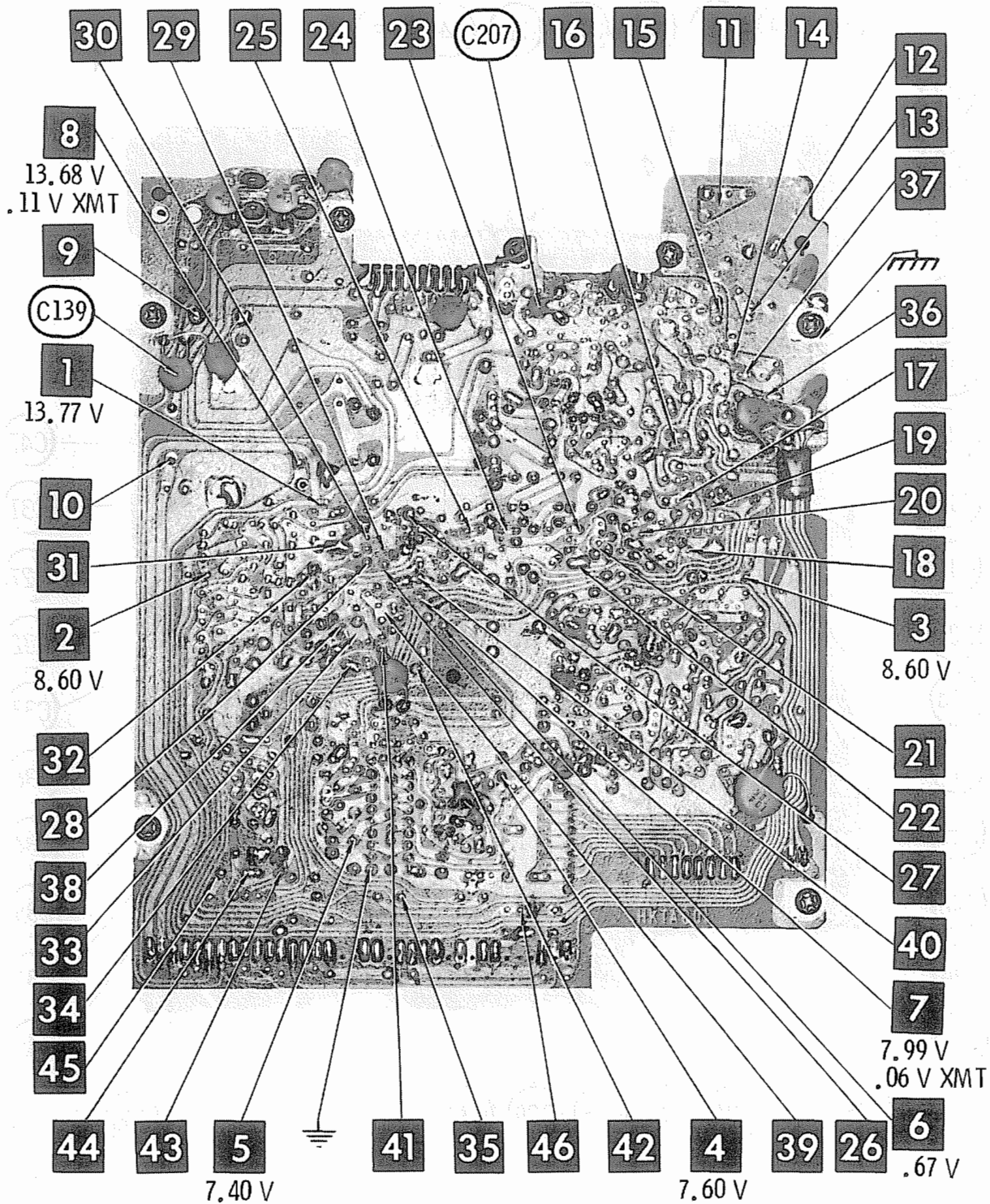
MAIN BOARD



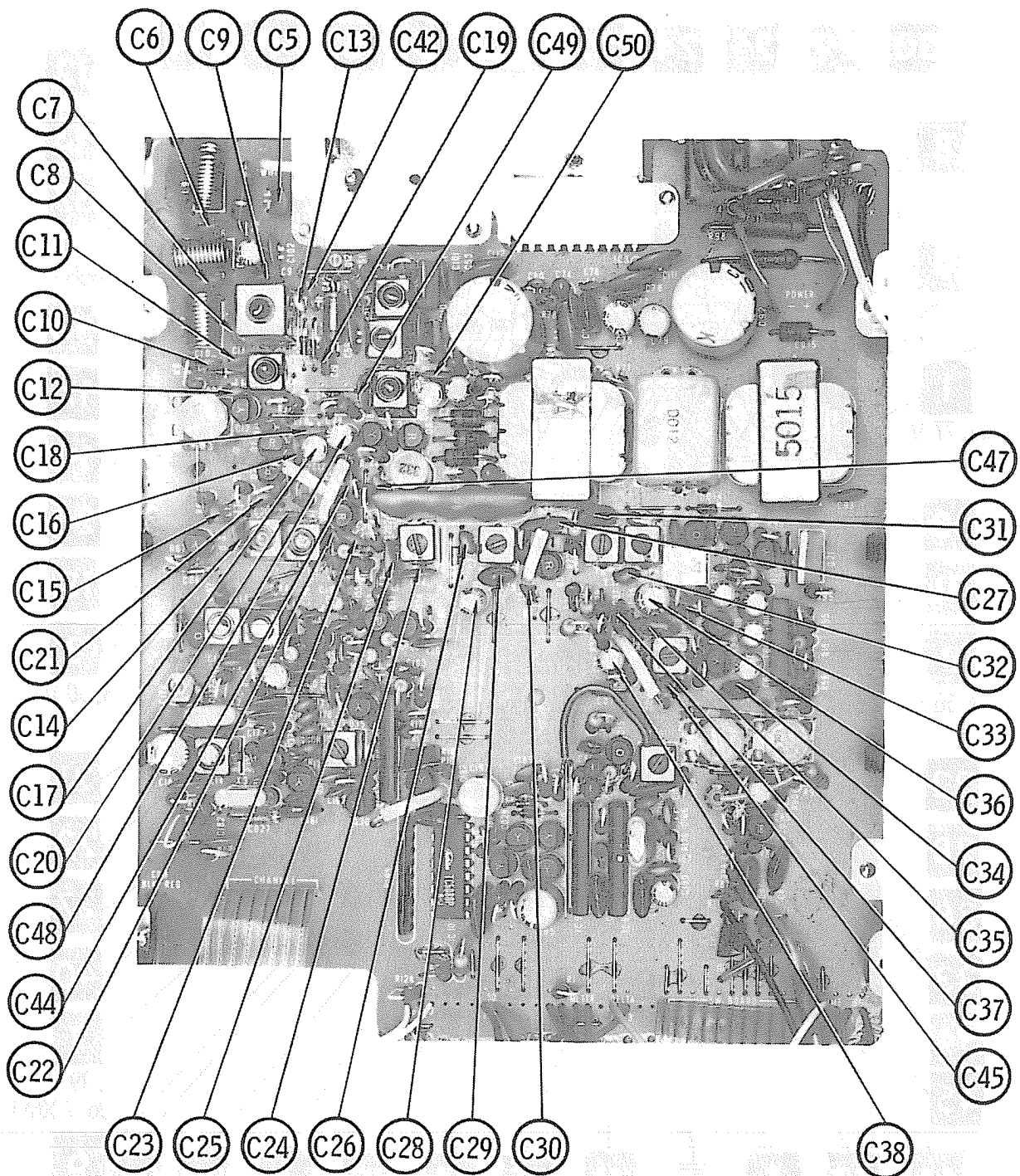
MAIN BOARD



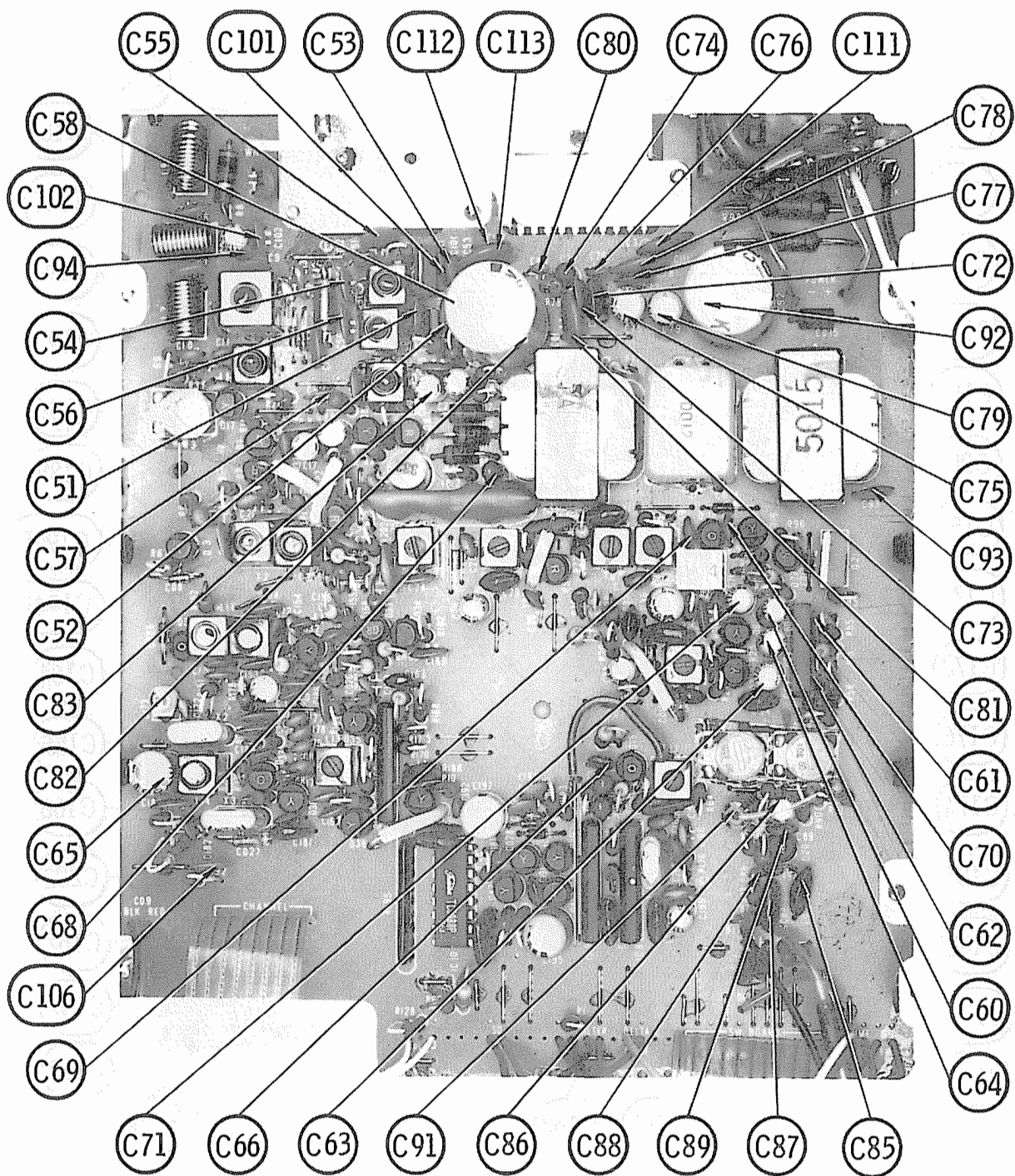
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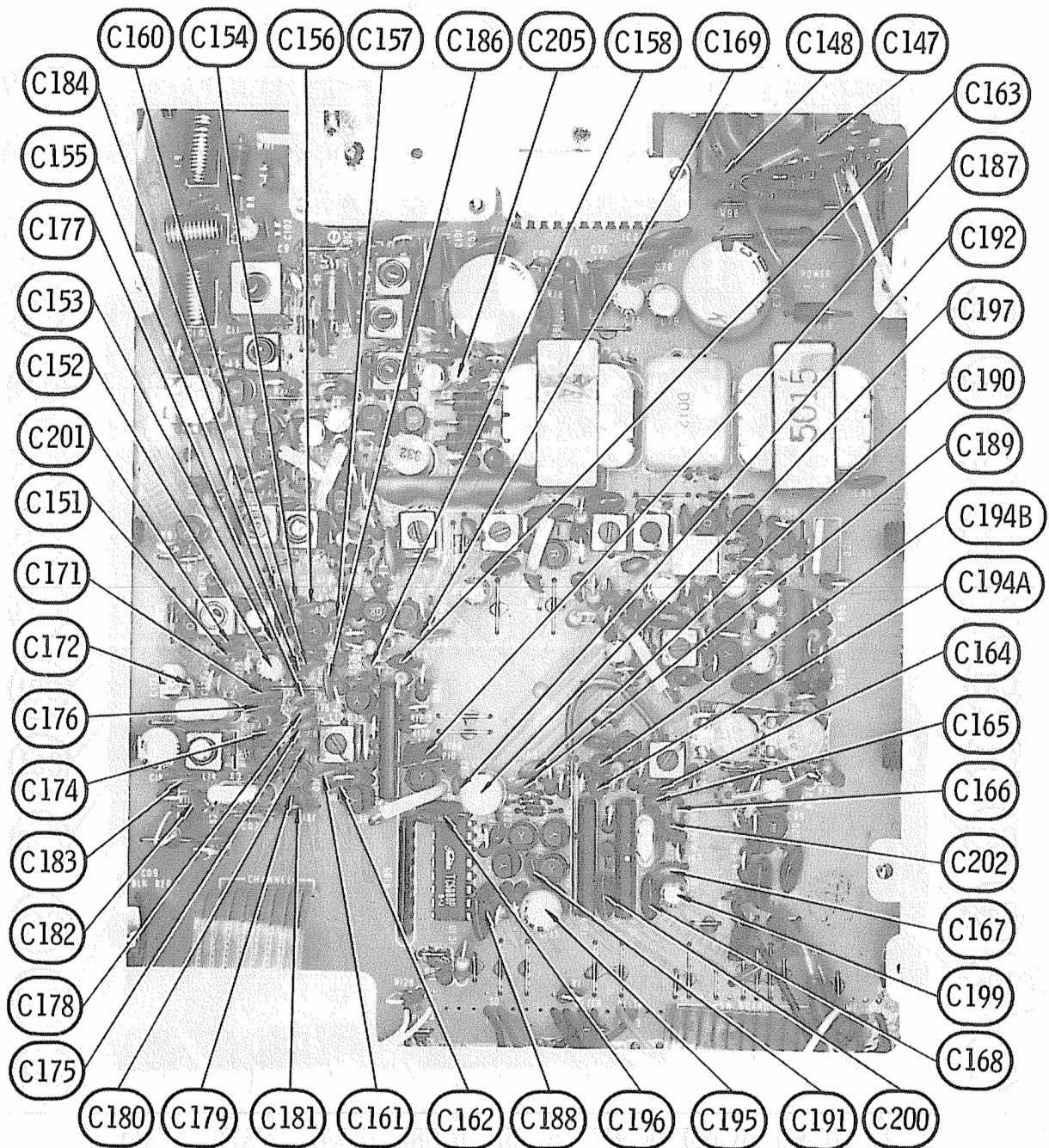
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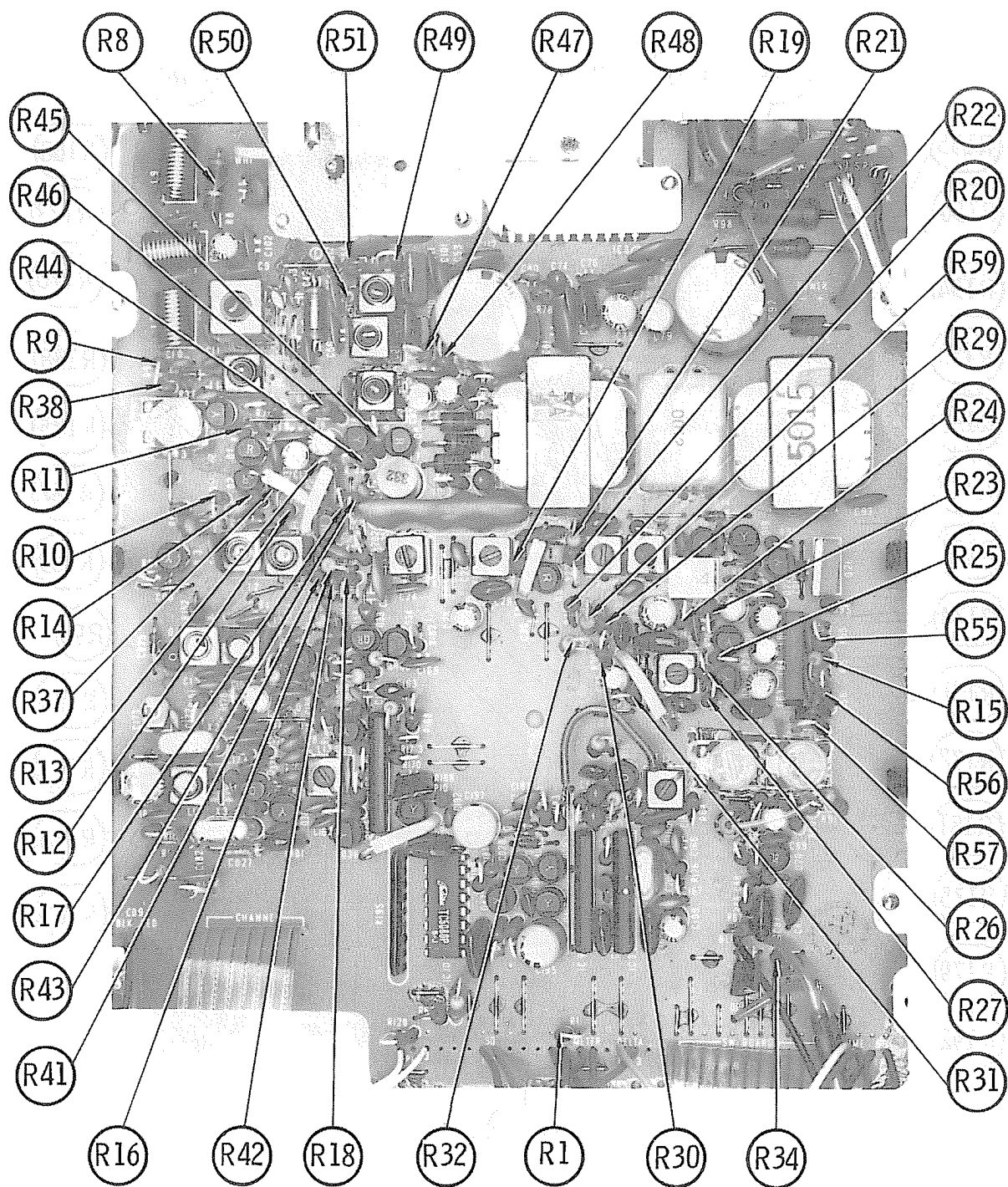
MAIN BOARD



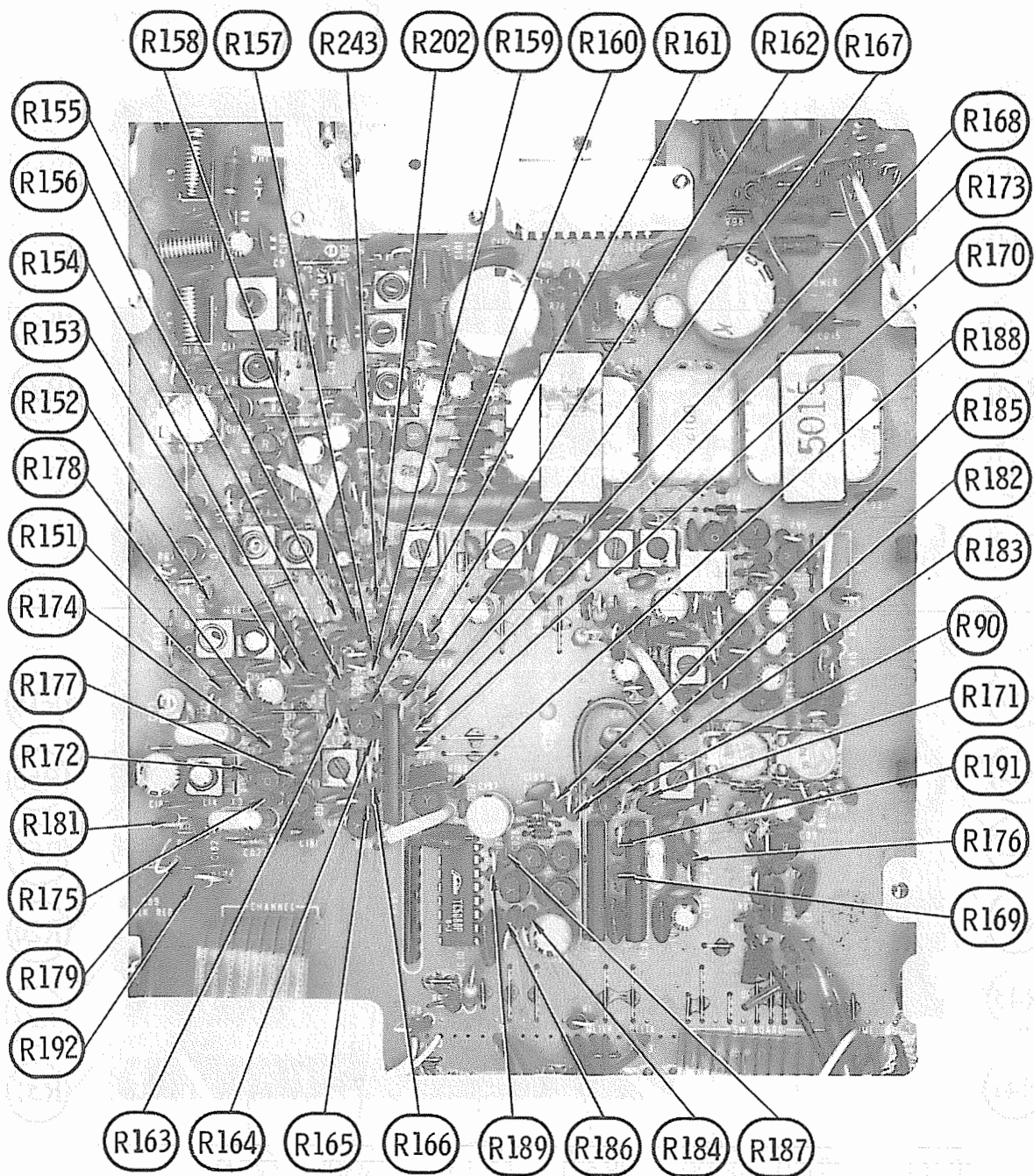
MAIN BOARD



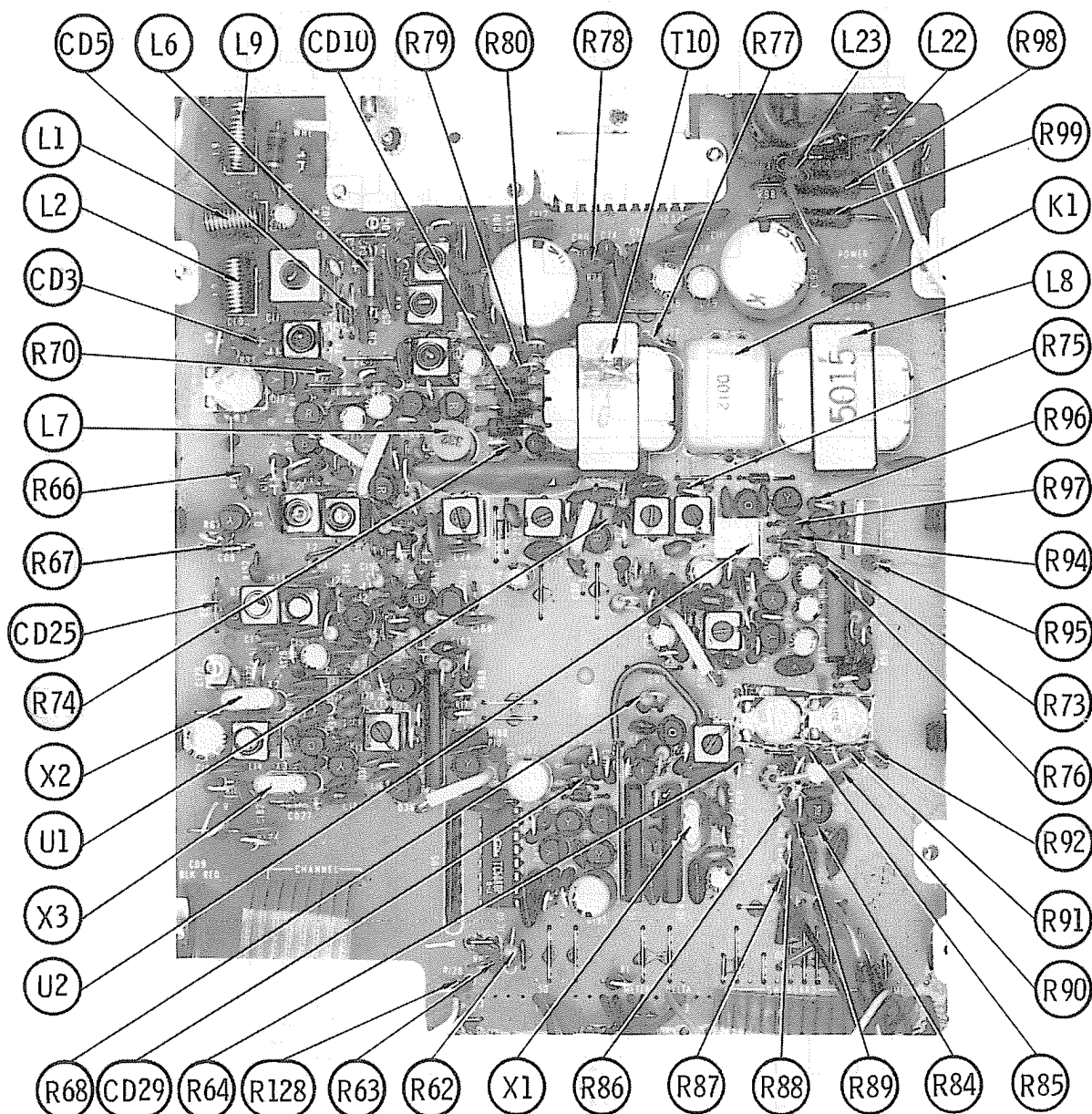
MAIN BOARD



MAIN BOARD

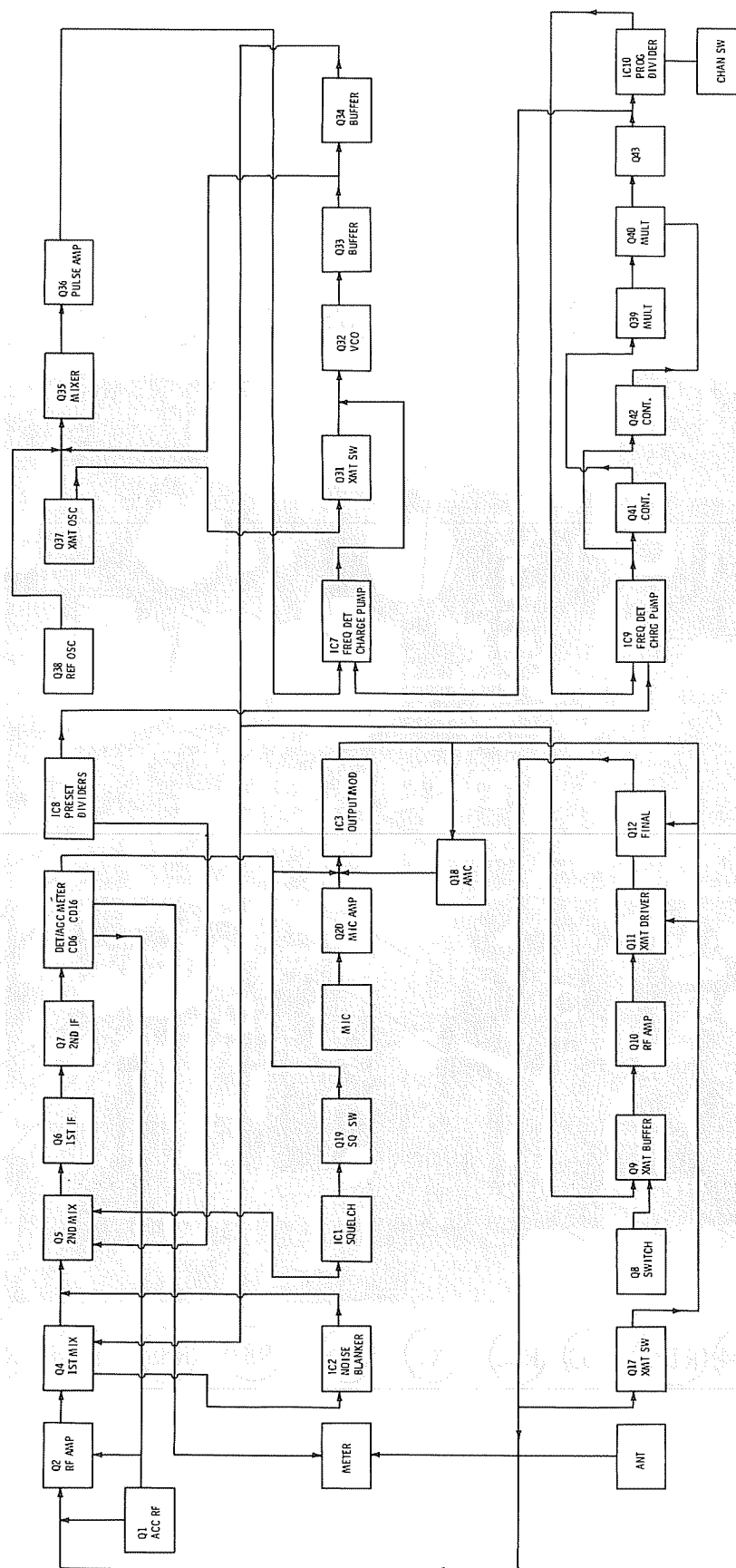


MAIN BOARD



MAIN BOARD

BLOCK DIAGRAM

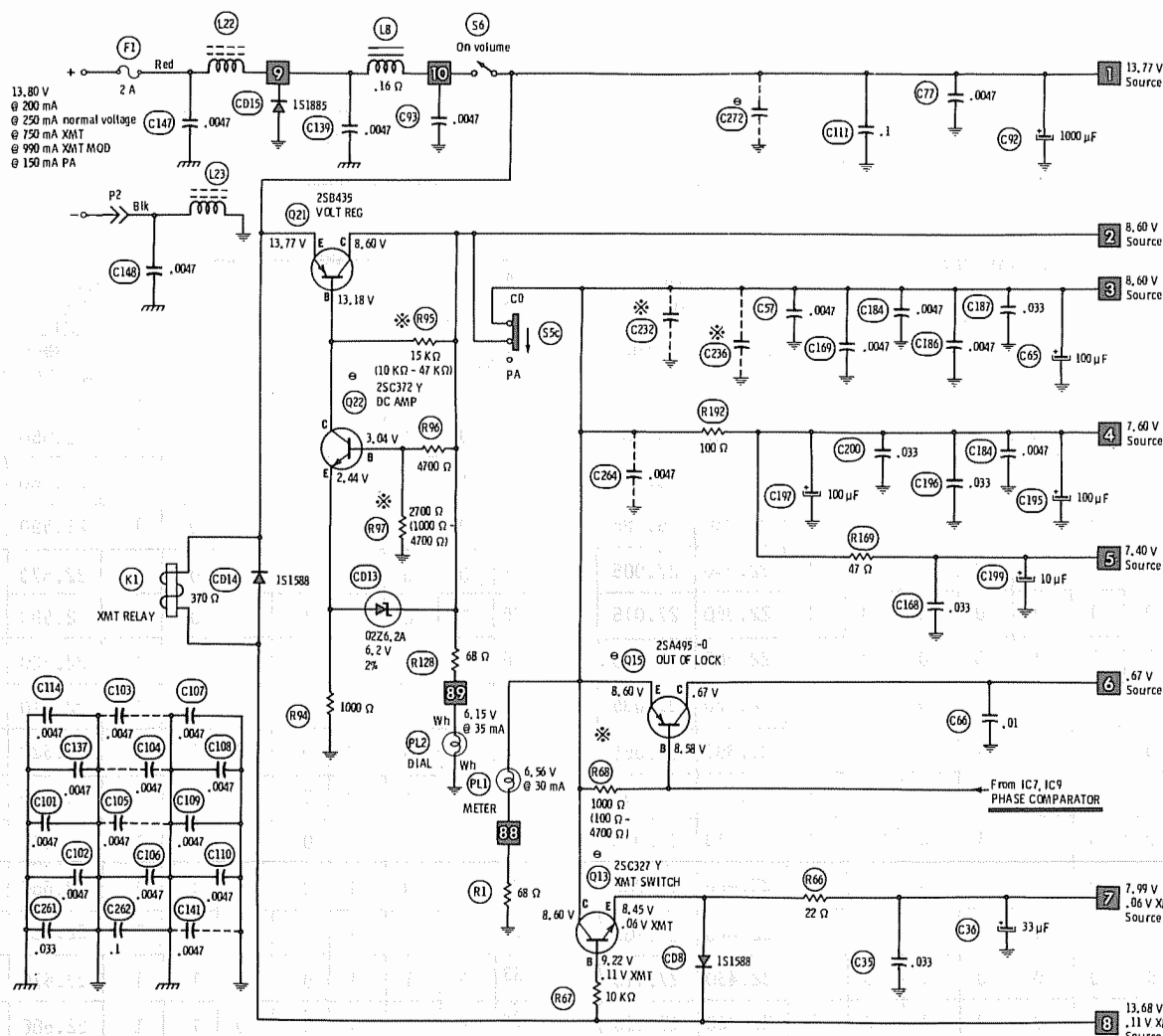


TRUTH CHART

1 = <u>7.74</u> Volts 0 = <u>0</u> Volts										
C H A N N E L	IC10 PROGRAM DIVIDER							REC VCO OUTPUT IN MHz AT TP1	XMT VCO OUTPUT IN MHz AT TP1	
	PINS									
	2	3	4	5	6	7	8			
1	1	0	0	0	0	0	1	22.300	26.965	
2	0	1	0	0	0	0	1	22.310	26.975	
3	1	1	0	0	0	0	1	22.320	26.985	
4	1	0	1	0	0	0	1	22.340	27.005	
5	0	1	1	0	0	0	1	22.350	27.015	
6	1	1	1	0	0	0	1	22.360	27.025	
7	0	0	0	1	0	0	1	22.370	27.035	
8	0	1	0	1	0	0	1	22.390	27.055	
9	1	1	0	1	0	0	1	22.400	27.065	
10	0	0	1	1	0	0	1	22.410	27.075	
11	1	0	1	1	0	0	1	22.420	27.085	
12	1	1	1	1	0	0	1	22.440	27.105	
13	0	0	0	0	1	0	1	22.450	27.115	
14	1	0	0	0	1	0	1	22.460	27.125	
15	0	1	0	0	1	0	1	22.470	27.135	
16	0	0	1	0	1	0	1	22.490	27.155	
17	1	0	1	0	1	0	1	22.500	27.165	
18	0	1	1	0	1	0	1	22.510	27.175	
19	1	1	1	0	1	0	1	22.520	27.185	
20	1	0	0	1	1	0	1	22.540	27.205	

1 = <u>7.74</u> Volts 0 = <u>0</u> Volts										
C H A N N E L	IC10 PROGRAM DIVIDER							REC VCO OUTPUT IN MHz AT TP1	XMT VCO OUTPUT IN MHz AT TP1	
	PINS									
	2	3	4	5	6	7	8			
21	0	1	1	1	1	0	1	22.550	27.215	
22	1	1	0	1	1	0	1	22.560	27.225	
23	0	1	1	1	1	0	1	22.590	27.255	
24	0	0	1	1	1	0	1	22.570	27.235	
25	1	0	1	1	1	0	1	22.580	27.245	
26	1	1	1	1	1	0	1	22.600	27.265	
27	0	0	0	0	0	1	1	22.610	27.275	
28	1	0	0	0	0	1	1	22.620	27.285	
29	0	1	0	0	0	1	1	22.630	27.295	
30	1	1	0	0	0	1	1	22.640	27.305	
31	0	0	1	0	0	1	1	22.650	27.315	
32	1	0	1	0	0	1	1	22.660	27.325	
33	0	1	1	0	0	1	1	22.670	27.335	
34	1	1	1	0	0	1	1	22.680	27.345	
35	0	0	0	1	0	1	1	22.690	27.355	
36	1	0	0	1	0	1	1	22.700	27.365	
37	0	1	0	1	0	1	1	22.710	27.375	
38	1	1	0	1	0	1	1	22.720	27.385	
39	0	0	1	1	0	1	1	22.730	27.395	
40	1	0	1	1	0	1	1	22.740	27.405	

BROWNING MODEL SST-2



✱ Circuitry not used in some versions

--- Circuitry used in some versions

⊙ See parts list

✱ Nominal value

⊕ Ground

⏏ Chassis

▽ Common tie point

Measurements made in Channel 1 with switching as shown unless noted.

Item numbers in rectangles appear in the alignment/adjustment instructions.

Supply voltage maintained as shown at input.

Voltages measured with digital meter, no signal.

Controls adjusted for normal operation.

Arrow at control indicates direction of advance.

Terminal identification may not be found on unit.

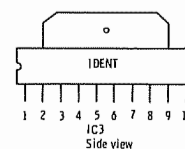
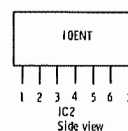
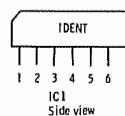
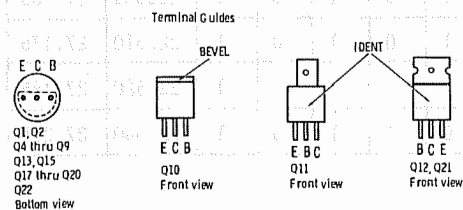
Resistors are 1/2 W or less, 5% unless noted.

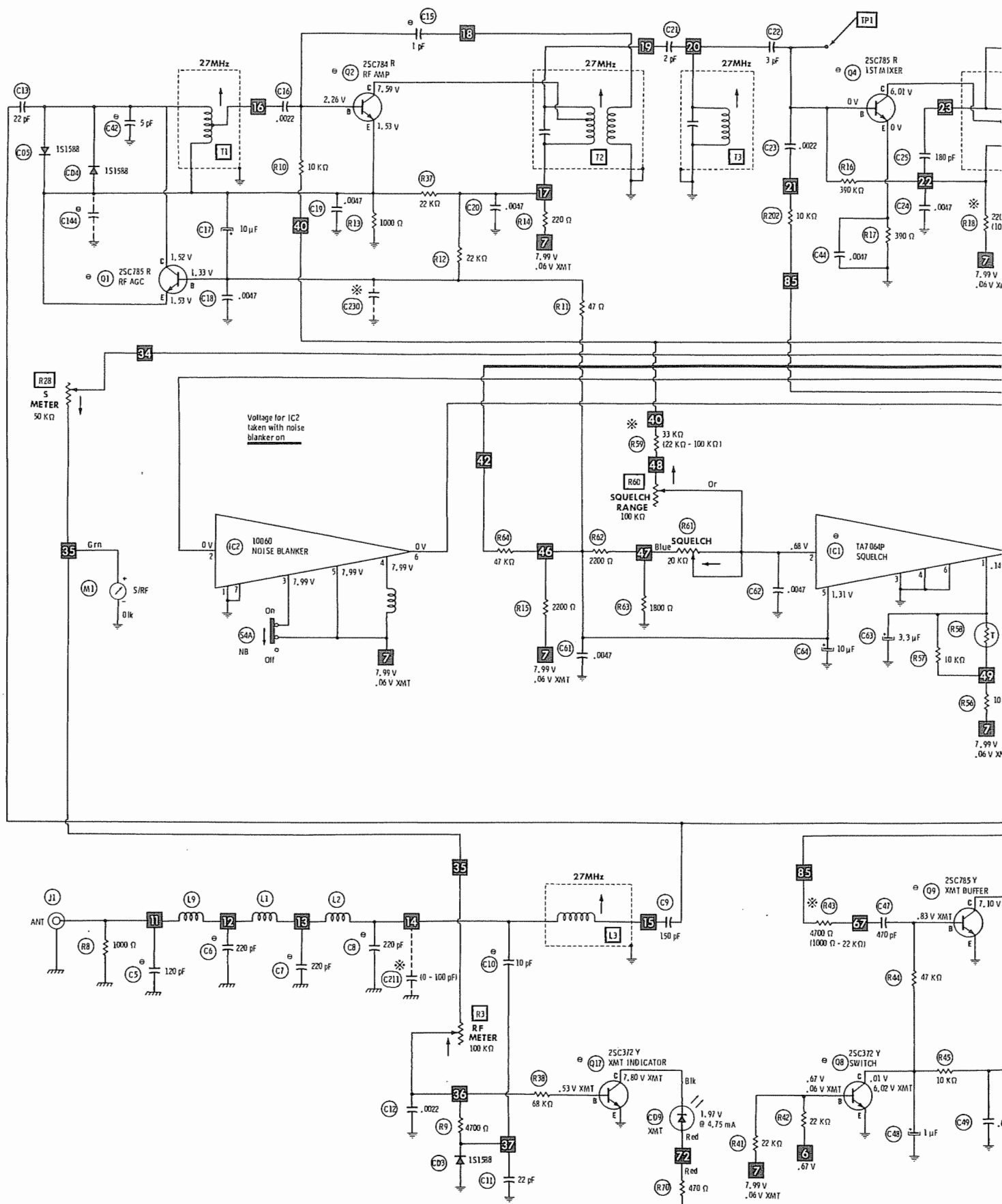
Value in () used in some versions.

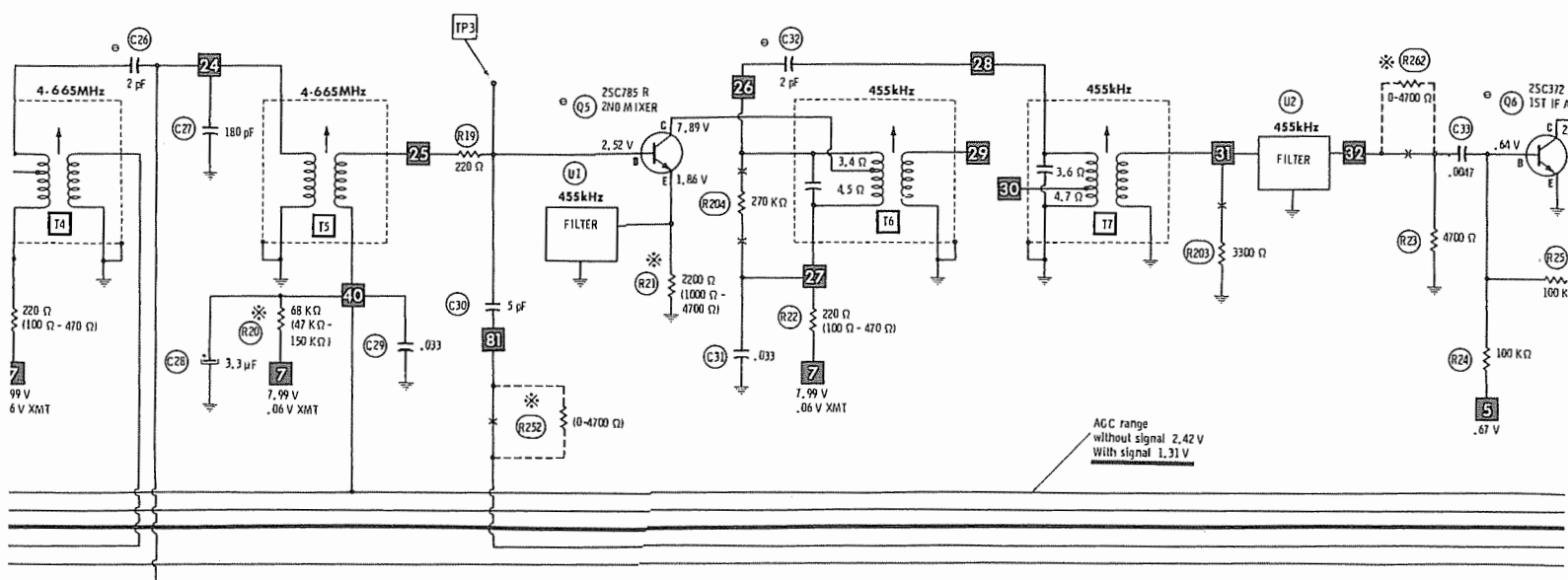
A PHOTOFACT STANDARD NOTATION SCHEMATIC

WITH **CIRCUITAGE**

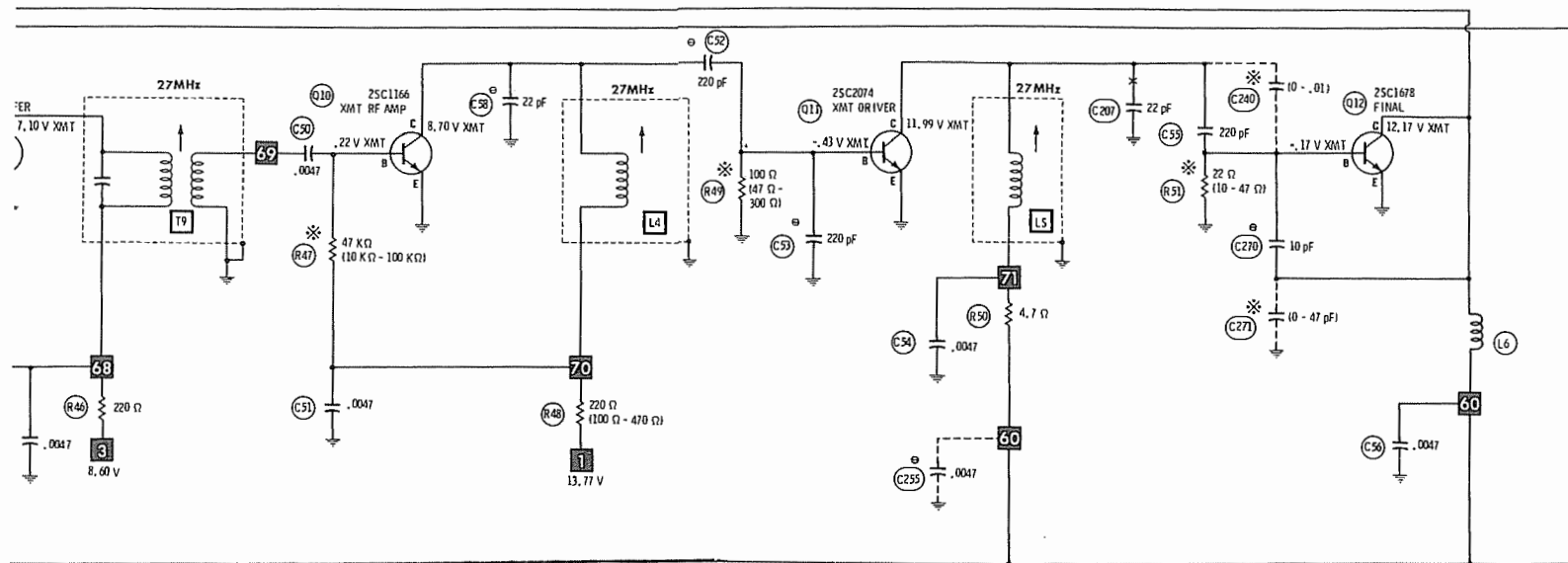
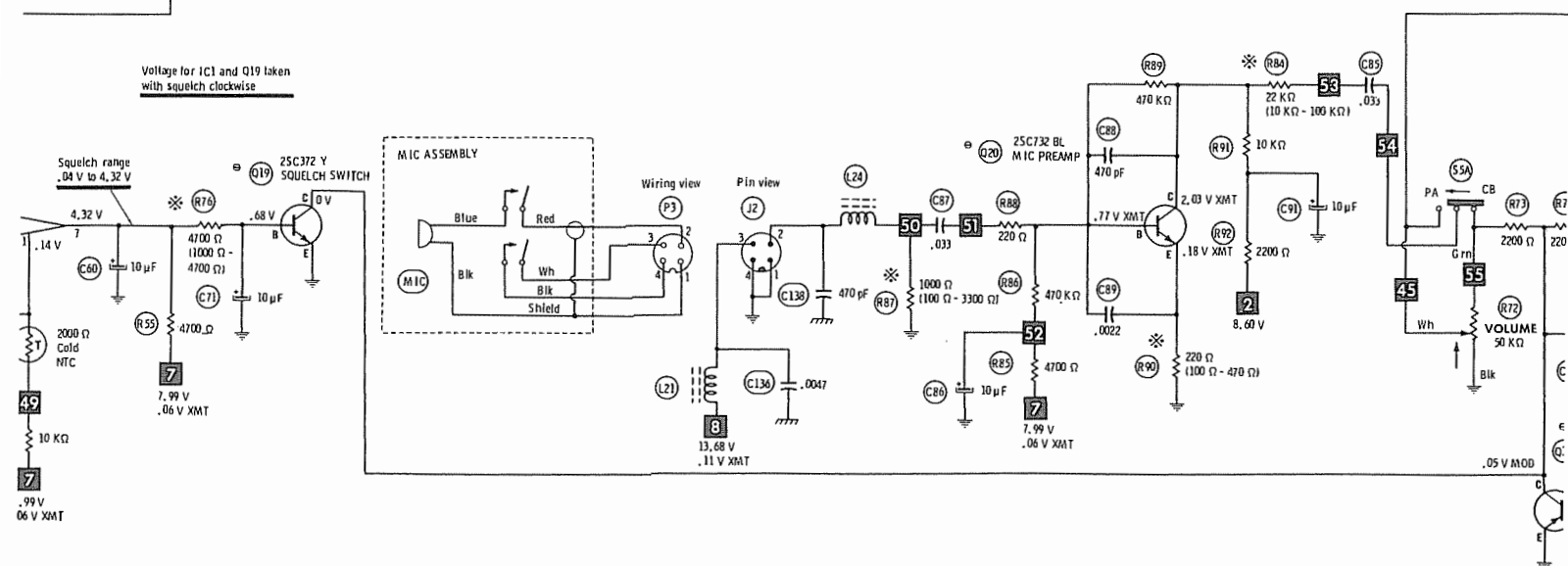
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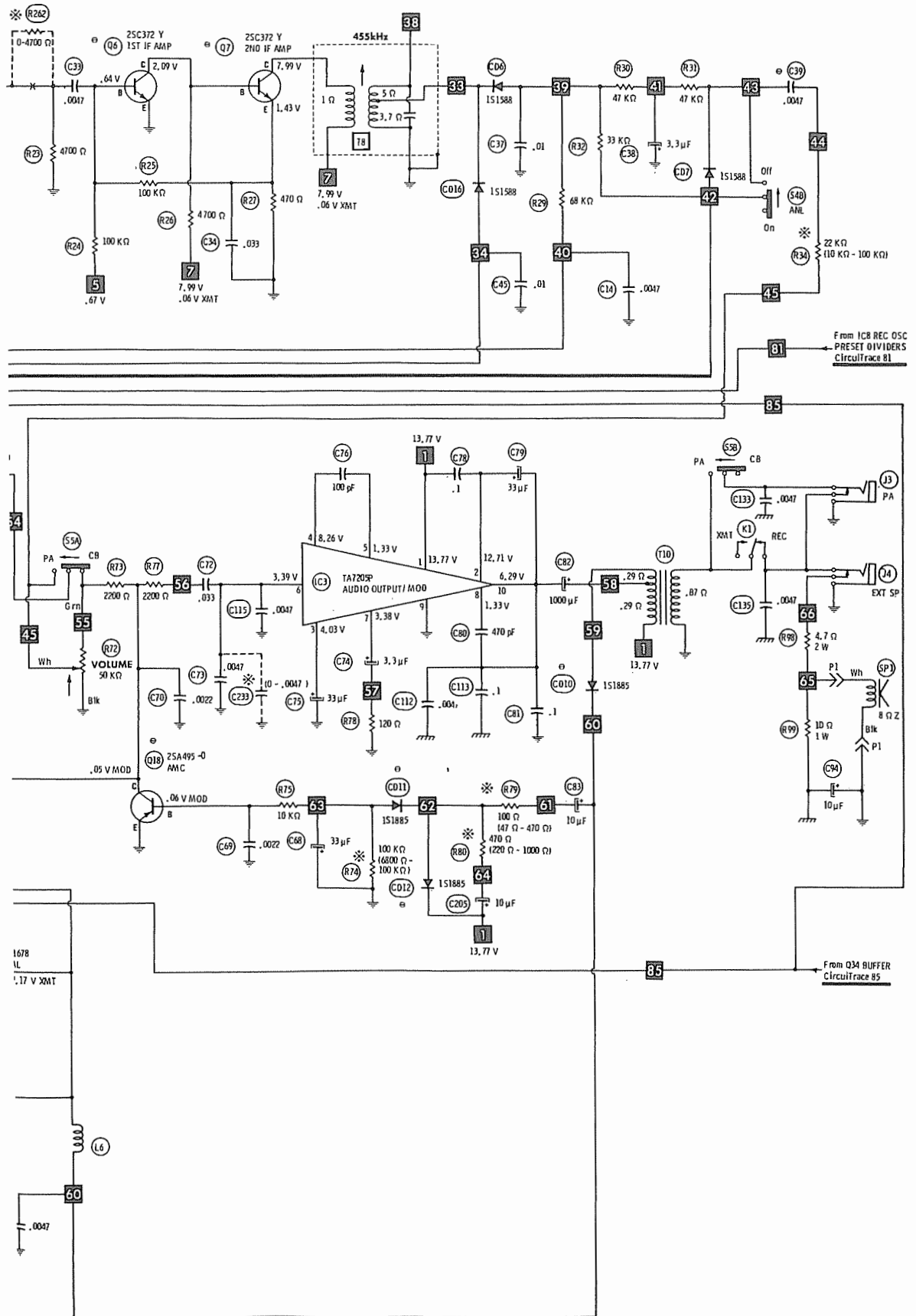


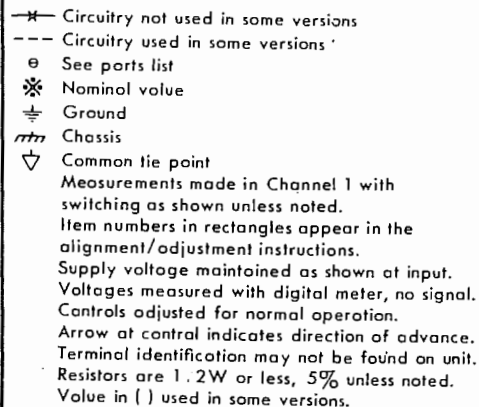


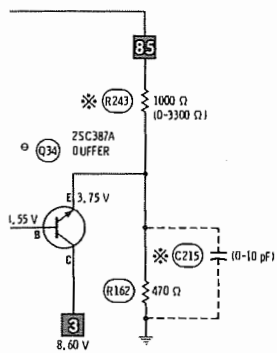
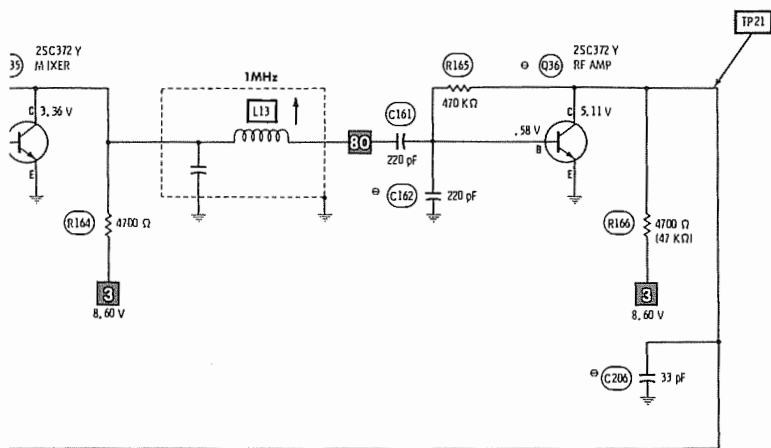


Voltage for IC1 and Q19 taken
with squelch clockwise









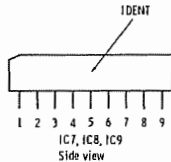
Terminal Guides



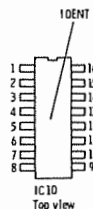
Q31, Q32
Q34 thru Q43
Bottom view



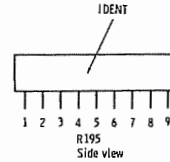
Q33
Bottom view



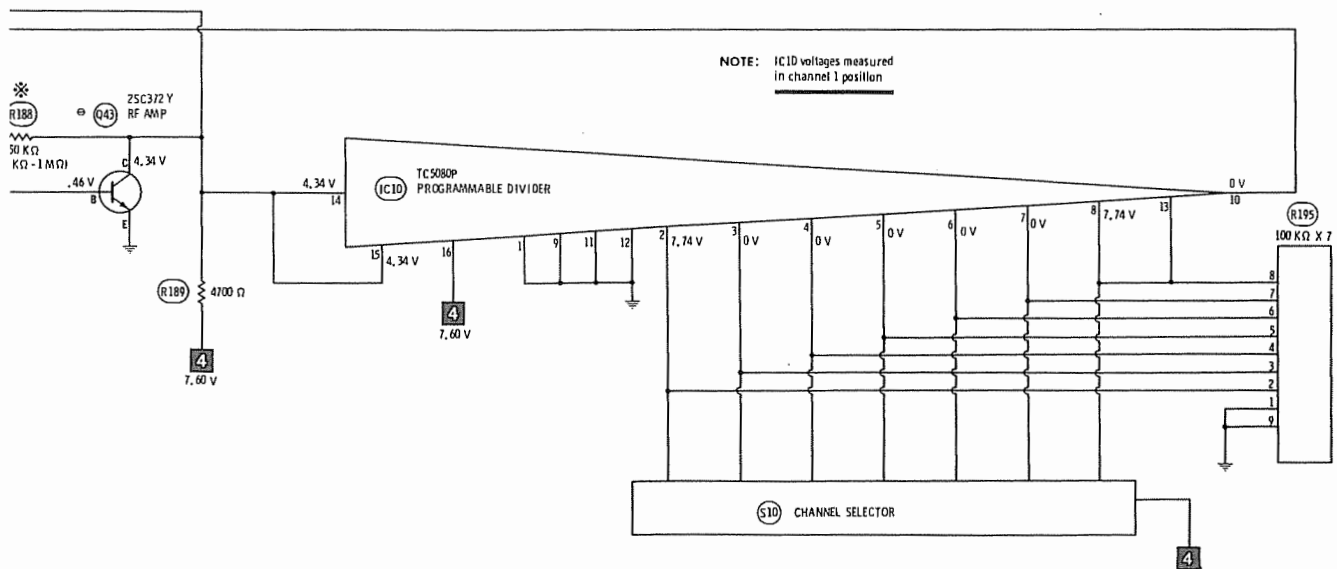
IC7, IC8, IC9
Side view



IC10
Top view



R195
Side view



PARTS LIST AND DESCRIPTION

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

SEMICONDUCTORS (Select replacement transistor for best results)

ITEM No.	TYPE No.	MFR. PART No.	REPLACEMENT DATA							
			GENERAL ELECTRIC PART No.	IR WORKMAN PART No.	MALLORY PART No.	MOTOROLA PART No.	RAYTHEON PART No.	RCA PART No.	SPRAGUE PART No.	SYLVANIA PART No.
C03	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C04	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C05	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C06	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C07	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C08	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C010	1S1885		GE-504A	5A4D	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
C011	1S1885		GE-504A	5A4D	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
C012	1S1885		GE-504A	5A4D	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
C013	02Z6, 2A									
C014	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C015	1S1885		GE-504A	5A4D	PTC201	HEPRO052	RE 49	SK3030	RT-213	ECG116
C016	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C025	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C026	1S2208		GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	ECG611
C027	1S1658		GE-90	D201		HEPR2503	RE 195	SK3126	RT-262	ECG614
C028	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
C029	1S1588		GE-300	D200	PTC214	HEPRO602	RE 52	SK3100	RT-218	ECG177
IC1	TA7064P									
IC2	TA7064P-JA									
IC3	10060									
IC7	TA7205P		GEIC-179	WEP949	PTC780		RE 357-IC	SK3231	TVCM-81	ECG1155
IC8	TC5081P									
IC9	TC5082P-L									
IC10	TC5081P									
IC10	TC5080P									
Q1	2SC785R	(1)	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0016 *	RE 9	SK3018 *	RT-187	ECG107
Q2	2SC784R	(1)	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0008 *	RE 28 *	SK3018 *	RT-187	ECG229 *
Q4	2SC785R	(1)	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0008 *	RE 28 *	SK3018 *	RT-187	ECG229 *
Q5	2SC785R	(1)	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0016 *	RE 9	SK3018 *	RT-187	ECG107
Q6	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q7	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q8	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q9	2SC785R	(1)	GE-60 *	(IR)2SC380A0	PTC132 *	HEPS0016 *	RE 9	SK3018 *	RT-187	ECG107
Q10	2SC1166		GE-81 *	TR-63 *	PTC143	HEPS5026 *	RE 210	SK3122	RT-141	ECG297
Q11	2SC2074		GE-336				RE 209			ECG306
Q12	2SC1678		GE-322	WEP1678	PTC186		RE 203	SK3197	RT-146	ECG235
Q13	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q15	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q17	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q18	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q19	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q20	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q21	2SC732BL	(1)	GE-62	(IR)2SC373	PTC139 *	HEPS0024 *	RE 192	SK3122	RT-302	ECG199
Q22	2SC435		GE-69	TR-77	PTC162		RE 22	SK3083	RT-155	ECG153
Q31	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q32	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q33	2SC495-0	(1)	GE-270	WEP913	PTC180		RE 209		RT-162	ECG295
Q34	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q35	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q36	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q37	2SC372-0	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q38	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q39	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q40	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q41	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q42	2SC372	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *
Q43	2SC372Y	(1)	GE-61 *	(IR)2SC372	PTC121 *	HEPS0015 *	RE 13 *	SK3122	RT-308	ECG123A *

* Lead configuration may vary from original.

(1) Used in some versions.

BROWNING MODEL SST-2

PARTS LIST AND DESCRIPTION (CONTINUED)

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

ELECTROLYTIC CAPACITORS

ITEM No.	RATING	REPLACEMENT DATA				
		MFGR. PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
					Q-LINE	GENERAL LINE
C17	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C28	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C36	33 16V		PC30-25	VTT3D25	QV1-63	EV-1325
C38	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C48	1 50V		PC1-50	VTT1A50	QV1-11	EV-1615
C60	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C63	3.3 50V		PC5-50	VTT3R3A50	QV1-25	EV-1618
C64	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C65	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130
C68	33 6.3V			TDC336M010FL	QDT1-89	SD10-339
C71	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C74	3.3 16V			TDC335M035FL		SD35-3R39
C75	33 16V		PC30-25	VTT3D25	QV1-63	EV-1325
C79	33 16V		PC30-25	VTT3D25	QV1-63	EV-1325
C82	1000 25V		WBR1000-25	VTT1000M25	QV1-185	EV-1360
C83	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C86	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C91	10 16V		WBR10-25	TT15X10	QE1-177	TVA-1145
C92	1000 16V		PC1000-16	VTT1000L16	QV1-183	EV-1260
C94	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C152	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C194A	3.3 16V			TDC335M035FL		SD35-3R39
C194B	3.3 16V			TDC335M035FL		SD35-3R39
C195	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130
C197	100 10V		PC100-10	VTT100E10	QV1-93	EV-1130
C199	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222
C205	10 16V		PC10-25	VTT10B25	QV1-41	EV-1222

CAPACITORS

ITEM No.	RATING	MFGR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C5	120 10%		DTZ-120		CN0312		10TCC-T12
C6	47-220		DD-221		GP322		10TS-T22
C7	150-330		DD-221		GP322		10TS-T22
C8	220 10%		DD-221		GP322		10TS-T22
C9	150-330		DD-151		GP315		10TS-T15
C10	10		DTZ-10	NP010	CN0410		10TCC-Q10
C11	5-15						
C12	22		DTZ-22	NP022	CN0422	QC2-97	10TCC-Q22
C13	.0022		DD-222		GP222		5GA-D22
C14	22 N220				*		10TCR-Q22
C15	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C16	1				CN0510		10TCC-V10
C17	.5-6						
C18	.0022		DD-222		GP222	QC2-97	5GA-D22
C19	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C20	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C21	2		DTZ-2R2	NP02P2	CN0522	QC2-97	10TCC-V22
C22	3		DTZ-3R3	NP03P3	CN0533		10TCC-V33
C23	.0022		DD-222		GP222		5GA-D22
C24	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C25	180 N470 5%				*		10TCT-T18
C26	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C27	1-3						
C29	180 N470 5%				*		10TCT-T18
C30	.033				M192P3339R8		192P3339R8
C31	5		DTZ-4R7	NP04P7	CN0547		10TCC-V47
C32	.033				M192P3339R8		192P3339R8
C33	2		DTZ-2R2	NP02P2	CN0522		10TCC-V22
C34	1-3						

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C33	.0047 10%		DD-472	GP4700	GP247	QF1-91	5GA-D47
C34	.033				M192P3339R8		192P3339R8
C35	.033				M192P3339R8		192P3339R8
C37	.01			WMF1S1	EWFA1110		1PB-S10
C39	.0047 10%				M192P4729R8		192P4729R8
C42	.0047-.047				*		10TCR-V50
	5 N220						
	0-10						
C44	.0047 10%		DD-472	GP4700	GP247	QF1-91	5GA-D47
C45	.01			WMF1S1	EWFA1110		1PB-S10
C47	.470		DD-471	GP470	GP347		10TS-T47
C49	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C50	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C51	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C52	220 10%		DD-221		GP322		10TS-T22
	100-470						
C53	220 10%		DD-221		GP322		10TS-T22
	100-470						
C54	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C55	220 10%		DD-221		GP322		10TS-T22
C56	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C57	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C58	22		DTZ-22	NP022	CN0422		10TCC-Q22
	0-68						
C61	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C62	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C66	.01			WMF1S1	EWFA1110	QF1-91	1PB-S10
C69	.0022		DD-222		GP222	QC2-97	5GA-D22
C70	.0022		DD-222		GP222	QC2-97	5GA-D22
C72	.033				M192P3339R8		192P3339R8
C73	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C76	100		DD-101	GP100	GP310		10TS-T10
C77	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C78	.1		CK-104		MAG5001		
C80	.470		DD-471	GP470	GP347		10TS-T47
C81	.1		CK-104		MAG5001		
C85	.033				M192P3339R8		192P3339R8
C87	.033				M192P3339R8		192P3339R8
C88	.470		DD-471	GP470	GP347		10TS-T47
C89	.0022		DD-222		GP222	QC2-97	5GA-D22
C93	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C101	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C102	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C103	.0047	(1)	DD-472	GP4700	GP247		5GA-D47
C104	.0047	(1)	DD-472	GP4700	GP247		5GA-D47
C105	.0047	(1)	DD-472	GP4700	GP247		5GA-D47
C106	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C107	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C108	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C109	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C110	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C111	.1		CK-104		MAG5001		
C112	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C113	.1		CK-104		MAG5001		
C114	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C115	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C133	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C135	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C136	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C137	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C138	.470		DD-471	GP470	GP347		10TS-T47
C139	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C141	.0047	(1)	DD-472	GP4700	GP247		5GA-D47
C143	.470	(1)	DD-471	GP470	GP347		10TS-T47
C144	0-.0047	(1)					
C147	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C148	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C151	.022		DC-203	MGP02	TA120	QC2-157	TG-S20
C153	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C154	15 N470				*		10TCT-Q15
C155	47 N750		DTN-47	N47	CN7447		10TCU-Q47
C156	47 N750		DTN-47	N47	CN7447		10TCU-Q47
C157	10 N750		DTN-10	N10	CN7410		10TCU-Q10
C158	.470		DD-471	GP470	GP347		10TS-T47
C160	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C161	220		DD-221		GP322		10TS-T22
C162	220		DD-221		GP322		10TS-T22
C163	.0047				M192P4729R8		192P4729R8
C164	150 N470 5%				*		10TCT-T15
C165	2		OTZ-2R2	NP02P2	CN0522		10TCC-V22
	1-5						

BROWNING MODEL SST-2

PARTS LIST AND DESCRIPTION (CONTINUED)

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

CAPACITORS (cont)

ITEM No.	RATING	MFR. PART No.	REPLACEMENT DATA				
			CENTRALAB PART No.	CORNELL-DUBILIER PART No.	MALLORY PART No.	SPRAGUE PART No.	
						Q-LINE	GENERAL LINE
C166	47 N220 5% 33-68				*		10TCR-Q47
C167	47 N220 5%				*		10TCR-Q47
C168	.033				M192P3339R8		192P3339R8
C169	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C171	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C172	22 N220 10-100				*		10TCR-Q22
C173	20						GKB-20000
C174	100		DD-101	GP100	GP310		10TS-T10
C175	470		DD-471	GP470	GP347		10TS-T47
C176	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C177	3		DTZ-3R3	NPO3P3	CN0533		10TCC-V33
C178	3		DTZ-3R3	NPO3P3	CN0533		10TCC-V33
C179	.001		DD-102G	GP1000	GP210	QC2-81	5GA-D10
C180	47		DTZ-47	NPO47	CN0447		10TCC-Q47
C181	.01			WMF1S1	EWFI1A110	QF1-91	1PB-S10
C182	47 N750 22-100		DTN-47	N47	CN7447		10TCU-Q47
C183	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C184	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C186	.0047 10%		DD-472	GP4700	GP247		5GA-D47
C187	.033				M192P3339R8		192P3339R8
C188	.0033				M192P3329R8		192P3329R8
C189	220		DD-221		GP322		10TS-T22
C190	220		DD-221		GP322		10TS-T22
C191	.001			DPMS6D1	EWFI1A210	QF1-1	1PB-D10
C192	470		DD-471	GP470	GP347		10TS-T47
C196	.033				M192P3339R8		192P3339R8
C200	.033				M192P3339R8		192P3339R8
C201	.0022		DD-222		GP222	QC2-97	5GA-D22
C202	10		DTZ-10	NP010	CN0410		10TCC-Q10
C206	33		DTZ-33	NP033	CN0433		10TCC-Q33
C207	0-47						
C211	22		DTZ-22	NP022	CN0422		10TCC-Q22
C212	6-100	(1)					
C215	0-100	(1)					
C215	0-10	(1)					
C230	0-.0047	(1)					
C232	0-.0047	(1)					
C233	0-.0047	(1)					
C236	0-.0047	(1)					
C240	0-.0047	(1)					
C251	470		DD-471	GP470	GP347		10TS-T47
C252	0-470		DD-471	GP470	GP347		10TS-T47
C255	470	(1)					
C255	.0047	(1)					
C260	0-.0047	(1)					
C261	0-.0047	(1)					
C262	.033				M192P3339R8		192P3339R8
C264	.1			WMF05P1	EWFO5010		431P1049R5
C270	.0047	(1)					
C270	10		DTZ-10	NP010	CN0410		10TCC-Q10
C271	0-33	(1)					
C272	0-47	(1)					
C272	0-.0047	(1)					
C274	0-10	(1)					

* Not normally in distributors' stock. Available thru distributor on order to manufacturer.
(1) Used in some versions.

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

ITEM No.	FUNCTION	RESISTANCE	REPLACEMENT DATA				
			MFR. PART No.	CENTRALAB PART No.	CLAROSTAT PART No.	MALLORY PART No.	TRW PART No.
R3	RF Meter	100K					
R28	S Meter	50K					
R60	Squelch Range	100K					
R61	Squelch	20K					
R72	Volume/Switch	50K					
R180	Delta Tune	20K					

PARTS LIST AND DESCRIPTION (CONTINUED)

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

RESISTORS (Power and Special)

ITEM No.	RATING	REPLACEMENT DATA		ITEM No.	RATING	REPLACEMENT DATA	
		WORKMAN PART No.	MFGR. PART No.			WORKMAN PART No.	MFGR. PART No.
R58	2000 NTC Co1d	FR1014					

COILS (RF-IF)

ITEM No.	FUNCTION	REPLACEMENT DATA			REMARKS
		PART No.	OTHER IDENTIFICATION	MILLER PART No.	
L1	Pi Filter				
L2	Pi Filter				
L3	Antenna Match (27MHz)				
L4	XMT RF Amp (27MHz)				
L5	XMT Driver (27MHz)				
L6	RF Choke				
L7	RF Choke				
L9	Pi Filter				
L11	Switch (26MHz)				
L12	VCO (22MHz)				
L13	Mixer (1MHz)		25090		
L14	Rec. Oscillator				
L21	RF Choke				
L22	RF Choke				
L23	RF Choke				
L24	RF Choke				
T1	Rec. Antenna (27MHz)				
T2	Rec. RF (27MHz)		1641		
T3	Rec. RF (27MHz)		1642		
T4	Rec. Mixer (4.665MHz)		25088		
T5	Rec. Mixer (4.665MHz)		25088		
T6	IF (455kHz)		0753		
T7	IF (455kHz)		0753		
T8	IF (455kHz)		0753		
T9	XMT Buffer (27MHz)				
T13	Reference Oscillator (5MHz)				

BROWNING MODEL SST-2

FILTER CHOKE

ITEM No.	RATINGS			REPLACEMENT DATA			NOTES
	CURRENT (Measured)	DC RES.	INDUCTANCE (O CURRENT 1000~)	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
L8	990mA	.158	1.26mH	5015(1)			(1) Number on unit.

TRANSFORMER (Audio Output)

ITEM No.	IMPEDANCE		REPLACEMENT DATA			NOTES
	PRI.	SEC.	MFGR. PART No.	THORDARSON PART No.	TRIAD PART No.	
T10	13.5	8	TA0105(1)			(1) Number on unit.

SPEAKER

ITEM No.	TYPE	REPLACEMENT DATA		NOTES
		MFGR. PART No.	QUAM PART No.	
SP1	4" X 2 1/2" PM, 8 Ohms			

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.		WORKMAN PART No.
		DEVICE	HOLDER	DEVICE	HOLDER	DEVICE	HOLDER	DEVICE
F1	2A Fast Acting			AGC2	HDJ	312002	150145	FG2-2

MICROPHONE

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

CRYSTALS

ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL	ITEM No.	CRYSTAL FREQUENCY IN MHz	MFGR. PART No.	CTS KNIGHTS PART No.	CHANNEL
X1	5.120			Ref Osc	X3	10.825		CA32W10825	Rec Osc
X2	13.175		CB75W3175	XMT Osc					

MISCELLANEOUS

ITEM No.	PART NAME	PART No.	NOTES
J1	Jack		Antenna
J2	Jack		Microphone
J3	Jack		PA
J4	Jack		Ext. Speaker
K1	Relay		Xmt (370 Ohms)
M1	Meter		S/Rf
PL1	Lamp		Meter (30mA @ 6.56V)
PL2	Lamp		Dial (35mA @ 6.15V)
S4	Switch		ANL
S5	Switch		PA/CB
S6	Switch		Power (Part of Volume Control)
S10	Switch		Channel Selector
U1	Filter		455kHz

WIRING DATA

General-use Hook-up Wire (available in 5 colors)	BELDEN No. 8523	Coiled Microphone Cable	
Shielded Hook-up Wire (spiral wrapped)	BELDEN No. 8421	3-conductor (1 shielded)	23AWG BELDEN No. 9471 (5')
(braided)	BELDEN No. 8401		BELDEN No. 8497 (6')
Speaker Cable (available in 4 colors)	BELDEN No. 8782		BELDEN No. 9472 (7-1/2')
Bonding Strap	BELDEN No. 8672		28AWG BELDEN No. 9466 (6')
AC Power Cord	(6') BELDEN No. 17106		31AWG BELDEN No. 9468 (10')
	(9') BELDEN No. 17109	4-conductor (unshielded)	23AWG BELDEN No. 8415 (6')
		5-conductor (1 shielded)	28AWG BELDEN No. 9467 (6')
			BELDEN No. 9465 (7-1/2')